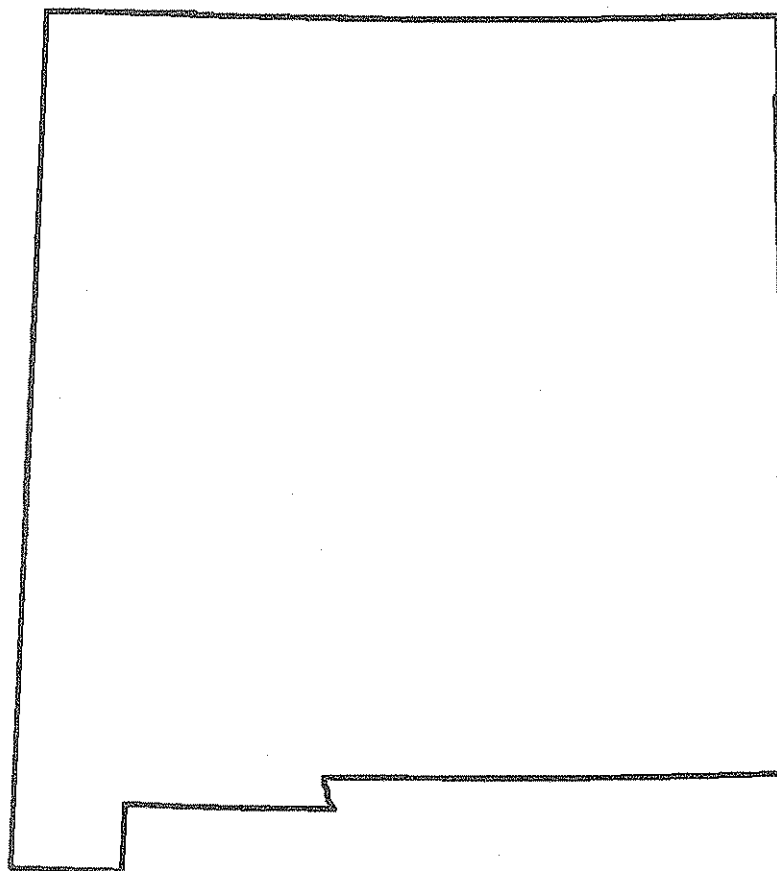


Water Resources Data New Mexico Water Year 1995



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NM-95-1
Prepared in cooperation with the State of New Mexico
and with other agencies

CALENDAR FOR WATER YEAR 1995

1994

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31
30	31																			

1995

JANUARY							FEBRUARY							MARCH						
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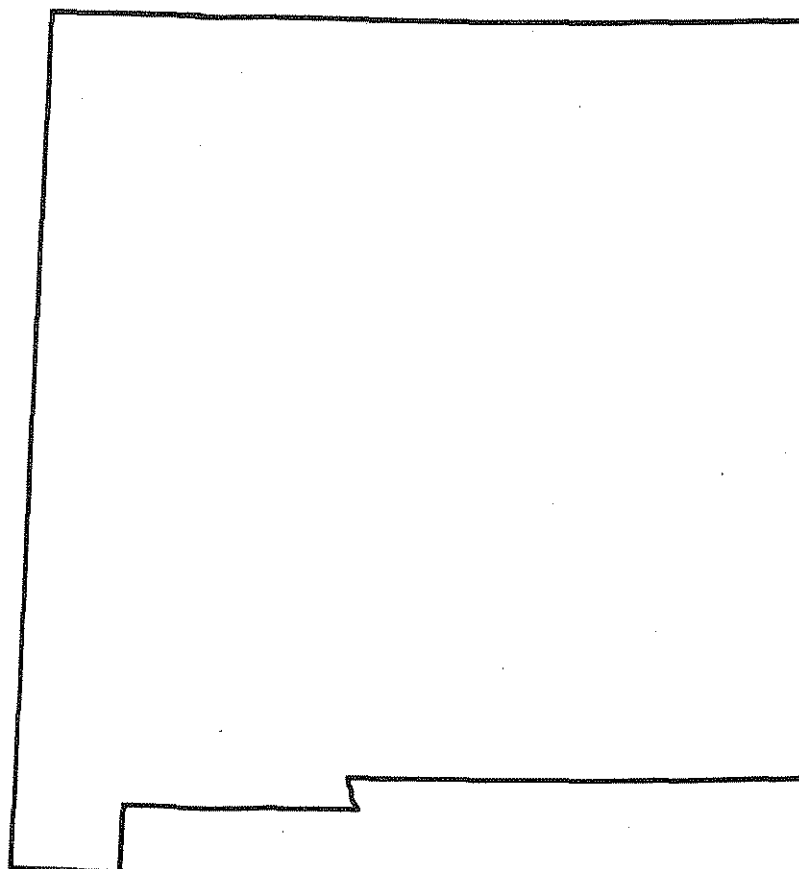
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9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
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30	31																			



Water Resources Data New Mexico Water Year 1995

by David Ortiz and K.M. Lange



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NM-95-1
Prepared in cooperation with the State of New Mexico
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, *Secretary*

U.S. GEOLOGICAL SURVEY

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Albuquerque, New Mexico 87110-3929

1996

PREFACE

This annual hydrologic data report of New Mexico is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and water quality provide the hydrologic information needed by Federal, State, and local agencies and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for New Mexico are contained in this volume.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. The authors had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines.

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This report was prepared in cooperation with the State of New Mexico and other agencies under the supervision of Russell K. Livingston, District Chief, New Mexico, and D.J. Lystrom, Acting, Regional Hydrologist, Central Region.

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[Letters after station name designate type of data: (c) chemical; (d) discharge; (e) elevation, stage, or contents; (m) microbiological; (s) sediment; (t) water temperature]

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DISCONTINUED SURFACE-WATER DISCHARGE STATIONS

The following continuous-record surface-water discharge stations (gaging stations) in New Mexico have been discontinued. Daily streamflow records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as crest-stage partial-record stations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

Station name	Station number	Drainage area (mi ²)	Period of record
ARKANSAS RIVER BASIN			
Bennett Spring near Capulin, NM	07153410		1977-81
Dry Cimarron River near Guy, NM	07153500	545	1942-73
Dry Cimarron River near Folsom, NM	07154000	895	1927-33
Canadian River near Hebron, NM	07199000	229	1946-86
Chicorica Creek below Lake Maloya, NM	07199500	26	1945-51
Chicorica Creek near Yankee, NM	07199600	32.5	1975-79, 1984-87
Vermejo River at Vermejo Park, NM	07202400	36.7	1985-93
Vermejo River near Maxwell, NM	07203525	486	1983-94
East Fork Chicorica Creek near Yankee, NM	07199650	23.9	1984-87
Chicorica Creek below East Fork near Raton, NM	07200000	71	1945-51
Chicorica Creek near Raton, NM	07200500	87	1910-14, 1984-87
Una de Gato Creek near Raton, NM	07201400	80	1910-13
Una de Gato Creek below Throttle Dam near Raton, NM	07201420	49.5	1975-83
Una de Gato Creek near Hebron, NM	07201500	224	1946-50
Chicorica Creek near Hebron, NM	07202000	381	1945-52, 1983-87
Vermejo River near Colfax, NM	07203500	--	1945-50
McEvoy Creek near Eagle Nest, NM	07206200	1.95	1961-68
Tolby Creek near Eagle Nest, NM	07206300	8.5	1961-68
Clear Creek near Ute Park, NM	07206400*	7.44	1961-68
Cimarron Creek at Ute Park, NM	07206500	260	1907-50
Rayado Creek below Abreu's Ranch, near Cimarron, NM	07209000	75	1912-13
Rayado Creek near Miami, NM	07209500	76	1939-55
Rayado Creek near Springer, NM	07210000	--	1907-09
Uracca Creek near Cimarron, NM	07210500	6.3	1912-15
East Fork Ocate Creek at Ocate, NM	07212000	35	1914-28
Ocate Creek near Ocate, NM	07212500	--	1914
Colmor intake canal near Ocate, NM	07213000	--	1933-51
Sweetwater Creek near Colmor, NM	07213500	--	1914
Canadian River near Roy, NM	07214000	4,066	1936-65
Mora River near Holman, NM	07214500	57	1953-74
Vigil Canyon near Holman, NM	07214600	2.8	1956-63
Agua Fria Creek near Holman, NM	07214700	9.2	1956-63
Rio la Casa near Cleveland, NM	07214800	23	1956-70
La Cueva Canal at La Cueva, NM	07215000	--	1906-11
Cebolla River near Golondrinas, NM	07215600	64	1956-63
Mora River at Weber, NM	07216000	--	1903-04
Coyote Creek below Black Lake, NM	07217000	48	1952-63

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Period of record
ARKANSAS RIVER BASIN -- Continued			
Coyote Creek above Guadalupita, NM	07217100	71	1956-74
Coyote Creek at Guadalupita, NM	07217500	90	1920-23
Mora River near Watrous, NM	07218100	521	1956-63, 1956-73
Sapello River at Sapello, NM	07218500	--	1903-04
Sapello canal at Sapello, NM	07218600	--	1956-70
Manuelitas Creek near Rociada, NM	07218700	52	1956-63
Sapello River at Sapello, NM	07220000	132	1915-21
Lake Isabel feeder canal near Sapello, NM	07220100	--	1956-75
Sapello River at Los Alamos, NM	07220500	144	1905-11
Sapello River near Watrous, NM	07220600	213	1956-63
Canadian River near Bell Ranch, NM	07222000	6,200	1915-17, 1927-39
Bell Ranch Canal near Conchas Dam, NM	07223000	--	1942-84
Canchos Canal below Conchas Dam, NM	07223300	--	1961-82, 1984-92
Canadian River below Conchas Dam, NM	07224500	7,417	1936-38, 1942-72
Pajarito Creek near Hanley, NM	07225100	310	1911-12
Pajarito Creek near Vigil Creek, near Hanley, NM	07225200	350	1912-13
Ute Creek near Bueyeros, NM	07226000	620	1949-54
Canadian River above New Mexico-Texas State line	07227140	12,616	1969-73
Tramperos Creek near Stead, NM	07227200*	556	1966-73
BRAZOS RIVER BASIN			
Running Water Draw near Clovis, NM	08080600*	109	1956-64
RIO GRANDE BASIN			
Latir Creek Outflow Lake #9 near Amalia, NM	08254400		1987-88
Latir Creek Outflow Lake #2 near Amalia, NM	08254425		1986-88
Costilla Creek near Amalia, NM	08254500	152	1949-59, 1961-81
Ute Creek near Amalia, NM	08255000	12	1949-59
Acequia Madre at Costilla, NM	08256000	--	1944-92
Mesa ditch near Garcia, CO	08256500	--	1944-65, 1969-83
Middle ditch at Garcia, CO	08257000	--	1944-56
Cerro Canal at Costilla, NM	08258000	--	1944-92
Association ditch at Costilla, NM	08258500	--	1955-71
Cerro Canal below Association Ditch at Costilla, NM	08258600	--	1972-92
Cerro Canal near Jaroso, CO	08259000	--	1944-72
Cerro Canal at State line near Jaroso, CO	08259600	--	1973-92
Penasquito ditch at Costilla, NM	08260000	--	1955-61
Costilla Creek below diversion dam, at Costilla, NM	08260500	197	1952-86
Alire ditch at Garcia, CO	08261500	--	1944-59
Costilla Creek near Jaroso, CO (near Mouth, NM)	08262500	290	1912-13, 1948-61
Latir Creek near Cerro, NM	08263000	10	1937-70

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Red River near Red River, NM	08264000	19.1	1940-64
Red River below Zwergle Damsite, near Red River, NM	08264500	25.7	1963-73
Red River below Questa, NM	08266500	180	1910-22
Red River at mouth, near Questa, NM	08267000	190	1950-78
Rio Hondo at Valdez, NM	08268000	38	1916-34
Rio Hondo at Damsite at Valdez, NM	08268200	40.3	1963-66
Arroyo Hondo at Arroyo Hondo, NM	08268500	65.6	1912-28, 1932-85
Acequia Madre at Taos, NM	08269500	--	1940-41
North channel of Rio Pueblo de Taos at Taos, NM	08270000	80	1936-41
Rio Pueblo de Taos at Taos, NM	08270500	80	1936-41
Tenorio ditch near Arroyo Seco, NM	08271500	--	1935-50
Rio Lucero diversions near Arroyo Seco, NM	08272000	--	1932-33
Indian ditch near Arroyo Seco, NM	08272500	--	1934-50
Seco ditch near Arroyo Seco, NM	08273000	--	1934-50
Juan Manuel ditch near Arroyo Seco, NM	08273500	--	1935-50
Prado ditch near Arroyo Seco, NM	08274000	--	1934-50
Rio Lucero below diversions, near Arroyo Seco, NM	08274500	25	1934-41
Rio Fernando de Taos near Taos, NM	08275000	71.7	1912-17, 1927-28, 1962-80
Rio Pueblo de Taos near Ranchito, NM	08275300	199	1957-80
Rio Chiquito near Talpa, NM	08275600	37.0	1957-80
Rio Pueblo de Taos at Los Cordovas, NM	08276000	359	1910-65
Carson Reservoir near Carson, NM	08277000	190	1940-60
Picuris ditch near Penasco, NM	08277500	--	1936-41
Pueblo Creek near Penasco, NM	08278000	--	1936-41
Alcalde ditch at Chamita, NM	08280000	--	1936-41
San Rafael ditch at Alcalde, NM	08280500	--	1936-41
Acequia Madre at Alcalde, NM	08281000	--	1936-41
Rio Grande above San Juan Pueblo, NM	08281100	10,530	1963-87
Rio Chama near Chama, NM	08281500	--	1912-16
Rio Brazos near Brazos, NM	08282000	--	1913-17
Chavez Creek near Brazos, NM	08282500	--	1914-15
Rio Brazos at Brazos, NM	08283000	--	1912-13
Rio Chama at Park View, NM	08283500	405	1912-15, 1916, 1924-55
Rito de Tierra Amarilla at Tierra Amarilla, NM	08284000	49.7	1914-15
Willow Creek near Park View, NM	08284500	193	1936-71
Rio Nutrias near Cebolla, NM	08286000	--	1914-15
Canjilon Creek near Canjilon, NM	08286600	--	1911-12, 1913
Rio Chama at Abiquiu, NM	08287100	--	1895-97
Rio Chama near Abiquiu, NM	08287500	2,284	1941-67
El Rito Creek near El Rito, NM	08288000	50.5	1931-51

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Rio Vallecitos at Vallecitos, NM	08288500	--	1911-14
Santa Clara ditch near Espanola, NM	08290500	--	1936-41
Santa Cruz River at Riverside, NM	08291500	188	1942-51
Santa Clara Creek near Espanola, NM	08292000	34.5	1936-41, 1949-50, 1984-94
Hill Acequia at head, near Espanola, NM	08292500	--	1940-41
Hill Acequia near Espanola, NM	08293000	--	1940
Guachupangue ditch near Espanola, NM	08293500	--	1936-41
San Ildefonso ditch near Espanola, NM	08294000	--	1940-41
Rio Nambe at Nambe Falls, NM	08294300	25.1	1963-78
Nambe Canal near Nambe, NM	08294500	--	1932-51
Rio Nambe near Nambe, NM	08295000*	38.2	1932-51
Rio En Medio near Santa Fe, NM	08295200	.63	1963-73
Llano Frio ditch near Nambe, NM	08295500	--	1936-50
Llano ditch near Nambe, NM	08296000	--	1936-50
Mioses Pena ditch near Nambe, NM	08296500	--	1936-38
Mocha ditch at Nambe, NM	08297000	--	1936-50
Comunidad ditch at Nambe, NM	08297500	--	1936-50
Ortiz ditch at Nambe, NM	08298000	--	1936-50
Canyon ditch near Nambe, NM	08298500	--	1936-50
Acequia Rincon near Nambe, NM	08299000	--	1936-50
Las Joyas ditch near Nambe, NM	08299500	--	1936-50
Trujillo ditch near Nambe, NM	08300000	--	1936-45
Barranco Alto ditch near Nambe, NM	08300500	--	1936-50
Pojoaque River at Pojoaque Bridge, near Nambe, NM	08301000	--	1936-41
Jacona ditch near Nambe, NM	08301500	--	1936-39
Jacona ditch near San Ildefonso, NM	08302000	--	1940-48
North Fork Tesuque Creek near Santa Fe, NM	08302200	1.60	1962-73
Middle Fork Tesuque Creek near Santa Fe, NM	08302300	.43	1961-73
South Fork Tesuque Creek near Santa Fe, NM	08302400	.47	1962-73
Tesuque Creek above diversions near Santa Fe, NM	08302500	11.7	1936-52
Cajon Grande ditch near Santa Fe, NM	08303000	--	1936-41
De La Cruz ditch near Santa Fe, NM	08303500	--	1936-41
Acequia Madre near Santa Fe, NM	08304000	--	1936-41
Acequia Madre at head, near Santa Fe, NM	08304050	--	1936-41
Little Tesuque Creek near Santa Fe, NM	08304100	.64	1962-73
Little Tesuque Creek tributary No. 4 near Santa Fe, NM	08304200	.69	1964-73
Little Tesuque Creek tributary No. 3 near Santa Fe, NM	08304300	.65	1963-73
Little Tesuque Creek tributary No. 2 near Santa Fe, NM	08304400	.45	1962-73
Little Tesuque Creek near Santa Fe, NM	08305000	7.06	1936-41
Rio Tesuque at Tesuque, near Santa Fe, NM	08305500	--	1938-41
Acequia Medio near Santa Fe, NM	08306000	--	1936-46
Acequia Medio at waste, near Santa Fe, NM	08306500	--	1936-38

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

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Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Hubbard ditch near Santa Fe, NM	08307500	--	1938-41
Mitchell ditch near Santa Fe, NM	08308000	--	1936-51
Post ditch near Tesuque Pueblo, NM	08308500	--	1936-41
Qwiyo ditch near Tesuque Pueblo, NM	08309000	--	1936-41
Corral ditch near Tesuque Pueblo, NM	08309500	--	1936-41
Acequia Indios near San Ildefonso, NM	08310000	--	1936-41
Acequia de la Otra Banda near San Ildefonso, NM	08310500	--	1936-41
El Rancho ditch near San Ildefonso, NM	08311000	--	1936-41
San Antonio ditch near San Ildefonso, NM	08311500	--	1936-41
Well ditch at San Ildefonso, NM	08312000	--	1937, 1938-51
Ortiz ditch at San Ildefonso, NM	08312500	--	1936-41
Pojoaque River near San Ildefonso Pueblo, NM	08312600	184	1972-79
Rito de los Frijoles near Los Alamos, NM	08313300	8.9	1959-63
Rio Grande at Cochiti, NM	08314500	14,600	1924-70
Santa Fe River at Monument Rock, near Santa Fe, NM	08315000	14	1910
Galisteo Creek above Galisteo Reservoir, NM	08317850	567	1970-76
Galisteo Creek at Domingo, NM	08318000	640	1941-71
San Felipe east side acequia near Domingo, NM	08318500	--	1936-41
Rito San Antonio near Los Alamos, NM	08319500	--	1949-50
Redondo Creek near Jemez Springs, NM	08319945	12.1	1982-85
Sulfur Creek near Jemez Springs, NM	08319950	38.0	1982-85
Jemez River near Jemez Springs, NM	08320000	--	1949-50
East Fork Jemez River near Los Alamos, NM	08320500	--	1949-50
East Fork Jemez River near Jemez Springs, NM	08321000	--	1949-50
Jemez River below East Fork, near Jemez Springs, NM	08321500	173	1951-90
Rio Las Vacas near Cuba, NM	08322000	--	1939-41
Rio Cebolla near Jemez Springs, NM	08322500	--	1939
Rio Guadalupe near Jemez Springs, NM	08323500	230	1938-42, 1949-50
Jemez east side ditch near Jemez, NM	08324500	--	1936-41
Jemez west side ditch near Jemez, NM	08325000	--	1936-41
Antonio Pecos ditch near Jemez, NM	08325500	--	1936-41
San Ysidro ditch near San Ysidro, NM	08326000	--	1936-41
Jemez River at San Ysidro, NM	08326500	854	1937-41
Zia ditch near San Ysidro, NM	08327000	--	1936-41
Zia Reservoir near San Ysidro, NM	08327500	2.4	1954-60
Jemez River above Jemez Canyon Dam, NM	08328000	961	1953-58
Piedra Lisa Arroyo near Bernalillo, NM	08329100	4.1	1955-74
Rio Grande near Bernalillo, NM	08329500	17,300	1941-69
Grant Line Arroyo at Albuquerque, NM	08329865	0.052	1987-91
Tijeras Arroyo at Albuquerque, NM	08330500*	75.3	1921-22, 1943-49
Tijeras Arroyo above Four Hills Bridge at Albuquerque, NM	08330505	77.0	1989-91

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Tijeras Arroyo at Kirtland Air Force Base, NM	08330560	80.6	1987-88
Tijeras Arroyo below South Diversion Channel Inlet near Albuquerque, NM	08330800	--	1974-88
Rio Grande near Isleta, NM	08331000	17,900	1925-29, 1936-38
North Pajarito Arroyo at Albuquerque, NM	08331130	.58	1979-87
North Pajarito Arroyo at Albuquerque, NM	08331140	.81	1979-83
Rio Grande near Belen, NM	08331500	18,230	1941-57
Rio Grande near Bernardo, NM	08332000	19,230	1936-39, 1941-64
Lower San Juan Riverside drain near Bernardo, NM	08332030	--	1954-75
La Jara Creek near La Jara, NM	08332500	--	1932-33
Rio Puerco near Cabezon, NM	08333000	360	1943-51
Rio Puerco at Cabezon, NM	08333500	397	1944-51
Papers Wash near Star Lake Trading Post, NM	08334300	20.3	1978-82
Arroyo Chico near Guadalupe, NM	08340500	1,390	1943-86
Rio Puerco near Guadalupe, NM	08341000	1,860	1943
Bluewater Creek near Bluewater, NM	08342000	209	1912-19, 1927-72
Rio San Jose at Grants	08343000	1,020	1949-66, 1968-94
San Mateo Creek near San Mateo, NM	08342600	75.6	1977-82
Arroyo del Puerto near San Mateo, NM	08342700	96.8	1980-82
McCartys south side ditch near San Fidel, NM	08344000	--	1940-42, 1950-51
McCartys north side ditch near San Fidel, NM	08344500	--	1940-42, 1950-51
Acomita Reservoir outlet near San Fidel, NM	08345000	--	1938-41
Rio San Jose near San Fidel, NM	08345500	2,310	1936-42, 1950-51
Seama-Paraje ditch near Casa Blanca, NM	08346000	--	1937-41
Casa Blanca ditch at Casa Blanca, NM	08346500	--	1937-41
New Laguna ditch wasteway near Casa Blanca, NM	08347000	--	1937-41
New Laguna ditch near New Laguna, NM	08347500	--	1937-41
Rio San Jose near Casa Blanca, NM	08348000	--	1936-41
Encinal Creek near Casa Blanca, NM	08348500*	6.19	1937-39
Laguna ditch at New Laguna, NM	08349000	--	1936-41
Paguate Creek near Laguna, NM	08349500	--	1937-41
Rio Paguate below Jackpile Mine near Laguna, NM	08349800	107	1976-93
Paguate Reservoir outlet near Laguna, NM	08350000	--	1940-41
Rio San Jose near Laguna, NM	08350500	3,040	1937-41, 1973-76
Mesita ditch near Laguna, NM	08351000	--	1936-41
Rio San Jose at Correo, NM	08351500	3,660	1943-94
Rio Puerco at Rio Puerco, NM	08352500	6,590	1909-12, 1934-76
Alamo Creek near Alamo, NM	08353130	22.4	1983-85
Rio Salado near Alamo, NM	08353150	540	1983-85

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Rio Salado near San Acacia, NM	08354000	1,380	1947-84
Rio Grande at San Acacia, NM	08355000	26,770	1936-64
Nogal Arroyo Floodway near Socorro, NM	08355200	--	1969-77
Arroyo de la Matanza near Socorro, NM	08355300	46.0	1969-77
Rio Grande at San Antonio, NM	08355500	27,400	1951-57
Socorro Main Canal South near San Antonio, NM	08356000	--	1937-38, 1948-71
San Antonio Riverside Drain near San Antonio, NM	08356500	--	1948-71
Elmendorf Interior Drain near San Antonio, NM	08357000	--	1936-38, 1948-71
San Antonio Riverside Drain near San Marcial, NM	08357500	--	1948-71
Rio Grande Conveyance Channel below heading, near San Marcial, NM	08358000	--	1953-57
Rio Grande at San Marcial, NM	08358500	27,700	1895-1964
Milligan Gulch near San Marcial, NM	08358550	413	1968-78
Rio Grande Conveyance Channel at mouth of Nogal Canyon, near Truth or Consequences, NM	08359000	--	1953-57
Rio Grande at the narrows, in Elephant Butte Reservoir, NM	08359500	28,500	1951-57
Alamosa Creek near Monticello, NM	08360000*	403	1931-42
Las Cruces Arroyo near Las Cruces, NM	08363600	13.5	1958-66
Tortugas Arroyo near Las Cruces, NM	08363700	20.7	1962-74
Rio Grande at Vinton Bridge near Anthony, TX	08363840	28,680	1970-74
Pecos River near Cowles, NM	08378000	189	1910-19
Pecos River near San Jose, NM	08379000	539	1939-40
Tecolote Creek below Wright Canyon near El Porvenir, NM	08379187	5.42	1987-92
Tecolote Creek near San Pablo, NM	08379200	83	1960-65
South Fork Gallinas Creek near El Porvenir, NM	08380000	25	1911-20
Gallinas Creek at Montezuma, NM	08381000	87	1903, 1904-66
Storrie feeder canal near Las Vegas, NM	08381500	--	1949-52
Gallinas River near Lourdes, NM	08382000	313	1951-63
Pecos River near Colonias, NM	08382700	2,340	1970-74
Los Esteros Creek Tributary above Santa Rosa Lake, NM	08382760	13.7	1973-90
Pecos River above Los Esteros Dam Site, near Santa Rosa, NM	08382800	2,430	1965-77
Pecos River at Santa Rosa, NM	08383000	2,650	1928-92
Pecos River near Fort Sumner, NM	08385500	5,300	1904-10, 1912-13, 1921-23
Pecos River below Fort Sumner, NM	08385520	5,600	1957-58, 1962-70
Pecos River below Yeso Arroyo, near Fort Sumner, NM	08385620	7,000	1965-68
Pecos River above Huggins Creek, near Roswell, NM	08385640	7,800	1965-68
F. Herrera ditch S. at Hollywood, NM	08386900		1973-84
Rio Ruidoso near Glencoe, NM	08387500	--	1910-11
Eagle Creek near Alto, NM	08387800	15.7	1969-80
Rio Ruidoso at Hondo, NM	08388000	290	1930-55

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Period of record
RIO GRANDE BASIN -- Continued			
Rio Bonito at Angus, NM	08388500	45.5	1930-31
Rio Bonito at Hondo, NM	08389500	295	1930-55
Rio Hondo at Hondo, NM	08390000	--	1930-31
Rio Hondo at Picacho, NM	08390100	715	1908-9, 1956-62
Rio Hondo at Hondo Reservoir site, near Roswell, NM	08392500	970	1903-5
Rio Hondo below reservoir outlet, near Roswell, NM	08393000	--	1908
Taylor-Moore ditch near Roswell, NM	08393100	--	1905
Rocky Arroyo above Two Rivers Reservoir near Roswell, NM	08393200	31	1963-80
Rocky Arroyo below Rocky Dam, near Roswell, NM	08393300	65	1963-80
Rio Hondo at Roswell, NM	08393500	--	1903-6
North Spring River at Roswell, NM	08393600	19.5	1958-77
Pecos River near Roswell, NM	08394000	--	1903-6
Pecos River near Hagerman, NM	08394100	13,360	1968-90
Rio Felix at old highway bridge near Hagerman, NM	08394500	932	1939-87
Rio Felix near Hagerman, NM	08395000	934	1932-39
Cottonwood Creek near Lake Arthur, NM	08396000	199	1932-65
Rio Penasco at Elk, NM	08397450	--	1910-11
Rio Penasco near Elk, NM	08397500	--	1911
Rio Penasco near Dunken, NM	08397600*	583	1956-62
Pecos River below McMillan Dam, NM	08401000	16,990	1906-09, 1910-11, 1939-40, 1946-88
Pecos River above Seven Rivers near Lakewood, NM	08401100	17,000	1974-87
Pecos River below Avalon Dam, NM	08404500	--	1940
Pecos River at Carlsbad, NM	08405000	18,100	1903-09, 1907-08, 1914-15, 1920-69
Rattlesnake Springs near White City, NM	08405300	--	1961-62
Black River at Malaga, NM	08406000	360	1939-40
MIMBRES RIVER BASIN			
Mimbres River at McKnight Dam Site, near Mimbres, NM	08476300	97.3	1963-72
Bear Canyon near Mimbres, NM	08476500	14.5	1937-55
Mimbres River near Mimbres, NM	08477000	152	1921-76
Mimbres River near Faywood, NM	08477500	440	1909-11, 1912-14, 1916-17, 1920-21, 1927-55, 1963-68
Mimbres River near Spalding, NM	08477530	472	1963-68
San Vicente Arroyo at Silver City, NM	08477600	26.5	1953-65
Rio de Arena near Hurley, NM	08477700	16	1913-14
Stevens Creek near Fort Bayard, NM	08478004	--	1907-12, 1912-14
Cameron Creek at Fort Bayard, NM	08478008	--	1911-13
Cameron Creek near Hurley, NM	08478012	46	1913-14

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

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Station name	Station number	Drainage area (mi ²)	Period of record
MIMBRES RIVER BASIN -- Continued			
Whitewater Creek at Hurley, NM	08478016	35	1913-14
Wamel Canal at head, near Deming, NM	08478300	--	1963-68
Mimbres River below Wamel heading near Deming, NM	08478400	1,101	1963-68
TULAROSA VALLEY			
Three Rivers near Three Rivers, NM	08480600	6.9	1956-58
Indian Creek near Three Rivers, NM	08480700*	6.8	1956-58
Indian Creek flume near Three Rivers, NM	08480800	--	1956-58
Indian Creek at Mouth, near Three Rivers, NM	08480900	10.9	1956-58
Rio Tularosa at Mescalero, NM	08481300	--	1910-11
Rio Tularosa near Tularosa, NM	08482000	--	1938-47
Rio La Luz near La Luz, NM	08483000	30	1911-12
Rio Fresnoal near Mountain Park, NM	08484000	44	1911-12
Rio La Luz at La Luz, NM	08484500	74	1910-13
Alamogordo-La Luz ditch at La Luz, NM	08485000	--	1934-49
Alamo Creek at Woods Ranch, near Alamogordo, NM	08485500	--	1931-37
Alamogordo water supply near Alamogordo, NM	08486000	--	1932-51
Tularosa Valley tributary near White Sands, NM	08486250	17.2	1965-74
Tularosa Valley tributary at White Sands, NM	08486260	21.0	1965-74
SALT BASIN			
Sacramento River near Sunspot, NM	08492900	12.8	1984-89
San Juan River at Rosa, NM	09350500	1,990	1895-99, 1910-65
Los Pinos River at Ignacio, CO	09354000		1910-61
Martinez ditch near Archuleta, NM	09355200	--	1955-57
Citizens ditch near Turley, NM	09356000	--	1938, 1951-58
San Juan River near Blanco, NM	09356500	3,560	1907-09, 1910, 1927-55
Canon Largo near Blanco, NM	09356565	1,700	1977-81
San Juan River at Bloomfield, NM	09357000	5,410	1909, 1910-11, 1927-31, 1955-63
San Juan River at Hammond Bridge near Bloomfield, NM	09357100	5,540	1978-81
Gallegos Canyon near Farmington, NM	09357250	290	1978-81
Animas River at Aztec, NM	09364000	1,270	1904, 1907-15
Shumway Arroyo near Fruitland, NM	09367555	62.8	1975-82
Chaco Wash near Star Lake Trading Post, NM	09367660	59.0	1978-82
Chaco Wash at East Boundary at Chaco Canyon National Monument, NM	09367676	364	1980-82
Fajada Wash at Chaco Canyon National Monument, NM	09367678	199	1980-83
Gallo Wash at Chaco National Monument, NM	09367682	36.2	1978-81
Chaco Wash near Pueblo Bonito at bridge at Chaco Canyon National Monument, NM	09367683	619	1980-83
Ah-shi-sle-pah Wash near Kimbeto, NM	09367685	8.2	1977-84
Kim-me-ni-oli Wash near Crownpoint, NM	09367687	228	1982-83

DISCONTINUED SURFACE-WATER DISCHARGE STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Period of record
SALT BASIN -- Continued			
Kim-me-ni-oli Wash near Lake Valley, NM	09367689	400	1982-83
De-na-zin Wash near Bisti Trading Post, NM	09367710	184	1975-82
Black Springs Wash near Mexican Springs, NM	09367900*	7.55	1979-82
Hunter Wash at Bisti Trading Post, NM	09367930*	45.6	1975-82
Teec-ni-di-tso Wash near Burnham Trading Post, NM	09367934	7.2	1978-82
Burnham Wash near Burnham, NM	09367936	8.6	1978-82
Chaco River near Burnham, NM	09367938	3,640	1978-82
Chaco River near Waterflow, NM	09367950	4,350	1975-94
LITTLE COLORADO RIVER BASIN			
Largo Creek near Mangas, NM	09386050	63	1959-66
Zuni River at Black Rock, NM	09387000	828	1910-30
Zuni River at New Mexico-Arizona State line	09387300	1,314	1985-87, 1987-89, 1990-94
Puerco River near Church Rock, NM	09395350	193	1978-82, 1989-91
Puerco River at Gallup, NM	09395500*	558	1940-46, 1977-82
Puerco River near Manuelito, NM	09395630	990	1989-93
Whitewater Arroyo near Cheechilgeetho, NM	09395700	78.5	1964-67
GILA RIVER BASIN			
Gila River near Silver City, NM	09430000	1,600	1912-19
Sapello Creek below Lake Roberts, near Silver City, NM	09430150	78	1964-71
Gila River near Cliff, NM	09431000	2,435	1942-51
Trout Creek near Luna, NM	09442653	27.1	1968-86
San Francisco River near Alma, NM	09443000	1,546	1904-07, 1909-10, 1912-14, 1964-86
Whitewater Creek near Mogollon, NM	09443500	34	1909-23

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations prior to the 1990 water year. Records of (c) chemical, (m) microbiological, (s) sediment, or (t) daily water temperature were collected and published for the record shown for each station.

An inventory of chemical data analyzed prior to 1962 can be found in U.S. Geological Survey Water-Supply Paper 1786, "Inventory of Published and Unpublished Chemical Analyses of Surface Water in the Continental United States and Puerto Rico, 1961."

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Dry Cimarron River near Guy, NM	07153500	545	c,s,t	1964-74
Canadian River near Hebron, NM	07199000	229	c	1966-81
Chicorica Creek near Yankee, NM	07199600	32.5		1975-79
Una de Gato Creek below Throttle Dam near Raton, NM	07201420	49.5	c,s	1975-84
Chicorica Creek near Hebron, NM	07202000	381	c	1975-81
Vermejo River near Dawson, NM	07203000	301	c,s	1964-84
Cimarron River below Eagle Nest Dam, NM	07206000	167	c,s	1975-84
Canadian River near Taylor Springs, NM	07211500	2,850	b,c,s	1966-75
Conchas Canal below Conchas Dam, NM	07223300	--	c	1964-77
Plaza Largo canal below Barranca Creek near Tucumcari, NM	07227073	602	c	1965-66
Revuelto Creek below Plaza Largo Creek near Tucumcari, NM	07227080	672	c	1965-66
Canadian River near Glenrio, NM	07227125	--	c,s,t	1965-66
Rio Grande above Culebra Creek near Lobatos, CO	08249200		b,c,t	1962-69
Costilla Creek near Costilla, NM	08255500	195	c,s	1966-76
Rio Grande near Cerro, NM	08263500	8,440	c,m,s	1977; 1979-87
Rio Grande above Red River near Cerro, NM	08263510	--	c,m,s	1979-81
Red River near Red River, NM	08264000	19.1	s	1963
Red River below Zwergle Damsite near Red River, NM	08264500	28.9	c,m,s	1962-65; 1979-82
Red River at MolyCorp Mine near Red River, NM	08264970	78.3	c,m,s	1979-82
Red River near Questa, NM	08265000	113	c,m,s	1979-87
Cabresto Creek near Questa, NM	08266000	36.7	c,m,s	1979-82
Red River below Questa, NM	08266500	160	c,m,s	1979-87
Red River above State Fish Hatchery near Questa, NM	08266790	175	c,m,s	1979-87, 1994
Red River at Fish Hatchery near Questa, NM	08266800	185	c,k,s,t	1966-77
Red River below Fish Hatchery, near Questa, NM	08266820	185	c,m,s	1978-87
Red River at mouth, near Questa, NM	08267000	190	c,m,s	1966-68; 1979-85
Rio Grande above Rio Hondo at Dunn Bridge, NM	08267400	8,690	c,m,s	1979-87
Rio Hondo at Damsite at Valdez, NM	08268200	40.3	s	1962-65
Arroyo Hondo at Arroyo Hondo, NM	08268500	65.6	c,m,s	1979-82
Rio Grande del Rancho near Talpa, NM	08275500	83	s	1962-65
Rio Grande above San Juan Pueblo, NM	08281100	10,550	c,m,s	1987-88
Willow Creek above Azotea Creek near Park View, NM	08284150	42	c,s	1973
Azotea Tunnel at Outlet near Chama, NM	08284160	--	c,s	1974-75
Willow Creek above Heron Reservoir near Park View, NM	08284200	112	c,s	1973-74
Horse Lake Creek above Heron Reservoir near Los Ojos, NM	08284300	45	c,s	1973
Willow Creek near Park View, NM	08284500	193	c,s	1962-65
Rio Chama below Heron Dam, NM	08284540	--	c,s	1973-74
El Vado Reservoir near Tierra Amarilla, NM	08285000	873	c	1973

DISCONTINUED SURFACE-WATER-QUALITY STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Rio Chama Seep below El Vado Dam, NM	08285100	873	c	1973-74
Rio Chama below El Vado Dam, NM	08285500	877	c,s	1974
Rio Chama above Abiquiu Reservoir, NM	08286500	1,600	c,k,s,t	1963-85
Rio Chama below Abiquiu Dam, NM	08287000	2,147	c,k,s,t	1963-85
Rio Ojo Caliente at La Madera, NM	08289000	419	c	1976-77
Rio Grande at Santa Clara, NM	08291600		c,m,s	1987-94
Rio Nambe at Nambe Falls, near Nambe, NM	08294300	25.1	s	1962-65
Rito de los Frijoles in Bandelier National Monument, NM	08313350	18.1	b,c,m,s,t	1977-82
Rio Grande below Cochiti Dam, NM	08317400	14,900	c,s,t	1974-84; 1985-88
Galisteo Creek below Galisteo Dam, NM	08317950	597	c,k,s,t	1971-78
Galisteo Creek at Domingo, NM	08318000	640	c,s,t	1962-71
Jemez River below East Fork near Jemez Springs, NM	08321500	173	c,s	1963-67
Jemez River below Jemez Canyon Dam, NM	08329000	1,038	c,s	1966-88
Piedra Lisa Arroyo near Bernalillo, NM	08329100	4.1	c,s	1962-74
Rio Grande near Bernalillo, NM	08329500	17,300	c,s,t	1962-69
Campus Wash at Albuquerque, NM	08329700	3.80	c,m,s	1991-94
Tijeras Arroyo near Albuquerque, NM	08330600	133	c	1979
Rio Grande Conveyance Channel near Bernardo, NM	08331990	--	c,k,s,t	1962-75
Rio Grande near Bernardo, NM	08332000	19,230	c,s,t	1962-64
Bernardo Interior Drain near Bernardo, NM	08332050	--	c,s,t	1965-68
San Pablo Creek near Cuba, NM	08332700	12.8	c,s	1982
Papers Wash near Star Lake Trading Post, NM	08334300		c,m,s	1978-82
Arroyo Chico near Guadalupe, NM	08340500	1,390	c,s	1978-86
Bluewater Lake near Bluewater, NM	08341400	201	c	1966-69
Rio San Jose at Grants, NM	08343000	1,020	c,s	1980
Rio Paguete below Jackpile Mine near Luguna, NM	08349800	107	c	1977-93
Rio Salado near San Acacia, NM	08354000	1,380	c,s	1962-84
Socorro Main Canal North at San Acacia, NM	08354500	--	s	1985
Rio Grande Conveyance Channel at San Marcial, NM	08358300	--	c,m,s,t	1954-94
Rio Grande below Elephant Butte Dam, NM	08361000	29,450		1975-82
Rio Grande below Caballo Dam, NM	08362500	30,700	c	1966-68
Rio Grande at Leesburg Dam, NM	08363500		b,c,m	1975-79
Tortugas Arroyo at Las Cruces, NM	08363700	20.7	c,s	1963-74
Rio Grande at Vinton Bridge near Anthony, TX	08363840	28,680	b,c,m,s	1975-78
Rio Grande below Old Fort Quintman, TX	08370500	31,990	c,m,s	1930-93
Pecos River near Pecos, NM	08378500	189	c	1970-73
Pecos River near Anton Chico, NM	08379500	1,050	b,c,m,s	1967-77
Gallinas Creek near Montezuma, NM	08380500	84	c	1964-67
Pecos River below Sumner Dam, NM	08384500	4,390	b,c,m,s,t	1962-66; 1972-87
Rio Hondo at Diamond A Ranch near Roswell, NM	08390500	947	c,s	1962
Hagerman Canal at Dexter, NM	08393800	--	c	1964-67
Rio Penasco at Dayton, NM	08398500	1,060	s	1962-72
Pecos River (Kaiser Channel) near Lakewood, NM	08399500		c	1968-70; 1978-79

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Lake McMillan near Lakewood, NM	08400500	16,990	c	1962-67; 1978-79
Pecos River below McMillan Dam, NM	08401000	16,990	c	1962-66; 1978-79
Pecos River at Ford Crossing above Major Johnson Springs, NM	08401300	16,990	c	1962-67
Pecos River at Damsite 3 near Carlsbad, NM	08402000	17,980	c,t	1962-67
Pecos River at Carlsbad, NM	08405000	18,100	c,k,t	1962-87
Pecos River below Sixmile Dam near Carlsbad, NM	08405260	18,650	b,c,m,s	1975-77
Black River at Harkey Crossing near Malaga, NM	08405400	343	c	1947-66
Pecos River below Red Bluff Dam, near Orla, TX	08410100		c,t	1962-63
Mimbres River at McKnight Damsite near Mimbres, NM	08476300	97.3	c,s	1967-72
Mimbres River at Mimbres, NM	08477110	184	b,c,m,s	1978-86
Rio Blanco near Pagosa Springs, CO	09343000	58	s	1962-65
Rio Blanco at U.S. Highway 84 near Pagosa Springs, NM	09343400	--	c,s	1972-74
Navajo River above Chromo, CO	09344300	96.4	s	1962-65
Navajo River below Oso Diverson Dam near Chromo, CO	09344450	--	c,s	1972-75
Navajo River at Edith, CO	09346000	172	b,c,s	1969-74
San Juan River near Carracas, CO	09346400	1,230	b,c,s	1969-73
Piedra River near Arboles, CO	09349800	629	b,c,s	1969-73
Los Pinos River at La Boca, CO	09354500	510	b,c,s	1969-73
Canon Largo near Blanco, NM	09356565	1,700	c,m,s	1978-81
San Juan River at Bloomfield, NM	09357000	5,410	s,t	1962-64
San Juan River at Hammond Bridge near Bloomfield, NM	09357100	5,540	b,c,m,s	1978-81
Gallegos Canyon near Farmington, NM	09357250	290	c,m,s	1978-81
San Juan River above Animas River at Farmington, NM	09357300	5,800	c	1966-79
San Juan River at Farmington, NM	09365000	7,240	c,s,t	1962-82
La Plata River at Colorado-New Mexico State line	09366500	331	b,c,m,s	1970-73
La Plata River near Farmington, NM	09367500	583	c,s	1970-73, 1978-81
Shumway Arroyo near Fruitland, NM	09367555	62.8	b,c,m,s	1976; 1978-82
Shumway Arroyo near Waterflow, NM	09367561	73.8	b,c,m,s	1974-84; 1986
Chaco Wash near Star Lake Trading Post, NM	09367660	59	c,s	1978-82
Chaco Wash at East Boundary at Chaco Canyon National Monument, NM	09367676	364	c,s	1981-82
Fajada Wash at Chaco Canyon National Monument, NM	09367678	199	c,s	1981-84
Chaco Wash at Chaco Canyon National Monument, NM	09367680	578	c,s	1976-84
Gallo Wash at Chaco Canyon National Monument, NM	09367682	36.2	c,s	1979
Chaco Wash near PB at bridge at Chaco Canyon National Monument, NM	09367683	619	c,s	1981-84
Ah-shi-sle-pah Wash near Kimbeto, NM	09367685	8.21	c,s	1977-83
Kim-me-ni-oli Wash near Crownpoint, NM	09367687	228	b,c,s	1981-83
Kim-me-ni-oli Wash near Lake Valley, NM	09367689	400	b,c,s	1981-83
De-na-zin Wash near Bisti Trading Post, NM	09367710	184	c,s	1975-82
Black Springs Wash near Mexican Springs, NM	09367900	7.05	c,s	1981-82
Hunter Wash at Bisti Trading Post, NM	09367930	45.6	c,s	1975-82

DISCONTINUED SURFACE-WATER-QUALITY STATIONS -- Continued

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record
Teec-ni-di-tso Wash near Burnham, NM	09367934	7.2	c,m,s,t	1978-82
Burnham Wash near Burnham, NM	09367936	8.6	c,m,s,t	1978-82
Chaco River near Burnham, NM	09367938	3,640	c,m,s,t	1978-82
Chaco River near Waterflow, NM	09367950	4,350	c,s	1976-89
San Juan River near Bluff, UT	09379500	23,000	c,s,t	1962-68
Puerco River near Church Rock, NM	09395350	193	c,s	1979
Foster Canyon near Continental Divide, NM	09395381	16.8	c	1988
Puerco River at Gallup, NM	09395500	558	c,k,s,t	1975-77; 1979-84
Puerco River near Manuelito, NM	09395630	990	c,s	1989-93
Gila River near Gila, NM	09430500	1,864	c,s,t	1963-67
Mangas Creek below Mangas Springs, NM	09431100		c,m,s	1970-86
Sunset Canal above New Mexico-Arizona State line	09433500	--	b,c,s	1969-72
New Model Canal above New Mexico-Arizona State line	09436500	--	b,c,s	1969-72
Gila River at New Mexico-Arizona State line	09438000	3,349	b,c,s	1968-73
San Francisco River near Glenwood, NM	09444000	1,653	b,c,s	1963-85
San Francisco River at Clifton, AZ	09445000	2,766	s	1963-67
Dry Beaver Creek near Rimrock, AZ	09505350	139	s	1964-65

WATER-RESOURCES DATA FOR NEW MEXICO, WATER YEAR 1995

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with Federal, State, and local agencies, obtains a large quantity of data pertaining to the water resources of New Mexico each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - New Mexico."

Water-resources data for the current year for New Mexico consist of records of discharge and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains discharge records for 194 gaging stations and contents for 26 lakes and reservoirs; water quality for 53 gaging stations, 112 wells, and 84 partial-record stations and miscellaneous sites, and water levels at 128 observation wells. Also included are 106 crest-stage, partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating Federal, State, and local agencies in New Mexico.

Data on stream discharge and stage, and on lake or reservoir contents and stage were first published in a series of U.S. Geological Survey Water-Supply Papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these Water-Supply Papers were in an annual series, then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperature, and suspended sediment were published from 1941 to 1970 in an annual series of Water-Supply Papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of Water-Supply Papers entitled "Ground-Water Levels in the United States." Water-Supply Papers generally are available in the libraries of the principal cities of the United States or may be purchased from U.S. Geological Survey, Books and Open-File Reports, Federal Center, Box 25425, Denver, Colorado 80225.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports for each State. Water-quality records for water years 1964 through 1974 were similarly released in separate reports. Beginning with water year 1975, data for streamflow, water quality, and groundwater were combined in reports published annually for each State. These reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NM-93-1." These Water-Data Reports are for sale by the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22162.

COOPERATION

The U.S. Geological Survey and State and local agencies have had joint-funding agreements for the collection of streamflow records since 1930 and for water-quality records since 1940. Organizations that assisted in collecting the data in this report through joint-funding agreements with the Survey are:

New Mexico State Engineer Office, T.C. Turney, State Engineer.

New Mexico Interstate Stream Commission, T.C. Turney, Secretary.

Pecos River Commission, Hector Villa III, Federal representative and Chairman;
Colin R. McMillan, Commissioner for New Mexico;
Brad Newton, Commissioner for Texas.

New Mexico State Highway and Transportation Department, Pete K. Rahn, Secretary.

Canadian River Municipal Water Authority, John C. Williams, General Manager.

Costilla Creek Compact Commission, T.C. Turney, Commissioner for New Mexico;
Hal Simpson, Commissioner for Colorado.

Albuquerque Metropolitan Arroyo Flood Control Authority, L.A. Blair, Executive Engineer.

City of Albuquerque, Martin Chavez, Mayor.

Rio San Jose Flood Control District, Alex Gonzales, Chairman.

City of Santa Rosa, Joe D. Trujillo Jr., Mayor.

City of Raton, Joe Apache, Mayor.

Village of Ruidoso, Gary M. Jackson, Manager.

Financial assistance for the collection of water-resources data published in this report was provided by the Corps of Engineers, U.S. Army, for 24 gaging stations; by the Bureau of Reclamation, U.S. Department of Interior, for 14 gaging stations; by the Bureau of Indian Affairs, U.S. Department of Interior, for 7 gaging stations; and by the Bureau of Land Management, U.S. Department of Interior, for 2 gaging stations.

Assistance in the form of services was provided by the Carlsbad Irrigation District.

Some data have been collected by contractors in accordance with U.S. Geological Survey specifications and under Geological Survey quality control. Organizations that provided data are recognized in the station description.

WATER RESOURCES DATA FOR NEW MEXICO, WATER YEAR 1995

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Perennial streams in New Mexico generally are in mountainous regions in the north-central, south-central, and southwestern parts of the State. Other perennial streams include the San Juan and Animas Rivers in northwestern New Mexico, which originate in the San Juan Mountains of southwestern Colorado. When flow is not regulated by releases from dams, several reaches of the Pecos River south of Santa Rosa have perennial flow that is maintained by relatively large spring runoff. Large discharges in perennial streams normally are the result of spring snowmelt in the mountains, which may last several months.

Ephemeral streams are present in the remainder of the State. Some of these streams, such as the Rio Puerco, have deeply incised channels, whereas others, especially those on the eastern plains, are swale without any well-defined channel. Large discharges in ephemeral streams generally are caused by intense, short-duration thunderstorms (normally occurring from mid-June to mid-October); the runoff usually lasts for only a few hours.

Water was plentiful in most areas of the State of New Mexico at the beginning of water year 1995. Precipitation totals recorded in the northern and western sections of the State were generally above normal in October. Only the southeastern part of New Mexico experienced widespread less-than-normal precipitation. The resulting streamflows reflected the precipitation patterns. Continuing into November precipitation totals remained above normal. Specifically, precipitation amounts recorded in November were an inch above normal at Albuquerque, 2.64 inches above normal at Silver City and 0.45 inch above normal at Farmington. Reservoir storage during water year 1995 remained surprisingly constant in light of changes in hydrologic conditions during the year. For example, storage of water at Heron Reservoir held near 98 percent of capacity most of the year, except for a dip to 81 percent of capacity in April. Similar trends held for Elephant Butte, Caballo, Navajo, Ute, and Santa Rosa reservoirs. By January snowpack surveys reported that conditions across New Mexico ranged from significantly below normal to significantly above normal in most mountainous areas of the State. The measured snowpack resulted in predictions, both in January and February, of above normal Spring streamflows. Though the Spring streamflows were above normal, reservoir storage did not reflect the increased streamflow trend. By March storage had actually decreased slightly from the February storage at the Elephant Butte and Caballo reservoirs (92 to 91 percent of combined capacity) and Santa Rosa reservoir (20 to 19 percent of capacity), while storage held steady at Ute reservoir (71 percent of capacity) and Conchas reservoir (90 percent of capacity). Entering April, the combination of greater-than-normal snowpack and precipitation again resulted in above normal streamflows. The same conditions continued into May. By June precipitation totals were slightly below normal in most areas of the State. In contrast, reservoir storage finally began to rise in June. The combined storage in the Elephant Butte and Caballo reservoirs increased from 94 percent of capacity to 96 percent of capacity between May and June. Below normal precipitation continued through the Summer until September when recording rain gages in most areas of the State tabulated significantly greater-than-normal precipitation. This was an aberration, for rainfall plunged to significantly-below normal after the end of water year 1995.

Reservoir storage in most areas of the State ended water year 1995 at generally higher levels than those recorded at the beginning of the water year. Specifically, the combined storage of 13 major reservoirs in the State increased by 131,000 acre-feet during water year 1995 totaling 5,223,000 acre-feet by September 30, 1994. The total combined capacity of these 13 reservoirs is 8,530,000 acre-feet.

Streamflow in New Mexico has been near normal or greater than normal since 1979. Entering water year 1995 streamflows recorded at most index streamflow sites were above normal. Two exceptions were at the index gaging stations Gila River near Gila (station 09430500) (73 percent of normal) and Delaware River near Red Bluff (station 08408500) (94 percent of normal). Streamflows appeared variable when comparing one area of the State to another during the period from October thru December. The Animas and Pecos rivers remained well above normal while the Rio Grande at the Taos Junction Bridge (station 08276500) decreased from 104 percent of normal in October to 82 percent of normal in November and then rebounded to 127 percent of normal in December. By December all index streams except one were well above normal (Rio Grande (station 08276500), 127 percent above normal; Gila River (station 09430500), 989 percent above normal; and the Pecos River (station 08378500), 173 percent above normal). Most streams remained at or above normal for the balance of water year 1995 with the singular exception of the Delaware River at Red Bluff (station 08408500) that consistently remained well below normal. By the end of water year 1995 the absence of significant rainfall in the State resulted in most streams recording flows slightly below normal. Only the Rio Grande at Taos Junction Bridge recorded significantly greater-than-normal streamflow (142 percent of normal) at the end of water year 1995.

Discharges for water year 1995 at four index streamflow-gaging stations compared with median annual discharge for water years 1965-94 at the same stations are listed below:

Station number	Station name	Median annual discharge in acre-ft	Annual mean discharge in acre-ft	1995 discharge as a percentage of median
		water years 1965-94	water year 1995	
08276500	Rio Grande below Taos Junction Bridge	540,900	858,500	159
08378500	Pecos River near Pecos	74,690	127,100	171
08408500	Delaware River near Red Bluff	4,690	1,660	35
09430500	Gila River near Gila	120,400	227,300	189

Surface-Water Quality

Specific conductance in water at selected streamflow-gaging stations were near normal throughout the State during the water year. Median values of specific conductance for water year 1994 at selected daily stations and median values of specific conductance for water years 1984-93 at the same stations are listed below:

Station number	Station name	Median specific conductance, in microsiemens per centimeter at 25 °Celsius		1995 median as a percentage of 1984-94 median
		water years 1984-94	water year 1995	
08313000	Rio Grande at Otowi Bridge	320	311	97
08330000	Rio Grande at Albuquerque	394	358	91
08354900	Rio Grande FW at San Acacia	593	514	87
08358400	Rio Grande FW at San Marcial	530	497	94

WATER RESOURCES DATA FOR NEW MEXICO, WATER YEAR 1995

Suspended-sediment loads for water year 1995 at three index stations and median suspended-sediment loads for water years 1984-94 at the same stations are listed below:

Station number	Station name	Median suspended-sediment load, in tons		1995 load as a percentage of 1984-94 median
		water years 1984-94	water year 1995	
08313000	Rio Grande at Otowi	1,445,400	9,549,986	660
08330000	Rio Grande at Albuquerque	397,850	2,227,562	559
08358400	Rio Grande Floodway at San Marcial	2,273,950	5,362,178	235

Ground-Water Levels

Ground-water levels are measured periodically in a network of about 6,000 observation wells in order to record changes in ground-water storage. Water levels in about 1,200 wells are measured annually and the remaining 4,800 wells are scheduled for measurement at 5-year intervals, so that wells in different areas are measured each year (fig. 1). The areas of water-level measurements are in eight of the nine major surface-water drainage basins; most are in areas where ground water is used in large quantities for irrigation, municipal, or industrial purposes. Twenty-one selected wells in various parts of the State are equipped with continuous water-level recorders.

Hydrographs of water levels in wells (fig. 2) in the four quadrants of the State illustrate the water-level trends for the last 20 years. A decrease in ground-water withdrawals for agriculture and mining operations may be responsible for the general rise in water levels in the well in Cibola County since 1979. The decrease in the water level in the Cibola County well since last year may be a result of recent withdrawals for industrial use. The wells in Luna, Union, and Chaves Counties are in areas of intensive irrigation. The water level in the Luna County well (Mimbres Valley) decreased from water year 1991, but continued to be higher than average for the past 20 years. The water level in the well in Union County continued to decline, which is typical of wells on the High Plains of northeastern New Mexico. The water level in the recorder well in Chaves County has yearly fluctuations that are typical of water levels in wells in the Roswell artesian basin. The water levels in the vicinity of this well have also risen since the mid-1970's, probably resulting from both a decrease in withdrawals for irrigation and an increase in recharge to the aquifer.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network includes 57 sites in small drainage basins around the country whose purpose is to provide hydrologic and water-quality data for basins in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins that have been developed, and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Included in this program are stations 08377900, Rio Mora near Terrero; and 09430600, Mogollon Creek near Cliff.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 286 sites currently in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the USGS Office of Water Data Coordination in consultation with the Water Resources Council. The NASQAN program originally was designed for 525 measuring and sampling stations; however, the peak number of stations in operation nationally was 518 during 1979. Since 1979, many NASQAN stations have been discontinued because of funding limitations. The NASQAN program after the 1995 water will be redesigned to cover only about 80 critical locations within the Nation's large river basins that will provide data for ongoing water-quality evaluation including mass transfer information for water discharging from the continental United States. The objectives of NASQAN are: (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used; (2) to describe the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs; (3) to detect changes or trends with time in the pattern of occurrence of water-quality characteristics; and (4) to provide a nationally consistent data base useful for water-quality assessment and hydrologic research. Included in this network for this water year are stations 07221500, Candian River near Sanchez; 08313000, Rio Grande at Otowi Bridge, near San Ildefonso; 08358300, Rio Grande Conveyance Channel at San Marcial; 08358400, Rio Grande Floodway at San Marcial; 08364000, and Rio Grande at El Paso, TX; 08370500.

National Water-Quality Assessment Program (NAWQA) is a nationwide program that began full-scale implementation by the U.S. Geological Survey in 1991. The long term goals of the NAWQA program are to describe the status and trends in the quality of a large, representative part of the Nation's surface-water, and ground-water resources and to provide a sound, scientific understanding of the primary natural and human factors affecting the quality of these resources. The principle building blocks of the NAWQA program are the study-unit investigations on which national-level assessments are based. Study unit-investigations are comprehensive and include information on water, sediment, biota, and aquatic and terrestrial habitats within its boundaries. Of the 60 study unit-investigations that comprise the NAWQA program a major part of one, the Rio Grande Valley NAWQA, is located in New Mexico. Water-quality data collected at selected surface-water monitoring sites of the Rio Grande Valley NAWQA are published in this report.

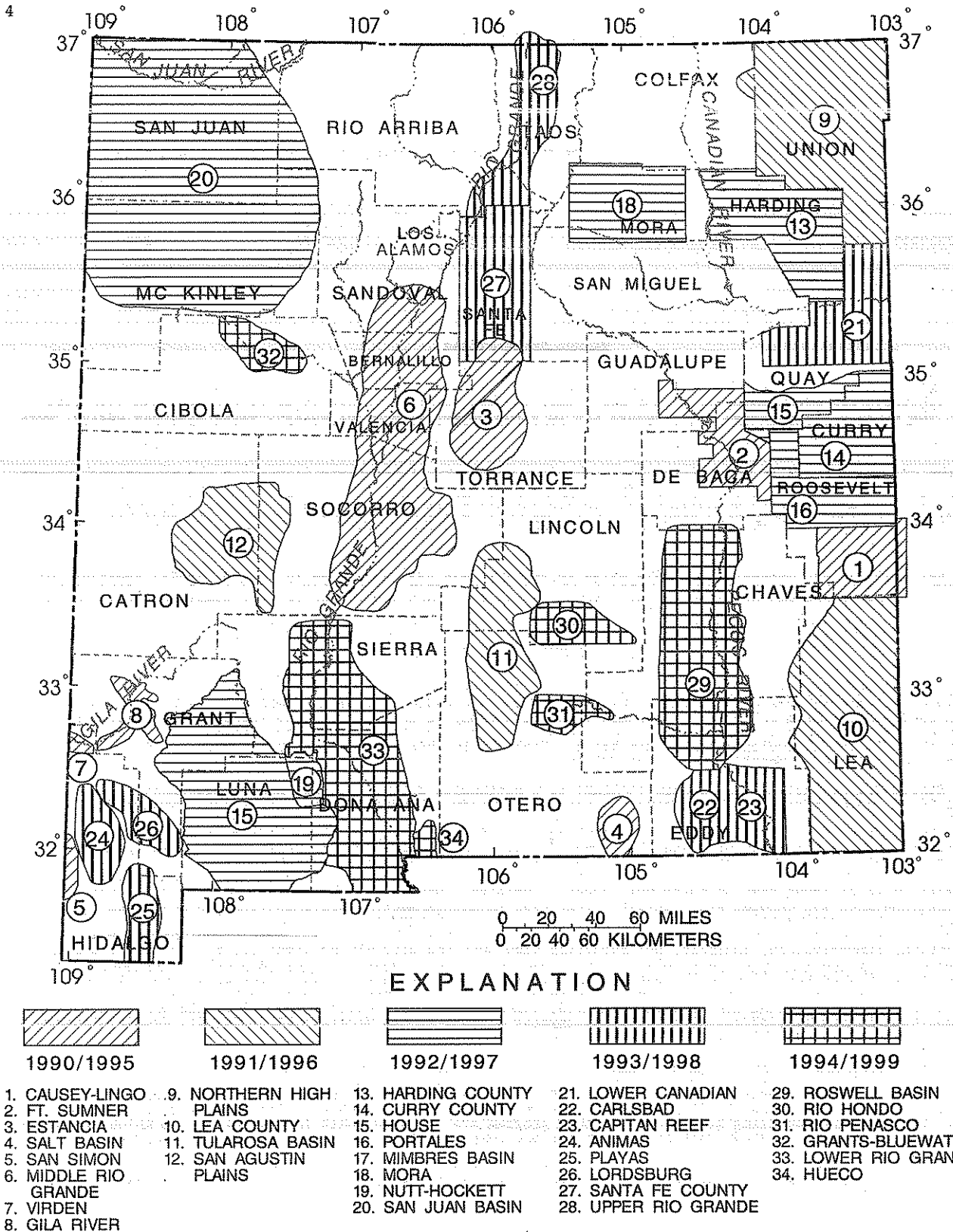


Figure 1.--Areas of 5-year ground-water-level monitoring and years measured or scheduled to be measured.

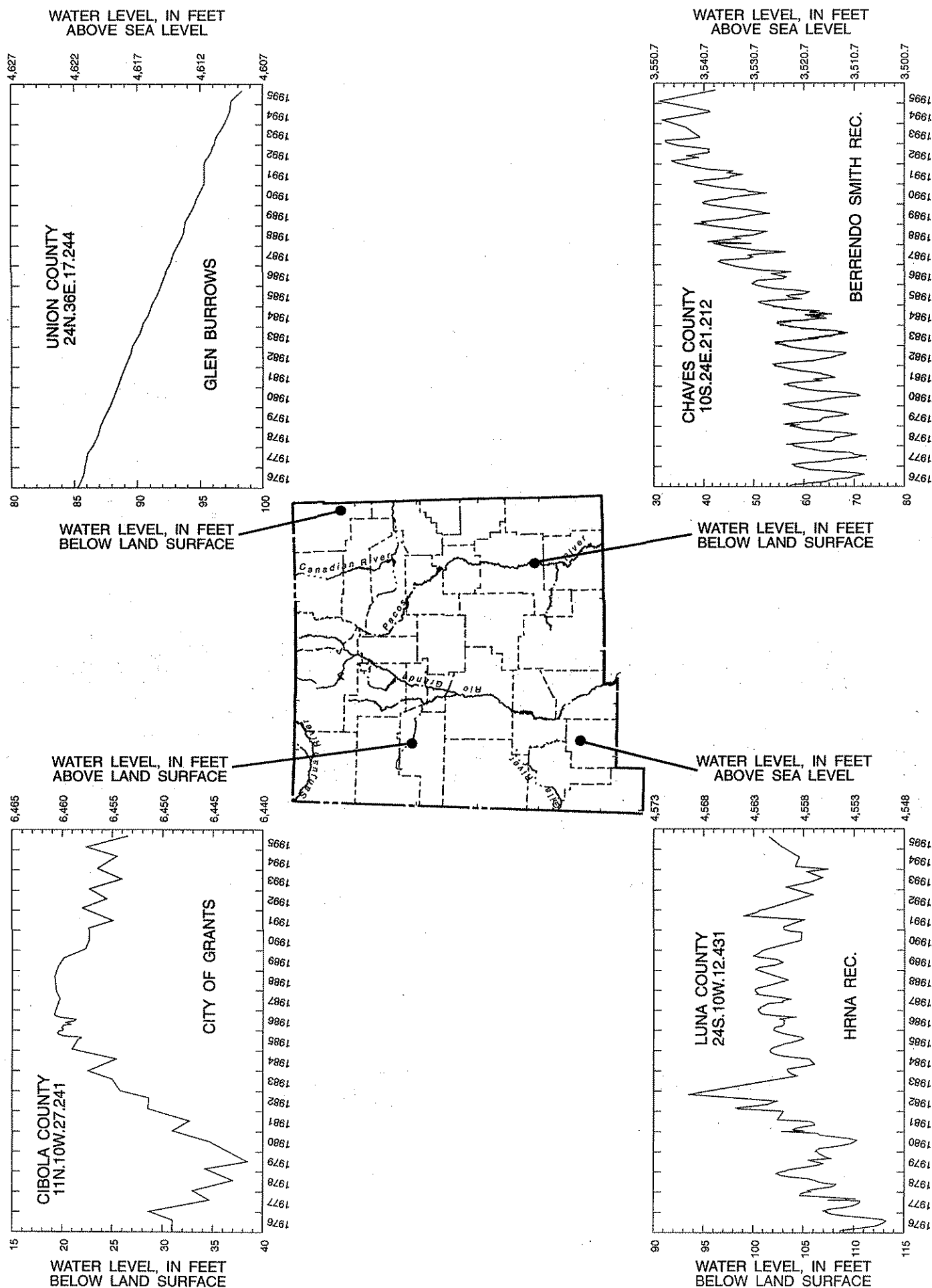


Figure 2.--Ground-water-level trends for the last 20 years or period of record.

WATER RESOURCES DATA FOR NEW MEXICO, WATER YEAR 1995

Surveillance network stations are surface-water stations selected for water-quality examinations for water-quality control purposes. These stations are usually located at key regulatory streamflow-gaging stations. Data for major inorganic constituents, nutrients, dissolved oxygen, suspended sediment, and bacteria are collected at all these stations. Data for and trace radiochemicals, and pesticides are collected at some of these stations. Included in this network are stations 07221500, Canadian River near Sanchez; 08276500, Rio Grande below Taos Junction Bridge, near Taos; 08313000, Rio Grande at Otowi Bridge, near San Ildefonso; 08319000, Rio Grande at San Felipe; 08331000, Rio Grande at Isleta; 08354800, Rio Grande Conveyance Channel at San Acacia; 08354900, Rio Grande Floodway at San Acacia; 08358300, Rio Grande Conveyance Channel at San Marcial; 08358400, Rio Grande Floodway at San Marcial; 08383500, Pecos River near Puerto de Luna; 08386000, Pecos River near Acme; 08396500, Pecos River near Artesia; and 09368000, San Juan River at Shiprock.

Tritium network is a network of stations that has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States. Included in the tritium network for New Mexico is a precipitation station that is located 1206 Field Drive NE, Albuquerque NM (Lat 35°05'35", long 106°32'40").

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1995 water year, which began October 1, 1994, and ended September 30, 1995. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 5 and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether stream site or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream-order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous measurements are made.

Downstream-Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation on a list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 08313000, which appears just to the left of the station name, includes the two-digit part number "08" plus the six-digit downstream-order number "313000." The part number designates the major river basin. Records in this report are in Part 07 (Lower Mississippi River Basin), Part 08 (Western Gulf of Mexico Basin), and Part 09 (Colorado River Basin).

Latitude-Longitude System

The identification numbers for wells, springs, and miscellaneous sites are assigned according to the grid system of latitude and longitude. The system provides the geographic location of the well, spring, or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 3 below.

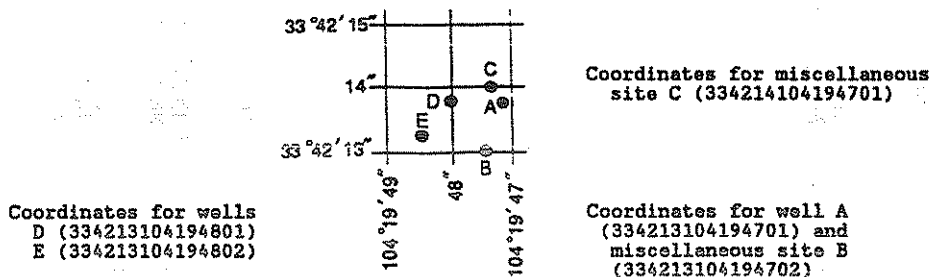


Figure 3.--System for numbering wells, springs, and miscellaneous sites.

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Local Well Numbers

To provide an additional means of identification and a cross reference to records in older reports, most wells and springs have been assigned a local identifier based on the system of public land surveys. In areas covered by such surveys, the local identifier consists of a series of numbers and letters separated by periods, giving the township, range, section, and tract within a section, in that order. The letters N or S locate the township north or south of the New Mexico base line. The letters E or W locate the range east or west of the New Mexico principal meridian. A zero in a tract number indicates that the well or spring is centrally positioned or has not been located accurately enough to be placed within a tract or quarter section. Three digits in a tract number will locate a well or spring to the nearest 10-acre tract, and six digits will locate a site to the nearest 0.16-acre tract. This numbering system is illustrated in WDR NM-75-1 and WSP 1855. On the Navajo Reservation, where public land surveys have not been made, the local identifier is based on a different system of letters and numbers. In the example NR032.0156x0736, the first two letters indicate that the well is on the Navajo Reservation. The three-digit number to the left of the decimal indicates one of a series of special quadrangle maps on which the well is located. The two numbers to the right of the decimal separated by the letter x are the coordinates of the well in hundredths of a mile from the northeast corner of the area on the map. The first coordinate indicates the distance west; the second the distance south. The above well is located on map 032, 1.56 miles west and 7.36 miles south of the northeast corner.

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by the table title "Crest-stage partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all partial-record stations for which data are given in this report is shown in figure 7.

Data Collection and Computation

The data obtained at a complete-record gaging station consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Continuous records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations, or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If it is necessary to define extremes of discharge outside the range of the current meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by the personnel making the measurements are applied to the gage heights before discharges are determined from the curves or tables. This shifting-control method is also used if the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control. At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes of observations, and comparable records of discharge for other stations in the same or nearby basins for comparable periods of time.

In computing records of lake or reservoir contents, it is necessary to have curves or tables available from surveys. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes in contents are determined.

If the stage-capacity curve changes because of deposition of sediment in a lake or reservoir, periodic resurveys of the reservoir may be necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, prior and subsequent records, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data presentation" (REMARKS paragraph) and "Identifying estimated daily discharge."

Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each gaging station consist of two parts: the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River mileage measurement," Bulletin 14, revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record are identified by date in this paragraph of the station description for water-discharge records. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station, and possibly to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or possibly future station manuscript published to document the revision in a "Revised records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream locations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Data table of daily mean values

The daily table of discharge records for streamgaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN"); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS _____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled "SUMMARY STATISTICS" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS _____," will consist of all of the station record within the specified water year, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (See line headings below,) except for the "ANNUAL 7-DAY MINIMUM" statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The data or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year. At some stations, the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

ANNUAL MEAN.--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 328,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

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Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, indefinite stage relations, or any other unusual conditions at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a table showing daily contents or stage. For some reservoirs a monthly summary table of stage and contents is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given, or if daily stage is published.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations (miscellaneous sites). Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of the Records

The accuracy of streamflow records depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of measurements of stage, measurements of discharge, and interpretations of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair" within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values of less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to three significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations, such as observations of water temperatures, discharge measurements, gage-height records, and rating tables, is on file in the District office. Most gaging-station records are also available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the District office.

Records of Surface-Water Quality

Surface-water quality samples usually are collected at or near gaging stations because interpretation of records of surface water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing- or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records of surface-water quality appear in this report are shown in figure 6.

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the *in situ* quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the *in situ* water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references appear on the list of publications following this section. Detailed information on collecting, treating, and shipping samples may also be obtained from the Geological Survey District office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream-Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors that must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the District office whose address is given on the back of the title page of this report.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have small diurnal temperature changes; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the District office.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may be collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration are computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day has been computed by the subdivided-day method. For periods when no samples are collected, daily discharges of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Historical and current (1992) dissolved trace-element concentrations are reported herein for water that was collected, processed, and analyzed by using either ultraclean or other than ultraclean techniques. If ultraclean techniques were used, then those concentrations are reported in nanograms per liter. If other than ultraclean techniques were used, then those concentrations are reported in micrograms per liter and could reflect contamination introduced during some phase of the procedure.

Microbiological data on coliform and streptococcal bacteria appear in this report. Methods for the collection and analysis of aquatic biological and aquatic microbiological samples are described by Slack and others (1973). (See reference.)

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratories are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

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Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily, are presented first. Tables of daily values of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge-gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See "Data presentation" under "Records of stage and water discharge"; same comments apply.

DRAINAGE AREA.--See "Data presentation" under "Records of stage and water discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor, temperature recorder, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and the current year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this report:

PRINTED OUTPUTREMARK

e	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant

Records of Ground-Water Levels

Only water-level data from a national network of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the Nation's most important aquifers. Locations of the observation wells in this network in New Mexico are shown in figure 8.

Data Collection and Computation

Measurements of water levels are made in many types of wells, under varying conditions of access and at different temperatures, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used are those that will ensure consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other changes since construction.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base, and so on); and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells, and may be used to acknowledge the assistance of local (non-Survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water level are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only water-level lows are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for many sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on a following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

WATER RESOURCES DATA FOR NEW MEXICO, WATER YEAR 1995

Data Presentation

The records of ground-water quality are published in a section, "QUALITY OF GROUND WATER" immediately following the ground-water-level records. Data for quality of ground water are listed alphabetically by county, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water. The REMARK codes listed for surface-water-quality records are also applicable to ground-water-quality records.

Access to WATSTORE Data

The National Water-Data STORAGE and RETrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's District offices. (See address given on the back of the title page.)

General inquiries about WATSTORE may be directed to:

Chief Hydrologist, U.S. Geological Survey, MS 437, National Center Reston, Virginia 22092

Parameter Codes

The five-digit codes shown in parentheses in the column headings of the tables in this report are parameter codes that uniquely identify a specific constituent. These are standard codes used to identify the data stored in the files of WATSTORE. These codes are identical to those used in the U.S. Environmental Protection Agency (EPA) data system, STORET. The EPA assigns and approves all requests for new codes.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or 325,851 gallons or 1,233.49 cubic meters.

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes it an excellent indicator of the presence of living material in water. A measure of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter of the original water sample.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause diseases, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C + or - 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C + or - 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, coccil bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35 °C + or - 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

Dry mass refers to the mass of residue present after drying in an oven at 105 °C for zooplankton and periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and the ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by the flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,445 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second per square mile [(ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT³/S, ft³/s, cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

Discharge-weighted average: See Weighted average.

Dissolved refers to that material in a representative water sample which passes through a 0.45-um membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$d = - \sum_{i=1}^S \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and S is the total number of taxa in the sample of the community. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground water observation well.

Measuring point (MP) is an arbitrary permanent reference point from which the distance to the water surface in a well is measured to obtain the water level.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

MBAS qualifier MBAS determinations made from 1970 through August 29, 1993, at the National Water Quality Laboratory in Denver (Analyzing Agency Code 80020) are biased high. These data can be corrected based on the following equation if concentrations of nitrate plus nitrite, dissolved, as N, and dissolved chloride, determined concurrently with the MBAS data are available:

$$\text{MBASCOR} = M - [(0.0088)N + (0.00019)C] \quad \text{in which}$$

MBASCOR = corrected MBAS concentration, in mg/L,
M = reported MBAS concentration, in mg/L,
N = nitrate plus nitrite, dissolved, as N, concentration, in mg/L, and
C = dissolved chloride concentration, in mg/L.

The updated method reporting limit is 0.02 mg/L. The former reporting limit was 0.01 mg/L. A reporting limit of 0.02 mg/L should be applied to any corrected MBAS data from 1970 through August 29, 1993. The laboratory will automatically correct MBAS results after August 29, 1993.

Uncorrected MBAS data for New Mexico that were collected during the 1993 water year were corrected by applying the above equation. The water-quality data files were updated with the corrected values and retrieved for publication in the 1993 edition of the annual data report. The corrected values, if greater than the updated reporting limit of 0.02 mg/L were qualified as estimated values.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element sorbed per unit mass (gram) of material analyzed.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation
Silt.....	.004 - .062	Sedimentation
Sand.....	.062 - 2.0	Sedimentation or sieve
Gravel.....	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population in terms of types, numbers, mass, or volume.

Periphyton are the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms.

Pesticides are chemical compounds used to control the growth of undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton are the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton are the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample.

Zooplankton are the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg C/(m².time)] for periphyton and macrophytes and [mg C/(m³.time)] for phytoplankton are the units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg O/(m².time)] for periphyton and macrophytes and [mg O/(m³.time)] for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period was uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is a general term referring to material in suspension. It is not synonymous with either discharge or concentration.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Total sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total sediment discharge.

Sodium-adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range, in respect to sodium hazard, from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Solution is the homogeneous mixture of solutes and water. The solutes usually comprise a very small fraction of the total weight of the mixture. For this reason, the terms "solution" and "water" are used interchangeably.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature, whether on a chart, tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY) is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.) Total concentrations occasionally are reported as less than the corresponding dissolved concentrations for a chemical constituent due to decreased analytical sensitivity of the analytical methods used for the digested solutions. Digested solutions often contain higher concentrations of substances that interfere with analytical sensitivity through complex matrix effects.

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results. Total recoverable concentrations occasionally are reported as less than the corresponding dissolved concentrations for a chemical constituent due to decreased analytical sensitivity of the analytical methods used for the digested solutions. Digested solutions often contain higher concentrations of substances that interfere with analytical sensitivity through complex matrix effects.

Water year in Geological Survey reports dealing with surface water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980 is called the "1980 water year."

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Applications of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. McCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W. Scott Keys: USGS--TWRI Book 2, Chapter E2. 1990. 150 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and Warren E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathburn, N. Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels of streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by Richard L. Cooley and Richard L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.
- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M. J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Purdic: USGS--TWRI Book 6, Chapter A2. 1991. 368 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

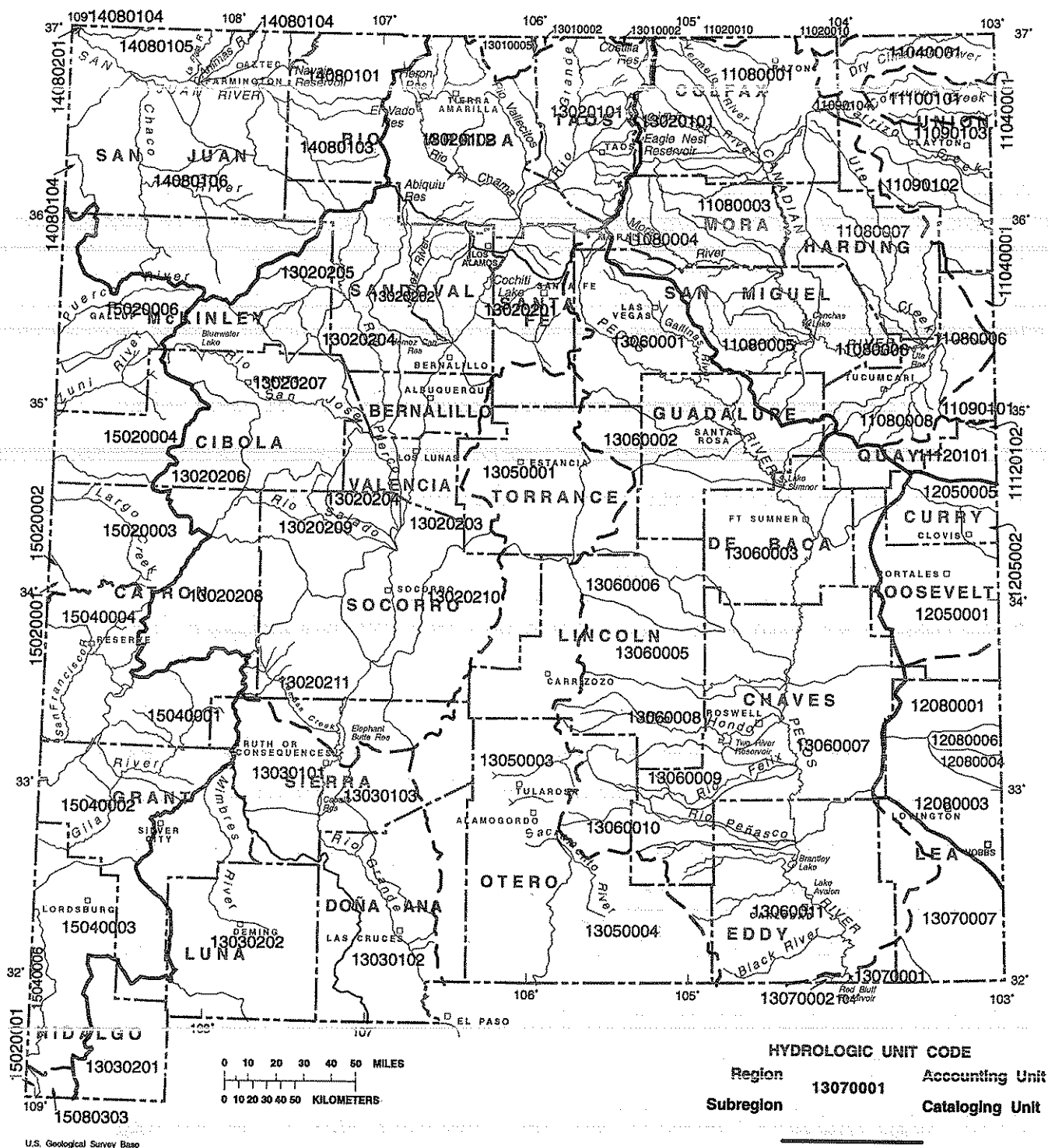
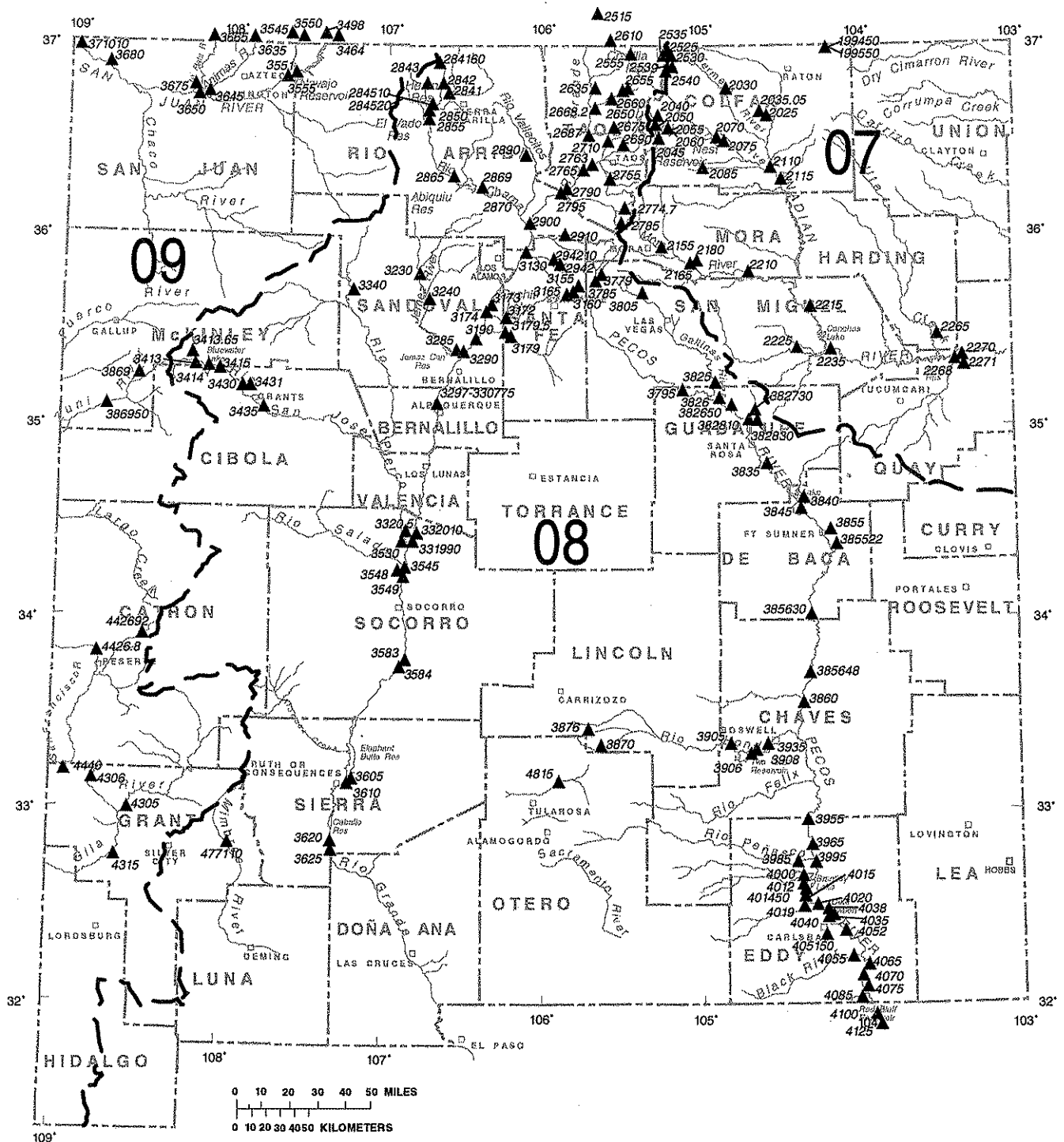


Figure 4.--Location of hydrologic units.



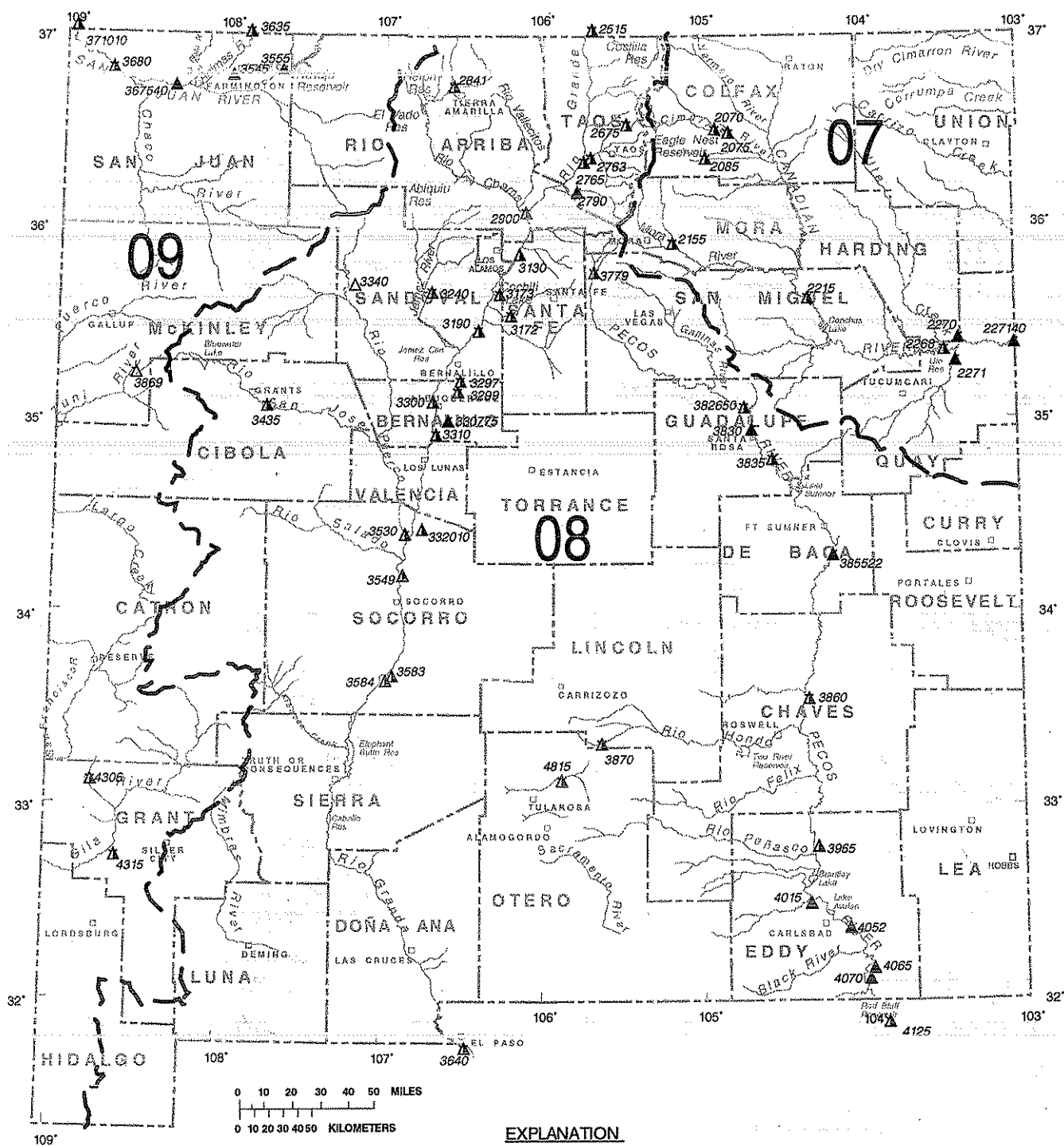
U.S. Geological Survey base

EXPLANATION

- 07 LOWER MISSISSIPPI RIVER BASIN NUMBER
- 08 WESTERN GULF OF MEXICO BASIN NUMBER
- 09 COLORADO RIVER BASIN NUMBER
- RIVER BASIN BOUNDARY

▲ GAGING STATION AND NUMBER--
 Number by symbol is abbreviated
 station number. Complete national
 station number is: 08 401450
 Basin number + station number

Figure 5.--Location of surface-water gaging stations.



EXPLANATION

U.S. Geological Survey base

BASIN AND STATION NUMBER

- 07 LOWER MISSISSIPPI RIVER BASIN NUMBER
- 08 WESTERN GULF OF MEXICO BASIN NUMBER
- 09 COLORADO RIVER BASIN NUMBER

— RIVER BASIN BOUNDARY

▲ STATION AND NUMBER—Number by symbol is abbreviated station number. Complete national station number is: 08 330775

Basin number + station number

STATION AND SAMPLING FREQUENCY

- | | | |
|--|--|--|
| CHEMICAL QUALITY: | ▲ Daily | ▲ Other than daily |
| SUSPENDED SEDIMENT: | ▲ Daily | ▲ Other than daily |
| CHEMICAL QUALITY AND SUSPENDED SEDIMENT: | ▲ Both daily | ▲ Both other than daily |
| | ▲ Daily chemical quality and other than daily suspended sediment | ▲ Daily suspended sediment and other than daily chemical quality |

Figure 6.--Location of surface-water-quality stations.

HYDROLOGIC-DATA STATION RECORDS

LOWER MISSISSIPPI RIVER BASIN

ARKANSAS RIVER BASIN

07199450 LAKE MALOYA NEAR RATON, NM

LOCATION.--Lat 36°59'02", long 104°22'24", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, near spillway of dam on Chicorica Creek, 6.5 mi northeast of Raton, and at mile 21.5.

DRAINAGE AREA.--20.8 mi².

PERIOD OF RECORD.--May 1975 to September 1987 (monthend contents only), October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Reservoir is formed by an earthfill dam, completed in 1907; capacity, 59 acre-ft. Reservoir enlarged in 1916; capacity, 1,130 acre-ft, spillway elevation, 7,479.0 ft. Reservoir enlarged again in 1948; capacity, 3,690 acre-ft, spillway elevation, 7,511.0 ft. Elevation of lowest outlet, 7,439.0 ft. No dead storage. Water is for municipal use of City of Raton. See table below for total monthly diversion, in acre-feet, from Lake Maloya for municipal supply for City of Raton and releases to Vermejo Conservancy District.

COOPERATION.--Diversion, spillage and release data provided by City of Raton.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,970 acre-ft, May 31, 1975, elevation, 7,510.79 ft; maximum elevation observed, 7,512.18 ft, Apr. 30, 1987; minimum observed, 911 acre-ft, Feb. 28, 1979, elevation, 7,479.85 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,930 acre-ft, May 29, elevation, 7,513.01 ft; minimum contents, 3,160 acre-ft, Nov. 8-11, elevation 7,506.43.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	3170	3190	3220	3220	3340	3480	3750	3780	3760	3710	3680
2	3240	3170	3190	3220	3230	3340	3480	3740	3780	3750	3710	3680
3	3240	3170	3190	3220	3230	3350	3490	3730	3770	3750	3710	3680
4	3240	3170	3190	3220	3230	3350	3490	3740	3770	3750	3710	3680
5	3240	3170	3200	3220	3240	3360	3490	3750	3770	3740	3710	3680
6	3230	3170	3200	3220	3250	3360	3500	3800	3740	3740	3710	3670
7	3230	3170	3200	3230	3250	3370	3490	3780	3740	3730	3710	3680
8	3220	3160	3200	3220	3250	3370	3490	3770	3740	3730	3700	3690
9	3220	3160	3200	3220	3260	3380	3490	3760	3730	3730	3690	3690
10	3210	3160	3200	3220	3260	3380	3490	3750	3730	3730	3690	3700
11	3210	3160	3210	3220	3260	3390	3500	3760	3730	3730	3690	3700
12	3200	3180	3210	3220	3270	3390	3510	3750	3730	3720	3690	3700
13	3200	3180	3210	3220	3270	3390	3540	3750	3730	3720	3690	3700
14	3200	3180	3210	3220	3280	3390	3560	3740	3720	3720	3690	3700
15	3200	3180	3210	3220	3280	3390	3590	3740	3720	3720	3690	3700
16	3210	3180	3210	3210	3280	3400	3600	3730	3730	3720	3690	3700
17	3210	3170	3220	3220	3290	3410	3610	3730	3730	3720	3690	3690
18	3210	3180	3220	3220	3300	3410	3630	3740	3770	3720	3690	3690
19	3210	3180	3220	3220	3300	3420	3630	3750	3760	3720	3690	3690
20	3210	3190	3220	3220	3310	3420	3650	3740	3740	3720	3690	3690
21	3200	3190	3230	3220	3320	3420	3660	3740	3740	3720	3690	3680
22	3200	3190	3230	3210	3320	3430	3670	3740	3730	3720	3690	3690
23	3200	3190	3230	3220	3320	3430	3680	3740	3720	3720	3680	3690
24	3190	3190	3230	3220	3330	3430	3690	3740	3730	3720	3680	3690
25	3190	3190	3230	3220	3330	3430	3710	3740	3730	3710	3680	3700
26	3180	3190	3230	3220	3340	3440	3720	3740	3730	3710	3690	3700
27	3180	3190	3220	3220	3340	3450	3730	3740	3730	3710	3690	3700
28	3180	3190	3220	3220	3340	3450	3730	3750	3720	3720	3690	3700
29	3180	3190	3220	3220	---	3460	3740	3930	3720	3720	3690	3700
30	3180	3190	3220	3220	---	3460	3750	3840	3750	3710	3690	3700
31	3180	---	3220	3220	---	3470	---	3800	---	3710	3680	---
MAX	3250	3190	3230	3230	3340	3470	3750	3930	3780	3760	3710	3700
MIN	3180	3160	3190	3210	3220	3340	3480	3730	3720	3710	3680	3670
(†)	7506.64	7506.73	7507.00	7507.00	7508.10	7509.17	7511.50	7511.92	7511.50	7511.17	7510.92	7511.09
(††)	-70	+10	+30	-40	+70	+100	+10	-10	-110	-200	-60	-100
(†††)	75	0	0	0	0	0	0	0	0	0	0	0
(††††)	0	0	0	0	0	0	0	0	0	0	0	0
CAL YR 1994	MAX 3770	MIN 3160	(††) -330	(†††) 839	(††††) 0							
WTR YR 1995	MAX 3930	MIN 3160	(††) -370	(†††) 87	(††††) 0							

(†) ELEVATION, IN FEET, AT END OF MONTH

(††) CHANGE IN CONTENTS, IN ACRE-FEET

(†††) DIVERSION FROM LAKE MALOYA, IN ACRE-FEET

(††††) RELEASE, IN ACRE-FEET, TO VERMEJO CONSERVANCY DISTRICT

ARKANSAS RIVER BASIN

07199550 LAKE ALICE NEAR RATON, NM

LOCATION.--Lat 36°57'15", long 104°23'06", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, near spillway of dam on Chicorica Creek, 4.4 mi northeast of Raton, and at mile 19.2.

DRAINAGE AREA.--29.4 mi².

PERIOD OF RECORD.--May 1975 to current year.

GAGE.--Nonrecording gage. Elevation of gage is National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Reservoir is formed by an earthfill dam, completed in 1892; capacity 100 acre-ft, spillway elevation, 7,078.0 ft. Reservoir rehabilitated in 1941; capacity, 71 acre-ft, spillway elevation, 7,089.6 ft. Elevation of lowest outlet, 7,064.1 ft. No dead storage. Water is for municipal use of City of Raton.

COOPERATION.--Monthend elevations and contents provided by City of Raton.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 100 acre-ft, January 31, 1994, elevation, 7,090 ft; minimum observed, 0 acre-ft, Aug. , Sept. 1989, lake drained.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30, 1994.....		63	0
Oct. 31.....		63	0
Nov. 30.....		63	0
Dec. 31.....		63	0
CAL YR 1995.....	-	-	+ 63
Jan. 31, 1995.....	7,089.6	63	0
Feb. 28.....	7,089.6	63	0
Mar. 31.....	7,089.6	63	0
Apr. 30.....	7,089.6	63	0
May 31.....	7,089.6	63	0
June 30.....	7,089.6	63	0
July 31.....	7,089.6	63	0
Aug. 31.....	7,089.6	63	0
Sept. 30.....	7,089.6	63	0
WTR YR 1995.....	-	-	0

ARKANSAS RIVER BASIN

07203000 VERMEJO RIVER NEAR DAWSON, NM

LOCATION.--Lat 36°40'50", long 104°47'08", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, on left bank 1.3 mi north of Dawson, 2.3 mi upstream from Rail Canyon, and at mile 26.2.

DRAINAGE AREA.--301 mi².

PERIOD OF RECORD.--October 1915 to July 1918, April 1919 to May 1921, January 1927 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: 1947, drainage area. WSP 1281: 1932(M), 1934(M), 1936-38(M), 1941-42(P), 1944-46(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1311 or 1731 for history of changes prior to Sept. 24, 1953.

REMARKS.--Records fair except for estimated daily discharges which are poor. Diversions for irrigation of small acreage and mountain meadows upstream from station. Several observations of water temperature were made during year. U. S. Weather Service Satellite Telemeter at gage. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred Aug. 2, 1921, when discharge probably exceeded 10,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	13	60	13	23	5.5	11	30	128	e140	31	25
2	29	13	58	6.6	12	e5.4	13	29	122	e120	29	23
3	28	16	50	11	6.0	e7.4	13	31	121	e110	26	29
4	33	21	36	11	6.1	e7.1	12	32	120	e91	24	21
5	27	20	29	10	9.8	e6.7	11	53	116	e82	24	20
6	14	21	30	10	8.6	e7.6	12	82	116	e75	23	17
7	15	22	21	13	7.7	e6.7	14	53	e100	e68	20	28
8	19	22	9.3	8.5	7.3	e7.1	14	39	e93	e66	23	144
9	18	23	8.3	12	4.0	e8.0	14	32	e88	e67	32	54
10	15	23	12	35	6.9	7.5	16	30	e82	e59	31	72
11	13	26	22	9.9	.86	7.3	16	36	e77	e49	29	53
12	12	31	28	7.2	3.3	7.9	15	34	e74	e42	47	35
13	11	34	21	14	11	7.9	15	33	e69	43	35	29
14	12	31	29	9.2	18	6.4	16	33	e65	44	30	27
15	23	29	31	25	8.9	6.3	16	35	e64	70	39	26
16	21	27	31	10	8.3	7.2	16	41	e62	59	25	25
17	25	27	25	7.6	6.9	8.3	15	46	e62	71	21	24
18	21	42	20	5.4	8.0	8.9	16	44	257	156	18	23
19	15	23	23	12	8.5	8.6	16	43	176	91	18	22
20	13	27	23	17	6.6	8.4	19	41	e145	67	23	20
21	12	32	20	7.7	5.2	8.0	18	42	e135	57	30	19
22	11	34	24	20	5.4	7.6	21	44	e130	52	48	20
23	11	27	31	18	6.2	8.5	20	46	183	48	44	20
24	11	28	14	27	5.1	8.0	20	48	e135	43	46	21
25	16	39	23	18	5.2	9.0	21	46	e125	40	33	40
26	14	31	16	11	6.8	10	23	46	e116	37	63	26
27	14	34	24	11	7.4	9.3	25	41	e108	34	47	22
28	13	26	31	8.1	6.6	9.0	25	43	e102	31	57	20
29	14	32	14	11	---	11	26	504	e100	29	57	20
30	14	40	13	11	---	11	28	283	e160	30	35	20
31	15	---	13	10	---	9.9	---	148	---	29	29	---
TOTAL	536	814	789.6	400.2	219.66	247.5	517	2088	3431	2000	1037	945
MEAN	17.3	27.1	25.5	12.9	7.84	7.98	17.2	67.4	114	64.5	33.5	31.5
MAX	33	42	60	35	23	11	28	504	257	156	63	144
MIN	11	13	8.3	5.4	.86	5.4	11	29	62	29	18	17
AC-FT	1060	1610	1570	794	436	491	1030	4140	6810	3970	2060	1870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1995, BY WATER YEAR (WY)

	MEAN	8.77	6.78	5.50	5.34	6.28	6.67	21.4	50.0	36.3	29.7	40.4	17.3
MAX	51.6	30.5	25.5	15.5	16.7	34.8	370	372	179	138	147	78.4	
(WY)	1942	1942	1995	1921	1920	1987	1942	1941	1965	1919	1955	1942	
MIN	.15	.040	.59	.65	1.20	.80	1.21	.96	.65	1.85	4.50	.37	
(WY)	1952	1952	1952	1975	1952	1951	1955	1967	1946	1963	1951	1951	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1916 - 1995
ANNUAL TOTAL	16332.57	13024.96	
ANNUAL MEAN	44.7	35.7	19.1
HIGHEST ANNUAL MEAN			89.0
LOWEST ANNUAL MEAN			2.05
HIGHEST DAILY MEAN	327	Aug 19	2340
LOWEST DAILY MEAN	.31	Feb 3	.00
ANNUAL SEVEN-DAY MINIMUM	3.7	Jan 28	.00
INSTANTANEOUS PEAK FLOW			a12600
INSTANTANEOUS PEAK STAGE			15.25
ANNUAL RUNOFF (AC-FT)	32400	25840	13860
10 PERCENT EXCEEDS	133	76	45
50 PERCENT EXCEEDS	23	23	7.7
90 PERCENT EXCEEDS	7.6	7.7	1.8

e Estimated

a-From rating curve extended above 400 ft³/s on basis of slope-area measurement of peak flow.

ARKANSAS RIVER BASIN

07203505 VERMEJO DITCH NEAR COLFAX, NM

LOCATION.--Lat 36°34'18", long 104°41'53", Colfax County, Hydrologic Unit 11080001, in Maxwell Grant, on right bank 2.0 mi southeast of Colfax, and 4.9 mi downstream from head.

PERIOD OF RECORD.--December 1980 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,160 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 19, 1985 at site 0.8 mi downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges which are poor. Vermejo ditch diverts water from Vermejo River for use on the Vermejo Project. Three small diversions from Vermejo ditch upstream from gage. Several observations of water temperature were made during the year. No flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	13	20	6.9	9.5	e4.8	9.5	e27	e.00	e5.6	e27	26
2	5.3	13	22	7.1	9.0	e4.6	11	e25	e.00	e5.5	e24	23
3	4.9	13	15	5.9	7.4	e6.0	12	e27	e.00	e5.4	e22	26
4	4.7	15	14	7.8	6.3	e5.7	12	e29	e.00	e5.4	e21	22
5	4.6	15	14	9.9	6.0	e5.6	11	e42	e.00	e5.3	e21	19
6	3.9	14	12	12	7.0	e6.0	e11	e57	e.00	e5.3	e20	20
7	4.0	15	12	11	7.0	e6.0	e12	e54	e.00	e5.2	e19	31
8	4.1	13	10	14	6.2	e5.7	e12	e49	e.00	e5.2	21	173
9	4.2	13	9.1	9.5	5.6	5.4	e12	e45	e.00	e5.1	25	87
10	4.1	13	10	6.6	6.0	6.3	e13	35	e.00	17	32	109
11	4.0	13	8.7	7.9	6.4	6.2	e13	37	e.00	45	78	98
12	4.0	16	9.3	6.9	6.0	6.5	e12	33	e.00	36	61	38
13	3.9	15	14	5.7	8.8	6.8	e12	31	e.00	31	36	30
14	3.9	14	15	5.8	17	6.7	e13	30	e.00	31	34	27
15	5.7	13	14	5.7	11	6.3	e13	32	e.00	63	43	26
16	4.1	12	13	8.2	7.4	6.3	e13	40	e.00	70	30	24
17	4.7	13	13	6.6	6.5	6.9	e12	53	e.00	66	24	22
18	4.0	17	17	5.7	5.9	7.2	e14	58	108	e185	22	21
19	4.0	12	19	5.9	6.7	6.8	e14	54	43	e170	21	19
20	3.9	15	16	6.2	e5.5	6.8	e16	49	e8.4	156	20	18
21	3.9	14	16	9.3	e4.7	6.8	e15	51	e8.0	91	28	18
22	3.7	15	14	9.3	e4.9	6.4	e17	58	e7.4	68	35	20
23	3.5	15	11	6.6	e5.3	6.9	e16	76	e7.2	e40	68	21
24	3.4	10	11	12	e4.6	7.2	e16	128	e7.0	e36	53	21
25	8.2	13	8.5	9.0	e4.7	7.3	e18	74	e7.0	e33	28	41
26	14	16	7.3	10	5.9	8.1	e19	71	e6.8	e30	77	30
27	14	27	7.3	7.9	6.5	8.8	e21	66	e6.6	e28	48	23
28	14	22	6.6	8.0	e5.6	8.7	e21	70	e6.2	e26	68	21
29	14	11	6.6	7.6	---	10	e23	e195	e5.9	e24	72	23
30	14	13	7.1	7.5	---	10	e25	e50	e5.8	e26	40	21
31	14	---	8.0	5.9	---	10	---	e.00	---	e25	31	---
TOTAL	194.3	433	380.5	248.4	193.4	212.8	438.5	1646.00	227.30	1345.0	1149	1098
MEAN	6.27	14.4	12.3	8.01	6.91	6.86	14.6	53.1	7.58	43.4	37.1	36.6
MAX	14	27	22	14	17	10	25	195	108	185	78	173
MIN	3.4	10	6.6	5.7	4.6	4.6	9.5	.00	.00	5.1	19	18
AC-FT	385	859	755	493	384	422	870	3260	451	2670	2280	2180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1995, BY WATER YEAR (WY)

MEAN	9.29	8.22	5.40	4.55	4.86	9.14	21.4	31.9	28.6	24.4	28.6	17.6
MAX	17.3	16.3	12.3	9.93	8.89	48.6	111	62.0	77.2	52.8	51.3	40.5
(WY)	1987	1992	1995	1994	1983	1987	1987	1985	1983	1986	1981	1991
MIN	4.91	3.31	.61	.86	1.35	2.21	2.33	4.08	.97	6.09	11.7	1.60
(WY)	1990	1985	1988	1988	1988	1981	1981	1981	1981	1989	1989	1993

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1981 - 1995

ANNUAL TOTAL	6702.67	7566.20	
ANNUAL MEAN	18.4	20.7	16.5
HIGHEST ANNUAL MEAN			26.9
LOWEST ANNUAL MEAN			8.48
HIGHEST DAILY MEAN	115	195	229
LOWEST DAILY MEAN	.00 Sep 1	.00 May 29	.00 Jun 8 1986
ANNUAL SEVEN-DAY MINIMUM	.00 May 22	.00 May 31	.00 Jun 13 1981
ANNUAL RUNOFF (AC-FT)	13290	15010	11960
10 PERCENT EXCEEDS	49	49	43
50 PERCENT EXCEEDS	12	12	8.5
90 PERCENT EXCEEDS	.03	4.6	1.8

e Estimated

ARKANSAS RIVER BASIN

07204000 MORENO CREEK AT EAGLE NEST, NM

LOCATION.--Lat 36°33'14", long 105°16'03", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 175 ft upstream from U.S. Highway 64, 250 ft northwest of intersection of U.S. Highway 64 and State Highway 38, about 1,000 ft upstream from high-water line of Eagle Nest Lake at Eagle Nest.

DRAINAGE AREA.--73.8 mi².

PERIOD OF RECORD.--April 1928 to October 1955 and June 1964 to current year (seasonal records except water year 1932). Monthly discharge only for some periods, published in WSP 1311. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma" 1928-34.

REVISED RECORDS.--WSP 1281: 1931(M), 1932, 1935(M), 1939-41(M), 1946-47(M). WSP 1921: Drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control since Oct. 3, 1952. Datum of gage is 8,197.39 ft above National Geodetic Vertical Datum of 1929. See WSP 1921 for history of changes prior to Oct. 26, 1955. Oct. 26, 1955 to Nov. 12, 1974, water-stage recorder at site 160 ft downstream at datum 1.41 ft lower.

REMARKS.--Records good. Diversions for irrigation of about 1,200 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 240 ft³/s, Sept. 1, 1946, gage height, 3.10 ft, site and datum then in use; maximum gage height, 3.55 ft, May 12, 1973; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 114 ft³/s, at 1930 hours, May 29, gage height, 2.83 ft; minimum daily discharge, 2.2 ft³/s, Aug. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	---	---	---	---	---	---	41	98	17	3.5	4.4
2	6.3	---	---	---	---	---	---	48	96	12	3.2	3.6
3	6.3	---	---	---	---	---	---	55	96	10	2.8	3.8
4	6.3	---	---	---	---	---	---	51	91	9.9	2.7	3.6
5	5.1	---	---	---	---	---	---	53	79	9.4	2.6	3.5
6	2.6	---	---	---	---	---	---	52	72	8.5	2.5	3.2
7	3.5	---	---	---	---	---	---	48	69	8.1	2.4	4.7
8	3.0	---	---	---	---	---	---	47	60	8.4	2.2	12
9	3.0	---	---	---	---	---	---	51	52	8.2	2.4	8.2
10	3.5	---	---	---	---	---	---	48	45	7.0	3.0	7.2
11	3.7	---	---	---	---	---	---	53	40	6.5	3.2	6.3
12	3.8	---	---	---	---	---	17	55	36	5.9	3.9	5.0
13	4.0	---	---	---	---	---	18	52	32	5.5	4.8	4.2
14	5.3	---	---	---	---	---	16	51	30	5.2	4.4	4.1
15	---	---	---	---	---	---	16	55	28	6.6	4.7	4.3
16	---	---	---	---	---	---	17	64	27	7.1	3.8	4.1
17	---	---	---	---	---	---	17	74	26	6.3	3.5	3.9
18	---	---	---	---	---	---	14	71	25	6.8	3.3	3.9
19	---	---	---	---	---	---	15	64	22	6.5	3.8	4.0
20	---	---	---	---	---	---	17	56	20	5.9	3.9	3.8
21	---	---	---	---	---	---	19	56	18	5.3	3.5	3.7
22	---	---	---	---	---	---	19	58	16	4.8	4.9	3.9
23	---	---	---	---	---	---	19	58	15	4.3	4.8	3.4
24	---	---	---	---	---	---	21	59	15	3.9	4.0	3.6
25	---	---	---	---	---	---	22	54	17	3.5	5.8	7.4
26	---	---	---	---	---	---	22	45	14	3.4	5.8	5.4
27	---	---	---	---	---	---	27	40	12	2.9	5.2	4.4
28	---	---	---	---	---	---	31	41	12	2.6	7.8	4.1
29	---	---	---	---	---	---	37	32	12	2.7	5.4	5.0
30	---	---	---	---	---	---	40	98	19	2.7	5.3	5.3
31	---	---	---	---	---	---	---	93	---	3.2	4.8	---
TOTAL	---	---	---	---	---	---	---	1774	1195	200.1	123.9	144.0
MEAN	---	---	---	---	---	---	---	57.2	39.8	6.45	4.00	4.80
MAX	---	---	---	---	---	---	---	98	98	17	7.8	12
MIN	---	---	---	---	---	---	---	40	12	2.6	2.2	3.2
AC-FT	---	---	---	---	---	---	---	3520	2370	397	246	286

ARKANSAS RIVER BASIN

07204500 CIENEGUILLA CREEK NEAR EAGLE NEST, NM

LOCATION.--Lat 36°29'07", long 105°15'54", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank 0.1 mi downstream from Schoolhouse Draw, 0.4 mi upstream from high-water line of Eagle Nest Lake, 0.5 mi east of U.S. Highway 64, and 4.7 mi south of Eagle Nest.

DRAINAGE AREA.--56 mi².

PERIOD OF RECORD.--April 1928 to September 1955 and June 1964 to current year (seasonal records except in water years 1932, 1948 and 1951). Monthly discharge only for some periods, published in WSP 1311 and 1731. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma" 1928-34.

REVISED RECORDS.--WSP 957: 1941. WSP 1281: Drainage area. WSP 1311: 1932(M), 1935(M), 1937(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control since Sept. 25, 1947. Elevation of gage is 8,200 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 8, 1928, nonrecording gage, and May 8, 1928 to Sept. 1, 1934, water-stage recorder at site 0.2 mi downstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 1,000 acres upstream from station. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 505 ft³/s, June 16, 1965, gage height, 5.63 ft, March 19, 1994, from rating curve extended above 110 ft³/s, no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 307 ft³/s, time unknown, gage height, 5.30 ft, from floodmarks; minimum daily discharge 4.3 ft³/s, Oct. 1, 3, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	---	---	---	---	---	---	78	e210	41	7.4	5.9
2	4.4	---	---	---	---	---	---	69	e180	27	6.3	5.5
3	4.3	---	---	---	---	---	---	66	e160	21	5.8	5.7
4	4.3	---	---	---	---	---	---	68	e140	20	5.5	5.3
5	4.6	---	---	---	---	---	---	90	e120	18	5.3	5.8
6	8.4	---	---	---	---	---	---	103	e100	16	5.2	4.9
7	5.9	---	---	---	---	---	---	73	e90	14	5.0	10
8	8.2	---	---	---	---	---	---	73	e80	14	5.0	31
9	7.4	---	---	---	---	---	---	92	e60	13	5.0	12
10	6.5	---	---	---	---	---	---	92	e50	12	5.1	9.8
11	6.1	---	---	---	---	---	---	e80	e46	11	6.4	8.4
12	5.7	---	---	---	---	---	30	e90	37	10	6.7	7.2
13	5.5	---	---	---	---	---	34	e80	35	9.9	5.9	6.6
14	---	---	---	---	---	---	31	e74	31	15	5.3	6.2
15	---	---	---	---	---	---	28	e86	29	17	5.0	7.1
16	---	---	---	---	---	---	26	e110	27	18	4.7	6.7
17	---	---	---	---	---	---	25	e120	44	15	4.7	6.1
18	---	---	---	---	---	---	25	e90	60	13	4.6	6.0
19	---	---	---	---	---	---	25	e88	44	12	5.5	5.6
20	---	---	---	---	---	---	31	75	34	11	6.4	5.5
21	---	---	---	---	---	---	33	63	29	9.7	5.5	5.5
22	---	---	---	---	---	---	30	60	25	9.0	6.8	5.7
23	---	---	---	---	---	---	39	e70	22	8.1	8.8	5.4
24	---	---	---	---	---	---	46	e90	24	7.6	6.1	5.3
25	---	---	---	---	---	---	45	e80	32	7.0	18	6.9
26	---	---	---	---	---	---	49	e90	29	6.5	13	5.9
27	---	---	---	---	---	---	61	e100	23	6.1	13	5.5
28	---	---	---	---	---	---	81	e160	20	5.9	11	6.4
29	---	---	---	---	---	---	81	e200	24	5.7	7.5	8.0
30	---	---	---	---	---	---	80	e300	43	5.8	6.7	8.9
31	---	---	---	---	---	---	---	e280	---	6.7	6.1	---
TOTAL	---	---	---	---	---	---	---	3190	1848	406.0	213.3	224.8
MEAN	---	---	---	---	---	---	---	103	61.6	13.1	6.88	7.49
MAX	---	---	---	---	---	---	---	300	210	41	18	31
MIN	---	---	---	---	---	---	---	60	20	5.7	4.6	4.9
AC-FT	---	---	---	---	---	---	---	6330	3670	805	423	446

e Estimated

ARKANSAS RIVER BASIN

07205000 SIXMILE CREEK NEAR EAGLE NEST, NM

LOCATION.--Lat 36°31'07", long 105°16'29", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left upstream wingwall of concrete control, 250 ft downstream from concrete box culvert on U.S. Highway 64, and 2.6 mi southwest of Eagle Nest.

DRAINAGE AREA.--10.5 mi².

PERIOD OF RECORD.--April 1928 to September 1955 (seasonal records in water years 1929-31, 1933-55), July 1958 to current year (seasonal records subsequent to water year 1975). Prior to October 1930 monthly discharge only, published in WSP 1311. Records for December 1930 to March 1931, published in WSP 732, are unreliable and should not be used. Published as "near Therma" 1928-34.

REVISED RECORDS.--WSP 1311: 1932-33(M), 1935(M), 1943(M). WSP 1681: 1937(M). WSP 1921: Drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control Sept. 11, 1931 to May 1933, and since Sept. 13, 1934. Datum of gage is 8,195.16 ft above National Geodetic Vertical Datum of 1929. Prior to May 18, 1928, nonrecording gage at site 88 ft upstream at datum 0.98 ft higher. May 18, 1928 to Sept. 11, 1938, water-stage recorder at site 88 ft upstream at datum 0.43 ft higher.

REMARKS.--Records good. Diversions for irrigation of about 300 acres upstream from station. Several observations of water temperature were made during the year.

AVERAGE DISCHARGE.--18 years (water years 1932, 1959-75), 2.51 ft³/s, 1,820 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD (1930-55 and SINCE 1957).--Maximum discharge, 128 ft³/s, Aug. 5, 1969, gage height, 2.86 ft, from rating curve extended above 32 ft³/s; maximum gage height recorded, 3.38 ft, Apr. 2, 1937 (ice jam), site and datum then in use; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 42 ft³/s, at 2300 hours, July 15, gage height 1.68 ft; minimum daily discharge, 2.3 ft³/s, Aug. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	---	---	---	---	---	---	14	31	13	4.2	3.2
2	2.8	---	---	---	---	---	---	22	30	11	3.9	3.5
3	2.7	---	---	---	---	---	---	29	29	11	3.9	3.7
4	2.8	---	---	---	---	---	---	27	25	11	3.8	3.6
5	3.1	---	---	---	---	---	---	29	22	9.7	2.8	3.5
6	4.3	---	---	---	---	---	---	29	21	8.8	2.3	3.4
7	3.5	---	---	---	---	---	---	25	19	8.4	3.5	4.5
8	3.5	---	---	---	---	---	---	26	16	8.4	3.4	5.8
9	3.4	---	---	---	---	---	---	24	15	8.1	3.6	4.5
10	3.2	---	---	---	---	---	---	23	14	7.5	3.7	4.2
11	3.0	---	---	---	---	---	---	28	13	7.0	4.4	3.8
12	3.0	---	---	---	---	---	8.9	29	13	6.7	4.3	3.7
13	2.8	---	---	---	---	---	8.7	27	12	6.6	3.8	3.5
14	---	---	---	---	---	---	8.6	25	13	6.9	3.7	3.5
15	---	---	---	---	---	---	7.9	25	13	11	3.5	3.5
16	---	---	---	---	---	---	8.0	28	14	13	3.3	3.4
17	---	---	---	---	---	---	8.5	32	15	8.4	3.3	3.3
18	---	---	---	---	---	---	8.0	30	13	7.4	3.2	3.3
19	---	---	---	---	---	---	8.3	27	13	6.8	3.2	3.3
20	---	---	---	---	---	---	8.6	26	13	6.2	3.3	3.2
21	---	---	---	---	---	---	8.6	26	12	5.7	3.2	3.3
22	---	---	---	---	---	---	8.0	27	11	5.3	3.6	3.3
23	---	---	---	---	---	---	7.6	26	10	5.1	3.5	3.2
24	---	---	---	---	---	---	8.1	25	11	4.6	3.4	3.3
25	---	---	---	---	---	---	7.4	21	14	4.6	3.5	4.1
26	---	---	---	---	---	---	7.6	19	13	4.4	4.5	3.4
27	---	---	---	---	---	---	8.3	17	12	4.2	4.5	3.2
28	---	---	---	---	---	---	9.0	17	16	4.1	4.3	3.5
29	---	---	---	---	---	---	10	30	14	4.0	3.7	3.8
30	---	---	---	---	---	---	14	30	15	4.1	3.7	3.6
31	---	---	---	---	---	---	---	29	---	4.3	3.6	---
TOTAL	---	---	---	---	---	---	---	792	482	227.5	112.6	109.1
MEAN	---	---	---	---	---	---	---	25.5	16.1	7.34	3.63	3.64
MAX	---	---	---	---	---	---	---	32	31	13	4.5	5.8
MIN	---	---	---	---	---	---	---	14	10	4.0	2.3	3.2
AC-FT	---	---	---	---	---	---	---	1570	956	451	223	216

ARKANSAS RIVER BASIN

07205500 EAGLE NEST LAKE NEAR EAGLE NEST, NM

LOCATION.--Lat 36°31'53", Long 105°13'44", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, at upstream face of Eagle Nest Dam on Cimarron River, 2.5 mi southeast of Eagle Nest, 6.7 mi west of Ute Park, and at mile 48.7.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--December 1927 to December 1944 (monthend contents only, published in WSP 1311), May 1950 to September 1965 (monthend contents only), October 1965 to June 1987, (nonrecording gage read several times a month at random intervals), July 1987 to current year. Prior to January 1972 published as Eagle Nest Reservoir.

REVISED RECORDS.--WSP 1281: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 8,056.8 ft above Geodetic Vertical Datum of 1929. Prior to October 1964 gage heights were raised by addition of 8,000 ft and called elevations.

REMARKS.--Lake is formed by concrete dam with spillway cut in natural rock, completed June 30, 1918; storage began in June 1917. Capacity, 79,120 acre-ft between gage heights 35.0 ft, sill of outlet gate, and 137.0 ft, crest of ungated spillway. Dead storage negligible. Records given herein represent usable contents. Water released is used for irrigation. Lake is recreational area. Diversions for irrigation of about 2,500 acres upstream from reservoir.

COOPERATION.--Supplemental gage readings provided by Cimarron River watermaster.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 81,360 acre-ft, May 21-29, 1994, gage height, 137.86 ft; minimum observed, 635 acre-ft, Dec. 14, 1954, gage height, 61.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 79,600 acre-ft, June 4, gage height, 137.22 ft; minimum, 70,710 acre-ft, Nov. 2-4 gage height, 133.42 ft.

Capacity table (gage height in feet, and contents, in acre-feet)

(Based on data provided by New Mexico State Engineer Office in 1950)

125	53,050	135	74,350
130	63,170	140	86,590

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71370	70800	71300	e71600	e72380	74490	75810	76170	79240	79500	e77530	e72240
2	71140	70710	71300	e71580	e72370	74680	75810	76260	79410	79460	e77570	e72170
3	71120	70710	71320	e71580	e72390	e74660	75810	76500	79410	79550	e77120	e72120
4	71120	70710	71320	e71570	e72400	e74700	75810	76730	79600	79550	e76950	e72080
5	71120	70730	71350	e71580	e72410	e74740	75810	76730	79550	79190	e76710	e72030
6	71120	70730	71350	e71600	e72450	e74780	75810	77140	79480	79140	e76520	e71920
7	71020	70750	71350	e71610	e72500	e74820	75810	77120	79460	79040	e76310	e71900
8	71020	70750	71370	e71600	72560	e74860	75810	77120	79330	79070	e76310	e71980
9	71020	70750	71370	e71680	72560	75410	75810	77690	79210	78950	e76100	e71820
10	71000	70780	71390	e71700	72560	75580	75810	77840	79040	78870	e75910	e71680
11	70960	70780	71390	e71750	72520	75650	75220	78060	78990	78780	e75700	e71560
12	70910	70800	71390	e71780	72520	75620	75250	78060	78750	78680	e75480	e71560
13	70890	70800	71410	e71800	72520	75530	75290	78270	78730	e78720	e75290	e71490
14	70890	70800	71410	e71840	72520	75530	75270	78340	78730	e78700	e75080	e71440
15	70910	70980	71410	e71860	72520	75620	75200	78440	78830	e78680	e74680	e71400
16	70910	70980	e71420	e71890	72750	75620	75130	78340	78830	e78660	e74540	e71350
17	71000	71070	e71450	e71920	72840	75620	74990	78420	78830	e78640	e74420	e71280
18	71000	71070	71480	e71940	73000	75620	75030	78580	78830	e78620	e74280	e71240
19	71000	71190	71480	e72030	73000	75620	75150	78610	78830	e78600	e74140	71210
20	71020	71210	e71500	e72050	73190	75620	75100	78610	78830	e78560	e74030	71100
21	71020	71210	e71580	e72100	e73200	75860	75150	78610	78830	e78300	e73890	70940
22	70960	71230	e71560	e72120	e73320	75860	75220	78510	78830	e78000	e73890	71000
23	70980	71230	e71580	e72160	e73440	75810	75320	78510	78920	77790	e73670	70870
24	70910	71230	e71590	e72190	e73560	75810	75430	78510	78730	77690	e73460	70840
25	70890	71250	e71600	e72210	e73680	75810	75460	78510	78730	77570	e73240	70890
26	70890	71250	e71590	e72260	e73780	75810	75410	78510	78730	77410	e73030	70910
27	70890	71250	e71600	e72280	e73860	75810	75600	78510	79020	77210	e72820	70890
28	71020	71280	e71580	e72300	74490	75810	75760	78510	79070	77070	e72600	70940
29	70890	71280	e71570	e72340	---	75810	75880	78510	79190	76900	e72440	70960
30	70890	71300	e71580	e72370	---	75810	75980	78700	79240	76930	e72280	70840
31	70910	---	e71590	e72390	---	75810	---	79020	---	76680	e72240	---
MAX	71370	71300	71600	72390	74490	75860	75980	79020	79600	79550	77570	72240
MIN	70890	70710	71300	71570	72370	74490	74990	76170	78730	76680	72240	70840
(†)	133.51	133.68	---	---	135.06	135.62	135.69	136.96	137.05	135.99	---	133.48
(††)	-510	+390	+290	+800	+2100	+1320	+170	+3040	+220	-2560	-4440	-1400

CAL YR 1994 MAX 81360 MIN 69700 (†) +1780
WTR YR 1995 MAX 79600 MIN 70710 (††) -580

(†) GAGE HEIGHT, IN FEET, AT END OF MONTH
(††) CHANGE IN CONTENTS, IN ACRE-FEET

e Estimated

ARKANSAS RIVER BASIN

07206000 CIMAARRON RIVER BELOW EAGLE NEST DAM, NM

LOCATION.--Lat 36°31'55", long 105°13'43", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left bank 500 ft downstream from Eagle Nest Dam, 2.5 mi southeast of Eagle Nest, 6.7 mi west of Ute Park, and at mile 48.6.

DRAINAGE AREA.--167 mi².

PERIOD OF RECORD.--May 1950 to current year. Published as Cimarron Creek below Eagle Nest Dam, October 1952 to September 1965.

REVISED RECORDS.--WSP 1281: Drainage area.

GAGE.--Water-stage recorder. Parshall flume since May 15, 1951. Elevation of gage is 8,080 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 15, 1951, at datum 0.81 ft higher.

REMARKS.--Records good. Flow regulated by Eagle Nest Lake (station 07205500) 300 ft. upstream. Diversions for irrigation of 2,500 acres upstream from station. No flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	20	1.3	1.3	17	3.3	60	47	168	62	79	64
2	21	19	1.4	1.4	17	14	61	47	168	62	79	64
3	21	19	1.3	1.4	17	20	60	47	169	61	80	64
4	19	19	1.4	1.4	17	21	60	47	169	59	80	64
5	19	19	1.4	1.4	17	21	61	47	169	59	80	64
6	18	19	1.4	1.3	17	20	61	47	170	59	79	64
7	19	19	1.4	1.3	16	20	61	47	169	59	79	64
8	19	19	1.4	1.3	16	20	61	47	170	59	80	43
9	19	8.8	1.4	1.2	15	24	61	59	170	59	79	31
10	19	1.6	1.4	1.2	15	25	62	87	149	59	80	31
11	18	1.5	1.4	1.2	15	47	63	87	124	59	80	31
12	19	1.4	1.4	1.2	15	57	63	99	124	59	79	31
13	19	1.4	1.4	1.1	13	55	63	123	90	59	80	31
14	19	1.4	1.4	1.2	12	55	63	123	68	59	94	31
15	19	1.4	1.5	1.1	10	55	63	123	61	59	102	31
16	19	1.4	1.5	1.2	5.7	55	63	105	45	59	102	31
17	20	1.3	1.5	1.2	5.1	55	63	115	43	59	102	31
18	20	1.3	1.5	1.2	4.9	57	53	142	63	62	102	31
19	20	1.3	1.5	1.2	4.8	60	47	167	53	80	102	31
20	20	1.3	1.5	1.2	4.3	60	47	167	41	79	102	31
21	20	1.3	1.5	1.3	3.8	60	47	167	41	79	102	31
22	20	1.3	1.5	1.3	3.7	60	47	166	41	79	102	27
23	20	1.3	1.5	1.3	3.9	59	47	167	41	79	101	19
24	20	1.3	1.5	1.3	3.9	60	46	167	42	79	91	18
25	20	1.3	1.4	1.3	3.8	60	47	167	42	78	84	18
26	20	1.3	1.4	1.3	3.3	60	46	167	42	78	84	18
27	20	1.3	1.4	1.3	3.3	60	47	167	42	79	84	18
28	20	1.3	1.4	1.4	3.3	60	47	167	42	79	73	18
29	20	1.3	1.4	11	---	61	47	167	42	79	64	18
30	20	1.3	1.4	17	---	61	47	167	46	79	64	17
31	20	---	1.4	17	---	60	---	168	---	79	64	---
TOTAL	608	190.1	44.2	80.5	282.8	1405.3	1664	3610	2804	2099	2653	1065
MEAN	19.6	6.34	1.43	2.60	10.1	45.3	55.5	116	93.5	67.7	85.6	35.5
MAX	21	20	1.5	17	17	61	63	168	170	80	102	64
MIN	18	1.3	1.3	1.1	3.3	3.3	46	47	41	59	64	17
AC-FT	1210	377	88	160	561	2790	3300	7160	5560	4160	5260	2110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995 BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	15.6	5.45	.96	.87	2.43	10.2	24.0	36.4	32.6	35.6	21.2	15.4
MAX	50.3	25.9	20.4	19.1	47.0	146	171	212	112	73.3	85.6	51.3
(WY)	1976	1982	1986	1992	1992	1987	1994	1994	1994	1950	1995	1968
MIN	.16	.000	.000	.000	.000	.000	.000	.74	2.66	7.15	.74	.083
(WY)	1957	1960	1956	1956	1956	1960	1957	1957	1986	1956	1954	1981

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1950 - 1995
ANNUAL TOTAL	20314.4	16505.9	
ANNUAL MEAN	55.7	45.2	16.6
HIGHEST ANNUAL MEAN			56.5
LOWEST ANNUAL MEAN			5.85
HIGHEST DAILY MEAN	303	May 24	303
LOWEST DAILY MEAN	1.3	Nov 17	.00
ANNUAL SEVEN-DAY MINIMUM	1.3	Nov 17	.00
ANNUAL RUNOFF (AC-FT)	40290	32740	12000
10 PERCENT EXCEEDS	167	102	45
50 PERCENT EXCEEDS	20	31	6.5
90 PERCENT EXCEEDS	1.4	1.3	.00

ARKANSAS RIVER BASIN

07207000 CIMARRON RIVER NEAR CIMARRON. NM

LOCATION.--Lat 36°31'11", long 104°58'42", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank
1,200 ft downstream from Turkey Creek Canyon, 3.6 mi west of Cimarron, and at mile 31.6.
DRAINAGE AREA.--294 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1950 to current year. Published as Cimarron Creek near Cimarron, October 1952 to September 1965.

REVISED RECORDS.--WSP 1281: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Nov. 6, 1963. Datum of gage is 6,599.58 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Flow regulated by Eagle Nest Lake (station 07205500). Diversions upstream from station for irrigation of about 3,500 acres, part of which is downstream from station. Philmont ditch (formerly known as Cimarroncito ditch) diverts from left bank 1.5 mi upstream from station, siphons under river 0.9 mi upstream and bypasses station for off-channel storage and irrigation downstream; Raton diversion pipeline 300 ft upstream from station for City of Raton Water Supply started June, 1983. See tabulation below for monthly diversions. No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	21	33	e8.7	15	7.5	61	81	287	106	79	64
2	28	21	e11	12	13	11	60	78	286	87	75	63
3	26	21	e9.0	12	13	28	59	80	361	84	72	63
4	22	22	e8.7	e11	14	24	58	78	320	82	74	61
5	21	26	e8.0	19	13	25	58	84	290	81	73	61
6	22	27	e7.2	20	16	26	58	84	267	81	74	63
7	22	27	e7.9	17	16	26	58	78	256	78	75	73
8	23	26	9.4	18	18	27	59	75	245	75	75	75
9	23	26	9.3	e10	17	28	61	73	186	72	75	46
10	22	23	e14	e10	17	32	63	103	172	69	75	46
11	22	17	32	e8.0	17	39	63	108	145	68	76	40
12	21	15	44	e7.0	19	60	65	112	139	69	76	38
13	21	14	48	e8.5	25	59	65	147	128	71	74	37
14	21	14	38	e8.8	20	59	63	174	105	74	80	36
15	23	13	28	e8.2	19	60	64	176	105	73	90	36
16	23	12	49	e7.0	14	60	64	172	89	73	89	35
17	25	11	48	e8.0	11	60	64	185	117	72	89	35
18	25	11	e20	11	10	60	59	195	154	74	90	35
19	24	e9.5	e9.4	17	10	65	52	237	118	86	91	34
20	23	e8.7	17	28	9.7	67	51	237	96	87	93	34
21	23	e8.5	17	33	9.7	70	50	244	88	86	93	34
22	23	e8.8	16	18	9.9	70	51	241	83	85	95	34
23	23	e8.3	e9.0	16	8.3	71	52	240	80	84	95	26
24	24	e7.9	e8.2	17	6.9	70	53	256	76	83	93	24
25	24	e8.2	e8.5	e9.4	8.0	70	56	248	74	83	84	28
26	24	e8.9	e9.4	e7.0	9.0	69	62	240	72	82	90	23
27	23	10	e8.5	e7.9	8.1	67	67	230	69	82	85	21
28	22	12	e8.7	e7.4	6.8	67	70	233	65	81	80	22
29	20	e13	14	e6.6	---	66	77	392	64	79	68	23
30	20	36	15	e7.8	---	64	80	307	91	79	68	21
31	20	---	e8.0	20	---	62	---	291	---	80	66	---
TOTAL	711	486.8	573.2	399.3	373.4	1569.5	1823	5479	4628	2466	2512	1231
MEAN	22.9	16.2	18.5	12.9	13.3	50.6	60.8	177	154	79.5	81.0	41.0
MAX	28	36	49	33	25	71	80	392	361	106	95	75
MIN	20	7.9	7.2	6.6	6.8	7.5	50	73	64	68	66	21
AC-FT	1410	966	1140	792	741	3110	3620	10870	9180	4890	4980	2440
(↑)	170	0	0	0	0	0	0	0	0	0	201	0
(↑↑)	206	0	0	0	288	97	0	0	0	0	0	0

CAL YR 1994	AC-FT	(†) 428	(††) 534
WTR YR 1995	AC-FT	(†) 371	(††) 591

(†) DIVERSION, IN ACRE-FEET, BY PHILMONT DITCH, DATA PROVIDED BY CIMARRON RIVER WATERMASTER

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

MEAN	17.9	10.4	5.06	4.20	5.23	13.4	36.7	67.0	50.8	37.6	26.8	18.3
MAX	44.9	26.7	18.5	18.5	43.7	149	237	329	158	79.5	81.0	50.4
(WY)	1976	1982	1995	1992	1992	1987	1994	1994	1994	1995	1995	1968
MIN	.14	1.80	1.32	1.13	1.17	1.65	2.70	23.5	8.55	6.13	1.95	.12
(WY)	1957	1993	1957	1957	1988	1955	1955	1957	1956	1956	1954	1956
SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR					FOR 1995 WATER YEAR				WATER YEARS 1950 - 1995		
ANNUAL TOTAL	29865.1					22252.2						
ANNUAL MEAN	81.8					61.0				24.4		
HIGHEST ANNUAL MEAN										80.7		1994
LOWEST ANNUAL MEAN										9.09		1956
HIGHEST DAILY MEAN	450 May 19					392 May 29				1240 Jun 17		1965
LOWEST DAILY MEAN	3.0 Mar 14					6.6 Jan 29				.00 Sep 14		1956
ANNUAL SEVEN-DAY MINIMUM	3.7 Mar 9					7.8 Feb 23				.00 Sep 14		1956
INSTANTANEOUS PEAK FLOW						892 Jun 3				b15500 Jun 17		1965
INSTANTANEOUS PEAK STAGE						4.32 Jun 3				a12.42 Jun 17		1965
INSTANTANEOUS LOW FLOW										.00 Sep 14		1956
ANNUAL RUNOFF (AC-FT)	59240					44140				17650		
10 PERCENT EXCEEDS	264					110				56		
50 PERCENT EXCEEDS	31					48				14		
90 PERCENT EXCEEDS	5.8					9.0				2.7		

e Estimated

a-From floodmarks.

b-From rating curve extended above 800 ft³/s on basis of slope-area measurements at gage heights 4.88 ft and 12.42 ft.

[illegible]

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

ARKANSAS RIVER BASIN

07207500 PONIL CREEK NEAR CIMARRON, NM

LOCATION.--Lat 36°34'25", long 104°56'46", Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on left bank 1.6 mi downstream from confluence of North and South Ponil Creeks, and 4.7 mi northwest of Cimarron.

DRAINAGE AREA.--171 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1915 to June 1919, August 1919 to July 1925, September 1925, September 1927 to July 1929, May 1950 to current year. Prior to May 1950 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: Drainage area. WSP 1731: 1920.

GAGE.--Water-stage recorder. Elevation of gage is 6,630 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to May 8, 1922, at site 0.1 mi downstream at different datum. May 8, 1922 to Aug. 8, 1929, at site 0.4 mi upstream at different datum.

REMARKS.--Water-discharge records good. Diversions for irrigation of about 250 acres upstream from station. Diversion 1,000 ft downstream from station for irrigation of about 300 acres. No flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge for flood of Aug. 8, 1929, which destroyed gage, was estimated as 5,200 ft³/s by New Mexico State Engineer.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	5.9	5.7	4.0	4.0	4.6	13	89	150	32	11	12
2	5.8	5.8	6.0	4.2	3.5	4.6	13	88	144	23	7.5	10
3	5.6	5.9	6.0	4.2	3.3	5.6	13	87	140	19	6.0	10
4	5.6	6.6	6.1	4.8	3.3	4.9	13	77	113	17	5.4	9.8
5	5.7	6.1	4.7	5.2	3.5	4.7	14	77	99	16	5.4	8.8
6	7.2	5.8	4.9	4.8	3.5	5.0	16	80	89	15	4.8	8.2
7	8.0	5.7	4.7	4.5	3.3	4.6	18	72	80	14	4.5	11
8	9.4	5.6	4.8	4.7	3.2	4.7	19	65	72	14	4.2	21
9	8.6	5.7	4.6	3.7	3.6	5.1	21	57	63	13	7.5	20
10	7.8	5.5	3.4	4.3	3.4	5.1	22	52	57	11	12	31
11	7.1	5.4	4.2	4.7	2.6	5.6	22	52	52	10	6.4	23
12	6.7	6.2	4.7	4.0	3.3	6.3	22	53	46	9.2	6.7	19
13	6.4	8.1	4.8	3.9	4.1	6.4	24	54	42	8.7	6.3	16
14	6.5	6.6	4.2	4.5	4.3	6.6	25	55	39	9.6	6.1	14
15	9.3	6.3	4.1	4.9	4.3	6.9	26	58	37	11	8.7	13
16	9.2	6.0	4.3	3.3	3.9	7.5	26	67	36	14	6.2	12
17	10	6.8	4.5	3.4	3.6	8.1	26	75	47	16	5.4	11
18	9.7	5.4	4.3	2.9	3.7	8.8	24	73	59	19	5.2	10
19	8.4	6.1	4.3	3.5	3.6	9.6	27	68	39	19	5.2	9.9
20	8.0	6.0	4.3	4.0	3.7	11	25	59	34	13	5.2	9.6
21	7.7	9.0	4.3	3.9	3.7	12	25	57	30	12	5.4	9.2
22	7.4	7.6	4.3	3.4	4.0	14	24	58	27	10	5.7	9.7
23	7.3	6.1	4.4	3.7	4.1	14	25	60	25	9.0	11	9.0
24	7.1	8.0	4.3	4.4	4.1	14	27	61	25	8.2	11	9.0
25	7.1	8.7	4.2	4.2	4.3	14	29	58	26	7.4	14	16
26	6.9	5.9	4.6	4.1	4.6	12	40	55	24	6.8	21	14
27	6.7	5.3	4.9	4.2	4.8	13	51	50	23	6.1	19	12
28	6.4	4.5	5.2	3.6	4.8	14	60	50	21	5.5	22	11
29	6.2	4.6	5.6	3.5	---	11	79	130	22	5.2	18	11
30	6.2	5.9	4.2	3.3	---	12	89	174	34	5.2	15	11
31	6.2	---	4.2	4.3	---	13	---	166	---	8.9	15	---
TOTAL	225.9	187.1	144.8	126.1	106.1	268.7	858	2277	1695	387.8	286.8	391.2
MEAN	7.29	6.24	4.67	4.07	3.72	8.67	28.6	72.5	56.5	12.5	9.25	13.0
MAX	10	9.0	6.1	5.2	4.8	14	89	174	150	32	22	31
MIN	5.6	4.5	3.4	2.9	2.6	4.6	13	50	21	5.2	4.2	8.2
AC-FT	448	371	287	250	210	533	1700	4520	3360	769	569	776

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1916	3.72	23.2	1961	.000	1952
1917	3.33	12.3	1920	.000	1952
1918	2.40	8.80	1920	.13	1957
1919	2.13	8.04	1920	.029	1957
1920	2.30	7.35	1987	.14	1957
1921	5.13	25.5	1924	.33	1955
1922	25.7	126	1924	1.94	1925
1923	47.5	196	1924	.97	1963
1924	19.2	122	1979	.18	1963
1925	7.42	31.9	1921	.003	1964
1926	15.1	159	1991	.31	1974
1927	5.64	51.7	1991	.000	1951

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1916 - 1995
ANNUAL TOTAL	10633.4	6954.5	
ANNUAL MEAN	29.1	19.1	11.8
HIGHEST ANNUAL MEAN			34.5
LOWEST ANNUAL MEAN			1.38
HIGHEST DAILY MEAN	424	174	819
LOWEST DAILY MEAN	1.0	2.6	.00
ANNUAL SEVEN-DAY MINIMUM	1.6	3.3	.00
INSTANTANEOUS PEAK FLOW		260	a5630
INSTANTANEOUS PEAK STAGE		3.84	11.13
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	21090	13790	8540
10 PERCENT EXCEEDS	87	57	29
50 PERCENT EXCEEDS	7.7	8.1	3.1
90 PERCENT EXCEEDS	2.5	4.1	.40

a-From rating curve extended above 230 ft³/s on basis of slope-area measurements at gage heights 3.56 ft, 5.80 ft, 7.15 ft and 11.13 ft.

ARKANSAS RIVER BASIN

07207500 PONIL CREEK NEAR CIMARRON, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED OF (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 1994									
08...	1300	5.1	314	9.0	1.5	2.0	600	11.3	105
JAN 1995									
12...	1523	3.3	298	8.8	7.0	2.5	600	10.8	101
MAR									
08...	1330	4.3	282	8.8	11.0	6.0	620	10.5	104
MAY									
10...	1310	52	151	7.5	20.0	11.0	596	9.2	107
JUN									
06...	1100	93	152	8.4	27.0	11.0	590	8.5	100
AUG									
08...	1912	4.1	289	8.5	25.0	24.5	596	6.7	103

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC 1994									
08...	130	35	10	15	0.6	0.90	133	23	3.7
JAN 1995									
12...	--	--	--	--	--	--	--	--	--
MAR									
08...	120	33	8.8	13	0.5	0.90	119	46	0.80
MAY									
10...	62	17	4.7	5.7	0.3	0.90	61	4.2	0.70
JUN									
06...	65	18	4.9	6.0	0.3	0.70	63	10	1.3
AUG									
08...	--	--	--	--	--	--	--	--	--

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 1994								
08...	0.20	9.1	177	30	29	17	0.23	64
JAN 1995								
12...	--	--	--	--	--	5	0.04	93
MAR								
08...	0.20	8.5	183	20	10	12	0.14	64
MAY								
10...	0.20	9.3	80	<10	790	60	8.4	62
JUN								
06...	0.20	9.8	89	<10	150	94	24	70
AUG								
08...	--	--	--	--	--	8	0.09	96

LOCATION.--Lat 36°22'20", long 104°58'10". Colfax County, Hydrologic Unit 11080002, in Maxwell Grant, on right bank at Sauble Ranch (Carson-Maxwell Base Camp of Philmont Scout Ranch), 2.5 mi upstream from State Highway 21, 4.0 mi downstream from Bonito Creek, and 9.8 mi southwest of Cimarron.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1909 to February 1910, June to August 1910, May 1911 to May 1913, July 1913 to February 1915, October 1915 to September 1918, March 1919 to September 1920, June 1923 to September 1924, March to May 1927, August 1927 to current year. Monthly discharge only for some periods, published in WSP 1311. Records for April and May 1910, published in WSP 287, are unreliable and should not be used. Published as Rayado River "at," "near," or "above" Abreu's Ranch near Cimarron prior to October 1925 and as Rayado River at Seuble Ranch, near Cimarron. October 1925 to September 1952.

REVISED RECORDS.--WSP 1281: 1914, 1934-35(M), 1937(M), 1941(P), 1942(M), 1944(M), drainage area

GAGE.--Water-stage recorder. Concrete control since Oct. 13, 1976. Elevation of gage is 6,720 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1921 for history of changes prior to Oct. 1, 1954. Oct. 1, 1954 to June 16, 1965, at site 270 ft downstream at datum 2.79 ft lower.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. No diversion upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The major flood of June 10, 1913, destroyed the gage (stage and discharge not determined). Another major flood probably occurred Sept. 29 or 30, 1904.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	7.2	9.3	e6.0	5.0	13	14	70	201	90	16	15
2	8.1	7.0	8.2	e6.2	5.1	12	14	67	178	76	15	13
3	8.0	8.4	7.5	e6.5	4.9	10	13	67	189	67	14	14
4	8.1	8.9	7.2	e6.5	5.4	9.3	13	64	168	61	14	14
5	8.0	7.7	7.3	e6.3	5.1	8.9	12	70	132	56	14	12
6	10	8.4	8.0	6.1	5.0	9.7	14	98	120	53	13	12
7	9.6	8.7	7.2	e6.5	5.1	9.3	15	95	111	50	13	19
8	11	8.7	7.1	5.4	5.2	9.3	16	85	101	45	12	51
9	11	8.5	5.4	5.3	5.0	8.8	18	89	90	42	12	32
10	9.8	8.0	e8.0	5.2	4.6	8.8	19	96	80	38	12	29
11	9.0	8.6	7.7	5.0	2.5	12	19	95	74	35	13	22
12	8.7	16	8.8	4.9	6.2	16	19	93	65	32	14	20
13	8.3	18	e7.5	4.8	5.5	14	21	89	60	30	11	19
14	8.3	12	6.5	5.0	5.4	14	21	84	57	32	11	18
15	11	12	e7.0	5.1	5.7	14	20	85	53	32	11	19
16	12	11	e8.0	6.4	5.3	14	20	94	51	33	10	16
17	21	9.5	7.9	e6.0	4.9	15	20	98	68	34	9.5	15
18	14	8.4	e8.5	e5.8	5.2	16	18	92	357	34	8.9	14
19	13	11	6.2	e6.2	5.2	18	18	84	173	28	9.7	13
20	13	8.8	e6.0	e5.7	5.6	20	18	73	135	26	11	13
21	13	9.9	e5.8	5.4	6.3	22	18	70	111	24	10	12
22	13	9.5	5.7	e6.0	6.7	25	17	73	92	22	11	12
23	12	7.5	5.7	e6.0	7.2	23	17	78	79	21	11	11
24	11	9.0	5.8	e5.5	8.6	22	18	89	78	19	11	11
25	11	8.5	e6.0	e5.0	13	20	20	79	81	18	21	13
26	9.6	8.2	e6.0	4.9	16	17	26	72	68	17	30	11
27	9.1	9.8	5.8	4.8	17	16	33	68	58	16	36	9.7
28	8.6	e9.0	5.4	e5.0	15	16	42	69	55	16	29	10
29	8.3	e8.0	e6.0	5.4	---	14	68	128	60	15	22	11
30	8.0	7.9	5.7	e5.5	---	12	74	186	104	16	19	11
31	7.7	---	5.5	5.1	---	15	---	256	---	17	17	---
TOTAL	321.4	284.1	212.7	173.5	191.7	454.1	675	2856	3249	1095	461.1	491.7
MEAN	10.4	9.47	6.86	5.60	6.85	14.6	22.5	92.1	108	35.3	14.9	16.4
MAX	21	16	9.3	6.5	17	25	74	256	357	90	36	51
MIN	7.7	7.0	5.4	4.8	2.5	8.8	12	64	51	15	8.9	9.7
AC-FT	637	564	422	344	380	901	1340	5660	6440	2170	915	975

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1995, BY WATER YEAR (WY)

MEAN	5.83	4.97	3.92	3.57	4.01	7.67	31.3	52.8	23.3	10.4	11.6	7.32
MAX	30.4	20.0	12.4	8.01	8.68	23.7	144	287	231	54.7	71.5	33.0
(WY)	1942	1942	1987	1942	1987	1939	1987	1941	1965	1969	1965	1991
MIN	1.23	1.40	1.27	1.58	1.95	2.98	5.20	3.65	1.79	1.42	2.10	.88
(WY)	1957	1957	1957	1957	1951	1951	1956	1967	1956	1956	1956	1956

SUMMARY STATISTICS

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1912 - 1995	
ANNUAL TOTAL	11839.3		10465.3			
ANNUAL MEAN	32.4		28.7		13.9	
HIGHEST ANNUAL MEAN					41.6	1965
LOWEST ANNUAL MEAN					2.83	1956
HIGHEST DAILY MEAN	341	May 19	357	Jun 18	2000	Jun 18 1965
LOWEST DAILY MEAN	3.0	Feb 17	2.5	Feb 11	.40	Nov 16 1956
ANNUAL SEVEN-DAY MINIMUM	3.4	Feb 17	4.6	Feb 5	.67	Sep 15 1956
INSTANTANEOUS PEAK FLOW			666	Jun 18	b9000	Jun 17 1965
INSTANTANEOUS PEAK STAGE			4.86	Jun 18	a11.50	Jun 17 1965
INSTANTANEOUS LOW FLOW			1.3	Nov 28	c.03	Dec 3 1950
ANNUAL RUNOFF (AC-FT)	23480		20760		10070	
10 PERCENT EXCEEDS	105		79		30	
50 PERCENT EXCEEDS	12		13		5.4	
90 PERCENT EXCEEDS	4.4		5.5		2.6	

e Estimated

a-From floodmarks.

b-From rating curve extended above 70 ft³/s on basis of field estimate of peak flow.

c-Also may have been less during periods of ice effect.

ARKANSAS RIVER BASIN

07208500 RAYADO CREEK AT SAUBLE RANCH, NEAR CIMARRON, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 1994									
08...	1000	7.0	139	8.5	3.0	1.0	600	11.3	101
JAN 1995									
12...	1122	4.9	149	8.7	7.0	2.0	600	10.9	100
MAR									
08...	1600	18	130	6.6	10.5	4.0	600	10.0	97
MAY									
10...	1020	92	84	9.0	13.0	7.5	596	10.8	115
JUN									
07...	1030	116	71	8.2	22.5	9.0	595	9.4	104
AUG									
10...	1000	12	149	8.7	21.5	17.5	596	7.5	100

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC 1994									
08...	56	14	5.0	5.0	0.3	1.1	61	6.3	1.0
JAN 1995									
12...	--	--	--	--	--	--	--	--	--
MAR									
08...	55	14	4.9	4.4	0.3	1.3	59	5.4	1.4
MAY									
10...	33	8.6	2.7	3.3	0.3	1.0	36	3.9	0.70
JUN									
07...	30	8.2	2.4	3.1	0.2	0.80	32	4.6	0.80
AUG									
10...	--	--	--	--	--	--	--	--	--

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 1994								
08...	0.20	19	88	<10	66	10	0.19	61
JAN 1995								
12...	--	--	--	--	--	9	0.12	50
MAR								
08...	0.20	17	84	<10	65	27	1.3	81
MAY								
10...	0.20	15	57	<10	480	40	9.9	60
JUN								
07...	0.30	15	55	10	220	26	8.1	50
AUG								
10...	--	--	--	--	--	3	0.10	100

b-From rating curve extended above 1,800 ft³/s on basis of contracted-opening measurement of peak flow.

ARKANSAS RIVER BASIN

07211500 CANADIAN RIVER NEAR TAYLOR SPRINGS, NM

LOCATION.--Lat 36°17'49", long 104°29'36", in NW¼ sec.21, T.24 N., R.23 E., Colfax County, Hydrologic Unit 11080003, on left bank at head of gorge, 2.0 mi south of Taylor Springs, 2.3 mi downstream from Cimarron River, 2.4 mi upstream from Chico Creek, 7.1 mi southeast of Springer, and at mile 847.9.

DRAINAGE AREA.--2,850 mi².

PERIOD OF RECORD.--January 1940 to September 1958, and annual maximum, water years 1959-63. June 1964 to current year. Water-year estimate for 1940, published in WSP 1311.

REVISED RECORDS.--WSP 1177: Drainage area. WSP 1281: 1941-42(P), 1945-47(M), 1948-50(P).

GAGE.--Water-stage recorder. Elevation of gage is 5,640 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 10, 1964, water-stage recorder at site 1.7 mi downstream at different datum; operated as crest-stage gage at that site and datum during water years 1959-64.

REMARKS.--Records good except for estimated daily discharges which are poor. Diversions for irrigation of about 30,000 acres upstream from station. Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood prior to 1965 occurred Sept. 29, 1904, discharge published as 91,100 ft³/s in WSP 842, 847.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	40	e48	46	49	43	39	243	1960	2030	89	43
2	20	40	e53	40	48	40	36	224	1380	1420	56	31
3	25	26	e51	26	46	48	32	220	1380	805	39	26
4	23	26	e50	44	44	57	29	186	1590	599	34	37
5	e26	43	e50	48	43	54	27	158	1280	516	39	36
6	e22	60	49	50	42	52	26	335	1020	431	41	31
7	e21	63	46	47	41	52	23	714	893	376	47	27
8	e23	64	45	61	37	53	24	484	814	333	45	97
9	e28	63	43	50	37	57	25	324	717	305	37	327
10	e32	63	34	50	37	58	33	271	655	279	28	333
11	e27	56	34	47	33	60	35	277	588	201	46	695
12	e25	65	34	45	32	67	36	226	509	153	45	156
13	e28	76	46	40	47	88	33	208	427	137	44	118
14	e43	69	42	38	56	84	27	262	358	105	44	108
15	e63	61	40	41	51	76	24	258	315	80	98	112
16	e80	57	40	45	48	79	24	248	302	65	77	105
17	e48	53	44	35	41	82	24	211	290	86	55	97
18	e69	51	45	31	37	84	33	251	1290	90	48	96
19	e74	51	47	30	37	80	36	216	2970	163	50	98
20	e68	52	45	34	40	90	44	214	1500	193	51	87
21	e63	54	43	42	38	90	61	227	867	120	46	83
22	e60	51	47	39	36	77	84	233	676	87	44	81
23	e50	53	47	31	36	75	98	220	526	69	38	82
24	e46	47	52	32	36	83	107	251	561	70	35	77
25	e41	48	45	37	36	70	124	346	588	60	35	95
26	e40	48	44	45	35	62	119	290	630	54	63	111
27	36	45	42	43	36	43	131	289	544	46	66	88
28	36	37	42	42	42	42	148	276	428	37	66	77
29	33	36	43	41	---	47	188	1180	408	34	61	79
30	31	e32	42	35	---	46	225	8770	1040	35	55	76
31	37	---	43	38	---	47	---	3840	---	74	48	---
TOTAL	1240	1530	1376	1273	1141	1986	1895	21452	26506	9053	1570	3509
MEAN	40.0	51.0	44.4	41.1	40.7	64.1	63.2	692	884	292	50.6	117
MAX	80	76	53	61	56	90	225	8770	2970	2030	98	695
MIN	20	26	34	26	32	40	23	158	290	34	28	26
AC-FT	2460	3030	2730	2520	2260	3940	3760	42550	52570	17960	3110	6960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1940	38.8	451	1942	.000	1957
1941	22.7	192	1942	.93	1957
1942	20.1	105	1943	1.06	1957
1943	20.8	121	1943	1.23	1957
1944	25.3	186	1948	1.04	1957
1945	27.8	337	1987	1.97	1957
1946	130	2853	1942	1.40	1954
1947	248	2174	1941	3.58	1976
1948	148	2313	1965	2.67	1964
1949	94.7	509	1947	1.55	1974
1950	120	563	1981	4.72	1975
1951	81.2	1354	1942	.000	1956

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1940 - 1995
ANNUAL TOTAL	65522.8	72531	
ANNUAL MEAN	180	199	82.4
HIGHEST ANNUAL MEAN			564
LOWEST ANNUAL MEAN			7.60
HIGHEST DAILY MEAN	1770	8770	43000
LOWEST DAILY MEAN	9.8	20	.00
ANNUAL SEVEN-DAY MINIMUM	13	23	.00
INSTANTANEOUS PEAK FLOW		12200	b162000
INSTANTANEOUS PEAK STAGE		12.13	a47.40
ANNUAL RUNOFF (AC-FT)	130000	143900	59690
10 PERCENT EXCEEDS	558	427	130
50 PERCENT EXCEEDS	50	51	15
90 PERCENT EXCEEDS	25	32	2.8

e Estimated

a-From floodmarks.

b-From rating curve extended above 7,000 ft³/s on basis of slope-area measurement of peak flow.

ARKANSAS RIVER BASIN

07215500 MORA RIVER AT LA CUEVA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
DEC 1994									
01...	1130	17	533	8.4	16.0	3.5	590	10.7	104
FEB 1995									
02...	0930	21	548	8.0	16.5	5.5	--	9.7	--
APR									
11...	1300	13	476	7.9	7.0	9.5	580	8.4	97
MAY									
10...	1600	50	421	7.9	17.0	14.0	600	8.0	99
JUN									
14...	1330	165	335	7.8	31.0	13.0	590	8.4	103
AUG									
16...	1230	21	469	7.9	27.5	17.0	590	7.7	104

DATE	HARD- NESS TOTAL (MG/L AS CAO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CAO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC 1994									
01...	270	80	16	12	0.3	1.0	193	73	5.0
FEB 1995									
02...	--	--	--	--	--	--	--	--	--
APR									
11...	250	74	15	12	0.3	1.0	190	72	5.1
MAY									
10...	210	63	13	7.4	0.2	0.90	161	63	2.9
JUN									
14...	170	52	9.9	5.1	0.2	0.90	130	42	2.2
AUG									
16...	--	--	--	--	--	--	--	--	--

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 1994								
01...	0.50	9.5	313	50	6	32	1.5	64
FEB 1995								
02...	--	--	--	--	--	32	1.8	70
APR								
11...	0.50	8.5	302	30	13	42	1.5	79
MAY								
10...	0.30	8.3	255	20	13	143	19	86
JUN								
14...	0.20	7.1	197	30	30	107	48	76
AUG								
16...	--	--	--	--	--	23	1.3	66

ARKANSAS RIVER BASIN

07221000 MORA RIVER NEAR SHOEMAKER, NM

LOCATION.--Lat 35°48'01", long 104°46'58", Mora County, Hydrologic Unit 11080004, in Mora Grant, on left bank 5.5 mi east of Shoemaker, 12.3 mi upstream from Pedros Creek, and at mile 39.4.

DRAINAGE AREA.--1,104 mi², of which 71 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1914 to July 1915, October 1915 to August 1918, May 1919 to July 1924, September to November 1924, March to July 1925, June 1927 to current year. Prior to October 1930 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1281: 1931(M), 1933-1934(M), 1937(M), 1938(P), 1939-40(M), 1941-42(F). WSP 1731: 1921, 1928, 1951(M). WRD NM-75-1: 1974. WRD NM-78-1: 1977.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 10, 1934, at site 2,000 ft upstream at different datum.

REMARKS.--Records good. Diversions for irrigation of about 26,000 acres upstream from station. Off-channel lakes make it possible to divert and store water during non-irrigation season. Several observations of water temperature were made during the year. No flow at times some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of Sept. 29, 1904, and June 11, 1913, probably exceeded 30,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	66	61	53	53	38	12	155	708	454	38	57
2	36	60	66	47	55	44	6.2	144	630	384	36	48
3	35	59	64	50	48	46	16	127	572	325	30	41
4	33	69	60	77	46	37	12	128	532	292	25	40
5	29	70	60	80	46	31	17	124	470	268	23	29
6	29	67	61	88	46	29	20	141	404	228	29	20
7	27	61	59	71	43	26	12	159	372	202	28	22
8	28	57	61	59	39	22	7.6	146	346	200	18	47
9	30	55	60	61	35	9.8	7.7	120	309	166	18	118
10	33	60	57	60	36	12	10	117	281	138	17	95
11	35	54	64	57	36	6.4	11	126	253	108	16	175
12	35	65	60	56	43	5.2	14	153	206	83	9.4	98
13	35	150	58	56	39	6.6	14	156	179	77	9.0	82
14	37	128	57	55	40	8.6	10	153	172	72	6.7	86
15	95	96	57	56	40	6.8	9.8	157	174	71	7.1	83
16	124	85	57	61	41	12	10	136	169	80	9.8	88
17	134	75	56	62	42	15	13	157	187	73	10	86
18	191	69	59	61	29	16	8.9	173	1050	117	17	81
19	129	64	56	57	26	15	10	163	2620	133	15	68
20	114	64	58	65	25	20	20	130	1600	135	17	75
21	100	61	54	56	27	20	22	124	1000	110	29	67
22	93	55	55	62	31	18	28	127	739	102	19	67
23	87	56	55	62	44	15	58	136	578	90	29	70
24	87	56	55	55	40	13	60	153	481	80	29	68
25	89	55	56	62	39	13	105	220	438	67	26	88
26	83	55	54	60	41	5.9	117	209	427	59	25	87
27	70	52	54	59	41	5.3	133	178	383	54	31	78
28	65	52	55	55	38	7.3	146	161	333	49	42	65
29	65	52	55	56	---	19	148	287	320	43	47	61
30	68	52	54	60	---	20	155	1200	425	41	55	55
31	68	---	55	56	---	20	---	878	---	44	54	---
TOTAL	2121	2020	1793	1875	1109	562.9	1213.2	6538	16358	4345	765.0	2145
MEAN	68.4	67.3	57.8	60.5	39.6	18.2	40.4	211	545	140	24.7	71.5
MAX	191	150	66	88	55	46	155	1200	2620	454	55	175
MIN	27	52	54	47	25	5.2	6.2	117	169	41	6.7	20
AC-FT	4210	4010	3560	3720	2200	1120	2410	12970	32450	8620	1520	4250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1995, BY WATER YEAR (WY)

	MEAN	38.4	30.2	28.6	28.5	24.3	25.6	73.9	132	109	60.3	93.8	62.4
MAX	326	212	134	94.3	126	318	842	1437	937	700	587	404	
(WY)	1942	1942	1924	1924	1987	1987	1942	1941	1921	1921	1961	1991	
MIN	.000	.33	.64	.98	.75	.58	.34	1.63	.40	.29	.094	.020	
(WY)	1957	1957	1957	1957	1957	1955	1955	1954	1954	1974	1964	1954	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1920 - 1995
ANNUAL TOTAL	52931.4	40845.1	
ANNUAL MEAN	145	112	59.3
HIGHEST ANNUAL MEAN			302
LOWEST ANNUAL MEAN			2.65
HIGHEST DAILY MEAN	2610	2620	6320
LOWEST DAILY MEAN	4.0	5.2	.00
ANNUAL SEVEN-DAY MINIMUM	6.4	7.9	.00
INSTANTANEOUS PEAK FLOW		3090	a15000
INSTANTANEOUS PEAK STAGE		6.87	12.79
INSTANTANEOUS LOW FLOW		4.4	
ANNUAL RUNOFF (AC-FT)	105000	81020	42940
10 PERCENT EXCEEDS	300	204	124
50 PERCENT EXCEEDS	59	57	16
90 PERCENT EXCEEDS	13	15	1.8

a-From rating curve extended above 2,800 ft³/s on basis of slope-area measurements at gage heights 10.09 ft and 12.79 ft.

ARKANSAS RIVER BASIN
07221500 CANADIAN RIVER NEAR SANCHEZ, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 1994												
15...	1500	235	793	8.6	7.5	8.0	29	656	10.5	103	11	K25
MAY 1995												
24...	1530	336	773	8.3	16.5	18.5	180	650	8.2	103	37	67
JUL												
12...	1600	394	736	8.4	26.0	25.5	57	652	7.7	111	18	K29
AUG												
09...	1440	50	1130	8.2	38.0	28.0	18	649	6.6	100	12	K14

DATE	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
NOV 1994											
15...	K34	350	150	79	36	56	1	2.3	190	22	192
MAY 1995											
24...	K50	260	100	64	23	37	1	1.9	184	0	151
JUL											
12...	K9	280	110	67	26	49	1	2.4	178	11	164
AUG											
09...	42	400	240	82	47	91	2	3.4	199	0	163

DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 1994											
15...	182	270	13	0.40	10	594	583	0.010	<0.050	<0.015	<0.20
MAY 1995											
24...	153	150	8.1	0.40	9.9	396	386	<0.010	0.130	0.030	0.40
JUL											
12...	167	200	9.0	0.40	12	502	465	<0.010	0.060	<0.015	0.50
AUG											
09...	164	390	17	0.40	10	634	740	<0.010	<0.050	0.020	0.40

DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)
NOV 1994											
15...	0.030	<0.010	<0.010	5.0	<10	68	<3	4	29	<1	<10
MAY 1995											
24...	0.070	0.060	0.080	10	<10	70	<3	9	14	<1	10
JUL											
12...	0.080	<0.010	<0.010	4.8	20	63	<3	<3	<4	4	<10
AUG											
09...	0.030	0.010	0.020	5.5	20	140	<3	3	32	7	<10

ARKANSAS RIVER BASIN

07221500 CANADIAN RIVER NEAR SANCHEZ, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
NOV 1994											
15...	<1	<1	<1.0	950	<6	<2.0	3.0	20	45	3	<1
MAY 1995											
24...	2	<1	<1.0	650	<6	--	--	--	--	--	--
JUL											
12...	1	<2	<1.0	780	<6	--	--	--	--	--	--
AUG											
09...	2	<1	<1.0	1200	<6	--	--	--	--	--	--
DATE	CHRO- MIUM, REC OV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, REC OV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY REC OV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	SEDI- MENT, SUS- PENDE D (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE D (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
15...	2	<5	4	4200	<10	560	<0.01	10	121	77	96
MAY 1995											
24...	--	--	--	--	--	--	--	--	1760	1600	100
JUL											
12...	--	--	--	--	--	--	--	--	149	159	98
AUG											
09...	--	--	--	--	--	--	--	--	72	9.7	94

ARKANSAS RIVER BASIN

07222500 CONCHAS RIVER AT VARIADERO, NM

LOCATION.--Lat 35°24'10", long 104°26'35", in NE¼ sec.36, T.14 N., R.23 E., San Miguel County, Hydrologic Unit 11080005, on left bank 1.5 mi northeast of Variadero, 14 mi west of Conchas Dam, and at mile 15.0.

DRAINAGE AREA.--523 mi², of which 130 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1936 to current year.

REVISED RECORDS.--WSP 1281: 1937-39, 1941-47.

GAGE.--Water-stage recorder. Elevation of gage is 4,390 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 30, 1942, at site 1.5 mi upstream at different datum. Mar. 30, 1942 to May 18, 1950, at present site at datum 0.5 ft higher.

REMARKS.--Records fair except for estimated daily discharge which are poor. Diversions for irrigation of about 300 acres upstream from station. Several observations of water temperature were made during the year. No flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.02	.03	.03	.03	.01	.00	.63	e.00	8.5	4.0
2	.00	.00	.01	.03	.03	.04	.02	.00	.13	e.00	.54	1.1
3	.00	.00	.01	.02	.03	.04	.03	.00	.05	e.00	.14	.29
4	.00	.00	.02	.02	.03	.04	.03	.00	.01	e.00	.06	.09
5	.00	.00	.02	.02	.03	.03	.03	.00	.00	e.00	.07	.04
6	.00	.00	.04	.03	.03	.03	.02	.00	.00	e.00	.02	.01
7	.00	.00	.03	.02	.03	.03	.01	.00	.00	e.00	.00	.00
8	.00	.00	.02	.02	.03	.03	.00	.00	.00	e.00	.14	461
9	.00	.00	.02	.02	.02	.02	.00	.00	.00	e.00	.66	1640
10	.00	.00	.02	.03	.00	.01	.00	.00	.00	e.00	.17	900
11	.00	.00	.02	.03	.00	.00	.00	.00	.00	e.00	.05	32
12	.00	.03	.02	.02	.02	.00	.00	.00	.00	e.00	.01	9.4
13	.00	.03	.02	.02	.03	.00	.00	.00	.00	e.00	.00	4.1
14	.00	.02	.02	.02	.04	.00	.00	.00	.00	.00	18	2.3
15	33	.01	.02	.03	.03	.00	.00	.00	.00	.00	5.9	1.5
16	39	.01	.02	.03	.03	.00	.00	.00	.00	.00	1.2	1.0
17	6.8	.00	.02	.02	.02	.00	.00	.00	.00	.55	.35	.69
18	2.3	.00	.02	.02	.00	.00	.00	.00	.17	.51	.11	e.30
19	1.4	.00	.02	.03	.00	.00	.00	.00	284	98	.05	e.10
20	.57	.00	.02	.03	.00	.00	.00	.00	68	120	.03	e.00
21	.24	.00	.02	.03	.01	.00	.00	.00	11	19	.00	e.00
22	.12	.00	.02	.04	.00	.00	.00	.00	2.7	5.4	.00	e.00
23	.07	.00	.02	.04	.00	.00	.00	.00	e.40	1.8	35	e.00
24	.04	.00	.02	.04	.00	.00	.00	.00	e.07	.72	8.2	e.00
25	.03	.01	.03	.04	.01	.00	.00	.00	e.02	.26	1.8	e.00
26	.03	.02	.03	.04	.00	.00	.00	.00	e.46	.10	.60	e.00
27	.03	.00	.03	.03	.00	.00	.00	.00	e.05	.05	.22	e.00
28	.02	.00	.03	.03	.00	.00	.00	.00	e.00	.02	.09	e.00
29	.00	.00	.03	.03	---	.00	.00	3.2	e.02	.00	.04	e.00
30	.00	.01	.03	.03	---	.00	.00	12	e.15	.00	.02	e.00
31	.00	---	.03	.03	---	.00	---	3.5	---	17	10	---
TOTAL	83.65	0.14	0.70	0.87	0.45	0.30	0.15	18.70	367.86	263.41	91.97	3057.92
MEAN	2.70	.005	.023	.028	.016	.010	.005	.60	12.3	8.50	2.97	102
MAX	39	.03	.04	.04	.04	.04	.03	12	284	120	35	1640
MIN	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	166	.3	1.4	1.7	.9	.6	.3	37	730	522	182	6070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)

MEAN	8.41	1.64	.86	.71	.75	1.25	2.93	11.9	25.3	29.7	32.9	38.0
MAX	90.5	31.6	11.0	8.65	8.26	22.0	63.8	302	503	144	154	549
(WY)	1942	1987	1943	1943	1987	1987	1942	1941	1937	1972	1977	1941
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.16	.000
(WY)	1937	1937	1937	1937	1953	1949	1938	1938	1945	1980	1980	1948

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1937 - 1995

ANNUAL TOTAL	1635.00	3886.12	
ANNUAL MEAN	4.48	10.6	12.9
HIGHEST ANNUAL MEAN			108
LOWEST ANNUAL MEAN			.18
HIGHEST DAILY MEAN	279	Jun 3	1640
LOWEST DAILY MEAN	.00	Jan 13	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 18	.00
INSTANTANEOUS PEAK FLOW			6910
INSTANTANEOUS PEAK STAGE			9.50
ANNUAL RUNOFF (AC-FT)	3240	7710	b44000
10 PERCENT EXCEEDS	1.1	1.0	a19.96
50 PERCENT EXCEEDS	.00	.01	9360
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-Present datum.

b-From rating curve extended above 760 ft/s on basis of slope-area measurements at gage heights 12.5 ft and 19.96, present datum.

ARKANSAS RIVER BASIN

07223500 CONCHAS LAKE AT CONCHAS DAM, NM

LOCATION.--Lat 35°24'10", long 104°11'25", San Miguel County, Hydrologic Unit 11080003, in Pablo Montoya Grant, stilling well within concrete portion of Conchas Dam on Canadian River, 24 mi north of Newkirk, and at mile 746.0.

DRAINAGE AREA.--7,409 mi², of which 433 mi², is probably noncontributing.

PERIOD OF RECORD.--December 1938 to September 1965 (monthend contents only), October 1965 to current year. Prior to October 1965, published as Conchas Reservoir near Conchas Dam.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is formed by dam consisting of concrete main section and earthfill wings, completed Sept. 15, 1939; storage began Dec. 29, 1938. Capacity, 330,100 acre-ft between elevations 4,060.0 ft and 4,201.0 ft, crest of 300 ft ungated service spillway. Inactive storage, 70,490 acre-ft, at elevation 4,155.0 ft. Lake usually not drawn below elevation, 4,157.35 ft, sill of irrigation outlet, capacity, 77,790 acre-ft, except for minor sluicing; at times irrigation water is pumped into Conchas Canal. Capacity of 198,800 acre-ft between elevations 4,201.0 ft, crest of 300 ft ungated service spillway, and 4,218.0 ft, crest of 3,000 ft ungated emergency spillway, acts as detention storage in the control of floods. Figures given herein represent total contents. Lake is used for irrigation, flood control, and recreation. Diversions upstream from station for irrigation of about 57,000 acres. Direct diversions through Conchas Dam to Bell Ranch Canal and Conchas Canal (stations 07223000, 07223300) irrigate about 36,000 acres near Tucumcari, and on Bell Ranch. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 479,600 acre-ft, Apr. 24, 1942, elevation, 4,208.41 ft; minimum after initial filling, 78,080 acre-ft, Sept. 18, 1976, elevation, 4,157.44 ft; minimum elevation, 4,155.80 ft, Sept. 24, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 318,150 acre-ft, July 20, elevation, 4,201.25 ft; minimum, 267,470 acre-ft, Oct. 26, elevation, 4,195.64 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on Survey by U.S. Army Corps of Engineers in 1970)

4,180	160,600
4,190	223,400
4,200	306,200
4,210	412,100

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274590	268050	271350	275630	280400	282940	283910	273140	306520	316310	315060	302220
2	274000	267880	271430	275710	280400	283030	283650	273140	311430	317950	314870	301390
3	273480	267880	271520	275800	280400	283380	283380	272970	315060	317180	314490	300470
4	272880	267800	271600	276400	280570	283290	283210	272970	315730	315730	314200	299730
5	272630	267880	271940	276750	280750	283560	282860	273650	315260	315540	313720	298810
6	271770	268050	272030	276750	280840	283470	282500	273650	315260	316020	313150	298070
7	271180	268050	272460	276920	281010	283470	282240	273820	315260	316700	312570	297060
8	270750	268050	272460	276920	281270	283560	281800	274080	315060	316890	312000	296700
9	270420	268220	272630	277090	281270	283560	281450	274850	315060	317090	311340	303440
10	269910	268310	272800	277440	281270	283560	281190	275020	314870	317090	310670	317090
11	269400	268560	272800	277440	281270	283560	280920	275540	314870	316890	310010	317090
12	269060	268900	273140	277440	281450	283650	280570	275710	314770	316210	311430	316890
13	268560	268900	273310	277520	281620	283730	280050	275370	314970	315730	309730	317180
14	268390	269060	273310	277700	281800	283730	279520	275540	315640	315160	311620	317180
15	268730	269400	273310	277870	281800	283820	279090	275710	315260	315730	311810	317090
16	268730	269740	273480	278040	281800	283910	278570	275710	315260	315540	311720	316890
17	268390	269740	273650	278130	281970	283910	277960	275370	315260	315450	311340	316790
18	268390	269910	273820	278220	281970	284090	277270	275630	316120	315350	310960	316700
19	268220	270080	273820	278310	282150	284180	276840	275710	316890	316210	310770	316510
20	268220	270080	274000	278480	282330	284360	276570	275540	314100	318150	310580	316210
21	268050	270250	274170	278480	282500	284260	275710	275630	313240	317760	310010	315730
22	267880	270250	274170	278740	282500	284260	275280	275710	313530	317180	309910	315450
23	267880	270420	274510	278910	282500	284440	274940	275540	312860	316600	309350	315160
24	267550	270580	274510	279090	282500	284360	274680	275370	313620	316210	308590	314770
25	267550	270840	274680	279170	282500	284360	274340	275630	315160	316020	307740	314580
26	267470	271010	274850	279350	282590	284360	274000	276060	316510	315830	306990	314200
27	267550	271090	275190	279350	282680	284440	273740	276570	317670	315350	306150	314010
28	267550	271090	275190	279520	282760	284710	273480	277440	317570	314870	305300	314010
29	267550	271260	275370	279700	---	284800	273310	279870	317090	314200	304370	313240
30	267880	271260	275450	279870	---	284710	273310	282150	316120	313720	303440	312760
31	267880	---	275540	280050	---	284360	---	297890	---	314300	302880	---
MAX	274590	271260	275540	280050	282760	284800	283910	297890	317670	318150	315060	317180
MIN	267470	267800	271350	275630	280400	282940	273310	272970	306520	313720	302880	296700
(†)	4195.69	4196.09	4196.59	4197.11	4197.42	4197.60	4196.23	4199.10	4201.04	4200.85	4199.64	4200.69
(††)	-7140	+3380	+4280	+4510	+2710	+1600	-11050	+24580	+18230	-1820	-11420	+9880
CAL YR 1994	MAX 317760	MIN 247300	(††) +28240									
WTR YR 1995	MAX 318150	MIN 267470	(††) +37740									

(†) ELEVATION, IN FEET, AT END OF MONTH
(††) CHANGE IN CONTENTS, IN ACRE-FEET

b-Site and datum then in use.

ARKANSAS RIVER BASIN

07226800 UTE RESERVOIR NEAR LOGAN, NM

LOCATION.--Lat 35°20'35", long 103°26'37", in NW¼ sec.21, T.13 N., R.33 E., Quay County, Hydrologic Unit 11080006, on face of Ute Dam on Canadian River, 2.5 mi southwest of Logan, 3.5 mi downstream from Ute Creek, and at mile 673.1.

DRAINAGE AREA.--11,110 mi², of which 1,110 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1963 to September 1965 (monthend contents only), October 1965 to current year.

REVISED RECORDS.--WDR NM-78-1: 1977.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Interstate Stream Commission). Prior to Feb. 25, 1974, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by an earthfill dam 132 ft high above streambed, 2,050 ft long; an earthen dike section on north bank of Canadian River 3,640 ft long with a maximum height of 38 ft; a concrete labyrinth spillway section with an equivalent weir length of 3,360 ft is located upstream of an 840 ft long ogee section between the main embankment and dike. Original construction completed in May 1963, storage began Dec. 13, 1962; modification project to construct labyrinth spillway and increase height of dam and dike completed April 1984. Capacity, 244,960 acre-ft at elevation 3,787.0 ft, crest of labyrinth spillway from capacity table dated November 1992. Original capacity at elevation 3,787.0 ft was 272,770 acre-ft. Top of dam is at elevation 3,812.0 ft. Dead storage, 10,780 acre-ft at elevation 3,725.0 ft, sill of outlet intake tower; inactive pool of 25,070 acre-ft between elevations 3,725.0 and 3,741.6 ft, maintained for sediment control and fish and wildlife. Figures given herein represent total contents. Reservoir storage is for municipal and industrial uses, recreational purposes, sediment control and some incidental flood control. Diversions upstream from station for irrigation about 90,000 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 250,000 acre-ft, May 20, 21, 1987, elevation, 3,787.40 ft; minimum since reservoir first filled in September 1965, 31,320 acre-ft, June 6, 1984, elevation, 3,739.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 215,060 acre-ft, July 27, elevation, 3,783.11 ft; minimum, 172,120 acre-ft, May 24, elevation, 3,776.77 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on survey by U. S. Bureau of Reclamation and New Mexico Interstate Stream Commission 1992)

3,744	41,030	3,780	193,100
3,760	88,760	3,788	253,100

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178340	178460	176620	176550	176610	175720	175150	173870	175280	203370	211640	192870
2	178210	178460	176490	176620	176490	175920	175020	173870	175150	205340	210060	192140
3	178210	178340	176870	176230	176420	176230	175280	173680	175790	206530	209980	191340
4	178660	178020	176870	176490	176490	175720	175270	173550	176040	207240	209690	190870
5	180060	178020	176600	177190	176420	176110	175340	173940	176170	208400	209690	189200
6	179680	177890	176620	176620	176550	175720	175470	173870	176620	210770	209690	188600
7	179610	178020	176620	176810	176300	175980	175470	174570	177960	212790	208250	187660
8	179360	177760	176420	176430	176680	176230	175340	174000	179610	213080	207530	187460
9	179610	177510	176360	176680	176360	175920	175020	173870	181560	212870	207530	187660
10	179420	177510	176550	176810	176360	176040	174700	173680	183070	212720	207530	189270
11	179230	177570	176420	176680	176230	176300	175150	173810	184310	211860	204910	191600
12	179100	178210	176490	176620	176230	175790	175090	173750	185280	211280	204560	192000
13	179170	177890	176420	176550	176300	175720	175210	173310	185940	210770	204560	192740
14	178720	177570	176300	176550	176680	175790	174900	173370	186070	210050	203230	193340
15	179290	177510	176420	176550	176420	175790	174960	173490	186070	210200	203090	193760
16	179420	177510	176300	176360	176360	175720	174700	173180	185610	210200	203580	193620
17	179290	177380	176360	176420	176420	175790	175090	172870	184960	209770	203370	193070
18	179290	177320	176550	176420	176360	175790	174060	172870	184630	210990	202730	192540
19	179100	177700	176360	176360	176360	175790	174510	172750	184110	213380	202310	191540
20	179040	177190	176300	176420	176040	175660	174320	172500	183850	213950	202310	191330
21	179100	177000	176300	176300	176300	175660	173940	172690	183980	213880	200690	190530
22	178910	176930	176230	176230	176110	175340	174320	172560	189330	213810	200060	189870
23	178910	177320	176300	176490	175980	175400	174380	172370	195810	213880	199440	189460
24	178660	177000	176110	176490	175980	175280	174510	172120	199100	214100	198760	188800
25	178780	177060	176230	176360	176110	175090	174510	172310	201610	214390	198000	188130
26	178660	177380	176300	176550	175980	174960	174320	172310	202590	214610	197320	187730
27	178720	176680	176300	176550	175850	174890	174320	172310	203090	215060	196630	187260
28	178660	176620	176490	176420	175600	174580	174060	172440	202590	213380	195740	186590
29	178530	176490	176490	176170	---	174710	174000	173180	202310	213310	195060	185940
30	178530	176680	176490	176490	---	174960	173810	174260	202730	213230	194230	185150
31	178530	---	176230	176420	---	175090	---	175150	---	213160	193620	---
MAX	180060	178460	176870	177190	176680	176300	175470	175150	203090	215060	211640	193760
MIN	178210	176490	176110	176170	175600	174580	173810	172120	175150	203370	193620	185150
(†)	3777.78	3777.49	3777.42	3777.45	3777.32	3777.24	3777.04	3777.25	3781.39	3782.85	3780.07	3778.80
(††)	+70	-1850	-450	+190	-820	-510	-1280	+1340	+27580	+10430	-19540	-8470

CAL YR 1994 MAX 245930 MIN 176110 (††) -21700
WTR YR 1995 MAX 215060 MIN 172120 (††) +6690

(†) ELEVATION, IN FEET, AT END OF MONTH
(††) CHANGE IN CONTENTS, IN ACRE-FEET

ARKANSAS RIVER BASIN

07226800 UTE RESERVOIR NEAR LOGAN, NM -- Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected in Ute Reservoir impounded by Ute Dam on the Canadian River.

PERIOD OF RECORD.--Water years 1963 to current year.

REMARKS.--Samples for chemical analyses are collected annually at Site B which is located 0.6 mi upstream from Ute Dam. Samples are collected 5 feet above the bottom of the reservoir.

07226560 - UTE RE AT SITE B, 0.6 MILES AB UTE DAM, NM (LAT 35°20'32" LONG 103°27'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (000400)	TEMPER- ATURE AIR (DEG C) (000020)	TEMPER- ATURE WATER (DEG C) (000010)	BARO- METRIC PRES- SURE (MM OF HG) (000025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (000300)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (000301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG 1995											
10...	0945	1.00	77.0	1140	8.3	--	25.0	662	7.0	98	--
10...	0947	5.00	77.0	--	--	--	25.0	662	7.0	--	--
10...	0949	10.0	77.0	--	--	--	24.5	662	7.0	--	--
10...	0951	15.0	77.0	--	--	--	24.5	662	6.9	--	--
10...	0953	20.0	77.0	--	--	--	24.5	662	7.0	--	--
10...	0955	25.0	77.0	--	--	--	24.5	662	6.8	--	--
10...	0957	30.0	77.0	--	--	--	24.5	662	6.8	--	--
10...	0959	35.0	77.0	1160	8.2	--	22.5	662	5.5	74	--
10...	1001	40.0	77.0	--	--	--	21.0	662	2.4	--	--
10...	1003	45.0	77.0	--	--	--	20.0	662	1.6	--	--
10...	1005	50.0	77.0	--	--	--	20.0	662	1.2	--	--
10...	1007	55.0	77.0	--	--	--	19.5	662	0.8	--	--
10...	1009	60.0	77.0	--	--	--	19.5	662	0.6	--	--
10...	1011	65.0	77.0	--	--	--	18.0	662	0.2	--	--
10...	1013	70.0	77.0	--	--	--	18.0	662	0.2	--	--
10...	1015	75.0	77.0	1190	7.9	26.0	17.5	662	0.1	1	<10

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD CACO3 (39086)	ALKA- LITY LAB (MG/L AS CACO3) (90410)
AUG 1995												
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
10...	<1	300	110	54	40	140	4	6.2	232	0	190	203

ARKANSAS RIVER BASIN

07226800 UTE RESERVOIR NEAR LOGAN, NM -- Continued

WATER-QUALITY RECORDS

07226560 - UTE RE AT SITE B, 0.6 MILES AB UTE DAM, NM (LAT 35°20'32" LONG 103°27'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
AUG 1995 10...	330	50	0.60	5.8	741	<0.010	0.120	0.050	0.30	<0.010	<0.010
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
AUG 1995 10...	4.8	3	2	190	<1	<1.0	<1	<1	<1	2	<3
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)
AUG 1995 10...	<1	<1	<0.10	<0.1	<2	<2	<10	11	8.0	32	1700
DATE	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
AUG 1995 10...	540	7	<1	1	<5	9	2000	20	480	0.09	<10

ARKANSAS RIVER BASIN

07227000 CANADIAN RIVER AT LOGAN, NM

LOCATION.--Lat 35°21'25", Long 103°25'03", in NE¼NE¼ sec.15, T.13 N., R.33 E., Quay County, Hydrologic Unit 11080006, on left bank 1,110 ft upstream from bridge on U.S. Highway 54, 0.7 mi south of Logan, 1.4 mi upstream from Chicago, Rock Island & Pacific Railroad Co. bridge, 2.0 mi downstream from Ute Dam, 4.3 mi upstream from Revuelto Creek, and at mile 672.0.

DRAINAGE AREA.--11,141 mi², of which 1,110 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1904 to November 1905 (gage heights and discharge measurements only), December 1908 to September 1909, February 1910, April to July 1910, August 1910 to September 1911 (gage heights and discharge measurements only), October 1911 to May 1914, January to May 1924, September 1924 to July 1925, January 1927 to April 1934, August 1934 to current year. Monthly discharge only for some periods, published in WSP 1311. Records for December 1909, January 1910, and May to July 1934, published in WSP 267, 287, and 762 are unreliable and should not be used. Published as "South Canadian River" June to September 1904.

REVISED RECORDS.--WSP 1087: 1935-36. WSP 1117: Drainage area. WSP 1281: 1912, 1932(M), 1934, 1945-47, 1949-50. WSP 1311: 1931(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 3,667.1 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1987 same site at datum 1.0 ft higher. See WSP 1311 or 1731 for history of changes prior to Oct. 1, 1934.

REMARKS.--Water-discharge records fair except for estimated discharges, which are poor. Flow regulated by Conchas Lake, 45 mi upstream (station 07223500) and Ute Reservoir, 2 mi upstream (station 07226800). Diversions for irrigation of about 90,000 acres upstream from station. Several observations of water temperature were made during the year. No flow at times prior to completion of Ute Dam.

AVERAGE DISCHARGE.--15 years (water years 1909, 1912-13, 1927-38), 392 ft³/s, 284,000 acre-ft/yr, prior to completion of Conchas dam. 24 years (water years 1939-62), 257 ft³/s, 186,200 acre-ft/yr, prior to completion of Ute Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 278,000 ft³/s, Sept. 30, 1904, gage height, about 36.5 ft, site and datum used in 1909, from rating curve extended above 14,000 ft³/s, from Ninth Biennial Report of New Mexico State Engineer.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.7	3.4	3.3	e3.2	3.5	3.2	3.0	3.0	305	213	332
2	4.1	3.6	3.4	3.3	e3.2	3.4	3.2	3.0	2.9	305	229	333
3	3.9	3.6	3.4	3.3	e3.2	3.4	3.4	3.1	2.9	304	240	334
4	5.6	4.3	3.7	3.4	e3.2	3.2	3.3	3.1	3.0	304	276	334
5	6.0	8.7	8.7	e3.5	e3.2	3.2	3.2	4.0	2.9	303	304	335
6	3.8	8.8	9.1	e3.4	3.2	3.2	3.4	3.3	2.8	304	304	335
7	3.8	8.7	8.9	e3.4	3.2	3.2	3.0	3.1	2.8	303	304	337
8	3.8	8.6	8.9	e3.4	3.2	3.1	3.1	2.9	2.8	303	305	339
9	3.8	8.6	8.8	e3.4	3.2	3.1	3.1	3.1	89	303	306	340
10	3.7	8.6	8.8	e3.4	3.2	3.1	3.1	3.0	298	302	306	344
11	3.7	8.7	4.8	e3.3	3.2	3.1	3.1	3.1	305	302	306	347
12	3.7	9.1	3.6	e3.3	3.3	3.1	3.1	3.1	309	302	306	363
13	3.7	8.5	3.3	e3.3	3.3	3.1	3.0	3.8	311	302	308	364
14	3.8	8.5	3.3	e3.3	3.2	3.1	3.0	3.5	311	302	310	366
15	4.9	8.6	3.3	e3.3	3.2	3.1	3.1	3.4	312	302	310	366
16	3.9	8.6	3.3	e3.3	3.1	3.3	3.1	3.2	312	303	311	368
17	3.7	7.9	3.4	e3.3	3.1	3.2	3.1	3.0	312	302	295	370
18	3.7	3.8	3.3	e3.3	3.1	3.2	3.0	3.0	312	305	315	371
19	3.8	3.7	3.3	e3.3	3.1	3.1	3.2	3.0	311	305	316	374
20	3.7	3.5	3.3	e3.3	3.1	3.2	3.3	2.9	254	303	316	375
21	3.8	3.6	3.3	e3.3	3.2	3.3	3.0	3.0	306	303	318	376
22	3.8	3.6	3.3	e3.3	3.2	3.1	3.1	2.9	307	303	319	370
23	3.8	3.6	3.3	e3.3	3.2	3.1	3.1	2.7	308	304	320	368
24	3.7	3.6	3.3	e3.3	3.2	3.2	3.1	2.9	310	304	321	370
25	3.8	3.6	3.3	e3.3	3.2	3.2	3.0	3.1	310	304	322	372
26	3.7	3.6	3.3	e3.3	3.2	3.2	3.0	3.3	309	297	323	372
27	3.7	3.5	3.4	e3.3	3.3	3.2	3.1	3.1	308	239	324	372
28	3.8	3.4	3.4	e3.3	3.3	3.3	3.1	3.1	308	213	326	374
29	3.8	3.4	3.4	e3.3	---	3.4	3.1	5.8	307	213	327	375
30	3.8	3.4	3.4	e3.3	---	3.7	3.0	5.4	305	212	328	376
31	3.7	---	3.5	e3.3	---	3.6	---	3.1	---	213	332	---
TOTAL	122.6	173.4	138.9	103.1	89.5	100.2	93.6	102.0	6538.1	8969	9441	10752
MEAN	3.95	5.78	4.48	3.33	3.20	3.23	3.12	3.29	218	289	305	358
MAX	6.0	9.1	9.1	3.5	3.3	3.7	3.4	5.8	312	305	332	376
MIN	3.7	3.4	3.3	3.3	3.1	3.1	3.0	2.7	212	213	213	332
AC-FT	243	344	276	204	178	199	186	202	12970	17790	18730	21330
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1995, BY WATER YEAR (WY)												
MEAN	32.0	27.1	7.04	7.69	9.64	3.15	17.4	36.8	59.9	84.0	94.4	104
MAX	325	287	84.1	62.7	174	11.4	239	767	575	608	720	838
(WY)	1966	1983	1983	1992	1980	1983	1987	1987	1969	1982	1981	1969
MIN	1.30	1.19	1.24	.86	1.13	.63	.26	.64	.62	.65	1.19	1.36
(WY)	1964	1984	1984	1963	1987	1963	1963	1963	1963	1963	1963	1983
SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1963 - 1995												
ANNUAL TOTAL	47165.2				36623.4				40.4			
ANNUAL MEAN	129				100				145			
HIGHEST ANNUAL MEAN									1.62			
LOWEST ANNUAL MEAN									6860			
HIGHEST DAILY MEAN	493				376				1.10			
LOWEST DAILY MEAN	3.3				2.7				.10			
ANNUAL SEVEN-DAY MINIMUM	3.3				2.9				.10			
INSTANTANEOUS PEAK FLOW									a219000			
INSTANTANEOUS PEAK STAGE									b29.30			
ANNUAL RUNOFF (AC-FT)	93550				72640				29250			
10 PERCENT EXCEEDS	352				322				27			
50 PERCENT EXCEEDS	5.7				3.6				2.6			
90 PERCENT EXCEEDS	3.6				3.1				1.6			

e Estimated

a-From rating curve extended above 75,000

b-From floodmarks.

ARKANSAS RIVER BASIN

07227000 CANADIAN RIVER AT LOGAN, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957-62, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
NOV 1994												
17...	1000	8.6	4120	8.2	10.5	9.5	670	11.2	113	400	79	50
MAY 1995												
24...	1015	3.1	9430	8.0	14.5	15.0	670	7.6	89	630	130	73
JUL												
13...	1415	300	1230	8.3	34.0	22.0	670	8.9	117	290	52	40
AUG												
10...	1810	306	1200	8.0	35.0	22.0	664	8.0	106	300	56	40

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV 1994											
17...	720	16	7.8	248	380	940	0.80	6.8	2330	250	10
MAY 1995											
24...	1900	33	10	330	500	2800	1.1	11	5620	400	100
JUL											
13...	150	4	7.2	202	340	67	0.60	4.3	782	200	5
AUG											
10...	150	4	6.7	200	330	66	0.60	5.2	775	160	<3

ARKANSAS RIVER BASIN

07227100 REVUELTO CREEK NEAR LOGAN, NM

LOCATION.--Lat 35°29'29", Long 109°23'37", in SW1/4 sec.24, T.13 N., R.33 E., Quay County, Hydrologic Unit 11080008, on right bank 0.3 mi upstream from bridge on State Highway 469, 1.9 mi southeast of Logan, and at mile 2.3.

DRAINAGE AREA.--786 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,660 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Jan. 16, 1981, at site 320 ft upstream at datum 0.56 ft higher.

REMARKS.--Water-discharge records fair except for estimated discharges, which are poor. Low flows supplemented by surface and ground-water return from irrigation in vicinity of Tucumcari. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD (1941-47).--Maximum discharge determined, about 13,400 ft³/s, Sept. 18, 1946, gage height, 9.04 ft, at site 180 ft downstream at different datum, from unpublished records collected by Bureau of Reclamation. A peak of 26,100 ft³/s, date unknown, gage height, 12.9 ft at former site and datum, was measured by slope-area method in May 1957.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e17	9.4	.51	1.8	4.9	7.6	16	20	e15	65	402	11
2	e25	6.3	1.5	1.2	2.1	11	.45	14	e10	91	257	13
3	e30	9.2	.41	.68	2.5	2.5	6.1	6.7	e7.0	73	152	14
4	82	27	.27	.67	1.1	2.2	42	4.4	e10	19	29	15
5	120	17	.26	.90	1.5	1.2	91	31	e12	2.4	47	11
6	51	15	2.9	2.1	2.0	2.6	75	29	e15	4.6	203	14
7	26	11	3.7	5.4	5.5	2.8	46	24	e10	4.7	123	33
8	29	6.2	3.0	2.8	3.0	3.7	18	23	4.4	2.2	44	108
9	14	5.5	4.7	3.5	1.1	1.7	31	40	2.5	2.3	110	381
10	11	11	3.2	1.8	.75	1.1	40	37	3.3	2.7	704	1010
11	5.9	11	2.2	1.7	.67	.78	20	32	3.0	2.5	280	673
12	5.8	13	2.1	1.5	2.0	.46	23	25	1.3	1.0	287	479
13	6.2	13	1.6	1.5	1.7	.28	12	24	.57	.90	133	203
14	8.3	7.8	1.8	.70	1.2	.10	14	15	.37	1.1	105	101
15	203	2.2	1.2	.84	.52	.09	20	13	.16	1.2	744	61
16	141	2.0	1.1	1.3	.30	.09	12	14	.02	39	111	50
17	92	1.5	1.5	.60	.24	.05	15	9.1	.02	143	37	51
18	61	1.0	2.5	.89	.21	.04	19	6.5	.18	400	30	227
19	49	1.0	1.7	1.0	.79	.12	79	5.9	1.0	320	32	152
20	36	1.4	1.5	1.1	.77	.22	97	8.0	1.4	121	15	171
21	42	1.8	1.2	1.6	1.3	.15	104	9.5	6.3	9.2	7.8	104
22	41	1.1	1.9	.82	1.5	.06	102	11	161	15	17	60
23	31	1.1	1.9	.72	.96	.07	129	3.8	78	2.3	22	57
24	24	1.3	1.8	4.8	.92	.08	113	12	46	45	31	57
25	25	.81	1.5	4.3	1.3	.12	88	5.8	57	15	8.0	53
26	43	.92	.58	7.3	1.2	.04	36	160	85	2.8	6.7	52
27	14	1.1	.66	3.1	1.7	.05	13	253	135	1.6	9.1	35
28	10	.84	3.0	3.5	1.8	.21	13	180	137	.84	9.9	35
29	7.2	.47	1.2	2.4	---	.33	7.6	e60	89	.98	22	33
30	7.0	.33	2.1	5.2	---	1.2	19	e40	22	.52	13	31
31	8.7	---	2.2	6.6	---	20	---	e25	---	80	15	---
TOTAL	1266.1	181.27	55.69	72.32	43.53	60.94	1301.15	1141.7	913.52	1469.84	4006.5	4295
MEAN	40.8	6.04	1.80	2.33	1.55	1.97	43.4	36.8	30.5	47.4	129	143
MAX	203	27	4.7	7.3	5.5	20	129	253	161	400	744	1010
MIN	5.8	.33	.26	.60	.21	.04	.45	3.8	.02	.52	6.7	11
AC-FT	2510	360	110	143	86	121	2580	2260	1810	2920	7950	8520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1995, BY WATER YEAR (WY)

MEAN	35.1	9.09	9.91	5.62	7.54	6.41	24.2	46.9	69.5	117	124	74.4
MAX	320	34.1	129	27.9	42.5	52.1	346	203	492	1203	575	515
(WY)	1961	1962	1960	1990	1983	1985	1970	1991	1960	1960	1981	1969
MIN	.000	.056	.001	.000	.000	.003	.32	.085	.89	.42	.93	1.72
(WY)	1965	1978	1976	1965	1965	1980	1981	1976	1990	1983	1978	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1959 - 1995
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	FOR YEAR		FOR YEAR		YEAR		YEAR	
	1960		1961		1962		1963	
ANNUAL TOTAL	10248.63		14807.56					
ANNUAL MEAN	28.1		40.6		43.9			
HIGHEST ANNUAL MEAN					204		1960	
LOWEST ANNUAL MEAN					4.72		1964	
HIGHEST DAILY MEAN	932	May 10	1010	Sep 10	13800	Jul 9	1960	
LOWEST DAILY MEAN	.04	Feb 20	.02	Jun 16	.00	Oct 20	1959	
ANNUAL SEVEN-DAY MINIMUM	.54	Nov 29	.08	Mar 21	.00	Oct 20	1959	
INSTANTANEOUS PEAK FLOW			4690	Sep 10	a26700	Jul 9	1960	
INSTANTANEOUS PEAK STAGE			6.79	Sep 10	14.30	Jul 9	1960	
ANNUAL RUNOFF (AC-FT)	20330		29370		31830			
10 PERCENT EXCEEDS	57		106		60			
50 PERCENT EXCEEDS	8.0		7.3		5.1			
90 PERCENT EXCEEDS	1.3		.58		.00			

e Estimated

a-From slope-area measurement of peak flow.

ARKANSAS RIVER BASIN

07227100 REVUELTO CREEK NEAR LOGAN, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)
NOV 1994												
16...	1603	6.0	1860	8.7	16.0	11.5	663	9.2	98	360	68	45
MAY 1995												
24...	0845	8.0	1660	8.4	11.5	11.5	670	9.5	100	410	75	55
JUL												
13...	1545	1.0	1250	8.4	34.0	32.5	668	6.5	103	340	70	40
AUG												
09...	1620	10	1150	8.3	38.0	33.0	662	7.8	127	270	53	33

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS Fe) (01046)
NOV 1994											
16...	280	6	4.4	226	450	170	0.60	9.2	1160	280	4
MAY 1995											
24...	220	5	6.1	228	510	92	0.70	6.5	1100	250	<3
JUL											
13...	130	3	7.8	185	380	49	0.60	9.6	798	180	5
AUG											
09...	140	4	5.6	166	350	43	0.60	12	737	200	<3

ARKANSAS RIVER BASIN

07227140 CANADIAN RIVER ABOVE NEW MEXICO-TEXAS STATE LINE, NM

WATER-QUALITY RECORDS

LOCATION.--Lat 35°23'35", long 103°02'30", in SW¼ sec. 32, T.14 N., R.37 E., Quay County, Hydrologic Unit 11080006, 0.1 mi upstream from New Mexico-Texas State line, 5.5 mi downstream from Rana Canyon, and 14.7 mi north of Glenrio.

PERIOD OF RECORD.--Water years 1969-73, 1975-86, 1992 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	
NOV 1994	16...	1202	20	5980	8.5	12.0	7.0	670	11.8	113	480	100	55
MAY 1995	23...	1515	E5.0	7240	8.3	21.0	24.5	668	7.7	108	590	110	77
JUL	13...	1015	E310	1390	8.3	30.0	23.5	674	10.0	134	300	54	40
AUG	10...	1430	E315	878	8.3	36.0	26.0	670	6.6	93	88	19	9.9

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS Fe) (01046)
NOV 1994	1000	20	8.0	246	440	1500	0.60	9.5	3260	330	<10
MAY 1995	1400	25	9.8	231	480	2000	0.70	8.3	4220	380	20
JUL	170	4	7.4	186	340	100	0.60	4.7	828	200	<3
AUG	140	6	3.5	159	170	71	0.40	7.0	516	190	<3

WESTERN GULF OF MEXICO BASINS
RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO

LOCATION.--Lat 37°04'43", Long 105°45'23", in NE¼NW¼ sec.27, T.33 N., R.11 E., Conejos County, Hydrologic Unit 13010002, on right bank at highway bridge, 5.7 mi north of Colorado-New Mexico State line, 8 mi downstream from Culebra Creek, 11 mi east of Lobatos, and 14 mi east of Antonito.
DRAINAGE AREA.--7,700 mi², approximately, includes 2,940 mi² in closed basin in northern part of San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1899 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "at Cenicero" 1899-1901, and as "near Cenicero" 1902-4. Statistical summary computed for 1931 to current year.

REVISED RECORDS.--WSP 1312: 1919 (monthly runoff). WSP 210: Drainage area. WDR CO-78-1: 1976.
GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 7,427.63 ft above sea level. Prior to 1910, nonrecording gages at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 30-31, Nov. 16-17, and Nov. 25 to Mar. 2. Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, groundwater withdrawal.

COOPERATION.--Records collected and computed by Colorado Division of Water Resources and reviewed by Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1828, that of June 8, 1905.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	109	360	360	380	608	409	840	879	4190	284	164
2	33	115	384	360	390	607	413	948	846	4710	266	145
3	31	134	390	350	390	586	399	1060	975	5140	239	126
4	33	144	428	350	400	567	408	1180	1140	5700	222	120
5	75	174	441	350	400	554	399	1070	1450	6240	205	109
6	93	168	429	380	401	549	325	1150	1550	5930	197	105
7	77	162	516	360	411	554	329	1140	1660	5480	184	108
8	91	162	522	390	415	520	367	1010	1950	4990	177	114
9	81	156	451	360	435	436	445	872	1700	4540	172	114
10	77	151	358	360	431	387	552	704	1590	4300	168	123
11	68	157	390	390	431	363	532	654	1790	4140	166	149
12	61	172	380	360	439	357	477	688	1550	3920	167	183
13	66	173	390	350	430	390	470	680	1570	3480	165	157
14	78	167	380	360	456	382	561	596	1800	3060	151	153
15	94	161	370	390	470	344	625	540	1870	2500	196	137
16	104	147	370	370	439	330	647	671	1930	2040	177	130
17	113	156	380	340	428	339	636	1130	2190	1680	157	128
18	119	201	390	320	421	365	654	1520	2530	1600	154	122
19	135	212	390	330	416	365	624	1540	2960	1680	145	124
20	144	224	390	330	428	385	630	1210	3440	1660	137	123
21	144	239	390	360	445	423	579	1210	3730	1570	135	121
22	128	240	380	330	468	423	548	1260	3550	1330	145	145
23	111	236	390	320	502	482	586	1550	3220	1100	119	135
24	130	211	400	330	538	444	575	1750	3010	934	120	128
25	126	239	390	350	568	429	545	1800	2960	800	126	127
26	126	300	400	380	580	392	535	1430	3090	671	174	127
27	123	340	390	370	608	352	560	1180	3280	514	181	124
28	122	400	380	360	608	334	567	1030	3310	466	191	115
29	119	341	390	350	---	329	575	970	3340	400	171	119
30	115	296	400	330	---	419	652	997	3600	325	184	127
31	112	---	400	360	---	403	---	957	---	286	178	---
TOTAL	2962	6087	12419	11000	12728	13418	15624	33337	68460	85376	5453	3902
MEAN	95.5	203	401	355	455	433	521	1075	2282	2754	176	130
MAX	144	400	522	390	608	608	654	1800	3730	6240	284	183
MIN	31	109	358	320	380	329	325	540	846	286	119	105
AC-FT	5880	12070	24630	21820	25250	26610	30990	66120	135800	169300	10820	7740
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)												
MEAN	175	316	285	259	309	416	539	1143	1262	450	156	121
MAX	1401	1199	763	521	595	884	2326	4958	4470	2754	842	779
(WY)	1942	1942	1942	1986	1986	1987	1985	1987	1941	1995	1957	1982
MIN	12.9	59.6	61.7	75.7	102	66.0	32.3	42.9	19.8	1.28	3.21	1.91
(WY)	1957	1955	1964	1957	1957	1957	1935	1963	1977	1951	1956	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1931 - 1995
ANNUAL TOTAL	144493	270766	
ANNUAL MEAN	396	742	a452
HIGHEST ANNUAL MEAN			1264
LOWEST ANNUAL MEAN			70.9
HIGHEST DAILY MEAN	2220	6240	b9110
LOWEST DAILY MEAN	24	31	c.00
ANNUAL SEVEN-DAY MINIMUM	29	54	.00
INSTANTANEOUS PEAK FLOW		6330	d11600
INSTANTANEOUS PEAK STAGE		6.72	8.76
ANNUAL RUNOFF (AC-FT)	286600	537100	327700
10 PERCENT EXCEEDS	952	1770	970
50 PERCENT EXCEEDS	313	390	241
90 PERCENT EXCEEDS	41	122	40

a-Average discharge for 31 years (water years 1900-30), 846 ft³/s; 612900 acre-ft/yr, includes period of extensive development for irrigation.

b-Maximum daily discharge for period of record, 13100 ft³/s, Jun 8, 1905.

c-No flow at times in 1950-51, 1956.

d-Maximum discharge and stage for period of record, 13200 ft³/s, Jun 8, 1905, gage height, 9.1 ft, from rating curve extended above 8000 ft³/s.

RIO GRANDE BASIN
08251500 RIO GRANDE NEAR LOBATOS, CO -- Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969 to current year.

REMARKS.--Replaces station 08249200 Rio Grande above Culebra Creek, near Lobatos, Colo., which was discontinued July 1969. This station operated by the Colorado District.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 1994													
19...	1145	136	409	8.0	9.5	8.5	583	10.2	114	110	0	32	
NOV													
21...	1530	286	281	8.0	-2.0	1.0	579	10.8	100	89	0	27	
DEC													
19...	1300	E390	247	8.2	7.0	0.0	583	11.2	100	81	0	25	
JAN 1995													
09...	1115	E360	248	8.2	8.0	0.0	585	11.9	106	71	0	22	
FEB													
07...	1200	445	265	7.9	8.5	2.0	582	11.4	108	85	2	26	
MAR													
20...	1315	400	259	8.3	15.0	13.0	576	8.8	111	88	4	27	
APR													
10...	1330	550	192	8.2	0.0	8.0	572	9.3	105	65	0	20	
MAY													
08...	1230	1020	204	8.0	12.0	8.5	570	8.4	96	66	5	20	
JUN													
13...	1230	1610	224	8.0	24.0	19.0	584	10.6	150	73	14	22	
JUL													
19...	0800	1690	348	7.7	18.0	18.0	584	6.8	94	100	14	30	
AUG													
14...	1300	148	673	8.3	27.0	25.0	581	9.1	146	180	0	52	
SEP													
05...	1230	110	556	8.4	23.5	25.5	586	--	--	170	22	51	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB AS (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)
OCT 1994													
19...	6.8	40	2	5.7	175	0	143	148	49	12	0.80	23	
NOV													
21...	5.3	20	0.9	3.8	113	0	93	98	33	6.3	0.40	27	
DEC													
19...	4.6	18	0.9	3.3	108	0	88	89	27	6.5	0.30	30	
JAN 1995													
09...	3.9	16	0.9	3.2	105	0	86	88	23	6.3	0.30	29	
FEB													
07...	4.8	20	0.9	3.5	101	0	83	91	29	7.1	0.30	28	
MAR													
20...	5.0	17	0.8	4.1	103	0	84	88	32	4.6	0.30	25	
APR													
10...	3.7	13	0.7	2.5	82	0	67	72	19	4.0	0.30	23	
MAY													
08...	4.0	14	0.7	2.5	75	0	62	65	26	3.5	0.20	21	
JUN													
13...	4.4	14	0.7	3.1	72	0	59	68	34	3.7	0.20	21	
JUL													
19...	6.6	27	1	4.3	108	0	88	92	62	7.8	0.30	21	
AUG													
14...	11	69	2	9.0	220	0	185	192	120	17	0.70	25	
SEP													
05...	10	48	2	7.4	168	5	146	153	110	12	0.60	28	

A-Field dissolved bicarbonate, determined by incremental titration method.

B-Field dissolved carbonate, determined by incremental titration method.

C-Field total dissolved alkalinity, determined by incremental titration method.

K-Based on non-ideal colony counts.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO--Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	79	--
NOV 21...	--	--	--	--	--	--	--	--	--	--	98	--
DEC 19...	--	--	--	--	--	--	--	--	--	--	67	--
JAN 1995												
09...	--	--	--	--	--	--	--	--	--	--	44	--
FEB 07...	--	--	--	--	--	--	--	--	--	--	46	--
MAR 20...	--	--	--	--	--	--	--	--	--	--	74	--
APR 10...	--	--	--	--	--	--	--	--	--	--	130	--
MAY 08...	--	<1	--	<1	--	<1	--	<1	--	220	94	<1
JUN 13...	--	--	--	--	--	--	--	--	--	--	150	--
JUL 19...	--	--	--	--	--	--	--	--	--	--	130	--
AUG 14...	120	--	<1.0	--	<1	--	<1	--	3	--	26	--
SEP 05...	--	--	--	--	--	--	--	--	--	--	21	--

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)
OCT 1994												
19...	--	--	--	--	12	--	--	--	--	--	--	--
NOV 21...	--	--	--	--	31	--	--	--	--	--	--	--
DEC 19...	--	--	--	--	12	--	--	--	--	--	--	--
JAN 1995												
09...	--	--	--	--	11	--	--	--	--	--	--	--
FEB 07...	--	--	--	--	23	--	--	--	--	--	--	--
MAR 20...	--	--	--	--	53	--	--	--	--	--	--	--
APR 10...	--	--	--	--	10	--	--	--	--	--	--	--
MAY 08...	--	<10	--	20	23	<0.10	--	<1	--	<1	--	<1
JUN 13...	--	--	--	--	22	--	--	--	--	--	--	--
JUL 19...	--	--	--	--	26	--	--	--	--	--	--	--
AUG 14...	<1	--	4	--	13	--	<0.1	--	5	--	2	--
SEP 05...	--	--	--	--	20	--	--	--	--	--	--	--

RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO--Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 1994											
19...	--	--	--	--	--	--	--	--	--	24	8.8
NOV											
21...	--	--	--	--	--	--	--	--	--	57	44
DEC											
19...	--	--	--	--	--	--	--	--	--	52	E28
JAN 1995											
09...	--	--	--	--	--	--	--	--	--	13	E8.5
FEB											
07...	--	--	--	--	--	--	--	--	--	31	37
MAR											
20...	--	--	--	--	--	--	--	--	--	57	62
APR											
10...	--	--	--	--	--	--	--	--	--	84	125
MAY											
08...	--	<1	--	150	--	--	<10	--	--	67	185
JUN											
13...	--	--	--	--	--	--	--	--	--	55	239
JUL											
19...	--	--	--	--	--	--	--	--	--	45	205
AUG											
14...	<1	--	<1.0	--	480	<6	--	12	2.0	45	18
SEP											
05...	--	--	--	--	--	--	--	--	--	29	8.6

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
OCT 1994												
19...	1145	--	--	--	--	--	--	--	--	--	--	--
NOV												
21...	1530	--	--	--	--	--	--	--	--	--	--	--
DEC												
19...	1300	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
09...	1115	--	--	--	--	--	--	--	--	--	--	--
FEB												
07...	1200	--	--	--	--	--	--	--	--	--	--	--
MAR												
20...	1315	--	--	--	--	--	--	--	--	--	--	--
APR												
10...	1330	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
MAY												
08...	1230	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUN												
13...	1230	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUL												
19...	0800	<0.007	<0.002	E0.002	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
AUG												
14...	1300	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
SEP												
05...	1230	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004

RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO--Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DI-ELDRIN DIS- SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS- SOLVED (UG/L) (39532)	PARA-THION, DIS- SOLVED (UG/L) (39542)	DI-AZINON, DIS- SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
07...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
20...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
10...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
MAY												
08...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUN												
13...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUL												
19...	<0.001	<0.002	0.009	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
AUG												
14...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
SEP												
05...	<0.001	<0.002	<0.005	<0.004	0.008	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	FEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
07...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
20...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
10...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.002	<0.002	<0.003	<0.013
MAY												
08...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUN												
13...	<0.002	<0.007	<0.002	<0.006	0.010	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUL												
19...	<0.002	<0.007	<0.002	<0.006	E0.001	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
AUG												
14...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
SEP												
05...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.006	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013

RIO GRANDE BASIN

08251500 RIO GRANDE NEAR LOBATOS, CO--Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL-AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
21...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
09...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
07...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
20...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
10...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
MAY												
08...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUN												
13...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUL												
19...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
AUG												
14...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
SEP												
05...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY 1995						
08...	1308	157	206	8.2	9.0	8.3
08...	1310	141	207	8.2	9.0	8.3
08...	1312	125	207	8.1	8.5	8.3
08...	1314	109	208	8.1	8.5	8.2
08...	1316	93.0	207	8.1	8.5	8.2
08...	1318	77.0	207	8.2	8.5	8.2
08...	1320	61.0	208	8.1	8.5	8.3
08...	1322	45.0	208	8.2	9.0	8.3
08...	1324	29.0	208	8.1	9.0	8.4
08...	1326	13.0	207	8.2	9.0	8.4

RIO GRANDE BASIN

08252500 COSTILLA CREEK ABOVE COSTILLA DAM, NM

LOCATION.--Lat 36°53'52". Long 105°15'16", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 1,900 ft upstream from normal high-water line of Costilla Reservoir, 2.1 mi northeast of Costilla Dam, 16 mi southeast of Costilla, and at mile 36.9.

DRAINAGE AREA.--25.1 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732. Prior to October 1951, published as "above reservoir, near Costilla."

REVISED RECORDS.--WSP 878: 1937. WSP 1923: 1937-50, drainage area.

GAGE.--Water-stage recorder. Concrete control since Sept. 17, 1965. Elevation of gage is 9,430 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1923 for history of changes prior to Sept. 17, 1965.

REMARKS.--Records good. Natural flow may be augmented by transbasin diversions or irrigation returns from about 1,300 acres irrigated from Casias Creek (station 08253000). Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 3,870 ft³/s, July 22, 1954, gage height, about 4.8 ft, from floodmarks, site and datum then in use, on basis of slope-area measurement of peak flow; minimum not determined. The flood in 1954 destroyed the gaging station and is highest since about 1909 from information by local range rider. A portion of this flow may have originated in Casias Creek basin (see REMARKS).

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 106 ft³/s, at 0300 June 30, gage height 3.40 ft; minimum daily discharge 1.8 ft³/s, Oct. 1-5, 10-12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	---	---	---	---	---	---	17	54	36	9.7	7.0
2	1.8	---	---	---	---	---	---	27	52	29	7.8	6.8
3	1.8	---	---	---	---	---	---	24	54	27	7.4	6.5
4	1.8	---	---	---	---	---	---	24	50	28	7.1	6.1
5	1.8	---	---	---	---	---	---	26	55	22	6.8	5.7
6	1.9	---	---	---	---	---	---	21	66	20	6.5	5.6
7	1.9	---	---	---	---	---	---	19	68	18	6.4	9.1
8	1.9	---	---	---	---	---	---	16	63	18	6.3	15
9	1.9	---	---	---	---	---	---	24	60	17	8.5	9.6
10	1.8	---	---	---	---	---	---	25	52	15	7.5	8.6
11	1.8	---	---	---	---	---	---	27	48	15	6.5	8.5
12	1.8	---	---	---	---	---	---	24	51	14	7.6	7.4
13	---	---	---	---	---	---	---	22	54	16	7.3	6.8
14	---	---	---	---	---	---	---	27	54	20	6.6	7.1
15	---	---	---	---	---	---	---	37	53	22	6.4	8.0
16	---	---	---	---	---	---	---	46	51	17	6.0	7.9
17	---	---	---	---	---	---	---	48	52	19	5.9	6.5
18	---	---	---	---	---	---	---	40	60	25	5.5	6.5
19	---	---	---	---	---	---	8.9	38	54	18	5.6	6.4
20	---	---	---	---	---	---	7.7	40	49	15	6.2	5.9
21	---	---	---	---	---	---	9.9	46	44	13	7.2	7.1
22	---	---	---	---	---	---	9.6	55	38	13	6.3	7.1
23	---	---	---	---	---	---	10	58	34	12	5.8	6.0
24	---	---	---	---	---	---	10	52	32	11	7.9	7.0
25	---	---	---	---	---	---	12	43	29	9.9	13	10
26	---	---	---	---	---	---	11	45	27	9.2	9.7	8.7
27	---	---	---	---	---	---	13	45	26	8.6	11	7.2
28	---	---	---	---	---	---	16	41	26	8.3	12	7.1
29	---	---	---	---	---	---	21	42	32	8.3	9.4	8.8
30	---	---	---	---	---	---	20	45	58	8.0	7.4	9.3
31	---	---	---	---	---	---	---	62	---	10	7.5	---
TOTAL	---	---	---	---	---	---	---	1106	1446	522.3	234.8	229.3
MEAN	---	---	---	---	---	---	---	35.7	48.2	16.8	7.57	7.64
MAX	---	---	---	---	---	---	---	62	68	36	13	15
MIN	---	---	---	---	---	---	---	16	26	8.0	5.5	5.6
AC-FT	---	---	---	---	---	---	---	2190	2870	1040	466	455

RIO GRANDE BASIN

08253000 CASIAS CREEK NEAR COSTILLA, NM

LOCATION.--Lat 36°53'48", long 105°15'35", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 200 ft downstream from road crossing, 900 ft upstream from normal high-water line of Costilla Reservoir, 1.8 mi northeast of Costilla Dam, and 16 mi southeast of Costilla.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732. Records for Nov. 1-7, 1947 and Nov. 1-16, 1948, published in WSP 1118 and 1148, are unreliable and should not be used.

REVISED RECORDS.--WSP 1282: 1948-51. WSP 1923: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 9,400 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to July 18, 1940, water-stage recorder and wooden control 100 ft downstream at datum 1.56 ft lower.

REMARKS.--Records good except for June and July which are poor. Diversion 3.5 mi upstream for irrigation of about 1,300 acres, part of which is in Costilla Creek basin. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft³/s, July 20, 1971, gage height, 2.07 ft, from rating curve extended above 85 ft³/s; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 150 ft³/s, time unknown June 19, gage height 1.71 ft; minimum daily discharge 3.9 ft³/s, April 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	---	---	---	---	---	---	6.6	35	e96	22	14
2	6.0	---	---	---	---	---	---	12	34	e87	21	14
3	5.8	---	---	---	---	---	---	7.4	36	76	21	14
4	5.9	---	---	---	---	---	---	7.4	38	79	20	12
5	6.4	---	---	---	---	---	---	9.5	43	71	19	12
6	8.4	---	---	---	---	---	---	8.1	56	64	18	11
7	7.0	---	---	---	---	---	---	8.1	69	62	18	15
8	7.2	---	---	---	---	---	---	6.7	73	e59	18	19
9	6.6	---	---	---	---	---	---	13	75	e57	21	14
10	6.6	---	---	---	---	---	---	13	72	55	20	13
11	6.3	---	---	---	---	---	---	14	70	53	19	13
12	6.1	---	---	---	---	---	---	13	75	52	20	12
13	---	---	---	---	---	---	---	12	78	53	19	11
14	---	---	---	---	---	---	---	15	83	55	19	12
15	---	---	---	---	---	---	---	19	112	e54	18	12
16	---	---	---	---	---	---	---	25	120	53	17	11
17	---	---	---	---	---	---	---	29	e130	53	16	10
18	---	---	---	---	---	---	---	27	e140	57	15	10
19	---	---	---	---	---	---	---	4.5	28	150	47	15
20	---	---	---	---	---	---	---	3.9	29	150	47	15
21	---	---	---	---	---	---	---	6.9	32	150	47	15
22	---	---	---	---	---	---	---	5.4	39	140	e42	15
23	---	---	---	---	---	---	---	7.1	43	123	38	14
24	---	---	---	---	---	---	---	5.2	41	e118	37	16
25	---	---	---	---	---	---	---	6.2	39	e112	32	18
26	---	---	---	---	---	---	---	8.3	40	102	32	18
27	---	---	---	---	---	---	---	8.5	39	99	30	18
28	---	---	---	---	---	---	---	11	37	96	30	17
29	---	---	---	---	---	---	---	13	38	101	29	16
30	---	---	---	---	---	---	---	9.7	41	112	27	14
31	---	---	---	---	---	---	---	48	---	25	14	---
TOTAL	---	---	---	---	---	---	---	739.8	2792	1599	546	362.7
MEAN	---	---	---	---	---	---	---	23.9	93.1	51.6	17.6	12.1
MAX	---	---	---	---	---	---	---	48	150	96	22	19
MIN	---	---	---	---	---	---	---	6.6	34	25	14	9.7
AC-FT	---	---	---	---	---	---	---	1470	5540	3170	1080	719

e Estimated

RIO GRANDE BASIN

08253500 SANTISTEVAN CREEK NEAR COSTILLA, NM

LOCATION.--Lat 36°53'03", long 105°16'50", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 200 ft upstream from road crossing, 1,300 ft upstream from normal high-water line of Costilla Reservoir, 0.6 mi north of Costilla Dam, and 16 mi southeast of Costilla.

DRAINAGE AREA.--2.15 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records). Monthly discharge only for some periods, published in WSP 1312 and 1732.

REVISED RECORDS.--WSP 1923: Drainage area.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 9,490 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 27, 1940, water-stage recorder and wooden control at datum 0.99 ft lower.

REMARKS.--Records good. No diversions upstream from station. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20 ft³/s, June 29, 1995; maximum gage height, 1.73 ft, Aug. 11, 1941; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 20 ft³/s, at 2115 hours June 29, gage height 1.57; minimum daily 0.76 ft³/s, April 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	---	---	---	---	---	---	1.0	4.9	12	4.6	2.3
2	1.7	---	---	---	---	---	---	1.2	5.0	11	4.5	2.3
3	1.7	---	---	---	---	---	---	1.2	5.2	11	4.4	2.2
4	1.7	---	---	---	---	---	---	1.3	5.4	10	4.2	2.1
5	1.8	---	---	---	---	---	---	1.3	6.1	9.8	4.1	2.0
6	1.7	---	---	---	---	---	---	1.3	7.0	9.0	4.0	2.0
7	1.7	---	---	---	---	---	---	1.3	7.9	8.8	3.9	2.5
8	1.7	---	---	---	---	---	---	1.2	8.6	8.6	3.8	3.0
9	1.7	---	---	---	---	---	---	1.5	9.2	8.3	4.0	2.6
10	1.7	---	---	---	---	---	---	1.5	9.4	8.1	3.7	2.4
11	1.7	---	---	---	---	---	---	1.6	9.5	7.9	3.5	2.2
12	1.6	---	---	---	---	---	---	1.6	10	8.1	3.5	2.1
13	1.6	---	---	---	---	---	---	1.6	11	8.5	3.3	2.1
14	---	---	---	---	---	---	---	2.0	12	8.4	3.2	2.3
15	---	---	---	---	---	---	---	2.4	13	8.1	3.1	2.2
16	---	---	---	---	---	---	---	3.1	14	7.7	3.1	2.1
17	---	---	---	---	---	---	---	3.2	15	7.4	2.9	2.0
18	---	---	---	---	---	---	1.2	3.2	15	7.9	2.8	2.0
19	---	---	---	---	---	---	.83	3.2	16	7.1	2.8	2.0
20	---	---	---	---	---	---	.81	3.5	18	6.8	2.7	2.0
21	---	---	---	---	---	---	.79	4.0	17	6.6	3.0	2.0
22	---	---	---	---	---	---	.76	4.6	17	6.4	2.8	1.9
23	---	---	---	---	---	---	.81	4.9	16	6.2	2.6	1.8
24	---	---	---	---	---	---	.81	4.8	15	5.9	2.6	2.0
25	---	---	---	---	---	---	.82	4.8	14	5.7	2.8	2.1
26	---	---	---	---	---	---	.94	4.9	14	5.6	3.0	1.9
27	---	---	---	---	---	---	.96	5.1	13	5.5	2.8	1.8
28	---	---	---	---	---	---	1.0	5.0	13	5.3	2.6	1.9
29	---	---	---	---	---	---	1.1	5.1	13	5.1	2.5	1.9
30	---	---	---	---	---	---	1.1	4.9	13	4.8	2.4	1.9
31	---	---	---	---	---	---	---	4.2	---	4.2	2.2	---
TOTAL	---	---	---	---	---	---	---	91.2	347.2	236.4	101.5	63.6
MEAN	---	---	---	---	---	---	---	2.94	11.6	7.63	3.27	2.12
MAX	---	---	---	---	---	---	---	5.1	18	12	4.6	3.0
MIN	---	---	---	---	---	---	---	1.0	4.9	4.8	2.3	1.8
AC-FT	---	---	---	---	---	---	---	181	689	469	201	126

RIO GRANDE BASIN

08253900 COSTILLA RESERVOIR NEAR COSTILLA, NM

LOCATION.--Lat 36°52'36", long 105°16'45", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on face of Costilla Dam on Costilla Creek, 16 mi southeast of Costilla, and at mile 34.8.

DRAINAGE AREA.--54.6 mi².

PERIOD OF RECORD.--May 1922 to September 1965 (monthend contents only), October 1965 to September 1983, April 1990 to current year. Records prior to October 1960 published in WSP 1732. Prior to October 1966, published as Costilla Lake near Costilla.

REVISED RECORDS.--WSP 1923: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Elevation of gage is 9,300 above National Geodetic Vertical datum of 1929, from topographic map.

REMARKS.--Records good except for estimated periods which are poor. Reservoir is formed by earthfill dam faced with rock. Storage began in 1920. Diversions for irrigation of about 1,300 acres above Reservoir. Reservoir is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 16,500 acre-ft June 1-4, 1994, June 19-22, 1995, gage height, 107.61 ft; no storage October 1925 to February 1926, September 1956, Aug. 22 to Sept. 24, 1972, July 29 to Sept. 7, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,500 acre-ft, June 19-22, maximum gage-height, 107.61 ft, June 20; minimum contents, 4,230 acre-ft, Oct. 1, gage height, 68.10 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4230	5050	5790	6360	6930	7490	8370	9650	12500	16400	14800	10700
2	4250	5080	5810	6390	6950	7510	8400	9740	12600	16400	14700	10700
3	4270	5110	5830	6400	6960	7540	8430	9800	12800	16400	14500	10600
4	4300	5130	5850	6410	6980	7550	8460	9850	12900	16300	14400	10400
5	4330	5160	5880	6450	e7000	7570	8490	9950	13100	16300	14400	10200
6	4360	5200	5900	6460	7020	7590	8530	10000	13400	16300	14300	10100
7	4390	5230	5920	6490	7030	7610	8570	10100	13700	16300	14100	9910
8	4410	5260	5940	6500	7060	7630	8620	10100	14000	16300	13900	9880
9	4440	5290	5950	6520	7070	7650	8670	10200	14200	16300	13700	9900
10	4470	5310	5970	6540	e7090	7680	8690	10300	14500	16200	13500	9860
11	4490	5340	5990	6550	7100	7710	8710	10300	14700	16200	13400	9710
12	4520	5390	6010	6570	e7120	7730	8760	10300	15000	16200	13400	9580
13	4540	5400	6030	6580	e7140	7750	8820	10400	15200	16300	13300	9450
14	4570	5420	6050	6610	e7160	7780	8850	10400	15500	16300	13100	9340
15	4600	5440	6070	6630	e7180	7810	8890	10500	15900	16300	12800	9290
16	4630	5460	6080	6640	e7200	e7820	8930	10600	16200	16200	12600	9290
17	4660	5470	6100	6660	e7220	e7860	8950	10700	16400	16200	12300	9270
18	4690	5490	6110	6670	e7240	e7900	9000	10800	16400	16100	12300	9150
19	4720	5520	6140	6690	e7260	e7950	9050	10900	16500	16100	12300	9030
20	4740	5550	6150	6710	e7270	e8000	9070	10900	16500	16000	12200	8930
21	4780	5570	6170	6730	e7290	e8060	9120	11000	16500	15900	12000	8850
22	4810	5590	6190	6750	e7310	8100	9160	11100	16500	15900	11700	8790
23	4840	5610	6190	6770	7330	8130	9210	11200	16400	15900	11500	8770
24	4860	5630	6220	6780	7360	8160	9240	11300	16400	15800	11300	8760
25	4890	5660	6240	6800	7400	8190	9280	11400	16400	15600	11300	8730
26	4920	5680	6260	6820	7420	8210	9350	11500	16400	15500	11300	8700
27	4940	5700	6280	6840	7440	8240	9390	11700	16400	15400	11300	8690
28	4970	5720	e6290	6860	7470	8270	9450	11900	16400	15300	11100	8670
29	4990	5740	6310	6880	---	8290	9530	12000	16400	15300	11000	8710
30	5010	5770	6330	6890	---	8310	9590	12200	16400	15200	10900	8750
31	5030	---	6360	6910	---	8340	---	12400	---	15000	10700	---
MAX	5030	5770	6360	6910	7470	8340	9590	12400	16500	16400	14800	10700
MIN	4230	5050	5790	6360	6930	7490	8370	9650	12500	15000	10700	8670
(†)	71.92	75.16	77.55	79.75	81.80	84.94	89.05	97.21	107.45	104.25	92.53	86.31
(††)	+820	+740	+590	+550	+560	+870	+1250	+2810	+4000	-1400	-4300	-1900

CAL YR 1994 MAX 16500 MIN 4210 AC-FT (††) +390
WTR YR 1995 MAX 16500 MIN 4230 AC-FT (††) +4540

e Estimated

(†) GAGE HEIGHT, IN FEET, AT END OF MONTH
(††) CHANGE IN CONTENTS, IN ACRE-Feet

RIO GRANDE BASIN

08254000 COSTILLA CREEK BELOW COSTILLA DAM, NM

LOCATION.--Lat 36°52'26", Long 105°16'47", Taos County, Hydrologic Unit 13020101, in Sangre de Cristo Grant, on right bank approximately 1,000 ft downstream from Costilla Dam, 16 mi southeast of Costilla, and at mile 34.5.

DRAINAGE AREA.--54.6 mi².

PERIOD OF RECORD.--April 1937 to current year (seasonal records 1937-44, 1947-49, 1988-95). Monthly discharge only for some periods, published in WSP 1312. Prior to October 1951, published as "below reservoir near Costilla."

REVISED RECORDS.--WSP 1923: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 9,290 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Nov. 7, 1989, at site 500 ft upstream at different datum.

REMARKS.--Records good. Flow regulated by Costilla Reservoir (station 08253900). Diversions for irrigation of about 1,300 acres upstream from reservoir. Several observations of water temperature were made during the year.

AVERAGE DISCHARGE.--41 years (water years 1945-47, 1950-87), 18.6 ft³/s, 13,480 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 366 ft³/s, July 29, 1994, gage height, 3.57 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge during period of seasonal operation, 166 ft³/s, June 20; minimum daily, no flow April 19-25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	---	---	---	---	---	---	.78	55	143	138	52
2	.52	---	---	---	---	---	---	.86	26	128	134	22
3	.52	---	---	---	---	---	---	.83	14	116	134	45
4	.52	---	---	---	---	---	---	.84	14	113	71	126
5	.55	---	---	---	---	---	---	.88	14	105	35	115
6	.52	---	---	---	---	---	---	.88	7.7	97	66	111
7	.53	---	---	---	---	---	---	.88	2.7	90	158	111
8	.52	---	---	---	---	---	---	.88	2.7	86	141	54
9	.54	---	---	---	---	---	---	3.2	2.8	83	137	21
10	.56	---	---	---	---	---	---	17	2.9	80	141	43
11	.59	---	---	---	---	---	---	17	2.9	77	103	101
12	.60	---	---	---	---	---	---	17	3.1	75	32	90
13	---	---	---	---	---	---	---	17	3.1	76	63	87
14	---	---	---	---	---	---	---	17	3.1	81	155	87
15	---	---	---	---	---	---	---	17	3.1	86	159	47
16	---	---	---	---	---	---	---	17	26	91	156	23
17	---	---	---	---	---	---	---	17	90	106	149	36
18	---	---	---	---	---	---	---	29	140	110	68	79
19	---	---	---	---	---	---	---	.00	43	160	108	26
20	---	---	---	---	---	---	---	.00	43	166	107	56
21	---	---	---	---	---	---	.00	43	165	80	146	65
22	---	---	---	---	---	---	.00	43	157	68	141	43
23	---	---	---	---	---	---	.00	43	148	77	132	27
24	---	---	---	---	---	---	.00	44	140	109	127	32
25	---	---	---	---	---	---	.00	46	133	111	62	40
26	---	---	---	---	---	---	.01	26	124	116	25	31
27	---	---	---	---	---	---	.34	13	119	119	50	29
28	---	---	---	---	---	---	.81	13	116	74	108	29
29	---	---	---	---	---	---	.80	13	120	50	100	10
30	---	---	---	---	---	---	.81	13	149	72	96	1.6
31	---	---	---	---	---	---	---	36	---	140	95	---
TOTAL	---	---	---	---	---	---	---	594.03	2110.1	2974	3204	1700.6
MEAN	---	---	---	---	---	---	---	19.2	70.3	95.9	103	56.7
MAX	---	---	---	---	---	---	---	46	166	143	159	126
MIN	---	---	---	---	---	---	---	.78	2.7	50	25	1.6
AC-FT	---	---	---	---	---	---	---	1180	4190	5900	6360	3370

RIO GRANDE BASIN

08261000 COSTILLA CREEK AT GARCIA, CO

LOCATION.--Lat 36°59'21", long 105°31'54". Taos County. Hydrologic Unit 13020101, in Sangre de Cristo Grant, on left bank 0.4 mi downstream from old State Highway 3, 0.5 mi upstream from New Mexico-Colorado State line, 0.9 mi south of Garcia, and at mile 13.3.

DRAINAGE AREA.--200 mi², approximately.

PERIOD OF RECORD.--June 1944 to current year (seasonal records).

GAGE.--Water-stage recorder. Concrete control since Oct. 9, 1956. Elevation of gage is 7,760 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Apr. 20, 1950, at site 0.4 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow partly regulated by Costilla Reservoir (station 08253900) 22 mi upstream. Several observations of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 444 ft³/s, June 1, 1983, gage height, 4.91 ft; no flow for many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--A major flood occurred in 1886, from information by local residents. Flood of May 11, 1942, probably reached a discharge of 1,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 209 ft³/s, at 0900 hours June 20, gage height, 4.02 ft; minimum daily, no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	---	---	---	---	---	---	40	119	90	13	6.2
2	.00	---	---	---	---	---	---	31	106	90	9.9	3.6
3	.00	---	---	---	---	---	---	39	104	94	7.2	2.5
4	.00	---	---	---	---	---	---	20	102	109	3.1	19
5	.00	---	---	---	---	---	---	26	95	76	1.7	17
6	1.3	---	---	---	---	---	---	27	102	62	1.6	8.1
7	.02	---	---	---	---	---	---	13	101	53	2.7	13
8	.00	---	---	---	---	---	---	13	99	48	6.1	17
9	.00	---	---	---	---	---	---	9.7	96	40	4.5	5.8
10	.00	---	---	---	---	---	---	5.5	91	33	3.8	5.0
11	.00	---	---	---	---	---	---	16	79	25	26	19
12	.00	---	---	---	---	---	---	22	36	19	27	15
13	---	---	---	---	---	---	---	20	28	12	6.6	3.1
14	---	---	---	---	---	---	---	28	27	15	6.9	2.6
15	---	---	---	---	---	---	---	54	23	14	8.4	5.0
16	---	---	---	---	---	---	---	70	27	14	11	1.4
17	---	---	---	---	---	---	---	81	68	17	11	1.3
18	---	---	---	---	---	---	---	73	140	27	9.3	11
19	---	---	---	---	---	---	e.00	83	160	22	7.4	11
20	---	---	---	---	---	---	e.00	87	153	22	7.5	9.6
21	---	---	---	---	---	---	.00	91	140	14	16	5.1
22	---	---	---	---	---	---	.00	87	106	12	31	5.4
23	---	---	---	---	---	---	.00	91	91	11	20	1.6
24	---	---	---	---	---	---	.00	95	87	12	16	2.4
25	---	---	---	---	---	---	.00	91	77	11	11	16
26	---	---	---	---	---	---	.00	83	63	8.1	6.1	6.5
27	---	---	---	---	---	---	1.6	65	56	10	7.0	4.7
28	---	---	---	---	---	---	.78	53	48	9.7	22	5.2
29	---	---	---	---	---	---	22	87	53	5.2	14	6.6
30	---	---	---	---	---	---	61	84	88	5.8	8.8	4.8
31	---	---	---	---	---	---	---	104	---	12	7.2	---
TOTAL	---	---	---	---	---	---	---	1689.2	2565	992.8	333.9	234.5
MEAN	---	---	---	---	---	---	---	54.5	85.5	32.0	10.8	7.82
MAX	---	---	---	---	---	---	---	104	160	109	31	19
MIN	---	---	---	---	---	---	---	5.5	23	5.2	1.6	1.3
AC-FT	---	---	---	---	---	---	---	3350	5090	1970	662	465

e Estimated

RIO GRANDE BASIN

08265000 RED RIVER NEAR QUESTA, NM

LOCATION.--Lat 36°42'12", long 105°34'04", in NE¼ sec. 32, T.29 N., R.13 E. (projected), Taos County, Hydrologic Unit 13020101, in Carson National Forest, on left bank 1.3 mi upstream from Cabresto Creek, 1.5 mi east of Questa, and at mile 9.0.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--April to October 1910 and January to September 1911 (gage heights and discharge measurements only), October 1912 to March 1924, May 1924 to September 1925, January to March 1926, September 1926 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Rio Colorado above Questa" 1910-11, 1926-30, and as "Rio Colorado near Questa" 1912-25, 1930-48.

REVISED RECORDS.--WSP 808: 1935. WSP 1392: 1913, 1932, 1941, 1947-48. WSP 1712: Drainage area.

GAGE.--Water-stage recorder. Wood or concrete control since Mar. 20, 1936. Datum of gage is 7,451.92 ft above

National Geodetic Vertical Datum of 1929. See WSP 1923 for history of changes prior to Oct. 4, 1938.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions for irrigation of a few hundred acres upstream from station. Figures of discharge do not include flow in South ditch which diverts from left bank 1,500 ft upstream and bypasses gage for irrigation and stock water downstream. January 1966 to December 1991 surface and ground-water diversions by Molybdenum Corp. of America (Molycorp) refinery 5.5 mi upstream bypass gage in tailings pipelines on left bank and discharge into settling pond 3 mi downstream. Effluent from this pond enters Red River as surface water and is included in discharge at Red River below Fish Hatchery, near Questa (station 08266820). Several observations of water temperature were made during year.

AVERAGE DISCHARGE.--52 years (water years 1913-25, 1927-65), 55.9 ft³/s, 40,500 acre-ft/yr, prior to extensive upstream diversions by Molycorp.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	26	19	19	19	24	29	58	196	258	87	54
2	27	26	21	e18	18	23	29	66	215	254	82	52
3	26	30	21	e17	18	24	28	72	241	246	77	50
4	26	28	22	e18	18	24	27	70	251	230	74	49
5	27	27	23	e18	18	24	29	76	246	209	72	47
6	37	27	23	e18	19	25	33	75	259	201	70	46
7	31	28	23	e17	19	23	37	73	266	199	68	52
8	30	30	24	e18	19	22	44	72	261	195	68	69
9	29	29	18	e18	19	23	50	74	258	191	66	59
10	28	27	14	e18	19	24	46	74	265	195	66	57
11	28	28	18	e19	19	25	42	78	260	192	63	55
12	27	39	19	e19	19	26	42	84	259	190	64	51
13	27	41	22	e17	19	25	44	85	289	184	63	48
14	27	33	22	e17	21	26	47	87	316	178	61	46
15	30	27	21	e18	20	26	48	111	342	175	60	46
16	31	28	20	e17	19	28	48	159	346	171	58	43
17	31	29	20	e16	19	28	50	184	359	165	57	42
18	29	25	20	e17	19	29	47	e180	358	165	55	42
19	29	27	21	e19	20	32	48	171	354	156	54	41
20	29	27	21	e19	21	34	46	158	354	150	53	39
21	29	26	21	e18	21	36	45	170	346	145	53	37
22	28	26	21	19	21	43	42	209	342	136	53	37
23	28	22	22	18	22	41	41	225	311	129	58	36
24	27	23	21	20	22	41	40	213	294	121	60	39
25	27	24	21	19	22	40	40	190	280	116	69	45
26	27	25	21	20	23	35	43	185	272	110	71	40
27	26	23	21	19	23	34	48	185	264	107	65	37
28	26	18	20	19	23	34	50	174	258	97	75	38
29	27	15	20	19	---	33	54	193	257	94	64	45
30	26	15	21	17	---	28	58	193	267	92	60	47
31	26	---	21	19	---	28	---	200	---	90	57	---
TOTAL	874	799	642	564	559	908	1275	4144	8586	5141	2003	1389
MEAN	28.2	26.6	20.7	18.2	20.0	29.3	42.5	134	286	166	64.6	46.3
MAX	37	41	24	20	23	43	58	225	359	258	87	69
MIN	26	15	14	16	18	22	27	58	196	90	53	36
AC-FT	1730	1580	1270	1120	1110	1800	2530	8220	17030	10200	3970	2760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1995, BY WATER YEAR (WY)

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	23.0	16.9	12.0	11.9	12.4	15.7	37.8	118	143	65.8	40.4	29.5																		
MAX	38.1	32.8	25.3	25.2	22.8	40.0	84.1	267	405	172	70.6	62.2																		
(WY)	1986	1987	1994	1994	1988	1989	1985	1979	1979	1979	1966	1991																		
MIN	7.93	8.09	3.88	3.91	4.81	5.11	9.73	17.5	22.7	14.6	11.8	8.81																		
(WY)	1973	1977	1975	1973	1977	1977	1971	1977	1977	1971	1972	1978																		

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1966 - 1995
ANNUAL TOTAL	26363	26884	
ANNUAL MEAN	72.2	73.7	44.0
HIGHEST ANNUAL MEAN			87.6
LOWEST ANNUAL MEAN			11.8
HIGHEST DAILY MEAN	399	Jun 4	557
LOWEST DAILY MEAN	14	Dec 10	2.5
ANNUAL SEVEN-DAY MINIMUM	19	Nov 28	3.1
INSTANTANEOUS PEAK FLOW			400
INSTANTANEOUS PEAK STAGE			4.48
INSTANTANEOUS LOW FLOW			14
ANNUAL RUNOFF (AC-FT)	52290	53320	31850
10 PERCENT EXCEEDS	210	209	111
50 PERCENT EXCEEDS	33	37	22
90 PERCENT EXCEEDS	22	19	7.6

e Estimated

a-From rating curve extended above 450 ft³/s.

RIO GRANDE BASIN

08266000 CABRESTO CREEK NEAR QUESTA, NM

LOCATION.--Lat 36°43'50". long 105°33'12". in SE¼SE¼ sec.21, T.29 N., R.13 E., Taos County, Hydrologic Unit 13020101, in Carson National Forest, on right bank 900 ft downstream from Llano ditch heading, 2.6 mi downstream from Lake Fork, 3 mi northeast of Questa, and at mile 3.5.

DRAINAGE AREA.--36.7 mi².

PERIOD OF RECORD.--September 1943 to current year.

REVISED RECORDS.--WSP 1712: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,845 ft above National Geodetic Vertical Datum of 1929, from river-profile map.

REMARKS.--Records good. Llano ditch (station 08265500), the only diversion upstream from station, diverts from right bank 900 ft upstream from gage for irrigation of about 800 acres downstream. See tabulation below for monthly diversion of Llano ditch (records of daily discharge available in District files). Flow regulated by Cabresto Reservoir (capacity, 732 acre-feet, after reconstruction in 1928) on Lake Fork 1 mi upstream from mouth. Present capacity of Cabresto Reservoir is 1,100 acre-feet after further rehabilitation between 1959 and 1961. Several observations of water temperature were made during year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 25, 1942, may have exceeded the maximum of record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.4	7.9	6.2	6.2	6.9	11	18	59	66	e16	16
2	13	9.3	8.0	6.6	6.3	6.7	11	18	65	62	e16	15
3	13	10	7.7	6.4	6.3	6.4	11	17	88	57	e16	15
4	12	9.7	7.6	6.3	6.3	6.3	11	17	99	54	e17	15
5	12	8.9	7.6	6.4	6.3	6.4	12	18	102	47	e17	14
6	14	9.4	7.6	6.4	6.4	6.7	13	17	107	38	e16	14
7	13	9.6	7.5	6.3	6.5	5.6	15	17	126	28	e17	14
8	13	9.9	7.6	6.3	6.4	5.4	17	17	124	28	e16	16
9	13	9.7	6.6	6.3	6.3	5.7	16	17	119	24	e17	16
10	12	9.3	5.8	6.3	6.1	6.0	7.6	19	111	22	e16	15
11	12	9.5	7.3	6.3	6.1	6.3	8.8	21	112	20	e17	15
12	12	11	7.5	6.3	6.1	6.6	12	22	112	20	e16	14
13	11	11	7.6	6.3	6.1	6.6	12	22	112	18	e16	14
14	11	9.7	7.4	6.3	6.1	6.8	13	27	115	20	e17	14
15	12	8.8	7.2	6.3	6.0	7.2	13	40	116	23	e16	14
16	12	9.1	7.1	6.4	5.7	7.8	13	59	109	22	e17	11
17	12	9.0	7.2	6.3	5.5	7.9	14	65	114	21	e16	7.7
18	11	8.1	7.1	4.5	5.5	8.1	13	57	118	21	e16	7.7
19	11	5.8	7.1	5.2	5.6	9.2	14	57	114	e18	e17	7.8
20	11	5.4	6.9	6.3	5.8	9.6	14	62	114	e17	e16	7.9
21	11	8.5	6.8	6.6	6.1	11	14	67	109	e17	e16	8.0
22	11	8.8	6.8	6.4	6.1	13	13	68	103	e16	e17	8.1
23	11	7.6	6.7	5.8	6.2	14	13	75	95	e16	e16	8.0
24	11	7.9	6.6	6.4	6.3	14	13	77	90	e17	e16	8.7
25	10	8.4	6.5	6.3	6.5	13	13	74	86	e17	18	10
26	10	7.3	6.5	6.3	6.8	12	14	69	82	e16	17	9.1
27	9.7	7.1	6.6	6.1	6.8	12	14	65	76	e16	18	8.5
28	9.6	6.9	6.6	6.1	6.9	12	14	61	67	e17	17	9.0
29	9.7	6.3	6.6	6.1	---	12	15	59	69	e17	16	9.8
30	9.7	6.7	6.6	5.3	---	11	18	58	69	e16	16	10
31	9.5	---	6.6	6.3	---	11	---	57	---	e16	16	---
TOTAL	355.2	258.1	219.2	191.4	173.3	273.2	392.4	1337	2982	807	511	352.3
MEAN	11.5	8.60	7.07	6.17	6.19	8.81	13.1	43.1	99.4	26.0	16.5	11.7
MAX	14	11	8.0	6.6	6.9	14	18	77	126	66	18	16
MIN	9.5	5.4	5.8	4.5	5.5	5.4	7.6	17	59	16	16	7.7
AC-FT	705	512	435	380	344	542	778	2650	5910	1600	1010	699
(†)	---	---	---	---	---	---	135	872	1120	1030	236	0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1995, BY WATER YEAR (WY)

	MEAN	6.60	5.40	4.63	4.51	4.61	5.54	13.5	34.3	23.9	11.6	9.79	7.75
MAX	13.1	10.1	8.14	8.11	7.19	12.8	29.5	99.5	99.4	27.4	20.9	13.8	
(WY)	1986	1994	1958	1991	1991	1989	1985	1994	1995	1979	1957	1957	
MIN	2.68	2.73	2.43	2.30	2.32	2.96	6.70	7.88	5.77	4.55	4.33	2.94	
(WY)	1957	1978	1964	1964	1964	1964	1973	1963	1946	1946	1956	1972	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1944 - 1995
ANNUAL TOTAL	7652.8	7852.1	
ANNUAL MEAN	21.0	21.5	11.0
HIGHEST ANNUAL MEAN			22.9
LOWEST ANNUAL MEAN			5.31
HIGHEST DAILY MEAN	253	May 21	253
LOWEST DAILY MEAN	5.1	Feb 23	5.1
ANNUAL SEVEN-DAY MINIMUM	5.6	Feb 17	1.4
INSTANTANEOUS PEAK FLOW			289
INSTANTANEOUS PEAK STAGE			5.41
INSTANTANEOUS LOW FLOW			.44
ANNUAL RUNOFF (AC-FT)	15180	15570	8000
10 PERCENT EXCEEDS	51	65	17
50 PERCENT EXCEEDS	11	12	6.8
90 PERCENT EXCEEDS	6.4	6.3	3.5

e Estimated

CAL YR 1994 AC-FT (†) 1950

WTR YR 1995 AC-FT (†) 3390

(†) DIVERSIONS, IN ACRE-FEET, BY LLANO DITCH

RIO GRANDE BASIN

08266820 RED RIVER BELOW FISH HATCHERY, NEAR QUESTA, NM

LOCATION.--Lat 36°40'54", long 105°39'21", in NW1/4 sec.10, T.28 N., R.12 E., Taos County, Hydrologic Unit 13020101, on right bank 0.3 mi downstream from State Fish Hatchery, 3.5 mi upstream from mouth, and 3.7 mi southwest of Questa.

DRAINAGE AREA.--185 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1969 to July 1978 (discharge measurements only), August 1978 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,070 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Aug. 16, 1979, at site about 250 ft upstream at datum 5.55 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions for irrigation of about 3,000 acres upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	53	48	43	46	47	55	92	313	e360	117	82
2	55	53	50	44	45	48	53	99	329	e355	106	79
3	55	62	50	49	44	48	53	107	375	e340	102	76
4	55	60	51	48	44	48	52	106	393	e320	99	73
5	55	56	53	49	45	48	53	116	397	e295	96	71
6	69	57	55	48	45	50	60	121	417	e280	94	73
7	62	58	53	47	46	45	68	120	463	e275	91	79
8	60	60	53	49	46	44	75	122	461	e270	91	107
9	58	59	46	48	46	45	77	125	452	e270	89	96
10	57	57	38	48	45	46	69	131	425	e275	89	93
11	56	57	45	48	45	46	63	138	404	e270	89	91
12	55	77	47	48	45	48	64	147	403	e265	90	85
13	54	79	50	47	45	47	67	151	430	e260	91	81
14	53	67	50	46	52	48	70	158	459	e250	88	79
15	59	59	46	49	48	49	71	195	503	e240	83	79
16	64	60	47	49	45	51	70	256	521	e230	76	76
17	68	61	47	46	44	52	75	307	550	e225	77	73
18	63	54	48	37	45	53	71	284	549	e215	76	73
19	63	58	48	36	46	56	73	269	542	e205	73	73
20	62	58	48	42	47	59	70	264	535	199	71	70
21	62	60	48	47	46	61	69	288	502	189	71	69
22	61	61	48	46	46	70	69	327	466	181	70	69
23	60	54	49	38	47	69	68	347	430	173	77	67
24	59	55	49	43	47	69	67	333	408	163	82	71
25	59	57	48	45	47	68	65	311	398	155	94	81
26	57	58	49	46	49	62	68	304	392	145	99	73
27	56	55	48	45	48	62	72	303	e370	136	92	68
28	56	47	47	44	48	63	76	293	e360	131	107	68
29	55	42	47	45	---	60	81	315	e360	127	94	77
30	55	41	49	38	---	54	89	306	e360	121	90	81
31	54	---	49	43	---	55	---	310	---	118	87	---
TOTAL	1812	1735	1504	1401	1292	1671	2033	6745	12967	7038	2751	2333
MEAN	58.5	57.8	48.5	45.2	46.1	53.9	67.8	218	432	227	88.7	77.8
MAX	69	79	55	49	52	70	89	347	550	360	117	107
MIN	53	41	38	36	44	44	52	92	313	118	70	67
AC-FT	3590	3440	2980	2780	2560	3310	4030	13380	25720	13960	5460	4630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1995, BY WATER YEAR (WY)

	54.4	47.9	43.6	44.0	44.6	49.0	83.5	212	237	113	73.3	63.0
MEAN	54.4	47.9	43.6	44.0	44.6	49.0	83.5	212	237	113	73.3	63.0
MAX	71.0	59.2	51.0	55.3	57.9	72.0	144	374	520	227	95.3	86.9
(WY)	1986	1992	1987	1992	1992	1989	1985	1994	1979	1995	1993	1986
MIN	29.0	33.0	28.2	31.4	31.5	35.1	39.7	50.5	56.8	43.1	42.1	31.2
(WY)	1979	1979	1979	1979	1981	1981	1981	1981	1981	1981	1981	1978

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1978 - 1995

ANNUAL TOTAL	41277		43282									
ANNUAL MEAN	113		119							89.1		
HIGHEST ANNUAL MEAN										129		1979
LOWEST ANNUAL MEAN										41.9		1981
HIGHEST DAILY MEAN	598	May 20	550	Jun 17	676	May 27	1979					
LOWEST DAILY MEAN	38	Dec 10	36	Jan 19	26	Oct 10	1978					
ANNUAL SEVEN-DAY MINIMUM	46	Dec 9	41	Jan 18	26	Dec 9	1978					
INSTANTANEOUS PEAK FLOW			579	Jun 18	755	Jun 8	1979					
INSTANTANEOUS PEAK STAGE			4.34	Jun 18	a5.30	Jun 8	1979					
INSTANTANEOUS LOW FLOW			22	Jan 19	21	Dec 14	1986					
ANNUAL RUNOFF (AC-FT)	81870		85850							64510		
10 PERCENT EXCEEDS	283		317							180		
50 PERCENT EXCEEDS	63		67							56		
90 PERCENT EXCEEDS	50		46							38		

e Estimated

a-Site and datum then in use.

RIO GRANDE BASIN

08266820 RED RIVER BELOW FISH HATCHERY, NEAR QUESTA, NM --Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-1987, June To September 1994

DATA NOT PREVIOUSLY PUBLISHED

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	BAROMETRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CAC03) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JUN 1994													
30...	0931	157	243	8.0	--	9.5	592	9.2	104	--	--	--	
JUL													
10...	1215	106	336	7.8	24.5	22.0	588	8.6	129	130	64	38	
20...	1000	83	360	7.9	19.5	12.0	592	8.3	100	150	89	44	
30...	1100	76	374	7.9	19.0	15.5	593	8.5	110	150	81	45	
AUG													
09...	1030	63	386	7.9	25.0	13.0	596	8.6	105	160	96	47	
19...	1000	63	402	7.9	21.5	17.0	590	8.1	110	160	89	47	
29...	0800	65	393	8.0	14.0	12.0	594	8.2	98	160	85	45	
SEP													
11...	1425	64	--	--	19.5	17.0	592	6.7	--	--	--	--	
DATE		MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	ALKALINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JUN 1994													
30...	--	--	--	--	--	66	54	--	--	--	--	--	--
JUL													
10...	8.0	9.7	0.4	1.4	78	64	61	--	--	--	--	14	--
20...	9.9	13	0.5	1.9	75	62	66	98	5.2	0.90	17	217	
30...	10	13	0.5	1.9	88	72	67	100	6.8	0.90	17	249	
AUG													
09...	11	15	0.5	1.8	81	67	68	110	5.2	1.0	18	257	
19...	11	15	0.5	1.9	90	74	70	110	5.2	1.0	19	263	
29...	11	14	0.5	1.8	89	73	67	110	5.1	1.0	18	253	
SEP													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	ALUMINUM, DIS-SOLVED (UC/L AS AL) (01106)	ANTIMONY, DIS-SOLVED (UC/L AS SB) (01095)	ARSENIC, DIS-SOLVED (UC/L AS AS) (01000)	BARIUM, DIS-SOLVED (UC/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UC/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UC/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UC/L AS CR) (01030)	COBALT, DIS-SOLVED (UC/L AS CO) (01035)	COPPER, DIS-SOLVED (UC/L AS CU) (01040)	IRON, DIS-SOLVED (UC/L AS FE) (01046)	LEAD, DIS-SOLVED (UC/L AS PB) (01049)
JUN 1994													
30...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
10...	--	120	<1	<1	33	<1	<1.0	<1	2	4	<3	<1	
20...	227	110	<1	<1	37	<1	1.0	1	2	19	4	<1	
30...	238	100	<1	<1	38	<1	<1.0	<1	2	4	8	<1	
AUG													
09...	249	100	<1	1	36	<1	<1.0	<1	2	3	<3	<1	
19...	255	80	<1	1	36	<1	<1.0	<1	2	3	7	<1	
29...	250	80	<1	1	34	<1	<1.0	2	2	4	3	<1	
SEP													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--

RIO GRANDE BASIN

08266820 RED RIVER BELOW FISH HATCHERY, NEAR QUESTA, NM --Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
JUN 1994												
30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
10...	340	--	22	12	<1	<1.0	46	--	--	--	--	2.0
20...	360	<0.1	28	11	<1	<1.0	44	--	--	--	--	2.0
30...	350	<0.1	31	10	<1	<1.0	61	--	--	--	--	2.0
AUG												
09...	380	<0.1	34	10	<1	<1.0	41	--	--	--	--	2.0
19...	370	<0.1	34	10	<1	<1.0	49	--	--	--	--	2.0
29...	420	<0.1	33	12	<1	<1.0	46	--	--	--	--	2.0
SEP												
11...	--	--	--	--	--	--	--	<2.0	5.0	250	590	--

RIO GRANDE BASIN

08267500 RIO HONDO NEAR VALDEZ. NM

LOCATION.--Lat 36°32'30", Long 105°33'21", Teas County, Hydrologic Unit 13020101, in Carson National Forest, on right bank 500 ft upstream from first diversion, 1.6 mi east of Valdez, 3.8 mi downstream from South Fork, and at mile 9.2.

DRAINAGE AREA.--36.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1934 to current year.

REVISED RECORDS.--WSP 1342: 1935. WSP 1712: Drainage area. WSP 1732: 1942(M).

GAGE.--Water-stage recorder. Concrete control since Oct. 28, 1938. Elevation of gage is 7,650 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 28, 1938, at datum 1.92 ft lower.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	17	e15	13	e12	20	22	43	160	199	82	36
2	19	17	16	13	e13	19	22	51	178	201	78	37
3	18	19	16	12	e13	18	22	59	211	208	76	37
4	19	18	16	12	e13	17	22	55	207	205	74	36
5	19	17	17	13	15	17	23	62	201	204	72	35
6	22	18	18	13	15	18	27	64	249	195	69	35
7	20	19	17	13	15	18	30	60	282	190	65	39
8	20	20	16	12	15	17	35	57	318	186	63	48
9	19	19	e14	12	15	17	40	50	278	184	61	42
10	18	18	e13	12	14	18	37	51	241	188	59	43
11	18	19	e13	12	14	20	33	59	261	187	57	40
12	18	31	e14	12	13	23	30	66	255	182	57	37
13	17	30	15	12	13	22	30	67	278	175	55	35
14	17	23	15	13	14	23	34	69	325	174	53	35
15	19	20	e13	12	13	26	36	86	318	163	52	34
16	20	20	e13	12	13	30	36	122	339	154	52	34
17	20	20	e13	12	13	30	36	142	368	156	50	33
18	19	18	e13	e11	13	30	34	112	374	160	48	34
19	19	19	e13	e11	13	36	32	110	375	155	46	33
20	19	19	e13	e11	14	37	30	128	403	151	43	32
21	19	18	13	e11	16	40	28	152	352	145	42	32
22	19	18	13	e11	17	45	26	175	340	138	42	32
23	19	18	13	e11	18	42	26	182	303	130	41	30
24	19	18	e13	e11	19	40	25	163	264	122	41	31
25	19	17	13	e11	21	36	26	147	252	114	42	32
26	19	17	13	e12	21	32	28	144	254	107	43	30
27	18	e16	13	e12	20	29	32	143	227	103	42	29
28	18	e14	13	e12	20	27	34	145	214	97	45	33
29	18	e14	13	e12	---	25	37	152	204	92	40	38
30	18	e14	13	e12	---	24	40	155	199	88	37	36
31	17	---	13	e12	---	23	---	158	---	88	37	---
TOTAL	583	565	436	370	425	819	913	3229	8230	4841	1664	1058
MEAN	18.8	18.8	14.1	11.9	15.2	26.4	30.4	104	274	156	53.7	35.3
MAX	22	31	18	13	21	45	40	182	403	208	82	48
MIN	17	14	13	11	12	17	22	43	160	88	37	29
AC-FT	1160	1120	865	734	843	1620	1810	6400	16320	9600	3300	2100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1995, BY WATER YEAR (WY)

MEAN	18.6	15.0	12.2	10.8	10.8	14.4	35.0	97.6	117	49.8	29.5	22.7
MAX	43.5	35.8	23.1	20.1	16.6	36.4	92.4	246	299	156	60.3	53.2
(WY)	1942	1942	1942	1942	1942	1989	1937	1941	1979	1995	1957	1993
MIN	10.8	8.28	7.52	6.03	6.08	7.60	11.1	20.6	26.4	14.6	10.9	9.87
(WY)	1957	1952	1964	1935	1935	1964	1977	1971	1963	1972	1972	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1935 - 1995
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ANNUAL TOTAL	19401.6		23133				
ANNUAL MEAN	53.2		63.4			36.1	
HIGHEST ANNUAL MEAN						69.9	1942
LOWEST ANNUAL MEAN						15.6	1971
HIGHEST DAILY MEAN	292	Jun 4	403	Jun 20		416	May 13 1941
LOWEST DAILY MEAN	8.4	Jan 26	11	Jan 18		3.0	Jan 21 1935
ANNUAL SEVEN-DAY MINIMUM	9.1	Jan 20	11	Jan 18		4.2	Jan 18 1935
INSTANTANEOUS PEAK FLOW			460	Jun 20		541	May 13 1941
INSTANTANEOUS PEAK STAGE			3.98	Jun 20		4.89	Feb 2 1994
INSTANTANEOUS LOW FLOW			11	Jan 18		1.0	Jan 27 1942
ANNUAL RUNOFF (AC-FT)	38480		45880			26190	
10 PERCENT EXCEEDS	164		187			87	
50 PERCENT EXCEEDS	25		30			18	
90 PERCENT EXCEEDS	10		13			10	

e Estimated

a-Result of freeze-up.

RIO GRANDE BASIN

08267500 RIO HONDO NEAR VALDEZ, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD to current year.--Water years 1963, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1994 23...	0900	19	202	7.6	-8.0	0.0	577	12.1	110	<10
MAR 1995 28...	1600	27	161	7.4	10.0	6.0	567	12.2	132	<10
APR 27...	1200	32	122	7.6	15.0	4.0	568	12.1	124	<10
JUN 13...	0840	275	99	7.1	13.5	4.5	578	9.8	100	14
JUL 18...	1530	162	107	7.7	17.0	9.0	576	8.6	99	<10
AUG 30...	1200	36	169	8.1	25.0	9.0	624	8.2	87	<10

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)
NOV 1994 23...	67	0	23	2.4	3.3	0.2	0.70	84	0	69
MAR 1995 28...	--	--	--	--	--	--	--	--	--	--
APR 27...	62	0	21	2.3	4.3	0.2	0.80	76	0	62
JUN 13...	38	8	13	1.4	1.7	0.1	0.60	37	0	30
JUL 18...	49	8	17	1.6	1.7	0.1	0.70	50	0	41
AUG 30...	--	--	--	--	--	--	--	--	--	--

DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
NOV 1994 23...	56	12	2.7	0.20	7.6	93	--	--	--	--
MAR 1995 28...	--	--	--	--	--	--	0.140	0.010	0.150	<0.015
APR 27...	54	9.6	5.5	0.20	7.7	89	--	<0.010	0.100	<0.015
JUN 13...	37	5.7	0.90	0.10	6.9	49	--	<0.010	0.090	<0.015
JUL 18...	42	8.6	0.70	0.10	5.9	61	--	<0.010	0.090	0.020
AUG 30...	--	--	--	--	--	--	--	<0.010	0.130	<0.015

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. X FINER THAN .062 MM (70331)
NOV 1994 23...	--	--	--	2.3	<10	5	3730	191	50
MAR 1995 28...	<0.20	<0.010	0.010	3.0	--	--	--	--	--
APR 27...	<0.20	<0.010	<0.010	2.6	<10	35	36	3.1	59
JUN 13...	0.30	0.070	<0.010	5.0	<10	43	119	88	36
JUL 18...	<0.20	<0.010	<0.010	1.3	<10	5	10	4.4	56
AUG 30...	<0.20	<0.010	<0.010	1.6	--	--	21	2.0	53

RIO GRANDE BASIN

08268700 RIO GRANDE NEAR ARROYO HONDO, NM

LOCATION.--Lat 36°32'04", long 105°42'34", in NW¼ sec.31, T.27 N., R.12 E., Taos County, Hydrologic Unit 13020101, on right bank 350 ft downstream from Arroyo Hondo, 400 ft downstream from bridge on county road, 2.2 mi west of Arroyo Hondo, 11.6 mi northwest of Taos, and at mile 1,677.4.

DRAINAGE AREA.--8,760 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--February 1963 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,470 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 15,000 acres in New Mexico. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	278	421	563	556	857	626	955	1550	4480	662	442
2	211	276	486	486	629	857	631	1150	1540	5010	628	420
3	204	290	515	500	600	857	634	1220	1610	5430	602	401
4	206	313	523	504	593	832	614	1400	1790	5990	565	364
5	203	319	577	551	611	801	620	1390	1970	6650	547	349
6	222	355	649	508	633	799	614	1320	2250	6640	516	334
7	280	363	651	556	625	784	547	1410	2360	6180	501	341
8	284	353	636	526	641	785	562	1330	2590	5710	483	432
9	270	351	616	590	643	736	608	1240	2700	5200	468	405
10	292	348	541	588	667	647	721	1110	2390	4880	458	379
11	264	342	478	570	656	595	821	970	2470	4700	450	381
12	247	397	533	586	641	564	789	956	2500	4490	453	385
13	225	412	550	584	659	550	744	977	2360	4140	479	438
14	213	384	531	562	678	592	733	967	2520	3780	460	414
15	247	367	528	576	676	590	841	929	2790	3320	432	408
16	274	359	514	608	700	558	909	995	2850	2840	460	384
17	313	349	516	552	660	542	936	1360	2950	2430	463	363
18	303	319	526	453	649	550	906	1800	3300	2210	434	364
19	307	291	527	465	644	590	942	2080	3600	2190	422	353
20	324	377	513	499	641	587	910	1880	4150	2200	409	344
21	342	370	516	557	660	618	897	1760	4480	2120	393	339
22	342	424	515	584	683	675	858	1820	4530	1970	379	334
23	328	419	535	554	713	678	824	1980	4220	1740	417	350
24	303	419	559	494	746	751	866	2200	3950	1540	386	366
25	305	408	556	514	792	698	837	2310	3790	1390	401	375
26	314	449	559	593	822	673	810	2130	3730	1260	400	358
27	311	446	556	595	835	627	807	1890	3860	1100	453	343
28	307	456	563	579	861	582	837	1710	3920	946	479	343
29	299	413	543	552	---	556	840	1650	3930	888	488	342
30	294	408	579	552	---	539	857	1610	4090	806	454	350
31	286	---	612	502	---	644	---	1620	---	715	453	---
TOTAL	8528	11055	16924	16903	18914	20714	23141	46119	90740	102945	14595	11201
MEAN	275	368	546	545	675	668	771	1488	3025	3321	471	373
MAX	342	456	651	608	861	857	942	2310	4530	6650	662	442
MIN	203	276	421	453	556	539	547	929	1540	715	379	334
AC-FT	16920	21930	33570	33530	37520	41090	45900	91480	180000	204200	28950	22220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1963	362	905	1970	155	1978
1964	523	1200	1987	220	1978
1965	436	832	1987	210	1964
1966	429	640	1986	260	1977
1967	492	758	1987	292	1964
1968	666	1077	1987	369	1964
1969	796	2620	1985	220	1967
1970	1355	5542	1987	203	1977
1971	1609	5013	1985	168	1977
1972	770	3321	1995	158	1963
1973	397	941	1968	168	1977
1974	332	988	1982	158	1974

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1963 - 1995
ANNUAL TOTAL	245407	381779	
ANNUAL MEAN	672	1046	692
HIGHEST ANNUAL MEAN			1522
LOWEST ANNUAL MEAN			233
HIGHEST DAILY MEAN	2960	Jun 4	7290
LOWEST DAILY MEAN	202	Sep 30	138
ANNUAL SEVEN-DAY MINIMUM	205	Sep 29	143
INSTANTANEOUS PEAK FLOW			6900
INSTANTANEOUS PEAK STAGE		8.04	Jul 6
INSTANTANEOUS LOW FLOW			197
ANNUAL RUNOFF (AC-FT)	486800	757300	501100
10 PERCENT EXCEEDS	1540	2480	1330
50 PERCENT EXCEEDS	514	587	448
90 PERCENT EXCEEDS	231	332	214

RIO GRANDE BASIN

08269000 RIO PUEBLO DE TAOS NEAR TAOS, NM

LOCATION.--Lat 36°26'22", long 105°30'11", in SW¼SE¼ sec.36, T.26 N., R.13 E., Taos County, Hydrologic Unit 13020101, in Taos Pueblo Grant, on right bank 2.3 mi east of Taos Pueblo, 4.5 mi northeast of Taos, 5.8 mi upstream from Rio Lucero, and at mile 15.1.

DRAINAGE AREA.--66.6 mi².

PERIOD OF RECORD.--January 1911 to December 1916, January 1940 to December 1951, (annual maximum), water years 1952-62, October 1962 (monthly discharge only), November 1962 to current year. Monthly discharge only for some periods, published in WSP 1312.

REVISED RECORDS.--WSP 1312: 1911-12, 1914. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Nov. 20, 1962. Elevation of gage is 7,380 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1923 for history of changes prior to Nov. 20, 1962.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions upstream from station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	e12	7.5	7.4	22	28	105	248	151	33	19
2	11	12	e11	8.7	7.5	20	27	121	249	140	31	19
3	11	16	e12	7.5	7.7	19	26	149	250	130	30	19
4	11	16	e11	7.4	8.0	18	26	135	246	125	29	18
5	12	14	e12	7.8	8.5	18	28	142	244	108	28	18
6	16	14	e11	7.5	10	20	34	143	265	99	27	18
7	13	14	11	7.9	12	19	44	132	279	97	26	19
8	13	16	10	8.3	12	18	55	122	268	94	25	26
9	13	15	8.6	7.9	12	17	71	111	261	90	25	21
10	12	14	9.1	7.6	12	18	65	113	231	88	25	21
11	12	14	e9.7	7.6	11	21	55	147	207	85	24	19
12	12	e14	e9.6	7.6	11	26	48	174	215	82	24	19
13	11	e13	9.9	7.4	11	25	47	172	246	78	24	18
14	11	e15	9.4	7.3	12	25	54	173	268	77	22	18
15	14	e17	9.4	7.6	12	29	62	212	283	73	22	18
16	14	e14	9.5	7.6	11	34	61	263	270	82	21	18
17	15	e13	9.3	7.5	10	36	62	283	266	73	21	18
18	14	e13	8.6	7.3	11	42	58	229	260	69	20	17
19	14	e12	8.2	8.9	12	53	55	214	262	64	20	17
20	14	e13	8.6	9.7	12	56	51	244	262	60	19	16
21	14	e13	8.4	8.7	15	62	47	270	256	57	19	16
22	14	e12	8.0	7.8	16	80	42	300	236	54	22	16
23	14	e13	7.8	7.7	18	69	39	299	207	50	23	16
24	14	e12	7.9	8.4	19	61	38	269	191	47	21	15
25	14	e13	7.6	7.9	22	57	38	231	178	44	21	17
26	14	e14	7.6	7.5	25	51	47	197	170	41	21	15
27	14	e13	7.6	7.6	24	44	59	189	157	39	23	15
28	14	e14	7.5	7.3	24	39	69	177	151	37	24	17
29	14	e13	7.7	7.3	---	35	80	193	150	35	21	20
30	14	e12	7.7	7.0	---	31	94	218	159	34	20	19
31	13	---	7.7	7.3	---	29	---	247	---	34	20	---
TOTAL	408	411	285.4	241.1	373.1	1094	1510	5974	6935	2337	731	542
MEAN	13.2	13.7	9.21	7.78	13.3	35.3	50.3	193	231	75.4	23.6	18.1
MAX	16	17	12	9.7	25	80	94	300	283	151	33	26
MIN	11	12	7.5	7.0	7.4	17	26	105	150	34	19	15
AC-FT	809	815	566	478	740	2170	3000	11850	13760	4640	1450	1080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1995, BY WATER YEAR (WY)

MEAN	9.87	9.10	7.97	6.96	7.54	13.7	51.9	123	77.4	24.0	15.8	11.8
MAX	19.1	17.5	12.5	11.1	13.3	39.7	155	356	268	75.4	32.2	32.4
(WY)	1942	1942	1992	1984	1995	1989	1942	1941	1979	1995	1991	1982
MIN	4.84	4.80	4.05	3.39	3.64	5.58	13.1	11.3	8.64	4.60	4.45	4.17
(WY)	1965	1982	1964	1964	1964	1964	1971	1972	1972	1972	1972	1972

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1913 - 1995

ANNUAL TOTAL	19471.7	20841.6	
ANNUAL MEAN	53.3	57.1	30.9
HIGHEST ANNUAL MEAN			72.3
LOWEST ANNUAL MEAN			7.74
HIGHEST DAILY MEAN	456	May 20	300
LOWEST DAILY MEAN	6.9	Feb 12	7.0
ANNUAL SEVEN-DAY MINIMUM	7.1	Feb 11	7.3
INSTANTANEOUS PEAK FLOW			316
INSTANTANEOUS PEAK STAGE			2.45
INSTANTANEOUS LOW FLOW			
ANNUAL RUNOFF (AC-FT)	38620	41340	22410
10 PERCENT EXCEEDS	206	201	74
50 PERCENT EXCEEDS	15	20	11
90 PERCENT EXCEEDS	8.6	7.9	5.8

e Estimated

a-From rating curve extended above 370 ft/s.

b-From floodmark, site and datum then in use.

RIO GRANDE BASIN

08271000 RIO LUCERO NEAR ARROYO SECO, NM

LOCATION.--Lat 36°30'30". Long 105°31'49", Taos County, Hydrologic Unit 13020101, in Tract C Taos Pueblo Grant, on right bank 200 ft upstream from diversion dam for Ienorio and Indian ditches, 2.2 mi east of Arroyo Seco, 7.4 mi northeast of Taos, and at mile 8.1.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--April to December 1910 (discharge measurements and occasional gage heights), January 1911 to September 1915, March to December 1916 (fragmentary), October 1933 to December 1951, (annual maximum), water years 1952-62, October 1962 (monthly discharge only), November 1962 to current year. Monthly discharge only for some periods, published in WSP 1312. Fragmentary records for October 1915 to February 1916, published in WSP 438, are unreliable and should not be used. Published as "near Taos," 1910-16.

REVISED RECORDS.--WSP 1512: 1912, 1916, 1949. WSP 1732: Drainage area. WDR NM-75-1: 1973. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Concrete control since Nov. 21, 1962. Datum of gage is 8,051.44 ft above National Geodetic Vertical Datum of 1929. See WSP 1923 for history of changes prior to Nov. 21, 1962.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	10	e9.2	7.2	6.2	15	12	24	69	120	49	19
2	11	10	e9.1	7.2	6.4	14	12	25	89	123	45	19
3	11	11	8.9	7.2	6.7	13	12	27	110	125	43	19
4	11	10	8.9	7.2	7.0	12	12	26	106	127	41	18
5	11	10	9.1	7.1	7.4	11	13	29	109	122	40	17
6	12	11	9.0	6.6	8.1	12	16	29	134	121	38	17
7	11	11	8.8	7.0	8.8	11	20	27	152	123	36	18
8	11	12	8.7	7.1	9.0	11	23	26	148	121	35	22
9	11	12	e8.3	7.0	9.0	10	25	25	147	120	33	21
10	11	11	e8.0	7.0	8.7	11	23	25	139	124	32	22
11	11	12	e8.1	7.1	8.4	13	20	29	136	126	30	21
12	10	18	8.9	7.2	8.1	15	18	31	146	125	31	20
13	10	16	8.0	6.9	7.9	14	18	31	171	122	29	20
14	10	13	8.0	6.8	8.2	15	19	31	184	118	27	20
15	10	e11	7.8	6.9	8.0	17	21	42	191	117	26	19
16	10	e11	7.8	6.9	9.9	20	21	71	173	114	25	18
17	11	e10	7.6	6.9	10	e21	20	87	188	109	24	17
18	10	e10	7.5	e7.8	9.0	e23	19	65	189	106	23	18
19	11	e9.9	7.5	e7.6	8.6	e24	18	63	186	103	22	17
20	11	e10	7.4	e7.5	8.8	e26	17	73	207	98	22	16
21	11	e9.8	7.4	7.0	10	e25	15	87	184	90	21	16
22	11	e9.9	7.4	6.7	11	28	14	105	166	85	21	16
23	12	e10	7.4	6.8	12	27	13	113	147	81	20	15
24	12	e9.6	7.4	e6.1	12	25	13	101	137	76	20	16
25	12	e9.8	7.4	e6.0	13	23	13	75	129	71	20	16
26	11	e9.7	7.4	e5.8	14	21	16	67	129	67	22	15
27	11	e9.6	7.2	e6.0	14	19	18	68	127	63	22	15
28	11	e9.5	7.2	e5.9	15	17	19	65	127	60	22	17
29	11	e9.4	7.1	e6.0	---	15	20	70	130	55	21	19
30	11	e9.3	7.3	e6.3	---	14	23	75	123	53	21	18
31	11	---	7.3	e6.1	---	13	---	73	---	52	20	---
TOTAL	340	325.5	247.1	210.9	265.2	535	523	1685	4373	3117	881	541
MEAN	11.0	10.8	7.97	6.80	9.47	17.3	17.4	54.4	146	101	28.4	18.0
MAX	12	13	9.2	7.2	15	28	25	113	207	127	49	22
MIN	10	9.3	7.1	5.8	6.2	10	12	24	69	52	20	15
AC-FT	674	646	490	418	526	1060	1040	3340	8670	6180	1750	1070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1995, BY WATER YEAR (WY)

	MEAN	11.7	9.14	7.29	6.08	6.07	9.24	22.8	60.0	73.1	31.2	18.7	14.0
MAX	27.8	22.0	14.8	10.0	9.92	21.2	47.5	156	178	101	37.5	34.5	
(WY)	1942	1942	1991	1942	1991	1989	1937	1941	1941	1995	1967	1982	
MIN	6.29	5.37	4.26	3.51	3.47	4.11	8.77	14.5	14.0	7.86	6.55	6.74	
(WY)	1979	1977	1951	1951	1964	1977	1977	1972	1972	1972	1972	1972	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1913 - 1995
ANNUAL TOTAL	11626.0	13043.7	
ANNUAL MEAN	31.9	35.7	22.8
HIGHEST ANNUAL MEAN			46.7
LOWEST ANNUAL MEAN			9.91
HIGHEST DAILY MEAN	186 Jun 5	207 Jun 20	246 Jun 4 1942
LOWEST DAILY MEAN	6.0 Jan 22	5.8 Jan 26	2.0 Jan 28 1981
ANNUAL SEVEN-DAY MINIMUM	6.1 Feb 8	6.0 Jan 24	2.7 Jan 22 1981
INSTANTANEOUS PEAK FLOW		240 Jun 20	310 Jun 8 1979
INSTANTANEOUS PEAK STAGE		3.17 Jun 20	3.17 Jun 20 1995
INSTANTANEOUS LOW FLOW		4.5 Jan 13	1.4 Nov 2 1951
ANNUAL RUNOFF (AC-FT)	23060	25870	16500
10 PERCENT EXCEEDS	107	120	55
50 PERCENT EXCEEDS	14	16	12
90 PERCENT EXCEEDS	7.0	7.3	5.5

e Estimated

RIO GRANDE BASIN

08275500 RIO GRANDE DEL RANCHO NEAR TALPA, NM

LOCATION.--Lat 36°17'52", long 105°34'55", Taos County, Hydrologic Unit 13020101, in Carson National Forest, Rancho del Rio Grande Grant, on right bank 1.4 mi downstream from Rito de la olla (locally known as Pot Creek), 3.2 mi south of Talpa, 4.3 mi upstream from Rio Chiquito, and at mile 6.9.

DRAINAGE AREA.--83 mi², approximately.

PERIOD OF RECORD.--October 1952 to September 1982, October 1983 to September 1985 (annual maximum only), October 1985 to current year. Prior to October 1955, published as "Rio Grande del Rancho nr Taos" and October 1955 to September 1960 as Rio Grande de Ranchos nr Talpa."

GAGE.--Water-stage recorder. Elevation of gage is 7,240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Nov. 11, 1952, nonrecording gage at site 1,035 ft downstream at lower datum. Nov. 11, 1952 to Nov. 5, 1968, water-stage recorder at site 1,000 ft downstream at lower datum. Nov. 6, 1968 to Aug. 28, 1980, water-stage recorder at present site on left bank at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Minor diversions for irrigation above station. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	8.7	10	5.9	7.7	12	24	31	187	64	17	13
2	4.9	8.6	8.5	e5.8	7.3	11	24	33	198	60	16	12
3	4.9	14	7.8	e6.0	6.8	9.6	23	40	245	57	15	11
4	5.0	17	7.4	e6.2	6.6	12	22	40	236	55	15	11
5	5.3	13	7.4	e6.0	6.7	11	22	44	230	51	14	11
6	8.9	11	10	e5.8	6.8	20	23	48	257	45	14	10
7	7.9	11	8.9	e5.9	7.0	14	25	47	275	42	13	11
8	8.9	13	8.1	e6.2	6.8	9.5	27	47	254	40	13	15
9	7.9	13	6.6	e6.0	7.3	7.7	32	45	229	37	13	13
10	7.0	11	5.4	e5.8	6.9	7.7	32	45	201	34	13	12
11	6.4	12	9.0	e6.0	6.7	9.7	31	54	180	32	13	12
12	6.2	28	9.2	e5.8	6.5	11	29	65	174	31	16	11
13	6.1	36	8.4	e5.7	6.5	9.9	29	68	182	30	15	11
14	6.3	27	7.6	e5.8	e6.2	9.6	30	78	195	31	13	11
15	11	19	8.6	e5.7	e6.1	11	31	98	196	31	12	11
16	13	16	7.8	e5.6	e6.3	12	30	148	191	28	12	11
17	16	17	8.1	e5.6	e6.4	13	30	179	200	28	13	10
18	12	13	7.9	5.5	6.5	15	29	152	239	27	12	10
19	10	14	7.8	6.7	6.5	18	28	142	221	26	12	10
20	9.9	13	7.5	8.7	7.2	25	28	144	187	24	12	9.8
21	9.9	12	7.9	7.9	7.7	37	28	161	157	24	12	9.6
22	9.9	13	7.9	7.2	8.2	41	28	191	135	23	13	9.8
23	9.8	11	7.2	7.0	9.0	35	27	219	114	22	12	9.7
24	10	11	7.0	8.4	9.0	33	27	202	101	20	11	9.4
25	11	11	6.9	7.5	9.3	31	27	166	88	20	12	9.6
26	10	11	7.0	7.1	12	30	29	155	81	19	13	9.1
27	10	9.5	7.2	7.0	12	28	31	143	72	18	15	8.8
28	9.7	6.5	7.3	6.9	11	28	30	136	67	17	15	9.4
29	9.6	6.6	7.3	7.0	---	26	27	159	69	17	13	11
30	9.6	8.7	7.2	6.4	---	25	29	180	70	17	12	12
31	9.5	---	7.0	7.6	---	23	---	189	---	17	12	---
TOTAL	271.2	415.6	241.9	200.7	213.0	585.7	832	3449	5231	987	413	324.2
MEAN	8.75	13.9	7.80	6.47	7.61	18.9	27.7	111	174	31.8	13.3	10.8
MAX	16	36	10	8.7	12	41	32	219	275	64	17	15
MIN	4.6	6.5	5.4	5.5	6.1	7.7	22	31	67	17	11	8.8
AC-FT	538	824	480	398	422	1160	1650	6840	10380	1960	819	643

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1995, BY WATER YEAR (WY)

	7.37	6.70	5.79	5.27	5.61	9.46	32.5	94.4	54.0	14.8	12.6	9.04
MEAN	7.37	6.70	5.79	5.27	5.61	9.46	32.5	94.4	54.0	14.8	12.6	9.04
MAX	14.2	13.9	10.4	9.19	9.31	22.9	91.9	264	174	41.9	35.7	24.9
(WY)	1958	1995	1958	1958	1989	1994	1962	1994	1995	1986	1957	1957
MIN	2.12	2.95	2.97	2.06	2.65	4.65	9.61	12.9	6.36	3.14	2.33	1.56
(WY)	1957	1957	1957	1955	1955	1955	1981	1981	1981	1956	1972	1956

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1953 - 1995

ANNUAL TOTAL	16279.2	13164.3	
ANNUAL MEAN	44.6	36.1	
HIGHEST ANNUAL MEAN			21.5
LOWEST ANNUAL MEAN			44.0
HIGHEST DAILY MEAN	508	May 20	590
LOWEST DAILY MEAN	4.6	Oct 1	5.96
ANNUAL SEVEN-DAY MINIMUM	5.8	Sep 29	1.2
INSTANTANEOUS PEAK FLOW			644
INSTANTANEOUS PEAK STAGE			4.16
INSTANTANEOUS LOW FLOW			.20
ANNUAL RUNOFF (AC-FT)	32290	26110	15610
10 PERCENT EXCEEDS	123	138	51
50 PERCENT EXCEEDS	12	12	8.1
90 PERCENT EXCEEDS	6.4	6.5	4.0

e Estimated

RIO GRANDE BASIN

08276300 RIO PUEBLO DE TAOS BELOW LOS CORDOVAS, NM

LOCATION.--Lat 36°22'39", long 105°40'05", Taos County, Hydrologic Unit 13020101, in Gijosa Grant, on left bank 1.9 mi southwest of Los Cordovas, 2.5 mi downstream from Rio Grande del Rancho, and at mile 5.1.

DRAINAGE AREA.--380 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1957 to current year.

REVISED RECORDS.--WSP 1732: 1957(M). WSP 1923: 1957(P), 1958. WDR NM-81-1: 1979(P).

GAGE.--Water-stage recorder. Elevation of gage is 6,650 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 4, 1984 at site 700 ft downstream at same datum.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 12,000 acres upstream from station, of which about 1,700 acres are irrigated by water from Rio Hondo. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	50	55	42	52	86	104	176	630	411	36	30
2	26	49	58	41	52	93	98	202	660	377	32	24
3	25	76	54	48	52	98	90	252	682	356	29	22
4	24	e74	57	46	50	105	83	230	671	344	27	21
5	23	69	62	50	52	108	80	244	644	325	26	20
6	33	62	84	51	53	104	87	260	662	277	23	22
7	34	56	71	47	54	93	101	250	610	245	18	26
8	38	62	67	53	53	77	120	234	663	218	21	47
9	38	63	49	54	56	73	136	210	634	203	22	43
10	38	57	37	55	53	76	141	207	604	188	21	44
11	38	63	e41	50	51	81	128	246	550	173	26	45
12	33	143	e45	55	51	93	110	297	544	161	29	42
13	34	125	50	52	50	91	106	281	543	162	29	38
14	36	97	50	49	68	87	108	265	554	156	28	38
15	59	80	44	53	72	88	116	315	574	153	25	43
16	78	78	e45	53	61	98	114	468	560	169	25	42
17	100	82	e44	49	51	111	116	592	576	161	26	39
18	70	60	e43	41	50	120	106	513	604	161	29	34
19	67	67	e43	37	51	135	104	494	606	134	26	34
20	64	63	e43	46	55	147	107	516	e600	125	21	33
21	61	60	e43	50	61	150	104	580	e580	122	20	33
22	58	70	e44	52	66	181	96	626	e560	111	23	32
23	51	59	45	39	65	182	87	665	e540	98	36	33
24	52	62	48	47	68	161	86	657	512	93	30	37
25	53	60	46	51	73	149	90	584	468	71	28	40
26	55	67	49	50	83	140	99	499	451	59	28	41
27	53	59	47	49	86	122	117	470	424	47	31	41
28	51	48	47	48	85	117	132	446	401	42	43	44
29	50	40	47	51	---	114	149	614	395	38	39	56
30	52	45	49	45	---	108	171	676	440	36	33	60
31	50	---	52	45	---	100	---	690	---	33	29	---
TOTAL	1471	2046	1559	1499	1674	3488	3286	12759	16942	5249	859	1104
MEAN	47.5	68.2	50.3	48.4	59.8	113	110	412	565	169	27.7	36.8
MAX	100	143	84	55	86	182	171	690	682	411	43	60
MIN	23	40	37	37	50	73	80	176	395	33	18	20
AC-FT	2920	4060	2090	2970	3320	6920	6520	25310	33600	10410	1700	2190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1995, BY WATER YEAR (WY)

	MEAN	26.7	33.1	34.1	32.5	38.1	49.8	119	264	148	31.8	25.5	24.2
MAX	74.9	71.9	56.8	48.4	60.3	113	440	1063	708	169	97.9	67.5	67.5
(WY)	1958	1958	1987	1995	1987	1995	1994	1994	1979	1995	1957	1993	1993
MIN	7.88	14.3	13.5	14.0	21.5	23.9	8.32	5.71	4.69	3.89	4.28	4.26	4.26
(WY)	1964	1973	1973	1973	1973	1971	1972	1972	1971	1972	1972	1972	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1957 - 1995
ANNUAL TOTAL	70964	51936	
ANNUAL MEAN	194	142	68.4
HIGHEST ANNUAL MEAN			193
LOWEST ANNUAL MEAN			14.5
HIGHEST DAILY MEAN	1940	May 20	1940
LOWEST DAILY MEAN	12	Jul 26	2.6
ANNUAL SEVEN-DAY MINIMUM	13	Jul 20	3.0
INSTANTANEOUS PEAK FLOW		808	a2380
INSTANTANEOUS PEAK STAGE		7.70	8.93
INSTANTANEOUS LOW FLOW		17	1.9
ANNUAL RUNOFF (AC-FT)	140800	103000	49540
10 PERCENT EXCEEDS	735	496	139
50 PERCENT EXCEEDS	51	62	32
90 PERCENT EXCEEDS	17	31	10

e Estimated

a-From rating curve extended above 900 ft³/s.

RIO GRANDE BASIN

08276300 RIO PUEBLO DE TAOS BELOW LOS CORDOVAS, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD 1986 to current year.--Water years 1981, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1994										
23...	1400	48	565	8.4	12.0	2.0	---	12.2	--	<10
MAR 1995										
29...	0900	111	331	8.4	10.0	8.0	596	9.1	99	<10
APR										
27...	1100	124	288	8.4	12.0	8.0	595	10.0	108	21
JUN										
12...	1445	535	196	7.4	27.0	14.5	602	8.4	105	25
JUL										
18...	1200	159	280	8.3	19.0	14.0	602	9.1	112	10
AUG										
30...	1200	35	479	8.4	20.0	16.5	597	7.8	103	15

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
NOV 1994										
23...	230	23	68	14	20	0.6	1.5	249	0	204
MAR 1995										
29...	--	--	--	--	--	--	--	--	--	--
APR										
27...	140	0	43	8.5	9.4	0.3	1.0	122	29	148
JUN										
12...	90	14	28	4.8	4.0	0.2	0.70	92	0	76
JUL										
18...	130	13	40	7.5	7.8	0.3	1.4	134	5	118
AUG										
30...	--	--	--	--	--	--	--	--	--	--

DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
NOV 1994										
23...	195	59	11	0.50	13	309	--	--	--	--
MAR 1995										
29...	--	--	--	--	--	--	0.070	0.010	0.080	<0.015
APR										
27...	130	28	5.9	0.20	11	196	--	<0.010	<0.050	0.160
JUN										
12...	85	13	1.4	0.10	8.0	105	--	<0.010	<0.050	0.020
JUL										
18...	120	19	3.4	0.20	11	162	--	<0.010	<0.050	0.170
AUG										
30...	--	--	--	--	--	--	0.050	0.030	0.080	0.050

RIO GRANDE BASIN

08276300 RIO PUEBLO DE TAOS BELOW LOS CORDOVAS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994									
23...	--	--	--	2.8	40	13	21	2.7	35
MAR 1995									
29...	0.30	0.020	<0.010	3.8	--	--	--	--	--
APR									
27...	0.50	0.050	0.030	7.4	20	23	37	12	82
JUN									
12...	0.20	0.030	<0.010	5.5	<10	42	129	186	36
JUL									
18...	0.40	0.020	0.030	4.7	20	33	13	5.6	62
AUG									
30...	0.30	0.050	0.020	6.0	--	--	4	0.38	44

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 1994												
05...	0830	412	345	8.2	10.5	14.5	--	610	8.1	99	--	--
NOV												
16...	0915	460	345	8.5	7.5	6.0	2.7	612	11.0	110	<10	36
DEC												
07...	0900	663	281	7.9	-1.0	4.0	--	612	10.4	99	--	--
JAN 1995												
25...	0830	560	286	8.0	1.5	3.0	--	614	11.4	105	--	--
FEB												
16...	0830	737	263	7.9	-1.0	4.5	--	613	10.3	99	--	--
MAR												
14...	1045	691	318	8.2	11.0	8.5	5.7	615	10.4	110	11	K130
APR												
19...	0900	1050	240	7.6	6.0	8.0	--	600	9.4	101	--	--
MAY												
17...	0845	1810	213	8.0	5.5	11.0	--	603	8.8	101	32	120
JUN												
22...	1100	5330	182	8.0	21.0	16.0	--	612	7.7	98	--	--
JUL												
27...	0930	1140	398	8.1	16.0	18.0	--	615	8.1	107	--	--
AUG												
24...	0945	414	389	8.2	23.0	19.5	6.8	614	7.9	107	13	250

DATE	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)
OCT 1994												
05...	--	110	4	32	7.6	23	0.9	2.6	131	0	107	110
NOV												
16...	25	130	13	38	8.1	23	0.9	2.7	137	2	116	119
DEC												
07...	--	97	3	29	6.0	17	0.8	2.9	115	0	94	97
JAN 1995												
25...	--	96	5	29	5.7	18	0.8	2.7	111	0	91	99
FEB												
16...	--	93	6	28	5.5	16	0.7	2.5	106	0	87	93
MAR												
14...	20	110	8	34	6.8	22	0.9	3.1	128	0	105	109
APR												
19...	--	83	6	25	5.1	13	0.6	2.1	95	0	78	80
MAY												
17...	K1	80	11	24	4.9	10	0.5	2.0	84	0	69	82
JUN												
22...	--	62	6	19	3.6	9.5	0.5	2.9	68	0	56	59
JUL												
27...	--	120	16	36	7.6	30	1	4.3	128	0	105	108
AUG												
24...	370	130	16	37	8.4	28	1	3.9	136	0	114	119

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 1994												
05...	51	6.9	0.80	24	209	213	--	<0.010	0.250	<0.015	--	<0.20
NOV												
16...	48	7.5	0.60	24	225	222	--	<0.010	0.160	0.020	--	<0.20
DEC												
07...	34	6.2	0.40	27	187	180	--	<0.010	0.270	<0.015	--	0.20
JAN 1995												
25...	33	6.4	0.60	27	164	178	0.300	0.010	0.310	0.030	--	<0.20
FEB												
16...	31	6.1	0.40	25	176	168	--	<0.010	0.220	0.020	--	<0.20
MAR												
14...	38	7.7	0.50	26	211	202	--	<0.010	0.210	<0.015	--	0.30
APR												
19...	30	4.5	0.40	20	156	147	--	<0.010	0.110	<0.015	--	0.40
MAY												
17...	21	3.5	0.30	17	156	125	0.060	0.010	0.070	<0.015	--	1.0
JUN												
22...	23	2.8	0.20	18	132	113	--	<0.010	0.080	0.030	0.27	0.70
JUL												
27...	73	8.5	0.40	19	257	242	--	<0.010	<0.050	0.030	0.17	0.40
AUG												
24...	63	8.1	0.80	15	251	232	0.100	0.010	0.110	<0.015	--	0.40

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CYANIDE TOTAL (MG/L AS CN) (00720)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT 1994												
05...	<0.20	<0.010	<0.010	<0.010	--	--	--	--	--	--	--	--
NOV												
16...	<0.20	0.030	<0.010	<0.010	2.3	--	<0.010	--	--	--	--	2
DEC												
07...	<0.20	0.060	0.010	0.020	--	--	--	--	--	--	--	--
JAN 1995												
25...	<0.20	0.030	<0.010	0.020	--	--	--	--	--	--	--	--
FEB												
16...	<0.20	0.020	0.020	0.030	--	--	--	--	--	--	--	--
MAR												
14...	<0.20	0.050	0.030	0.020	11	--	--	--	--	--	--	--
APR												
19...	<0.20	0.090	0.020	0.020	--	--	<0.010	--	--	--	--	--
MAY												
17...	0.30	0.250	0.040	0.020	11	--	<0.010	4500	--	<1	--	2
JUN												
22...	0.30	0.230	0.060	0.050	--	--	--	--	--	--	--	--
JUL												
27...	0.20	0.060	<0.010	0.020	--	--	--	--	--	--	--	--
AUG												
24...	<0.20	0.060	0.020	0.020	4.4	2.9	<0.010	--	50	--	<1	--

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)
OCT 1994 05...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 16...	2	--	--	--	--	--	--	<1	<1.0	<1	<1	--
DEC 07...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995 25...	--	--	--	--	--	--	--	--	--	--	--	--
FEB 16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 14...	--	--	--	--	--	--	40	--	--	--	--	--
APR 19...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 17...	1	100	--	<10	--	20	--	<1	<1.0	6	<1	4
JUN 22...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 27...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	2	--	37	--	<1	--	--	--	<1.0	--	1	--

DATE	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
OCT 1994 05...	--	--	--	--	14	--	--	--	--	--	10	--
NOV 16...	--	2	1	--	31	<1	<1	--	--	--	12	<0.10
DEC 07...	--	--	--	--	55	--	--	--	--	--	11	--
JAN 1995 25...	--	--	--	--	20	--	--	--	--	--	9	--
FEB 16...	--	--	--	--	33	--	--	--	--	--	11	--
MAR 14...	--	--	--	--	22	--	--	--	--	--	9	--
APR 19...	--	--	--	--	76	--	--	--	--	--	7	--
MAY 17...	--	13	2	6500	440	8	<1	20	--	360	51	<0.10
JUN 22...	--	--	--	--	180	--	--	--	--	--	11	--
JUL 27...	--	--	--	--	25	--	--	--	--	--	7	--
AUG 24...	<1	--	2	--	7	--	<1	--	12	--	6	--

[illegible]

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN 062 MM (70331)
OCT 1994											
05...	--	--	--	--	--	--	--	--	30	33	65
NOV											
16...	10	250	<0.01	60	0.04	0.010	2.5	<1.0	18	22	73
DEC											
07...	--	--	--	--	--	--	--	--	46	82	69
JAN 1995											
25...	--	--	--	--	--	--	--	--	10	15	68
FEB											
16...	--	--	--	--	--	--	--	--	27	54	76
MAR											
14...	--	--	--	--	--	--	--	--	28	52	72
APR											
19...	--	--	--	--	--	--	--	--	52	147	60
MAY											
17...	--	--	--	--	--	--	--	--	325	1590	64
JUN											
22...	--	--	--	--	--	--	--	--	241	3470	47
JUL											
27...	--	--	--	--	--	--	--	--	25	77	58
AUG											
24...	--	--	--	--	--	--	2.0	--	25	28	74

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DI- SYSTON TOTAL (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)
OCT 1994											
05...	0830	--	--	--	--	--	--	--	--	--	--
NOV											
16...	0915	--	--	--	--	--	--	--	--	--	--
DEC											
07...	0900	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	0830	--	--	--	--	--	--	--	--	--	--
FEB											
16...	0830	--	--	--	--	--	--	--	--	--	--
MAR											
14...	1045	--	--	--	--	--	--	--	--	--	--
APR											
19...	0800	--	--	--	--	--	--	--	--	--	--
MAY											
17...	0845	--	--	--	--	--	--	--	--	--	--
JUN											
22...	1100	--	--	--	--	--	--	--	--	--	--
JUL											
27...	0930	--	--	--	--	--	--	--	--	--	--
AUG											
24...	0945	<0.01	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.1	<0.010

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)
OCT 1994											
05...	--	--	--	--	--	--	--	--	--	--	--
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--
DEC											
07...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	--	--	--	--	--
FEB											
16...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	--	--	--	--	--	--	--
APR											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
22...	--	--	--	--	--	--	--	--	--	--	--
JUL											
27...	--	--	--	--	--	--	--	--	--	--	--
AUG											
24...	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<1	<0.010	<0.010	<0.01	<0.1

DATE	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2, 4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT REC (82614)
OCT 1994											
05...	--	--	--	--	--	--	--	--	--	--	--
NOV											
16...	--	--	--	--	--	--	--	--	--	--	--
DEC											
07...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	--	--	--	--	--
FEB											
16...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	--	--	<0.01	<0.01	--	<0.01	--	<0.01	--
APR											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
22...	--	--	--	--	--	--	--	--	--	--	--
JUL											
27...	--	--	--	--	--	--	--	--	--	--	--
AUG											
24...	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	<0.01

RIO GRANDE BASIN

08276500 RIO GRANDE BELOW TAOS JUNCTION BRIDGE, NEAR TAOS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (000009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV 1994							
16...	0938	101	1.00	345	8.5	5.0	10.7
16...	0940	90.0	1.50	345	8.5	5.0	10.7
16...	0942	80.0	1.00	345	8.5	5.0	10.7
16...	0944	69.0	1.00	345	8.5	5.0	10.7
16...	0946	58.0	1.00	345	8.5	5.0	10.6
16...	0948	48.0	1.50	345	8.5	5.0	10.6
16...	0950	37.0	2.00	345	8.5	5.0	10.5
16...	0952	26.0	2.50	345	8.5	5.0	10.5
16...	0954	16.0	2.50	345	8.5	5.0	10.5
16...	0956	5.00	1.50	345	8.5	5.0	10.6
JUN 1995							
22...	1320	7.50	2.30	182	7.9	17.0	--
22...	1326	22.5	4.50	182	7.9	17.0	--
22...	1330	37.5	7.00	182	7.9	17.0	--
22...	1335	52.5	8.00	182	7.9	17.0	--
22...	1340	67.5	8.00	182	8.0	17.0	--
22...	1345	82.5	8.00	182	8.0	17.0	--
22...	1350	97.5	6.50	182	7.9	17.0	--
22...	1355	113	6.50	182	7.9	17.0	--
22...	1400	128	5.50	182	7.9	17.0	--
22...	1405	143	3.00	183	7.8	17.5	--

RIO GRANDE BASIN

08277470 RIO PUEBLO NEAR PENASCO, NM

LOCATION.--Lat 36°10'14", long 105°36'36", in SE¼ sec.1, T.22 N., R.12 E., Taos County, Hydrologic Unit 13020101, on left bank 10 ft downstream from bridge on private road, 0.5 mi upstream from junction of State Highways 518 and 75, 1.0 mi downstream from Osha Canyon and 6.0 mi east of Penasco.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--December 1991 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7,760 ft above National Geodetic Vertical Datum of 1929 from, topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Several observations of water temperature where made during year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	e13	e10	e10	22	28	105	e471	1090	16	26
2	12	16	e13	e10	e12	20	26	110	e463	853	15	23
3	12	18	e13	e11	e11	20	25	127	e502	919	14	21
4	12	18	e14	e10	e13	20	24	118	e505	1160	14	21
5	12	16	e14	e11	e13	19	26	119	e507	953	13	19
6	17	17	e12	e10	e13	21	29	121	e505	795	13	19
7	15	17	e12	e10	e13	19	36	116	e476	695	13	26
8	16	18	e12	e10	e12	19	44	109	e421	403	12	48
9	17	17	e12	e10	e11	22	52	113	e376	263	13	30
10	16	16	e11	e10	e10	19	51	113	e322	224	15	30
11	15	17	e12	e11	e11	22	46	145	e277	213	14	28
12	15	27	e11	e9.8	e10	24	44	173	e236	206	19	25
13	14	28	e11	e9.6	e11	22	48	181	325	194	16	24
14	15	19	e12	e10	e12	24	51	188	360	178	15	23
15	18	19	e12	e9.8	e12	27	54	237	377	179	15	24
16	20	19	e12	e9.8	13	29	53	349	401	129	15	23
17	26	17	e11	e10	13	30	55	419	508	116	16	22
18	21	22	e11	e10	14	34	50	e400	861	92	15	21
19	22	18	e11	e10	14	42	47	e380	1320	75	16	20
20	22	13	e12	e10	15	47	41	e357	1260	52	19	19
21	23	20	e10	e10	17	50	41	e380	1060	e32	17	18
22	22	17	e10	e11	17	58	37	e416	857	25	18	18
23	21	16	e11	e11	19	51	35	e460	486	22	20	16
24	20	16	e11	e11	20	48	35	e446	518	20	20	16
25	20	15	e10	e11	21	46	37	e383	409	19	25	18
26	19	14	e10	e10	23	40	46	e341	434	18	28	15
27	18	e14	e10	e10	23	38	58	e297	594	16	32	14
28	18	e13	e10	e9.8	23	35	73	e287	817	15	32	15
29	17	e14	e11	e9.8	---	33	94	e414	1160	15	26	20
30	17	e14	e11	e10	---	30	107	e488	1440	15	24	21
31	16	---	e11	e11	---	31	---	e500	---	16	25	---
TOTAL	541	521	356	316.6	406	962	1393	8392	18248	9002	565	663
MEAN	17.5	17.4	11.5	10.2	14.5	31.0	46.4	271	608	290	18.2	22.1
MAX	26	28	14	11	23	58	107	500	1440	1160	32	48
MIN	12	13	10	9.6	10	19	24	105	236	15	12	14
AC-FT	1070	1030	706	628	805	1910	2760	16650	36190	17860	1120	1320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MEAN	14.4	15.0	12.1	11.4	13.5	29.5	146	435	253	91.2	22.3	22.2
MAX	17.5	17.4	15.2	14.6	16.8	32.6	242	924	608	290	35.9	33.3
(WY)	1995	1995	1992	1992	1992	1994	1994	1994	1995	1995	1993	1993
MIN	12.1	12.5	10.0	9.82	11.2	23.2	46.4	268	103	17.1	16.4	14.8
(WY)	1993	1993	1993	1994	1993	1993	1995	1993	1993	1993	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1992 - 1995
ANNUAL TOTAL	45561.4	41365.6	
ANNUAL MEAN	125	113	96.7
HIGHEST ANNUAL MEAN			124
LOWEST ANNUAL MEAN			52.4
HIGHEST DAILY MEAN	1720	1440	1720
LOWEST DAILY MEAN	9.0	9.6	6.8
ANNUAL SEVEN-DAY MINIMUM	9.3	9.9	7.7
INSTANTANEOUS PEAK FLOW		2080	2200
INSTANTANEOUS PEAK STAGE		5.94	6.00
INSTANTANEOUS LOW FLOW			4.9
ANNUAL RUNOFF (AC-FT)	90370	82050	70050
10 PERCENT EXCEEDS	385	405	267
50 PERCENT EXCEEDS	18	20	19
90 PERCENT EXCEEDS	10	11	10

e Estimated

RIO GRANDE BASIN

08278500 RIO SANTA BARBARA NR PENASCO, NM

LOCATION.--Lat 36°06'13", long 105°37'14", Taos County, Hydrologic Unit 13020101, in Santa Barbara Grant, on right bank at bridge on U.S. Forest Service Road 116, 1.4 mi below Santa Barbara Campground and 6.5 mi southeast of Penasco

DRAINAGE AREA.--38 mi² (approximately).

PERIOD OF RECORD.--November 1991 to current year. October 1952 to December 1957 published as Rio Santa Barbara nr Llano, NM (08278500).

GAGE.--Water-stage recorder. Elevation of gage is 8,640 ft above National Geodetic Vertical Datum, from topographic map.

REMARKS.--Records fair except for estimated daily discharges which are poor. Several observations of water temperature were made during year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	e11	e8.0	e7.3	e9.4	16	46	101	95	38	23
2	14	13	e10	e8.0	e7.2	e9.1	14	52	110	92	34	22
3	13	15	e11	e7.9	e7.3	e8.6	13	56	122	87	33	21
4	13	14	e10	e7.7	e7.4	e8.4	13	57	125	91	32	21
5	13	13	e9.0	e7.8	e7.6	e8.1	14	68	137	78	31	20
6	16	14	e10	e7.5	e7.7	e7.8	16	70	193	71	30	20
7	14	14	e9.2	e8.0	e7.7	e7.5	19	69	250	70	28	25
8	15	15	e9.8	e7.8	e7.8	e7.4	26	65	289	68	26	30
9	14	14	e9.6	e7.6	e7.7	e7.7	31	60	280	65	25	25
10	14	13	e9.9	e7.6	e7.5	e8.1	27	64	266	65	25	26
11	14	14	e9.4	e7.5	e7.2	e9.0	25	80	251	64	24	26
12	13	e15	e9.8	e7.4	e7.2	10	23	89	273	62	32	24
13	13	e14	e10	e7.3	e7.1	11	25	85	319	62	24	23
14	13	e13	e10	e7.6	e7.3	11	29	88	360	63	24	23
15	13	e12	e10	e7.3	e8.1	12	29	94	357	61	24	25
16	14	e14	e9.7	e7.3	e8.1	14	28	109	310	62	24	23
17	17	e13	e9.4	e7.5	e8.3	14	27	108	355	61	26	22
18	14	e13	e9.1	e7.7	e8.6	15	25	100	495	66	22	22
19	14	e12	e9.0	e8.8	e8.2	18	23	98	282	63	21	22
20	14	e13	e8.8	e9.0	e7.8	19	22	99	233	60	22	21
21	15	e12	e8.8	e8.4	e8.5	23	21	107	175	58	22	20
22	15	e12	e8.7	e8.1	e8.7	28	19	121	149	55	22	20
23	15	e13	e8.6	e8.0	e8.8	26	19	121	150	51	21	20
24	15	e13	e8.4	e8.1	e8.7	25	18	115	124	49	22	20
25	15	e14	e8.1	e7.6	e8.9	24	19	107	112	46	23	22
26	14	e12	e8.1	e7.3	e9.6	23	23	105	109	45	29	20
27	14	e12	e8.1	e7.1	e9.6	24	27	101	103	43	28	19
28	14	e12	e8.0	e7.5	e9.8	19	32	96	100	40	25	23
29	14	e11	e8.0	e7.1	---	17	38	97	100	39	26	32
30	14	e11	e8.0	e7.5	---	17	47	96	99	38	26	32
31	13	---	e7.9	e7.6	---	21	---	97	---	38	23	---
TOTAL	438	393	285.4	239.6	225.7	462.1	708	2720	6329	1908	812	692
MEAN	14.1	13.1	9.21	7.73	8.06	14.9	23.6	87.7	211	61.5	26.2	23.1
MAX	17	15	11	9.0	9.8	28	47	121	495	95	38	32
MIN	13	11	7.9	7.1	7.1	7.4	13	46	99	38	21	19
AC-FT	869	780	566	475	448	917	1400	5400	12550	3780	1610	1370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1995, BY WATER YEAR (WY)

MEAN	12.9	11.1	8.22	6.82	6.81	11.2	39.0	108	127	37.8	40.8	28.1
MAX	17.2	17.1	13.6	9.24	9.11	17.5	75.3	199	211	62.1	129	66.5
(WY)	1994	1992	1992	1953	1992	1992	1992	1994	1995	1957	1957	1957
MIN	4.95	5.13	4.16	4.10	3.93	6.46	18.6	35.6	17.0	8.13	8.11	4.50
(WY)	1957	1957	1957	1954	1957	1957	1956	1956	1956	1956	1956	1956

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1953 - 1995

ANNUAL TOTAL	17698.7	15212.8	
ANNUAL MEAN	48.5	41.7	35.1
HIGHEST ANNUAL MEAN			50.5
LOWEST ANNUAL MEAN			12.0
HIGHEST DAILY MEAN	499	Jun 2	499
LOWEST DAILY MEAN	5.7	Jan 1	3.0
ANNUAL SEVEN-DAY MINIMUM	6.1	Jan 1	3.1
INSTANTANEOUS PEAK FLOW			838
INSTANTANEOUS PEAK STAGE			6.21
INSTANTANEOUS LOW FLOW			5.8
ANNUAL RUNOFF (AC-FT)	35110	30170	25410
10 PERCENT EXCEEDS	144	100	100
50 PERCENT EXCEEDS	15	19	15
90 PERCENT EXCEEDS	7.3	7.8	6.0

e Estimated

RIO GRANDE BASIN

08279000 EMBUDO CREEK AT DIXON, NM

LOCATION.--Lat 36°12'39", long 105°54'47", in NE¼SE¼ sec.19, T.23 N., R.10 E., Rio Arriba County, Hydrologic Unit 13020101, on right bank 750 ft upstream from State Highway 68, 0.5 mi upstream from mouth, 0.5 mi east of Embudo Post Office, and 1.7 mi northwest of Dixon.

DRAINAGE AREA.--305 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to February 1926, October 1926 to September 1955, (annual maximum), water years 1956-62, September 1962 to current year. Monthly discharge only for some periods, published in WSP 1312.

Figures of daily discharge for July 6-25, 1932, published in WSP 733, and maximum discharges for water years 1931-33, 1935, 1937-38, 1941, are unreliable and should not be used.

REVISED RECORDS.--WSP 1512: 1931-32, 1941, 1947 (M). Also see PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 5,858.60 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 30, 1938, at site about 1 mi upstream at different datum. Nov. 30, 1938 to Aug. 1, 1941, at site about 0.9 mi upstream at datum about 59.9 ft higher. Aug. 2, 1941 to Sept. 1, 1971, at site 750 ft downstream at datum 9.10 ft lower. April 1956 to Sept. 21, 1962, crest-stage gage.

REMARKS.--Water-discharge records good. Diversions upstream from station for irrigation of about 6,600 acres, a small part of which are downstream from gage.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	47	48	26	38	67	74	189	572	323	27	48
2	27	47	46	33	38	65	64	193	573	290	e24	44
3	26	57	44	41	39	62	60	219	624	265	21	34
4	24	68	47	36	38	62	54	215	630	268	22	32
5	25	61	50	38	39	58	55	214	644	234	21	29
6	29	60	57	38	40	62	53	233	698	208	18	26
7	31	58	49	32	42	59	60	213	726	184	17	30
8	34	58	45	43	40	49	67	214	710	164	17	79
9	35	60	32	37	41	52	81	210	656	141	17	66
10	34	56	26	36	39	55	91	205	588	129	17	59
11	31	59	38	34	37	59	89	238	528	116	17	60
12	30	118	37	37	38	65	88	279	509	105	24	51
13	31	105	42	36	36	61	89	290	531	96	27	47
14	37	73	42	34	55	61	87	289	571	101	27	44
15	63	58	32	38	63	65	91	343	593	112	24	54
16	67	56	35	36	50	69	89	435	604	103	24	51
17	81	60	37	34	44	72	92	552	653	116	30	46
18	68	43	38	21	42	75	90	500	881	118	29	43
19	62	59	39	27	44	88	90	478	869	113	29	41
20	57	52	36	37	46	99	91	456	779	100	36	39
21	54	47	37	39	50	104	97	487	688	87	33	38
22	54	57	37	37	52	128	92	537	616	81	49	38
23	54	49	41	26	58	124	83	581	538	70	63	39
24	57	52	43	38	60	117	86	561	479	60	49	38
25	57	49	38	38	61	112	81	490	423	53	51	43
26	55	50	38	39	68	103	89	446	400	45	54	41
27	53	44	37	37	68	92	107	411	349	39	66	36
28	53	27	35	34	67	96	123	393	310	33	64	41
29	53	26	34	36	---	86	148	511	314	29	56	60
30	51	39	39	30	---	79	181	584	369	27	53	73
31	47	---	38	34	---	76	---	597	---	26	45	---
TOTAL	1405	1695	1237	1082	1333	2422	2642	11563	17425	3836	1051	1370
MEAN	45.3	56.5	39.9	34.9	47.6	78.1	88.1	373	581	124	33.9	45.7
MAX	81	118	57	43	68	128	181	597	881	323	66	79
MIN	24	26	26	21	36	49	53	189	310	26	17	26
AC-FT	2790	3360	2450	2150	2640	4800	5240	22940	34560	7610	2080	2720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1924	38.0	116	1942	3.09	1951
1925	35.7	95.5	1942	4.18	1951
1926	31.3	54.3	1942	9.75	1951
1927	28.7	42.2	1985	12.0	1951
1928	30.6	72.7	1932	15.0	1951
1929	46.9	129	1989	15.5	1951
1930	147	505	1942	13.3	1972
1931	317	1231	1941	8.94	1972
1932	204	813	1941	5.49	1950
1933	51.0	204	1937	.86	1950
1934	49.6	222	1991	2.71	1950
1935	42.3	190	1929	2.79	1950

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1924 - 1995
ANNUAL TOTAL	54666	47061	
ANNUAL MEAN	150	129	85.5
HIGHEST ANNUAL MEAN			235
LOWEST ANNUAL MEAN			12.8
HIGHEST DAILY MEAN	1320	May 20	2590
LOWEST DAILY MEAN	13	Jul 26	.20
ANNUAL SEVEN-DAY MINIMUM	16	Jul 20	.60
INSTANTANEOUS PEAK FLOW			4200
INSTANTANEOUS PEAK STAGE			7.60
INSTANTANEOUS LOW FLOW			.06
ANNUAL RUNOFF (AC-FT)	108400	93350	61960
10 PERCENT EXCEEDS	520	450	214
50 PERCENT EXCEEDS	43	56	35
90 PERCENT EXCEEDS	26	30	13

e Estimated

RIO GRANDE BASIN

08279000 EMBUDO CREEK AT DIXON, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
NOV 1994										
22...	1445	55	374	8.0	9.0	2.0	618	15.2	136	170
MAR 1995										
28...	1400	94	398	7.1	10.0	8.5	613	10.2	109	120
JUN										
13...	1115	538	155	7.5	27.0	10.5	618	9.2	102	73
JUL										
17...	1255	88	297	8.6	17.0	17.5	620	8.7	112	150
18...	1110	938	307	8.3	20.5	15.5	619	8.5	105	--
AUG										
19...	1100	41	398	8.4	25.5	18.0	616	8.2	108	--

[illegible][illegible]

LOCATION.--Lat 36°12'20", long 105°57'49", in SWSW sec.23, T.23 N., R.9 E., Rio Arriba County, Hydrologic Unit 13020101, on right bank 0.2 mi downstream from bridge at Embudo, 2.8 mi downstream from Embudo Creek, and at mile 1.643.1.

PERIOD OF RECORD.--January 1889 to current year. Monthly discharge only for some periods, published in WSP 1312. Figures of daily discharge for Oct. 4 to Nov. 30, 1896, published in WSP 358, are unreliable and should not be used.

REVISED RECORDS.--WSP 358: 1900-1902. WSP 828: Drainage area. WSP 878: 1915-16. WSP 1512: 1892-99, 1904, 1916, 1931-32, 1939, 1944-45, 1950. WSP 1712: 1903(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 5,789.14 ft above National Geodetic Vertical Datum of 1929. Jan. 1 to Feb. 28, 1889, nonrecording gage 1.2 mi upstream at different datum. March 1889 to December 1903, nonrecording gage 1,300 ft upstream at different datum. September 1912 to June 1914, water-stage recorder on downstream end of bridge pier at site 200 ft upstream at present datum.

REMARKS.--Records good. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 40,000 acres in New Mexico. Several observations of water temperature were made during the year. National Weather Service gage-height telemeter and U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--41 years (water years 1890-1930), 1,238 ft³/s, 896,900 acre-ft/yr.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	404	547	655	615	970	817	1200	2600	4840	753	516
2	272	400	560	583	691	971	783	1380	2540	5350	721	486
3	269	443	607	595	685	964	787	1560	2660	5810	682	463
4	261	475	619	581	672	965	762	1660	2820	6340	648	431
5	259	469	661	625	674	920	748	1770	2960	7050	619	405
6	268	473	738	618	693	925	761	1710	3340	7240	593	394
7	303	493	772	609	710	921	728	1750	3530	6720	556	399
8	350	488	734	628	707	888	733	1730	3680	6130	541	493
9	339	488	710	635	705	874	786	1620	3810	5500	528	552
10	343	479	610	671	728	798	874	1510	3430	5060	514	486
11	339	478	567	651	729	756	984	1430	3300	4830	500	486
12	328	656	611	650	722	737	967	1450	3380	4570	523	474
13	316	661	640	669	712	714	909	1500	3250	4240	528	491
14	330	573	626	645	767	729	905	1500	3430	3880	533	504
15	405	532	610	645	782	763	947	1560	3800	3490	496	498
16	442	511	604	676	780	747	1050	1780	3880	3020	486	487
17	507	519	589	661	745	743	1080	2230	4010	2690	518	456
18	464	469	615	571	721	752	1070	2600	4600	2440	497	445
19	453	444	612	525	721	806	1090	2880	4890	2360	478	441
20	459	473	609	578	719	842	1080	2820	5270	2350	475	425
21	470	539	597	619	737	857	1080	2650	5590	2270	452	416
22	468	514	602	645	762	964	1030	2790	5640	2150	454	420
23	462	559	617	629	791	970	971	2990	5180	1910	495	436
24	442	548	633	606	817	993	995	3210	4740	1700	476	452
25	430	540	657	584	859	972	986	3190	4470	1500	462	447
26	448	556	640	642	910	914	973	2990	4350	1360	479	424
27	440	532	628	673	927	865	990	2650	4360	1220	500	428
28	433	541	649	657	950	826	1030	2400	4360	1050	550	458
29	428	493	621	646	---	782	1080	2510	4330	960	569	473
30	420	520	642	624	---	741	1120	2680	4540	897	539	451
31	410	---	679	594	---	782	---	2670	---	815	505	---
TOTAL	11820	15270	19606	19390	21031	26451	28116	66370	118740	109742	16670	13737
MEAN	381	509	632	625	751	853	937	2141	3958	3540	538	458
MAX	507	661	772	676	950	993	1120	3210	5640	7240	753	552
MIN	259	400	547	525	615	714	728	1200	2540	815	452	394
AC-FT	23440	30290	38890	38460	41710	52470	55770	131600	235500	217700	33060	27250

MEAN	419	554	523	506	575	712	1032	2097	2016	795	445	379
MAX	1795	1611	1052	799	888	1290	3544	7228	6837	3540	1699	1132
(WY)	1942	1942	1942	1942	1987	1989	1942	1941	1941	1995	1957	1982
MIN	182	243	269	300	323	286	274	249	199	188	186	171
(WY)	1957	1957	1957	1957	1957	1957	1981	1972	1977	1963	1956	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995	
ANNUAL TOTAL	366575		466943			
ANNUAL MEAN	1004		1279		838	
HIGHEST ANNUAL MEAN					2077	1942
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	5810	May 20	7240	Jul 6	11700	May 16 1941
LOWEST DAILY MEAN	257	Aug 11	259	Oct 5	165	Sep 2 1956
ANNUAL SEVEN-DAY MINIMUM	263	Sep 29	271	Oct 1	166	Sep 1 1956
INSTANTANEOUS PEAK FLOW			7410	Jul 6	16200	Jun 19 1903
INSTANTANEOUS PEAK STAGE			10.87	Jul 6	15.90	Jun 19 1903
ANNUAL RUNOFF (AC-FT)	727100		926200		607100	
10 PERCENT EXCEEDS	2500		3400		1640	
50 PERCENT EXCEEDS	611		691		510	
90 PERCENT EXCEEDS	297		443		262	

a-From rating curve extended above 5,400 ft³/s.

RIO GRANDE BASIN

08284100 RIO CHAMA NEAR LA PUENTE, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD) UNITS (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1994										
16...	1100	102	230	7.5	6.5	1.5	585	11.2	104	<10
JAN 1995										
10...	1050	41	233	8.0	0.0	0.0	583	--	--	38
APR										
05...	1100	E597	155	7.2	13.0	5.0	582	11.6	119	17
JUN										
01...	1000	1310	64	7.6	17.5	6.5	585	9.8	104	13
JUL										
19...	1210	386	93	7.7	25.0	15.0	587	7.9	101	<10
AUG										
23...	1115	111	191	8.5	25.0	21.0	594	--	--	<10

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY TOT IT FIELD MG/L AS CACO3 (39086)
NOV 1994										
16...	98	17	29	6.1	8.2	0.4	1.7	98	0	80
JAN 1995										
10...	--	--	--	--	--	--	--	--	--	--
APR										
05...	64	6	19	3.9	4.7	0.3	1.3	70	0	58
JUN										
01...	21	3	6.6	1.2	1.7	0.2	0.60	23	0	19
JUL										
19...	38	2	12	1.9	2.8	0.2	1.2	44	0	36
AUG										
23...	--	--	--	--	--	--	--	--	--	--

DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
NOV 1994									
16...	84	29	2.6	0.10	19	144	<0.010	<0.050	<0.015
JAN 1995									
10...	--	--	--	--	--	--	<0.010	<0.050	<0.015
APR									
05...	62	14	1.3	<0.10	15	94	<0.010	<0.050	0.020
JUN									
01...	24	1.9	0.40	0.10	12	36	<0.010	<0.050	<0.015
JUL									
19...	41	3.4	0.50	<0.10	19	63	<0.010	<0.050	<0.015
AUG									
23...	--	--	--	--	--	--	<0.010	0.050	<0.015

RIO GRANDE BASIN

08284100 RIO CHAMA NEAR LA PUENTE, NM -- Continued
WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994									
16...	<0.20	0.030	0.010	3.5	20	30	85	23	17
JAN 1995									
10...	<0.20	0.040	<0.010	4.1	--	--	13	1.4	74
APR									
05...	0.20	0.040	0.030	9.0	10	99	62	--	87
JUN									
01...	0.30	0.030	0.030	3.7	<10	78	39	138	64
JUL									
19...	<0.20	0.030	0.020	3.1	10	54	4	4.2	86
AUG									
23...	0.20	0.030	<0.010	3.6	--	--	5	1.5	100

RIO GRANDE BASIN

08284160 AZOTEA TUNNEL AT OUTLET, NEAR CHAMA, NM

LOCATION.--Lat 36°51'12", long 106°40'18", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on left bank at south portal, 0.2 mi upstream from Azotea Creek, and 6.2 mi southwest of Chama.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 7,519.87 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation).

REMARKS.--Records represent regulated diversions from Rio Blanco, Little Navajo River, and Navajo River in San Juan River Basin.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--24 years, 129 ft³/s, 93,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s, May 17, 1978, gage height, 7.85 ft; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 981 ft³/s, June 16; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	369	575	45	4.0	.00
2	.00	.00	.00	.00	.00	.00	.00	438	858	44	4.0	.00
3	.00	.00	.00	.00	.00	.00	.00	445	933	44	4.0	.00
4	.00	.00	.00	.00	.00	.00	.00	368	943	44	4.0	.00
5	.00	.00	.00	.00	.00	.00	.00	508	935	45	4.0	.00
6	.00	.00	.00	.00	.00	.00	.00	458	935	45	4.0	.00
7	.00	.00	.00	.00	.00	.00	.00	420	939	45	4.0	.00
8	.00	.00	.00	.00	.00	.00	.00	342	939	45	4.0	.00
9	.00	.00	.00	.00	.00	.00	.00	265	939	45	4.0	.00
10	.00	.00	.00	.00	.00	.00	127	304	927	45	4.0	.00
11	.00	.00	.00	.00	.00	.00	211	392	923	44	4.0	.00
12	.00	.00	.00	.00	.00	.00	232	415	937	52	4.0	.00
13	.00	.00	.00	.00	.00	.00	325	378	937	55	4.0	.00
14	.00	.00	.00	.00	.00	.00	388	399	938	55	4.0	.00
15	.00	.00	.00	.00	.00	.00	331	704	929	55	4.0	.00
16	.00	.00	.00	.00	.00	.00	271	922	981	55	4.0	.00
17	.00	.00	.00	.00	.00	.00	268	935	967	55	4.0	.00
18	.00	.00	.00	.00	.00	.00	216	774	848	56	4.0	.00
19	.00	.00	.00	.00	.00	.00	213	722	977	31	4.0	.00
20	.00	.00	.00	.00	.00	.00	197	756	569	5.0	4.0	.00
21	.00	.00	.00	.00	.00	.00	170	897	77	5.0	4.0	.00
22	.00	.00	.00	.00	.00	.00	159	928	88	5.0	4.0	.00
23	.00	.00	.00	.00	.00	.00	143	971	89	5.0	4.0	.00
24	.00	.00	.00	.00	.00	.00	144	914	87	5.0	35	.00
25	.00	.00	.00	.00	.00	.00	188	760	87	4.0	68	.00
26	.00	.00	.00	.00	.00	.00	247	695	73	4.0	65	.00
27	.00	.00	.00	.00	.00	.00	285	634	73	4.0	68	.00
28	.00	.00	.00	.00	.00	.00	260	588	80	4.0	130	.00
29	.00	.00	.00	.00	.00	.00	284	540	94	4.0	70	.00
30	.00	.00	.00	.00	.00	.00	387	489	80	4.0	3.0	.00
31	.00	.00	.00	.00	.00	.00	.00	468	.00	4.0	3.0	.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	5046.00	18198	18757	958.0	534.0	0.00
MEAN	.000	.000	.000	.000	.000	.000	168	587	625	30.9	17.2	.000
MAX	.00	.00	.00	.00	.00	.00	388	971	981	56	130	.00
MIN	.00	.00	.00	.00	.00	.00	.00	265	73	4.0	3.0	.00
AC-FT	.00	.00	.00	.00	.00	.00	10010	36100	37200	1900	1060	.00

CAL YR 1994 TOTAL 41438.50 MEAN 114 MAX 1030 MIN .00 AC-FT 82190
WTR YR 1995 TOTAL 43493.00 MEAN 119 MAX 981 MIN .00 AC-FT 86270

RIO GRANDE BASIN

08284200 WILLOW CREEK ABOVE HERON RESERVOIR, NEAR LOS OJOS, NM

LOCATION.--Lat 36°44'33", Long 106°37'34", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on right bank 200 ft downstream from bridge, 0.2 mi downstream from Iron Spring Creek, 3.3 mi west of Los Ojos, and at mile 9.7.

DRAINAGE AREA.--112 mi².

PERIOD OF RECORD.--October and November 1962 (monthly discharge only), December 1962 to current year. Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder. Concrete control since June 6, 1963. Datum of gage is 7,196.29 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to Apr. 1, 1971, at site 900 ft downstream at lower datum.

REMARKS.--Records represent inflow to Heron Reservoir and since Nov. 17, 1970, include San Juan River water imported through Azotea tunnel (station 08284160).

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--8 years (water years 1963-70), 10.5 ft³/s, 7,610 acre-ft/yr, prior to completion of Azotea tunnel. 25 years (water years 1971-95), 143 ft³/s, 103,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,610 ft³/s, Mar. 12, 1985, gage height, 6.65 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,060 ft³/s, Mar. 6; no flow July 26-31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.43	.19	.29	.15	.27	153	22	429	602	73	1.4	.61
2	.34	.18	.32	.15	.28	158	24	496	833	64	1.8	.38
3	.33	.76	.36	.14	.29	162	25	501	927	62	1.4	.26
4	.27	2.0	.38	.12	.31	165	37	440	926	65	1.1	.18
5	.23	1.7	.44	.12	.34	165	60	494	951	65	1.3	.16
6	.25	1.3	.20	.17	.38	1060	69	494	990	65	1.4	.26
7	.23	.96	17	.18	.43	260	76	494	986	65	1.1	3.7
8	.46	.86	4.7	.20	.50	120	82	388	981	63	.72	2.8
9	.34	.66	1.4	.20	.71	92	70	342	986	63	.56	3.2
10	.24	.50	.70	.20	.66	117	118	306	946	62	.56	1.0
11	.18	.46	.42	.21	.61	179	270	311	951	62	.56	.63
12	.14	22	.27	.24	.71	303	249	383	981	60	.59	.36
13	.18	21	.27	.26	.76	125	319	381	981	70	.96	.32
14	.22	5.5	.27	.23	2.0	120	438	416	979	72	2.2	.27
15	.50	2.3	.20	.24	13	148	382	374	955	73	1.7	.16
16	1.9	1.7	.19	.26	25	157	323	946	981	74	1.8	.18
17	2.2	1.5	.16	.26	26	193	330	874	952	79	1.7	.10
18	1.8	1.1	.17	.25	21	215	271	914	854	61	1.8	.22
19	1.3	.91	.17	.21	20	214	286	772	975	58	1.0	.30
20	1.1	.96	.15	.22	39	190	274	718	734	8.1	.88	.27
21	1.9	.81	.13	.24	94	164	261	736	107	4.0	.59	.22
22	1.6	.86	.14	.25	166	170	305	856	107	2.5	.52	.21
23	1.3	.70	.16	.24	233	101	275	902	92	2.0	.76	.21
24	.91	.60	.20	.24	262	84	292	871	89	1.5	12	.30
25	.70	.50	.26	.24	240	56	308	724	92	1.5	46	.38
26	.60	.49	.24	.28	247	44	373	728	93	.00	70	.40
27	.60	.47	.22	.30	209	36	401	670	96	.00	49	.34
28	.44	.37	.18	.31	144	35	348	624	97	.00	147	.27
29	.32	.27	.18	.29	---	28	357	573	116	.00	91	.56
30	.27	.25	.18	.23	---	25	436	554	118	.00	173	.67
31	.23	---	.18	.29	---	26	---	514	---	.00	98	---
TOTAL	21.51	71.86	49.93	6.92	1747.25	5065	7081	18225	19478	1275.60	712.40	18.92
MEAN	.69	2.40	1.61	.22	62.4	163	236	588	649	41.1	23.0	.63
MAX	2.2	22	20	.31	262	1060	438	946	990	79	173	3.7
MIN	.14	.18	.13	.12	.27	25	22	306	89	.00	.52	.10
AC-FT	43	143	99	14	3470	10050	14050	36150	38630	2530	1410	38

CAL YR 1994 TOTAL 46724.19 MEAN 128 MAX 1020 MIN .00 AC-FT 92680
WTR YR 1995 TOTAL 53753.39 MEAN 147 MAX 1060 MIN .00 AC-FT 106600

RIO GRANDE BASIN

08284300 HORSE LAKE CREEK ABOVE HERON RESERVOIR, NEAR LOS OJOS, NM

LOCATION.--Lat 36°42'24", long 106°44'42", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on right bank 3.7 mi northwest of Heron Dam, 7.8 mi downstream from Horse Lake, and 9.9 mi west of Los Ojos.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--October and November 1962 (monthly discharge only), December 1962 to current year. No winter records subsequent to 1973. Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder. Concrete control since June 10, 1963. Datum of gage is 7,188.85 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to July 1, 1971, at site 1,100 ft upstream at higher datums.

REMARKS.--Diversions upstream from station for irrigation of meadows and for off-channel stock tanks.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE--11 years (water years 1963-73), 1.10 ft³/s, 797 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,960 ft³/s, July 30, 1968, gage height, 4.9 ft, site and datum then in use, from rating curve extended above 37 ft³/s on basis of slope-area measurements at gage heights 3.20 ft and 4.9 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 24 ft³/s, Apr. 11, no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	.00	7.6	25	10	18	.00	.00	.00
2	---	---	---	---	.00	7.1	27	8.5	6.6	.00	.00	.00
3	---	---	---	---	.00	5.4	20	9.8	7.1	.00	.00	.00
4	---	---	---	---	.00	2.6	14	11	7.2	.00	.00	.00
5	---	---	---	---	.00	5.2	13	12	5.0	.00	.00	.00
6	---	---	---	---	.00	.20	19	13	5.0	.00	.00	.00
7	---	---	---	---	.00	3.0	22	13	4.0	.00	.00	.00
8	---	---	---	---	.00	7.6	23	12	3.0	.00	.00	.00
9	---	---	---	---	.00	8.5	22	6.9	3.0	.00	.00	.00
10	---	---	---	---	.00	7.3	19	6.1	2.0	.00	.00	.00
11	---	---	---	---	.00	6.0	18	7.3	1.0	.00	.00	.00
12	---	---	---	---	.00	4.0	18	8.3	1.0	.00	.00	.00
13	---	---	---	---	.00	7.6	11	9.2	.00	.00	.00	.00
14	---	---	---	---	.00	7.9	10	11	.00	.00	.00	.00
15	---	---	---	---	.00	8.5	14	12	.00	.00	.00	.00
16	---	---	---	---	.00	8.5	15	12	.00	.00	.00	.00
17	---	---	---	---	.00	7.1	11	11	.00	.00	.00	.00
18	---	---	---	---	.00	6.1	12	11	.00	.00	.00	.00
19	---	---	---	---	.00	6.9	18	13	.00	.00	.00	.00
20	---	---	---	---	.00	7.2	19	14	.00	.00	.00	.00
21	---	---	---	---	.00	6.4	23	17	.00	.00	.00	.00
22	---	---	---	---	.00	6.0	21	19	.00	.00	.00	.00
23	---	---	---	---	.00	7.3	18	22	.00	.00	.00	.00
24	---	---	---	---	.00	8.1	18	22	.00	.00	.00	.00
25	---	---	---	---	.00	10	17	22	.00	.00	.00	.00
26	---	---	---	---	.00	12	14	24	.00	.00	.00	.00
27	---	---	---	---	8.5	14	17	26	.00	.00	.00	.00
28	---	---	---	---	11	16	16	26	.00	.00	.00	.00
29	---	---	---	---	---	18	8.4	20	.00	.00	.00	.00
30	---	---	---	---	---	21	7.7	19	.00	.00	.00	.00
31	---	---	---	---	---	23	---	25	.00	.00	.00	---
TOTAL	---	---	---	---	19.50	266.10	510.1	453.1	62.90	0.00	0.00	0.00
MEAN	---	---	---	---	.70	8.58	17.0	14.6	2.10	.000	.000	.000
MAX	---	---	---	---	11	23	27	26	18	.00	.00	.00
MIN	---	---	---	---	.00	.20	7.7	6.1	.00	.00	.00	.00
AC-FT	---	---	---	---	39	528	1010	899	125	.00	.00	.00

RIO GRANDE BASIN

08284510 HERON RESERVOIR NEAR LOS OJOS, NM

LOCATION.--Lat 36°39'56", long 106°42'13", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, at Heron Dam on Willow Creek, 0.2 mi upstream from Rio Chama, 5.1 mi northeast of El Vado Dam, and 6.7 mi southwest of Los Ojos.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--October 1970 to current year. Published as "near Park View" prior to 1976.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to Mar. 24, 1971, nonrecording gage.

REMARKS.--Reservoir is formed by earthfill dam; storage began Oct. 21, 1970. Total capacity 401,300 acre-ft at elevation 7,186.1 ft, low point on crest of uncontrolled spillway, including 1,340 acre-ft of dead storage at elevation 7,003.0 ft, invert of gate sill of outlet tunnel. Reservoir is used for storage of transmountain water from San Juan River basin and for recreation. Figures given herein represent total storage.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 401,800 acre-ft, July 28, 1982, elevation, 7,186.19 ft; no storage prior to Oct. 21, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 400,330 acre-ft, Mar. 6, elevation, 7,185.93 ft; minimum, 325,330 acre-ft, Apr. 29, 30, elevation, 7,172.45 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on survey by Bureau of Reclamation in 1986)

7,170	312,600
7,180	366,200
7,190	424,700

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT.	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	394220	392650	392530	389500	390200	396040	350080	325490	362210	398800	398800	393870
2	394050	392590	392470	389450	390200	396740	348770	326120	363880	398800	398800	393810
3	394110	392880	392470	389450	390200	397040	347350	326590	365730	398740	398680	393760
4	394050	392820	392410	389450	390200	397330	346110	327170	367460	398740	398150	393700
5	393930	392820	392470	389910	390140	397740	344860	328060	369660	398860	396740	393580
6	393760	392820	392760	389850	390140	400330	343130	328900	371520	398970	395330	393520
7	393700	392710	392650	389910	390090	399210	342320	329590	373390	399030	394340	393640
8	393700	392760	392410	389910	390200	398150	341030	330220	375260	399090	394280	393640
9	393640	392710	392180	389910	390200	397090	339740	330690	377140	399150	394280	393520
10	393580	392710	391890	389910	390140	396160	338290	331430	379080	399620	394050	393460
11	393460	392760	391660	389910	390140	395330	337440	332230	380850	399680	394110	393410
12	393410	393350	391420	389910	390140	394870	336850	333130	382800	399800	394110	393290
13	393290	393290	391310	389970	390260	390140	336050	333820	384760	399740	394050	393170
14	393230	393290	391070	389910	390670	391070	335470	334560	386610	399800	393930	393060
15	393460	393170	390900	389910	390780	390900	334720	335940	388580	399860	393870	393000
16	393460	393110	390730	389970	390960	388290	333980	337600	390430	399920	393990	392940
17	393460	393110	390550	390090	391070	385860	332970	339960	392650	400030	393990	392880
18	393460	393060	390320	390090	391130	383720	332120	341620	394160	400150	393870	392710
19	393410	393000	390090	390090	391250	381310	331330	343240	396210	400150	393930	392300
20	393110	393000	389910	390030	391420	378790	330530	344750	397500	400090	393870	391310
21	393170	392940	389740	390090	391660	376450	329740	346380	397560	399980	393870	390200
22	393110	392880	389680	389560	392120	373840	329160	348610	397680	399860	393870	389560
23	393060	392880	389620	390090	392650	371180	328320	350510	397740	399740	393870	389330
24	393000	392820	389620	390090	393290	368470	327530	352430	397800	399560	393290	389330
25	393000	392820	389620	390090	393810	366120	326690	353910	397920	399500	393350	389040
26	392650	392820	389620	390140	394340	363380	326070	355230	398030	399390	393460	388630
27	392940	392710	389620	390260	394930	360260	325750	356390	398150	399330	393640	388630
28	392880	392650	389620	390200	395450	357440	325540	357710	398270	399330	393870	388690
29	392820	392590	389620	390200	---	354680	325330	359040	398450	399270	393990	388810
30	392760	392530	389620	390260	---	352760	325330	360100	398740	399210	393990	388750
31	392650	---	389560	390260	---	351440	---	360980	---	398970	393990	---
MAX	394220	393350	392760	390260	395450	400330	350080	360980	398740	400150	398800	393870
MIN	392650	392530	389560	389450	390090	351440	325330	325490	362210	398740	393290	388630
(↑)	7184.62	7184.61	7184.09	7184.21	7185.10	7177.33	7172.45	7179.06	7185.66	7185.70	7185.85	7184.95
(↑↑)	-630	-120	-970	+700	+5190	-44010	-26110	+35650	+37760	+230	-4980	-5240

CAL YR 1994 MAX 402100 MIN 334300 (↑↑) +1740
WTR YR 1995 MAX 400330 MIN 325330 (↑↑) -5530

(↑) ELEVATION, IN FEET, AT END OF MONTH
(↑↑) CHANGE IN CONTENTS, IN ACRE-FEET

RIO GRANDE BASIN

08284520 WILLOW CREEK BELOW HERON DAM, NM

LOCATION.--Lat 36°39'56", long 106°42'13", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, in outlet conduits of Heron Dam, 0.2 mi upstream from Rio Chama, 5.1 mi northeast of El Vado Dam, and 8.7 mi southwest of Los Ojos.

DRAINAGE AREA.--193 mi².

PERIOD OF RECORD.--January 1971 to current year.

GAGE.--Totalizing flowmeters in each of two outlet conduits in Heron Dam.

REMARKS.--Flow regulated by Heron Reservoir (station 08284510). Outlet conduits are 14-in. and 120-in. in diameter.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--24 years, 124 ft³/s, 89,840 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,780 ft³/s, Dec. 18, 19, 1982; no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,530 ft³/s, Mar. 20; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	732	361	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	732	253	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	179	737	253	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	320	739	158	.00	.00	424	.00
5	.00	.00	.00	.00	.00	320	737	57	.00	.00	729	.00
6	.00	.00	.00	.00	.00	919	736	41	.00	.00	729	.00
7	.00	.00	.00	.00	.00	1020	736	41	.00	.00	288	.00
8	.00	.00	.00	.00	.00	746	736	41	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	743	736	21	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	740	738	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	738	739	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	738	737	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	738	733	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	739	733	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	1230	733	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	1520	733	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	1510	735	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	1510	733	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	1510	732	.00	.00	.00	.00	250
20	.00	.00	.00	.00	.00	1530	734	.00	.00	.00	.00	437
21	.00	.00	.00	.00	.00	1500	735	.00	.00	.00	.00	437
22	.00	.00	.00	.00	.00	1490	733	.00	.00	.00	102	183
23	.00	.00	.00	.00	.00	1500	733	.00	.00	.00	187	.00
24	.00	.00	.00	.00	.00	1500	734	.00	.00	.00	187	.00
25	.00	.00	.00	.00	.00	1500	731	.00	.00	.00	82	148
26	.00	.00	.00	.00	.00	1500	724	.00	.00	.00	.00	95
27	.00	.00	.00	.00	.00	1500	597	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	1500	462	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	1500	467	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	.00	999	467	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	733	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	31972.00	21084	1226.00	0.00	0.00	2728.00	1550.00
MEAN	.000	.000	.000	.000	.000	1031	703	39.5	.000	.000	88.0	51.7
MAX	.00	.00	.00	.00	.00	1530	739	361	.00	.00	729	437
MIN	.00	.00	.00	.00	.00	.00	462	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	63420	41820	2430	.00	.00	5410	3070

CAL YR 1994 TOTAL 46419.00 MEAN 127 MAX 1340 MIN .00 AC-FT 92070
WTR YR 1995 TOTAL 58560.00 MEAN 160 MAX 1530 MIN .00 AC-FT 116200

RIO GRANDE BASIN

08285000 EL VADO RESERVOIR NEAR TIERRA AMARILLA, NM

LOCATION.--Lat 36°35'39", long 106°44'00", Rio Arriba County, Hydrologic Unit 13020102, Tierra Amarilla Grant, at outlet tower of dam on Rio Chama, at village of El Vado, 12.4 mi southwest of Tierra Amarilla, and at mile 77.7.

DRAINAGE AREA.--873 mi², of which about 100 mi² probably is noncontributing.

PERIOD OF RECORD.--January 1935 to September 1965 (monthend contents only), October 1965 to current year. Prior to October 1967, contents at about 0730 hours.

GAGE.--Water-stage recorder. Prior to October 1967, nonrecording gage only below gage height 6,879.3 ft. Datum of gage is 8.21 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by rockfill dam, steel faced. Storage began in January 1935. Capacity 186,250 acre-ft between gage heights 6,759.0 ft and 6,902.0 ft, top of spillway gate. Dead storage, 1,480 acre-ft below 6,775.0 ft, sill of outlet works. Figures given herein represent total contents. Reservoir is used to impound water for irrigation by Middle Rio Grande Conservancy District and, since December 1972, for storage of contract water from San Juan-Chama Project. Rehabilitation of outlet works, completed in December 1966, increased valve-controlled release from about 1,750 ft³/s to about 6,000 ft³/s.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 204,900 acre-ft, of which 7,400 acre-ft was uncontrolled storage, June 4, 5, 1948, gage height, 6,904.2 ft; no storage at times prior to December 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 171,490 acre-ft, July 20, elevation, 6,897.33 ft; minimum, 69,950 acre-ft, Feb. 19-20, elevation 6,853.86.

Capacity table (gage height, in feet, and contents, in acre-feet)

(Based on survey by Bureau of Reclamation in 1987)

6,845	56,100	6,875	111,000
6,850	63,730	6,885	135,900
6,860	80,510	6,895	164,400
6,865	89,870	6,900	179,800

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94140	86450	82500	79150	72430	72180	116620	132830	141550	169510	166850	142100
2	93800	86320	82300	78930	72240	72660	118010	132850	143200	169080	166640	141300
3	93420	86300	82080	78740	71840	73240	119320	133040	144200	169050	166600	140480
4	93090	86200	81880	78540	71680	74240	120890	133690	144720	169050	166480	139670
5	92720	86030	81700	78420	71430	75440	122690	135120	145230	168960	166060	139160
6	92440	85900	81740	78230	71390	79490	124690	135170	146430	169210	165900	138880
7	92140	85810	81770	78010	71210	82130	126510	135010	146820	169670	165360	138910
8	91860	85710	81790	77840	70990	83900	128350	134910	147220	170100	164420	139070
9	91540	85600	81590	77610	70880	85510	130380	134770	148320	170410	163450	139100
10	91210	85450	81590	77400	70630	87120	131990	134800	150000	170750	162340	139020
11	90870	85380	81500	77220	70450	88940	133480	135200	151690	170930	161110	138910
12	90540	85660	81440	77070	70250	91090	134590	135890	153660	171020	159380	138780
13	90170	85680	81430	76820	70100	92830	135750	135650	155930	171090	157960	138640
14	89720	85580	81390	76540	70220	94560	136420	136440	158140	171120	156990	138400
15	89500	85430	81300	76350	70280	97270	136580	138320	160510	171090	156340	138270
16	89190	85320	81210	76150	70180	99540	136440	140020	162940	170960	155320	138050
17	89040	85210	81140	75990	70050	101170	136920	140890	165970	171120	154970	137840
18	88750	85020	81080	75920	70000	102930	137810	140460	168040	171240	153600	137570
19	88570	84870	81050	75370	69950	104910	139130	140430	168130	171390	152040	137810
20	88400	84740	80970	75130	69950	106350	140290	140950	167890	171490	150890	138400
21	88230	84590	80940	74960	69970	107220	140650	141740	167730	170990	150260	138970
22	88090	84460	80790	74750	70050	108430	140810	142680	167920	170010	149340	139100
23	87920	84270	80630	74460	70200	109130	140730	142350	167950	169420	148800	138860
24	87750	84070	80420	74240	70380	109450	140100	141030	167640	169510	148430	138620
25	87610	83900	80270	74000	70650	109470	137490	140590	167610	169570	147700	138590
26	87460	83790	80020	73830	70910	109240	134480	140270	168070	169670	146350	138620
27	87290	83590	79970	73610	71230	109110	132880	139800	168560	169640	145310	138370
28	87140	83350	79560	73370	71640	110170	132510	139780	168840	169050	144780	138210
29	86960	83110	79310	73150	---	112200	132670	139910	169020	167770	144310	138160
30	86790	82680	79630	72980	---	113920	132960	140400	169640	166940	143590	138180
31	86680	---	79430	72650	---	115290	---	140730	---	166940	142730	---
MAX	94140	86450	82500	79150	72430	115290	140810	142680	169640	171490	166850	142100
MIN	86680	82680	79310	72650	69950	72180	116620	132830	141550	166940	142730	137570
(↑)	6863.34	6861.20	6859.40	6855.48	6854.88	6876.82	6883.89	6886.80	6896.73	6895.85	6887.53	6885.86
(↑↑)	-7840	-4000	-3250	-6780	-1010	+43650	+17670	+7770	+28910	-2700	-24210	-4550

CAL YR 1994 MAX 182170 MIN 79310 (↑↑) -23960
WTR YR 1995 MAX 171490 MIN 69950 (↑↑) +43660

(↑) ELEVATION, IN FEET, AT END OF MONTH

(↑↑) CHANGE IN CONTENTS, IN ACRE-FEET

RIO GRANDE BASIN

08285500 RIO CHAMA BELOW EL VADO DAM, NM

LOCATION.--Lat 36°34'48", long 106°43'24", Rio Arriba County, Hydrologic Unit 13020102, in Tierra Amarilla Grant, on left bank 1.5 mi downstream from El Vado Dam, 2.8 mi upstream from Rio Nutrias, 13 mi southwest of Tierra Amarilla, and at mile 76.2.

DRAINAGE AREA.--877 mi², of which about 100 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1913 to November 1915, April to November 1916, March, April 1920, September 1920 to August 1924, October 1935 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River" prior to 1935, as "near Tierra Amarilla" 1913-14, 1935-47, as "near El Vado" 1915-16, and as "at El Vado" 1920-24.

REVISED RECORDS.--WSP 1312: 1914, 1949. WSP 1392: 1949. WDR-NM-90: 1989.

GAGE.--Water-stage recorder. Datum of gage is 6,696.12 ft above National Geodetic Vertical Datum of 1929. Prior to October 1935, at site 1.5 mi upstream at different datum. October 1935 to September 1938 at site 1.1 mi upstream at datum 30.34 ft higher.

REMARKS.--Records good. Flow regulated by El Vado Reservoir (station 08285000) since 1935. Flow affected by release of transmountain water from Heron Reservoir (station 08284510) since May 1971. Diversions for irrigation of about 10,600 acres upstream from station. Several observations of water temperature were made during the year.

AVERAGE DISCHARGE.--5 years (water years 1914-15, 1921-23), 448 ft³/s, 324,600 acre-ft/yr, prior to completion of El Vado Dam. 35 years (water years 1936-70), 373 ft³/s, 270,200 acre-ft/yr, prior to release of transmountain water.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,000 ft³/s, May 22, 1920, gage height, 12 ft, site and datum then in use, from rating curve extended above 3,500 ft³/s; no flow Mar. 25, 26, 31, 1955. Maximum discharge since construction of El Vado Dam in 1935, 6,610 ft³/s, May 7, 1985, gage height, 7.08 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 4 or 5, 1911, was greater than floods in September 1904 and May 1920, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	190	191	180	190	189	295	1630	1870	1650	179	511
2	225	190	196	179	190	190	294	1700	2320	1400	183	511
3	225	190	196	179	190	190	304	1700	3060	1030	183	511
4	225	190	196	179	190	193	313	1000	3710	932	659	504
5	225	187	196	179	190	194	348	1100	3880	818	973	280
6	225	186	196	179	187	199	427	1710	4320	574	739	202
7	225	186	196	179	186	191	597	1510	4300	487	586	211
8	225	186	194	179	186	191	684	1260	3660	489	585	206
9	225	191	190	179	186	193	687	1170	2910	490	585	200
10	225	191	190	179	186	190	597	1170	2340	490	585	200
11	225	193	190	179	186	191	533	1160	2210	492	844	196
12	225	194	190	182	186	193	534	1270	2210	492	1010	196
13	226	193	190	186	186	193	662	1270	2220	494	766	196
14	229	190	190	187	192	196	1060	902	2220	445	535	196
15	225	190	190	190	191	270	1310	1590	1980	480	503	196
16	225	190	190	190	186	711	1320	2760	1710	451	504	196
17	222	190	191	190	186	1130	1080	3180	1710	408	498	196
18	225	190	191	190	186	1130	750	2850	2780	409	777	193
19	210	190	185	190	186	1130	639	2480	2810	409	951	193
20	190	190	183	190	186	1410	643	2590	2790	409	681	188
21	191	190	183	190	185	1700	1000	3310	2450	650	514	190
22	183	190	183	190	186	1700	1220	4020	1930	844	511	190
23	190	190	183	190	186	1820	1220	4750	1820	468	510	190
24	190	184	183	190	186	1910	1490	4060	1830	198	507	190
25	190	183	183	190	186	1900	2920	3230	1410	191	797	186
26	190	183	183	190	186	1900	3240	3030	1130	187	999	186
27	190	183	183	190	186	1780	2190	2590	1120	179	686	188
28	190	183	183	190	189	1190	1340	2470	1180	556	514	186
29	191	183	183	190	---	682	1230	2060	1090	811	522	187
30	192	254	183	190	---	360	1490	1560	1280	430	514	186
31	191	---	183	190	---	294	---	1750	---	168	512	---
TOTAL	6540	5720	5844	5755	5242	23710	30417	66832	70250	17531	18912	7161
MEAN	211	191	189	186	187	765	1014	2156	2342	566	610	239
MAX	229	254	196	190	192	1910	3240	4750	4320	1650	1010	511
MIN	183	183	183	179	185	189	294	902	1090	168	179	186
AC-FT	12970	11350	11590	11420	10400	47030	60330	132600	139300	34770	37510	14200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	190	182	305	155	169	314	932	1741	912	389	336	286
MEAN	190	182	305	155	169	314	932	1741	912	389	336	286
MAX	607	646	1272	435	522	962	1887	3412	2342	707	670	692
(WY)	1987	1987	1976	1987	1986	1985	1986	1985	1995	1992	1992	1976
MIN	36.7	43.9	63.2	23.9	17.1	27.8	33.2	262	186	126	54.4	50.6
(WY)	1979	1977	1971	1978	1976	1973	1973	1972	1976	1985	1971	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	220880	263914	
ANNUAL MEAN	605	723	494
HIGHEST ANNUAL MEAN			754
LOWEST ANNUAL MEAN			194
HIGHEST DAILY MEAN	4350	4750	5790
LOWEST DAILY MEAN	183	168	11
ANNUAL SEVEN-DAY MINIMUM	183	179	16
ANNUAL RUNOFF (AC-FT)	438100	523500	357900
10 PERCENT EXCEEDS	1520	1920	1250
50 PERCENT EXCEEDS	226	225	219
90 PERCENT EXCEEDS	190	185	42

RIO GRANDE BASIN

08286500 RIO CHAMA ABOVE ABIQUIU RESERVOIR, NM

LOCATION.--Lat 36°19'06", long 106°35'50", Rio Arriba County, Hydrologic Unit 13020102, on left bank 40 ft downstream from site of former bridge, 7.7 mi downstream from Rio Gallina, 9 mi northwest of Youngsville, 15.6 mi upstream from Abiquiu Dam, 30.3 mi downstream from El Vado Dam, and at mile 47.4.

DRAINAGE AREA.--1,600 mi², of which about 100 mi² is probably noncontributing.

PERIOD OF RECORD.--August 1961 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,280 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Flow regulated by El Vado Reservoir (08285000). Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions for irrigation of about 15,000 acres upstream from station. Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--9 years (water years 1962-70), 358 ft³/s, 259,400 acre-ft/yr, prior to release of transmountain water.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods probably occurred on Sept. 29, 1904, Oct. 4 or 5, 1911, and May 22, 1920.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	175	193	171	202	254	296	1820	2260	1780	168	528
2	226	174	196	174	204	396	293	1990	2440	1810	175	528
3	225	210	198	174	204	322	296	2000	3050	1340	177	528
4	221	247	197	176	202	440	311	1890	3620	1140	232	528
5	221	187	199	185	203	422	328	905	3990	1050	1030	478
6	221	181	223	184	205	1380	404	2000	4130	830	1010	199
7	221	180	246	182	208	518	546	1910	4480	592	658	191
8	221	180	210	187	217	286	737	1660	4040	581	656	300
9	226	180	192	188	225	240	754	1460	3440	574	651	489
10	221	182	191	190	226	229	721	1450	2850	571	646	212
11	221	184	191	189	222	236	579	1460	2550	564	690	194
12	221	319	189	190	220	270	574	1460	2550	559	1120	181
13	221	240	189	202	229	255	617	1590	2560	555	1060	180
14	221	190	189	203	799	232	978	1360	2570	545	657	180
15	230	182	191	205	1150	260	1440	1440	2540	492	552	180
16	248	182	190	206	556	573	1450	2730	2120	549	546	180
17	272	184	192	206	378	1370	1310	3350	2130	459	554	175
18	241	180	191	202	327	1370	927	3260	2610	464	596	175
19	234	180	183	201	334	1390	713	2910	3220	456	1010	175
20	176	180	182	205	331	1540	725	2790	2980	452	954	175
21	193	181	185	205	356	2020	924	3210	2920	475	573	163
22	167	181	188	205	311	2040	1410	3850	2420	865	572	164
23	173	182	187	201	292	2070	1440	4440	2140	838	598	165
24	176	181	187	203	256	2200	1540	4490	2120	224	603	167
25	176	181	187	202	231	2160	2590	3670	1930	188	793	167
26	176	181	187	204	228	2140	3290	3240	1500	191	1180	167
27	177	181	187	204	214	2050	2860	3040	1290	189	1110	167
28	178	177	186	202	211	1580	1680	2760	1410	204	645	168
29	178	179	187	202	---	959	1430	2670	1370	854	612	189
30	177	249	188	202	---	457	1540	2290	1330	836	578	202
31	176	---	189	204	---	303	---	2010	---	194	526	---
TOTAL	6461	5790	5990	6054	6741	22022	32703	75105	78560	20431	20332	7495
MEAN	208	193	193	195	312	967	1090	2423	2619	659	675	250
MAX	272	319	246	206	1150	2200	3290	4490	4480	1810	1180	528
MIN	167	174	182	171	202	229	293	905	1290	188	168	163
AC-FT	12820	11480	11880	12010	17340	59430	64870	149000	155800	40510	41520	14870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	200	189	313	163	195	362	997	1860	964	401	354	292
MEAN	200	189	313	163	195	362	997	1860	964	401	354	292
MAX	625	676	1273	431	495	1050	1985	3741	2619	707	675	724
(WY)	1987	1987	1976	1987	1987	1985	1985	1984	1995	1992	1995	1976
MIN	40.1	48.4	74.0	29.1	29.7	44.1	106	259	185	132	86.1	77.9
(WY)	1979	1977	1971	1978	1976	1977	1977	1972	1976	1985	1979	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	241031	296214	
ANNUAL MEAN	660	817	526
HIGHEST ANNUAL MEAN			823
LOWEST ANNUAL MEAN			204
HIGHEST DAILY MEAN	4750	May 18	4490
LOWEST DAILY MEAN	167	Oct 22	163
ANNUAL SEVEN-DAY MINIMUM	175	Oct 22	166
INSTANTANEOUS PEAK FLOW			4820
INSTANTANEOUS PEAK STAGE		7.31	May 24
INSTANTANEOUS LOW FLOW			8.70
ANNUAL RUNOFF (AC-FT)	478100	591500	7.5
10 PERCENT EXCEEDS	1780	2340	1330
50 PERCENT EXCEEDS	287	292	234
90 PERCENT EXCEEDS	185	180	56

RIO GRANDE BASIN

08286900 ABIQUIU RESERVOIR NEAR ABIQUIU, NM

LOCATION.--Lat 36°14'24", long 106°25'44", Rio Arriba County, Hydrologic Unit 13020102, in Piedra Lumbre Grant, in operations building at Abiquiu Dam on Rio Chama, 6.6 mi northwest of Abiquiu, and at mile 32.1.

DRAINAGE AREA.--2,146 mi², of which about 100 mi² is probably noncontributing.

PERIOD OF RECORD.--February 1963 to September 1965 (monthend contents only), October 1965 to current year. October 1969 to December 1975, contents at 0800 hours.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Corps of Engineers).

REMARKS.--Reservoir is formed by earthfill dam, completed Feb. 5, 1963. Capacity, 1,198,500 acre-ft between elevations 6,060 ft, invert of outlet tunnel, and 6,350 ft, crest of spillway, based on capacity table from survey 1990. No dead storage. Reservoir is used for flood control and, since March 1976, for recreation. A desilting pool of about 2,000 acre-ft was maintained from May 1968 to 1974, when it was increased to 4,000 acre-ft and continued until December 1975. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 382,720 acre-ft, June 11, 1985, elevation, 6,256.22 ft; no storage at times prior to May 1968 and Jan. 11 to Mar. 25, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 305,940 acre-ft, June 25, elevation, 6,244.90 ft; minimum, 150,360 acre-ft, Oct. 19-20, elevation, 6,210.01 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on survey by U.S. Army Corps of Engineers in 1990)

6,200	115,360	6,240	280,470
6,220	189,310	6,250	333,840
6,230	232,160	6,260	392,280

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161400	150730	153790	157180	159460	160370	185340	296620	250540	302490	285120	286350
2	160220	150960	153940	157260	159500	159690	185550	197790	252120	302390	284910	286040
3	159120	151250	154050	157330	159610	158890	185750	199290	254920	301490	284350	285780
4	158090	151440	154200	157490	159760	158850	185870	200340	258810	300380	284140	285430
5	157110	151630	154350	157680	159880	158810	186000	200880	263240	299170	284650	284960
6	156120	151780	154690	157750	160030	160140	186200	201430	268390	297390	285320	284140
7	155140	151850	154880	157750	160140	159730	186400	202010	273740	294880	285680	283270
8	154160	151920	154960	157750	160330	158510	186650	202100	278180	292600	285890	283320
9	153190	152030	155070	157830	160450	157370	186850	201840	281540	290730	285990	284040
10	152220	152220	155100	158020	160600	156950	186690	201510	283730	288670	285890	284040
11	151550	152520	155180	158130	160750	156990	186160	201340	285530	286810	285780	283530
12	151180	152780	155180	158210	160870	157070	185830	201010	287170	285990	286350	282810
13	150700	153040	155140	158240	160980	157110	185870	200550	288820	285060	286760	282100
14	150440	153120	155070	158280	162090	157260	186080	200130	290520	284910	286710	281330
15	150400	152930	155030	158360	163350	157560	186810	200590	291920	284810	286400	280620
16	150400	152370	155100	158430	163160	158320	187140	203100	292700	285060	286190	279960
17	150440	152000	155290	158470	161740	159690	186890	206480	293740	285120	285890	279150
18	150440	152110	155480	158470	160370	160940	186320	209830	296030	285170	285730	278440
19	150360	152180	155600	158510	160370	162280	185550	212090	298800	285220	285890	277680
20	150360	152300	155860	158590	160330	164000	185510	214460	301330	285170	286140	276920
21	150440	152440	156160	158700	160450	166340	186000	217480	303550	285170	285940	276010
22	150550	152560	156420	158810	160940	168890	186610	222160	304720	285430	285530	275000
23	150660	152670	156610	158890	161360	171470	187260	228060	305300	285890	285320	273990
24	150700	152820	156840	158930	161710	174060	188080	233430	305840	285730	285270	273040
25	150620	152930	157030	159000	162050	176670	189220	237330	305940	285120	285890	272040
26	150550	153080	157220	159080	162200	179260	192770	240480	305470	284550	287070	271130
27	150550	153190	157450	159160	161480	181590	194840	242800	304560	284140	287580	270290
28	150510	153230	157490	159230	160790	183360	195460	245240	303870	283940	287690	269640
29	150510	153270	157490	159310	---	184290	195620	247450	303290	284090	287480	269040
30	150550	153490	157370	159380	---	184900	195750	248780	302600	284860	287220	268090
31	150590	---	157220	159460	---	185140	---	249540	---	285170	286660	---
MAX	161400	153490	157490	159460	163350	185140	195750	296620	305940	302490	287690	286350
MIN	150360	150730	153790	157180	159460	156950	185340	197790	250540	283940	284140	268090
(†)	6210.07	6210.85	6211.84	6212.43	6212.78	6218.98	6221.56	6233.74	6244.27	6240.92	6241.21	6237.54
(††)	-12110	+2900	+3730	+2240	+1330	+24350	+10610	+53790	+53060	-17430	+1490	-18570

CAL YR 1994 MAX 244440 MIN 150360 (††) -17080

WTR YR 1995 MAX 305940 MIN 150360 (††) +105390

(†) ELEVATION, IN FEET, AT END OF MONTH

(††) CHANGE IN CONTENTS, IN ACRE FEET

RIO GRANDE BASIN

08287000 RIO CHAMA BELOW ABIQUIU DAM, NM

LOCATION.--Lat 36°14'12", long 106°24'59", in SE¼SE¼ sec.8, T.23 N., R.5 E., Rio Arriba County, Hydrologic Unit 13020102, on right bank 0.8 mi downstream from Abiquiu Dam, 5.9 mi northwest of Abiquiu, and at mile 31.2.

DRAINAGE AREA.--2,147 mi², of which about 100 mi² is probably noncontributing.

PERIOD OF RECORD.--October 1961 to current year (monthly discharge only, October 1961).

REVISED RECORDS.--WDR-NM-90: 1989.

GAGE.--Water-stage recorder. Concrete control since Jan. 25, 1966. Elevation of gage is 6,040 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Jan. 25, 1966, at datum 1.60 ft lower.

REMARKS.--Records good. Flow controlled by El Vado Reservoir (station 08285000) 46.4 mi upstream and Abiquiu Reservoir (station 08286900) 0.8 mi upstream since February 1963. Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510) 54.5 mi upstream. Diversions for irrigation of about 17,600 acres upstream from station. U.S. Army Corps of Engineers satellite telemeter at station. Several observations of water temperature taken during year.

AVERAGE DISCHARGE.--9 years (water years 1962-70), 384 ft³/s, 278,200 acre-ft/yr, prior to release of transmountain water.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	112	143	184	174	531	289	1620	1780	1790	178	712
2	788	99	143	137	160	780	289	1670	1770	1790	241	576
3	740	98	143	136	159	763	286	1510	1770	1790	393	589
4	670	98	142	140	162	493	355	1350	1780	1790	485	629
5	581	146	143	140	162	491	435	1490	1790	1800	485	628
6	633	146	130	162	147	496	525	1670	1790	1800	481	629
7	637	146	149	187	147	847	673	1730	1800	1800	480	631
8	662	146	211	187	151	969	853	1720	1800	1790	480	526
9	669	146	128	159	153	890	854	1760	1750	1790	519	313
10	669	152	153	132	153	495	921	1770	1740	1780	612	308
11	507	158	209	154	158	301	997	1770	1740	1590	691	398
12	368	158	236	181	162	293	885	1750	1750	1180	706	496
13	397	158	247	181	168	293	787	1750	1750	890	706	496
14	379	198	209	181	209	265	923	1750	1750	477	651	496
15	348	293	211	181	423	246	1150	1610	1750	462	602	470
16	353	443	162	181	665	320	1370	1500	1750	464	603	450
17	247	356	118	181	959	588	1510	1530	1760	464	614	543
18	223	125	114	181	975	792	1380	1690	1760	462	641	507
19	270	136	116	181	548	803	1160	1790	1750	453	669	486
20	217	136	98	181	237	827	950	1680	1760	453	674	485
21	169	136	87	181	232	844	801	1730	1770	448	697	531
22	124	136	83	181	100	842	1110	1620	1790	451	713	595
23	124	136	89	181	100	843	1390	1560	1790	450	689	613
24	145	136	95	181	95	837	1390	1710	1810	444	611	606
25	224	136	96	181	95	847	1600	1770	1800	438	575	608
26	231	136	96	182	171	850	1800	1760	1800	394	604	581
27	196	135	96	179	670	847	1770	1770	1800	359	630	539
28	199	136	146	184	551	749	1770	1780	1800	362	630	518
29	177	142	270	187	---	443	1770	1740	1800	360	630	550
30	164	144	266	190	---	283	1770	1710	1790	359	630	608
31	139	---	268	184	---	283	---	1800	---	265	790	---
TOTAL	12032	4823	4797	5358	8086	19151	31763	52060	53240	29145	18110	16117
MEAN	388	151	155	172	262	618	1059	1679	1775	940	584	537
MAX	788	443	270	190	975	969	1800	1800	1810	1800	790	712
MIN	124	98	83	132	95	246	286	1350	1740	265	178	308
AC-FT	23870	9570	9510	10630	16040	37990	63000	103300	105600	57810	35920	31970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	MEAN	272	307	322	185	250	436	941	1219	1107	655	458	397
	MAX	1261	1181	1308	860	1708	1668	1894	2055	2418	1488	1084	1199
	(WY)	1988	1980	1976	1986	1987	1987	1985	1983	1984	1973	1973	1987
	MIN	44.9	45.8	43.9	35.7	38.0	52.4	311	242	184	201	98.4	64.4
	(WY)	1979	1990	1975	1978	1978	1977	1977	1972	1976	1972	1979	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	257419	254682	
ANNUAL MEAN	705	698	547
HIGHEST ANNUAL MEAN			872
LOWEST ANNUAL MEAN			213
HIGHEST DAILY MEAN	1850	1810	2660
LOWEST DAILY MEAN	83	83	10
ANNUAL SEVEN-DAY MINIMUM	92	92	21
ANNUAL RUNOFF (AC-FT)	510600	505200	396000
10 PERCENT EXCEEDS	1790	1770	1630
50 PERCENT EXCEEDS	482	493	296
90 PERCENT EXCEEDS	136	137	52

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM

LOCATION.--Lat 36°04'26", long 106°06'40", in NE¼ sec. 8, T. 21 N., R. 8 E., Rio Arriba County, Hydrologic Unit 13020102, in San Juan Pueblo Grant, near left downstream corner of bridge on U.S. Highway 265, 0.5 mi west of Chamita, 2.5 mi northwest of San Juan Pueblo, and at mile 2.8.

DRAINAGE AREA.--3,144 mi², of which about 100 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1312. Published as "Chama River near Chamita" prior to 1928, and "Chama River at Chamita" 1929-30.

REVISED RECORDS.--WSP 1512: 1913-15, 1934, 1936. WSP 1632: 1929(M). WSP 1732: 1931(M). WSP 1923: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Jan. 1, 1964. Datum of gage is 5,653.61 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 4, 1933, at railroad bridge 2.3 mi downstream at different datums. Oct. 4, 1933 to Mar. 1, 1942, at site 50 ft downstream at datum 0.22 ft higher. Mar. 2, 1942 to Dec. 31, 1963, at site 200 ft downstream, present datum.

REMARKS.--Records good. Diversions upstream from station for irrigation of about 27,600 acres. Chamita ditch (station 08289500), on left bank, and Hernandez ditch (station 08289800), on right bank, bypass gage for irrigation of several hundred acres downstream from station. Flow regulated by El Vado Reservoir (station 08285000) 74.9 mi upstream since January 1935 and Abiquiu Reservoir (station 08286900), 29.3 mi upstream since February 1963. Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510) 83.0 mi upstream. National Weather Service gage-height telemeter and U.S. Army Corps of Engineers telemeter at station. No flow at times some years.

AVERAGE DISCHARGE.--58 years (water years 1913-70), 541 ft³/s, 392,000 acre-ft/yr, prior to release of transmountain water.

EXTREMES OUTSIDE PERIOD OF RECORD.--The floods of Sept. 29, 1904, and Oct. 4 or 5, 1911, probably exceeded 15,000 ft³/s. Another major flood occurred in 1884, from newspaper accounts.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	924	162	168	335	246	723	614	2500	2400	1740	e220	825
2	945	162	168	194	220	984	608	2630	2480	1720	e200	579
3	929	162	162	177	213	1140	615	2760	2520	1700	199	568
4	836	162	173	183	211	794	629	2330	2450	1680	445	609
5	760	163	171	191	204	828	751	2480	2490	1670	490	630
6	757	164	173	191	196	973	881	2630	2540	1640	474	623
7	757	166	140	236	183	1140	1050	2540	2460	1620	469	660
8	781	170	216	258	196	1150	1410	2460	2340	1620	461	1080
9	805	174	228	267	191	1120	1480	2410	2240	1600	460	460
10	801	177	106	196	188	825	1470	2450	2120	1570	528	395
11	732	192	217	174	202	576	1550	2510	2070	1500	627	332
12	400	259	259	232	209	637	1460	2560	2060	1140	677	533
13	407	291	319	245	214	601	1220	2490	2040	832	679	724
14	453	241	265	242	247	588	1290	2420	2030	513	680	499
15	474	292	239	250	388	543	1530	2660	1990	423	602	500
16	464	426	248	252	696	599	1680	2800	1970	403	611	471
17	482	569	135	249	1050	736	1780	2740	2000	404	612	526
18	256	202	130	271	1070	1250	1580	2480	2310	397	617	563
19	303	164	128	281	872	1390	1340	2520	2040	388	693	513
20	298	163	130	264	396	1470	1180	2590	1990	383	695	506
21	224	156	102	250	373	1450	948	2720	1920	393	687	523
22	181	154	99	245	e337	1590	1110	2910	1890	388	749	617
23	159	158	86	242	168	1400	1530	2700	1870	377	739	660
24	156	156	94	237	195	1380	1530	2490	1850	368	716	662
25	197	155	107	238	201	1310	1640	2490	1840	341	649	667
26	275	165	111	244	210	1250	2130	2460	1760	341	669	655
27	224	165	112	241	701	1210	2240	2380	1720	308	700	606
28	211	151	109	235	857	1210	2240	2360	1710	307	706	574
29	219	168	261	244	---	914	2320	2460	1720	304	683	585
30	180	162	341	251	---	632	2480	2360	1760	301	679	674
31	179	---	358	239	---	622	---	2420	---	305	750	---
TOTAL	14769	6051	5555	7354	10434	31035	42286	78710	62580	26676	18166	17819
MEAN	476	202	179	237	373	1001	1410	2539	2086	861	586	594
MAX	945	569	358	335	1070	1590	2480	2910	2540	1740	750	1080
MIN	156	151	86	174	168	543	608	2330	1710	301	199	332
AC-FT	29290	12000	11020	14590	20700	61560	83870	156100	124100	52910	36030	35340
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)												
MEAN	280	332	351	223	287	500	1205	1592	1106	614	439	388
MAX	1273	1224	1291	876	1677	1705	2534	2741	2346	1477	1020	1164
(WY)	1988	1980	1976	1986	1987	1987	1985	1983	1984	1983	1973	1987
MIN	37.3	60.6	77.3	63.5	66.6	85.1	120	204	117	170	95.5	83.1
(WY)	1979	1990	1975	1975	1978	1977	1977	1972	1976	1972	1979	1974
SUMMARY STATISTICS												
FOR 1994 CALENDAR YEAR				FOR 1995 WATER YEAR				WATER YEARS 1971 - 1995				
ANNUAL TOTAL				297235				321435				
ANNUAL MEAN				814				881				
HIGHEST ANNUAL MEAN								611				
LOWEST ANNUAL MEAN								923				
HIGHEST DAILY MEAN				2680				May 6				
LOWEST DAILY MEAN				86				Dec 23				
ANNUAL SEVEN-DAY MINIMUM				102				Dec 21				
INSTANTANEOUS PEAK FLOW								3260				
INSTANTANEOUS PEAK STAGE								6.74				
ANNUAL RUNOFF (AC-FT)				589600				637600				
10 PERCENT EXCEEDS				2020				2370				
50 PERCENT EXCEEDS				542				601				
90 PERCENT EXCEEDS				165				168				
								a15000				
								b11.68				
								May 22				
								Sep 1 1994				

e Estimated

a-From rating survey extended above 2300 ft³/s.

b-From floodmarks of slope-area measurement of peak flow.

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT OF SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT OF SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 1994											
04...	0900	952	286	7.9	14.0	15.5	622	8.1	99	--	--
NOV											
15...	0815	398	345	8.1	-1.5	4.0	631	10.7	99	180	240
DEC											
06...	1215	168	390	8.0	8.5	6.5	616	9.8	99	--	--
JAN 1995											
25...	1145	235	370	8.3	5.5	3.5	622	11.0	102	--	--
FEB											
17...	0930	1060	307	8.0	8.0	3.0	625	11.1	101	--	--
MAR											
15...	0800	595	364	8.1	3.5	6.0	623	11.0	109	K80	28
APR											
18...	1315	1640	305	8.4	7.5	10.0	615	9.4	104	--	--
MAY											
17...	1230	2780	233	8.0	10.0	9.0	611	8.7	94	93	K6
JUN											
23...	0930	1860	240	7.6	19.5	12.0	621	8.9	102	--	--
JUL											
25...	1010	352	264	7.9	20.0	15.5	622	8.0	98	--	--
27...	1315	307	275	8.1	31.5	20.5	623	7.9	108	--	--
AUG											
23...	0830	737	247	7.8	15.0	14.0	624	8.2	98	320	800

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
OCT 1994											
04...	110	34	34	6.1	13	0.5	1.7	93	0	--	76
NOV											
15...	130	25	38	7.7	21	0.8	2.1	124	0	--	102
DEC											
06...	140	23	41	8.7	25	0.9	2.5	141	0	--	116
JAN 1995											
25...	130	24	39	7.9	22	0.8	2.0	129	0	--	106
FEB											
17...	110	34	35	6.6	15	0.6	1.6	98	0	--	80
MAR											
15...	120	33	35	7.6	22	0.9	2.2	105	0	--	86
APR											
18...	120	38	35	7.2	15	0.6	1.9	96	0	--	78
MAY											
17...	88	26	26	5.5	11	0.5	1.7	75	0	--	61
JUN											
23...	94	25	28	5.9	10	0.4	1.5	84	0	--	69
JUL											
25...	--	--	--	--	--	--	--	92	0	75	76
27...	110	28	33	6.4	13	0.5	1.6	98	0	--	80
AUG											
23...	92	21	28	5.3	10	0.5	1.4	87	0	--	72

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALKA- LINITY LAB (MG/L CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)
OCT 1994											
04...	79	56	2.3	0.10	14	189	173	<0.010	0.090	0.020	--
NOV											
15...	104	62	7.0	0.20	15	225	214	<0.010	<0.050	<0.015	--
DEC											
06...	119	65	9.3	0.30	16	252	237	<0.010	<0.050	<0.015	--
JAN 1995											
25...	112	64	7.8	0.30	16	240	222	<0.010	<0.050	<0.015	--
FEB											
17...	86	62	3.7	0.20	13	199	185	<0.010	<0.050	0.020	--
MAR											
15...	91	65	6.1	0.20	16	229	206	<0.010	<0.050	<0.015	--
APR											
18...	82	67	3.1	0.20	14	207	191	<0.010	<0.050	<0.015	--
MAY											
17...	68	41	2.4	0.10	13	152	138	<0.010	<0.050	<0.015	--
JUN											
23...	74	41	2.2	0.10	13	156	143	<0.010	<0.050	0.030	0.17
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	84	46	2.6	0.10	13	174	164	<0.010	<0.050	0.030	0.27
AUG											
23...	78	42	2.0	0.10	13	155	145	<0.010	0.100	<0.015	--

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)
OCT 1994											
04...	0.30	<0.20	0.110	0.040	0.020	--	--	--	--	--	--
NOV											
15...	0.30	<0.20	0.090	0.010	<0.010	--	--	--	--	--	--
DEC											
06...	<0.20	<0.20	0.020	<0.010	<0.010	--	--	--	--	--	--
JAN 1995											
25...	0.40	<0.20	0.030	<0.010	<0.010	--	--	--	--	--	--
FEB											
17...	<0.20	<0.20	0.010	<0.010	<0.010	--	--	--	--	--	--
MAR											
15...	0.30	0.20	0.060	0.020	0.020	--	--	--	--	--	--
APR											
18...	0.20	<0.20	0.070	0.020	<0.010	--	--	--	--	--	--
MAY											
17...	0.50	0.20	0.140	0.010	0.010	7.4	--	2900	--	<1	--
JUN											
23...	0.30	0.20	0.050	0.030	0.010	--	--	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	0.20	0.30	0.040	0.030	0.030	--	--	--	--	--	--
AUG											
23...	0.40	<0.20	0.170	0.020	0.020	--	4.6	--	20	--	<1

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT 1994											
04...	--	--	--	--	--	--	--	--	--	--	--
NOV											
15...	2	2	--	--	--	--	--	--	<1	<1.0	2
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	3	2	--	--	--	--	--	30	<1	<1.0	4
MAR											
15...	--	--	--	--	--	--	--	--	--	--	--
APR											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	2	1	100	--	<10	--	20	10	<1	<1.0	3
JUN											
23...	--	--	--	--	--	--	--	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	1	1	--	56	--	<1	--	<10	<1	<1.0	2

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)
OCT 1994											
04...	--	--	--	--	--	--	20	--	--	--	--
NOV											
15...	<1	--	--	3	<1	--	51	3	<1	--	--
DEC											
06...	--	--	--	--	--	--	21	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	16	--	--	--	--
FEB											
17...	<1	--	--	5	<1	--	22	7	<1	--	--
MAR											
15...	--	--	--	--	--	--	91	--	--	--	--
APR											
18...	--	--	--	--	--	--	50	--	--	--	--
MAY											
17...	<1	2	--	3	<1	2300	67	3	<1	20	--
JUN											
23...	--	--	--	--	--	--	56	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	31	--	--	--	--
AUG											
23...	<1	--	<1	2	1	--	21	3	<1	--	11

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)
OCT 1994											
04...	--	3	--	--	--	--	--	--	--	--	--
NOV											
15...	--	10	<0.10	<0.1	--	--	--	--	<1	<1	--
DEC											
06...	--	8	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	8	--	--	--	--	--	--	--	--	--
FEB											
17...	--	16	<0.10	<0.1	--	--	--	--	<1	<1	--
MAR											
15...	--	5	--	--	--	--	--	--	--	--	--
APR											
18...	--	8	--	--	--	--	--	--	--	--	--
MAY											
17...	100	5	<0.10	<0.1	<1	--	4	--	<1	<1	<1
JUN											
23...	--	3	--	--	--	--	--	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	--	9	--	--	--	--	--	--	--	--	--
AUG											
23...	--	2	<0.10	<0.1	--	<1	--	1	<1	<1	--

DATE	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994										
04...	--	--	--	--	--	--	--	1320	3390	8
NOV										
15...	--	--	--	--	<10	<10	--	781	839	16
DEC										
06...	--	--	--	--	--	--	--	385	175	5
JAN 1995										
25...	--	--	--	--	--	--	--	5770	3660	0
FEB										
17...	--	--	--	--	10	<10	--	2210	6310	13
MAR										
15...	--	--	--	--	--	--	--	670	1080	8
APR										
18...	--	--	--	--	--	--	--	1080	4770	7
MAY										
17...	--	230	--	--	10	<10	--	568	4260	24
JUN										
23...	--	--	--	--	--	--	--	73	367	26
JUL										
25...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	23	19	89
AUG										
23...	<1.0	--	240	<6	10	<10	<1.0	252	501	82

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	CHLOR- PYRIFOS TOTAL (UG/L) (38932)	DI- SYSTON TOTAL (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)
OCT 1994											
04...	0900	--	--	--	--	--	--	--	--	--	--
NOV											
15...	0815	<0.01	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.1	<0.010
DEC											
06...	1215	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	1145	--	--	--	--	--	--	--	--	--	--
FEB											
17...	0930	--	--	--	--	--	--	--	--	--	--
MAR											
15...	0800	--	--	--	--	--	--	--	--	--	--
APR											
18...	1315	--	--	--	--	--	--	--	--	--	--
MAY											
17...	1230	--	--	--	--	--	--	--	--	--	--
JUN											
23...	0930	--	--	--	--	--	--	--	--	--	--
JUL											
25...	1010	--	--	--	--	--	--	--	--	--	--
27...	1315	--	--	--	--	--	--	--	--	--	--
AUG											
23...	0830	<0.01	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.1	<0.010

DATE	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)
OCT 1994											
04...	--	--	--	--	--	--	--	--	--	--	--
NOV											
15...	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<1	<0.010	<0.010	<0.01	<0.1
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
15...	--	--	--	--	--	--	--	--	--	--	--
APR											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
23...	--	--	--	--	--	--	--	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<1	<0.010	<0.010	<0.01	<0.1

RIO GRANDE BASIN

08290000 RIO CHAMA NEAR CHAMITA, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEK, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT REC (UG/L) (82614)
OCT 1994											
04...	--	--	--	--	--	--	--	--	--	--	--
NOV											
15...	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	<0.01
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
25...	--	--	--	--	--	--	--	--	--	--	--
FEB											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
15...	--	--	--	--	<0.01	<0.01	--	<0.01	--	<0.01	--
APR											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUN											
23...	--	--	--	--	--	--	--	--	--	--	--
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
AUG											
23...	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV 1994							
15...	0832	6.00	1.00	343	8.0	4.0	10.8
15...	0834	18.0	1.00	345	8.0	4.0	10.8
15...	0836	30.0	1.00	343	8.1	4.0	10.8
15...	0838	43.0	1.50	345	8.2	4.0	10.8
15...	0840	55.0	1.50	345	8.3	4.0	10.8
15...	0842	67.0	1.50	344	8.4	4.0	10.8
15...	0844	79.0	1.00	345	8.4	4.0	10.8
15...	0846	92.0	1.50	345	8.4	4.0	10.8
15...	0848	104	1.50	345	8.4	4.0	10.8
15...	0850	116	1.00	345	8.4	4.0	10.7
MAY 1995							
17...	1300	15.0	3.20	233	7.7	9.5	9.3
17...	1302	34.0	3.60	231	8.1	9.5	9.3
17...	1304	53.0	4.60	232	8.1	9.0	9.3
17...	1306	72.0	3.60	233	8.1	9.5	9.3
17...	1309	91.0	3.00	235	8.2	9.5	9.3
17...	1312	110	2.90	235	8.1	9.5	9.3
17...	1315	129	3.30	237	8.2	9.5	9.4
17...	1318	148	2.50	237	8.2	9.5	9.3
17...	1323	167	2.20	237	8.1	9.5	9.2
17...	1326	186	3.20	237	8.2	9.5	9.3

RIO GRANDE BASIN

08294200 NAMBE FALLS RESERVOIR NEAR NAMBE, NM

LOCATION.--Lat 35°50'46", long 105°54'17", in NE¼SW¼, sec.29, T.19 N., R.10 E., Santa Fe County, Hydrologic Unit 13620101, on Nambé Indian Reservation, 300 ft upstream from Nambé Falls, 2.3 mi upstream from Rio En Medio, 4.4 mi southeast of Nambé Pueblo, and 5.4 mi southeast of Nambé.

DRAINAGE AREA.--34.1 mi².

PERIOD OF RECORD.--February 1976 to current year.

REVISED RECORDS.--WDR NM-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to July 22, 1976, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by a concrete arch and earthfill dam, storage began Feb. 23, 1976. Total capacity, 2,020 acre-ft at elevation 6,826.6 ft, crest of ogee weir spillway, including 237 acre-ft of storage in a permanent pool between elevation 6,760.9 ft, invert of outlet conduits, and 6,780.0 ft. Dead storage 121 acre-ft below elevation 6,760.9 ft. Outlet conduits are one 6-in and two 12-in diameter pipes. Reservoir is used for storage of irrigation water and for recreation. Figures given herein represent total storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 2,060 acre-ft June 9, 1979, elevation, 6,827.24 ft; no storage prior to Feb. 23, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,040 acre-ft, elevation 6,826.90 many days; minimum, 1120 acre-ft, Sept. 7, 8, elevation 6,808.30 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on survey by Bureau of Reclamation in 1976)

6,801	870	6,820	1,660
6,810	1,201	6,825	1,930
6,815	1,420	6,830	2,230

RESERVOIR STORAGE (ACRE-Feet), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	1360	1600	1780	1920	1730	1620	1670	2040	2030	1810	1280
2	1490	1360	1600	1780	1930	1700	1620	1680	2040	2030	1770	1270
3	1490	1360	1610	1780	1930	1680	1620	1700	2040	2030	1730	1240
4	1490	1370	1620	1790	1940	1650	1620	1710	2040	2030	1700	1210
5	1490	1370	1630	1800	1940	1630	1620	1740	2040	2030	1660	1180
6	1490	1370	1640	1800	1940	1600	1620	1760	2040	2030	1620	1140
7	1490	1370	1640	1810	1940	1580	1620	1780	2040	2030	1580	1120
8	1480	1370	1650	1820	1940	1550	1620	1790	2040	2030	1540	1120
9	1470	1370	1660	1820	1950	1530	1630	1810	2040	2030	1500	1130
10	1460	1370	1660	1830	1950	1500	1640	1820	2040	2030	1460	1150
11	1440	1370	1670	1830	1950	1480	1640	1840	2040	2020	1440	1160
12	1430	1390	1670	1840	1950	1460	1650	1870	2040	2020	1380	1170
13	1420	1440	1670	1840	1950	1450	1660	1890	2040	2020	1340	1190
14	1420	1480	1680	1850	1950	1450	1660	1920	2040	2020	1310	1200
15	1410	1480	1680	1850	1950	1450	1670	1960	2040	2020	1290	1200
16	1410	1500	1690	1860	1950	1460	1680	2010	2040	2020	1280	1200
17	1410	1500	1690	1860	1950	1460	1680	2030	2040	2020	1290	1210
18	1400	1510	1700	1860	1950	1470	1680	2030	2040	2020	1280	1210
19	1400	1510	1710	1870	1940	1480	1680	2030	2040	2020	1280	1210
20	1390	1520	1720	1880	1930	1490	1670	2030	2040	2020	1280	1210
21	1370	1530	1720	1880	1920	1510	1670	2030	2040	2020	1270	1210
22	1370	1540	1720	1890	1900	1530	1670	2030	2040	2020	1270	1210
23	1360	1540	1730	1890	1870	1550	1660	2040	2040	2020	1280	1210
24	1360	1550	1730	1900	1850	1560	1650	2030	2040	2020	1280	1210
25	1360	1560	1730	1900	1820	1580	1650	2040	2030	2020	1290	1210
26	1360	1570	1740	1900	1800	1590	1640	2030	2030	2020	1310	1210
27	1360	1570	1750	1910	1770	1590	1640	2030	2030	2020	1310	1210
28	1360	1580	1750	1910	1750	1600	1640	2040	2030	1980	1320	1220
29	1360	1580	1760	1910	---	1600	1650	2040	2030	1940	1310	1230
30	1360	1590	1760	1920	---	1610	1660	2030	2030	1890	1300	1230
31	1360	---	1770	1920	---	1610	---	2040	---	1850	1290	---
MAX	1490	1590	1770	1920	1950	1730	1680	2040	2040	2030	1810	1280
MIN	1360	1360	1600	1780	1750	1450	1620	1670	2030	1850	1270	1120
(†)	6813.74	6818.50	6822.02	6824.84	6821.73	6819.02	6819.89	6826.82	6826.75	6823.64	6812.10	6810.78
(††)	-120	+230	+180	+150	-170	-140	+50	+380	-10	-180	-560	-60

CAL YR 1994 MAX 2040 MIN 990 (††) -70
WTR YR 1995 MAX 2040 MIN 1120 (††) -250

e Estimated

(†) ELEVATION, IN FEET, AT END OF MONTH

(††) CHANGE IN CONTENTS, IN ACRE-Feet

RIO GRANDE BASIN

08294210 RIO NAMBE BELOW NAMBE FALLS DAM, NEAR NAMBE, NM

LOCATION.--Lat 35°50'46", Long 105°54'17", in NE¼SW¼ sec.29, T.19 N., R.10 E., Santa Fe County, Hydrologic Unit 13020101, on Nambé Indian Reservation, in outlet conduits of Nambé Falls Dam, 300 ft upstream from Nambé Falls, 2.6 mi upstream from Rio En Medio, 4.4 mi southeast of Nambé Pueblo and 5.4 mi southeast of Nambé.

DRAINAGE AREA.--34.1 mi².

PERIOD OF RECORD.--January 1979 to current year.

GAGE.--Totalizing flowmeters in each of three outlet conduits in Nambé Falls Dam.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Nambé Falls Reservoir (station 08294200). Outlet conduits are one 6-in. and two 12-in. diameter pipes. During periods of spill at Nambé Falls Dam, record computed at site 1,100 ft downstream, site of discontinued station 08294300, Rio Nambé at Nambé Falls.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	4.0	1.9	1.8	e2.5	19	8.7	13	37	41	32	14
2	3.6	4.0	1.8	1.8	e2.5	19	8.7	13	39	40	30	14
3	3.7	4.0	1.8	1.9	e2.5	18	8.7	13	40	39	28	20
4	3.6	4.2	1.8	1.8	e2.5	18	8.7	12	40	37	28	23
5	e3.8	4.0	1.6	1.9	e2.5	17	8.7	12	43	36	27	23
6	e4.0	4.0	1.9	1.9	e3.0	17	8.5	13	47	34	27	23
7	4.2	4.0	1.3	1.9	e3.5	17	8.5	13	49	33	28	23
8	5.8	4.0	1.3	1.9	e4.0	18	8.4	13	49	32	28	15
9	6.1	4.0	1.6	2.0	e4.1	18	8.4	14	49	29	28	3.8
10	6.1	4.0	1.6	1.9	e4.1	18	8.4	14	48	28	28	3.7
11	6.1	4.3	1.6	1.9	e4.4	18	8.3	14	48	27	28	3.8
12	5.8	4.2	1.8	2.0	e4.7	18	8.4	14	49	25	28	3.7
13	5.8	4.3	2.1	1.8	e5.1	14	8.5	15	53	24	28	3.7
14	5.8	4.3	2.1	1.7	e5.4	9.4	8.4	15	55	24	26	3.7
15	5.8	4.3	2.1	1.9	e5.8	8.6	7.9	15	58	23	20	4.7
16	6.1	4.3	2.1	1.8	e5.8	8.6	8.1	15	62	23	15	6.4
17	6.1	4.3	2.2	1.7	e6.2	8.6	10	21	69	23	11	6.4
18	6.1	4.2	2.2	1.9	e6.8	9.0	11	30	75	24	10	6.4
19	6.1	4.3	2.4	1.8	e7.5	9.0	12	30	75	24	11	6.4
20	6.1	4.2	2.5	1.9	e8.1	8.6	11	30	70	20	14	6.4
21	6.1	2.8	2.5	1.9	11	8.6	12	31	66	18	17	6.3
22	6.7	1.8	2.5	1.9	11	8.6	12	31	62	17	16	6.1
23	6.7	1.5	2.2	2.2	11	8.7	12	36	54	15	6.6	6.1
24	4.9	1.5	2.5	2.6	17	9.0	12	35	52	14	7.1	6.1
25	3.8	1.8	2.5	2.6	18	8.6	12	36	49	14	7.5	6.1
26	4.0	1.8	2.4	2.5	19	8.4	12	37	48	15	6.0	6.1
27	4.0	1.8	1.9	2.4	18	8.5	13	36	46	17	8.2	6.1
28	4.0	1.9	1.8	e2.5	19	8.5	13	35	44	23	7.9	6.1
29	4.0	2.0	1.9	e2.5	---	8.5	13	37	45	27	11	5.8
30	4.0	1.8	2.1	e2.5	---	8.5	13	36	43	31	14	5.8
31	4.0	---	1.8	e2.5	---	8.5	---	36	---	31	14	---
TOTAL	156.5	101.6	61.8	63.3	215.0	385.2	303.3	715	1564	808	590.3	274.7
MEAN	5.05	3.39	1.99	2.04	7.68	12.4	10.1	23.1	52.1	26.1	19.0	9.16
MAX	6.7	4.3	2.5	2.6	19	19	13	37	75	41	32	23
MIN	3.6	1.5	1.3	1.7	2.5	8.4	7.9	12	37	14	6.0	3.7
AC-FT	310	202	123	126	426	764	602	1420	3100	1600	1170	545

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1995, BY WATER YEAR (WY)

	7.59	4.82	2.76	2.40	3.21	6.26	17.4	42.5	53.1	24.4	17.1	11.9
MEAN	7.59	4.82	2.76	2.40	3.21	6.26	17.4	42.5	53.1	24.4	17.1	11.9
MAX	19.5	11.9	8.70	5.29	7.68	17.4	42.3	85.4	125	48.4	51.9	45.4
(WY)	1989	1987	1987	1992	1995	1985	1985	1985	1979	1983	1983	1988
MIN	2.83	1.30	.45	.45	.45	.49	1.60	9.89	12.2	5.48	2.86	1.47
(WY)	1991	1980	1980	1980	1980	1979	1981	1981	1981	1982	1989	1994

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1979 - 1995

ANNUAL TOTAL	6006.50	5238.7	
ANNUAL MEAN	16.5	14.4	15.6
HIGHEST ANNUAL MEAN			25.7
LOWEST ANNUAL MEAN			5.42
HIGHEST DAILY MEAN	109	Jun 4	75
LOWEST DAILY MEAN	.50	Jan 11	1.3
ANNUAL SEVEN-DAY MINIMUM	.50	Jan 11	1.6
INSTANTANEOUS PEAK FLOW			82
INSTANTANEOUS PEAK STAGE			1.49
INSTANTANEOUS LOW FLOW			1.3
ANNUAL RUNOFF (AC-FT)	11910	10390	11310
10 PERCENT EXCEEDS	51	36	45
50 PERCENT EXCEEDS	4.2	8.5	8.2
90 PERCENT EXCEEDS	.50	1.9	.50

e Estimated

a-At site 1,100 ft downstream (maximum release and spill computed at Nambé Falls Dam, 250 ft³/s, June 9, 1979).

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM

(National stream-quality accounting network, surveillance network, and radiochemical network station)

LOCATION.--Lat 35°52'29", Long 106°08'30", in SW¼SW¼ sec.18, T.19 N., R.8 E., Santa Fe County, Hydrologic Unit 13020101, on San Ildefonso Pueblo Grant, near right bank on downstream end of pier of former railway bridge, 400 ft downstream from bridge on State Highway 502, 1.8 mi southwest of San Ildefonso Pueblo, 2.5 mi downstream from Pojoaque River, 6.8 mi west of Pojoaque, and at mile 1,614.2.

DRAINAGE AREA.--14,300 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1895 to December 1905, June 1909 to current year. Monthly discharge only for some periods, published in WSP 1312. In early reports this record was published as "at Water Tank," as "at Rio Grande," and as "near Buckman."

REVISED RECORDS.--WSP 828: Drainage area. WSP 1512: 1895-99, 1904-6, 1911-12, 1914, 1931(M), 1935. WSP 1712: 1904(M). WDR-NM-90: 1989.

GAGE.--Water-stage recorder. Datum of gage is 5,488.48 ft above National Geodetic Vertical Datum of 1929. See WSP 1312, 1732, or 1923 for history of changes prior to June 1, 1910.

REMARKS.--Water-discharge records good. Considerable regulation by Heron Reservoir (station 08284510), El Vado Reservoir (station 08285000) and Abiquiu Reservoir (station 08286900) on Rio Chama, which can contribute a major portion of the total flow. Flow affected by release of transmountain water from Heron Reservoir since May 1971. Diversions upstream from station for irrigation of about 620,000 acres in Colorado and 75,000 acres in New Mexico. Gage-height telemeter and U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--71 years (water years 1895-1914, 1916, 1920-70), 1,530 ft³/s, 1,108,000 acre-ft/yr. Prior to release of transmountain water.

EXTREMES OUTSIDE PERIOD OF RECORD.--The 1920 flood is greatest since at least 1884 and probably since 1741; information from W. H. Yeo's file on floods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1080	548	760	1180	973	1810	1360	3480	5450	6920	829	1300
2	1120	509	769	941	1030	1900	1300	3690	5390	7290	705	1050
3	1140	505	837	849	1050	2160	1300	4140	5510	7620	702	948
4	1060	582	867	872	998	1850	1250	3720	5580	7910	873	933
5	974	603	908	919	990	1860	1360	3950	5730	8380	916	906
6	983	629	1010	949	1030	2020	1510	4170	6090	8650	870	906
7	1020	662	1110	925	1050	2420	1680	4130	6330	8320	830	937
8	1120	681	1050	990	996	2350	1950	3970	6410	7870	814	1260
9	1150	674	1100	962	1030	2210	2090	3780	6540	7340	823	1460
10	1130	667	884	975	1050	1900	2210	3670	6210	6860	877	1060
11	1120	677	926	938	1080	1500	2320	3760	5930	6540	987	959
12	725	1040	934	956	1020	1540	2300	3790	6020	6000	1090	1050
13	648	1220	1050	1020	1020	1460	2080	3830	5860	5400	1130	1040
14	709	935	1060	1010	1140	1330	2150	3750	5950	4820	1160	1100
15	900	882	1000	990	1250	1330	2420	4040	6290	4320	1040	1120
16	953	970	1010	1030	1660	1380	2670	4360	6440	3800	989	1030
17	1170	1210	936	1040	1970	1600	2970	4790	6530	3460	1040	1010
18	811	784	917	966	1950	2050	2830	5140	7380	3150	997	1020
19	774	610	921	835	1830	2140	2490	5440	7470	3050	1060	952
20	795	606	900	894	1190	2300	2400	5600	7690	3000	1100	920
21	710	670	841	960	1100	2280	2170	5480	7910	2910	1040	885
22	664	667	848	1020	1100	2470	2280	5870	7890	2800	1080	987
23	609	757	856	1000	1040	2510	2650	5870	7540	2510	1180	1060
24	583	728	893	965	1080	2540	2620	5950	7060	2210	1150	1080
25	595	728	918	922	1130	2450	2670	5950	6720	1930	984	1090
26	708	719	915	981	1210	2230	3050	5770	6520	1780	1060	1090
27	689	756	897	1050	1720	2150	3120	5410	6440	1520	1150	1030
28	653	706	906	1020	2110	2110	3180	5130	6430	1330	1190	981
29	646	696	986	1040	---	1800	3260	5370	6480	1170	1230	1050
30	609	700	1120	1000	---	1360	3400	5610	6730	1100	1210	1170
31	599	---	1160	1010	---	1290	---	5520	---	1030	1160	---
TOTAL	26447	22121	29289	30209	34797	60300	69040	145130	194520	140990	31266	31384
MEAN	853	737	945	974	1243	1945	2301	4682	6484	4548	1009	1046
MAX	1170	1220	1160	1180	2110	2540	3400	5950	7910	8650	1230	1460
MIN	583	505	760	835	973	1290	1250	3480	5390	1030	702	885
AC-FT	52460	43880	58090	59920	69020	119600	136900	287900	385800	279700	62020	62250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	768	1006	968	811	943	1432	2461	3878	3473	1653	947	848													
MAX	1554	2034	1959	1757	2641	3127	6412	8390	7914	4548	1612	1547													
(WY)	1988	1987	1976	1986	1987	1987	1985	1985	1979	1995	1973	1982													
MIN	361	401	450	436	499	612	489	433	470	394	391	263													
(WY)	1975	1978	1975	1977	1978	1977	1977	1972	1972	1972	1972	1974													

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1971 - 1995
ANNUAL TOTAL	670030	815493	
ANNUAL MEAN	1836	2234	1600
HIGHEST ANNUAL MEAN			2764
LOWEST ANNUAL MEAN			602
HIGHEST DAILY MEAN	8560	May 20	12000
LOWEST DAILY MEAN	263	Aug 18	195
ANNUAL SEVEN-DAY MINIMUM	565	Oct 30	229
INSTANTANEOUS PEAK FLOW			24400
INSTANTANEOUS PEAK STAGE		8.44	at 14.50
INSTANTANEOUS LOW FLOW			195
ANNUAL RUNOFF (AC-FT)	1329000	1618000	1159000
10 PERCENT EXCEEDS	4600	5950	3800
50 PERCENT EXCEEDS	941	1130	984
90 PERCENT EXCEEDS	710	728	477

a-Present site and datum.

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1946 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1947 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,310 microsiemens, Aug. 5, 1963; minimum daily, 88 microsiemens, May 12, 1984.

SEDIMENT CONCENTRATION: Maximum daily mean, 43,500 mg/L, Aug. 21, 1955; minimum daily mean, 11 mg/L, July 27, 1963 and Feb. 7, 1974.

SEDIMENT LOAD: Maximum daily, 366,000 tons, Aug. 23, 1961; minimum daily, 3 tons, July 27, 1963.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 420 microsiemens, Aug. 3; minimum daily, 201 microsiemens, May 23.

SEDIMENT CONCENTRATION: Maximum daily mean, 16,500 mg/L, July 6; minimum daily mean, 49 mg/L, Aug. 8.

SEDIMENT LOAD: Maximum daily, 386,000 tons, July 6; minimum daily, 108 tons, Aug. 8.

REMARKS.--Once daily specific conductance values were determined in the laboratory from daily suspended sediment samples collected by the field observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT OF SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT OF SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 1994												
06...	0815	975	317	8.0	7.0	13.5	--	619	8.0	94	--	--
NOV												
14...	1100	951	358	8.0	8.0	7.0	42	630	10.1	101	110	320
DEC												
06...	0815	1050	329	8.0	6.5	5.0	--	618	9.8	95	--	--
JAN 1995												
24...	0900	965	320	8.1	6.5	2.0	--	627	10.1	89	--	--
FEB												
15...	1015	2100	301	8.1	8.0	7.0	9.4	619	9.4	96	23	K18
MAR												
16...	0830	1380	329	8.2	7.0	9.0	--	625	9.0	96	--	--
APR												
18...	0815	2840	279	8.1	7.5	8.0	--	620	9.2	96	--	--
MAY												
16...	1100	4840	236	8.0	25.0	14.0	67	616	8.2	99	300	K6
JUN												
21...	1045	7960	204	7.8	20.5	17.0	--	622	7.3	93	--	--
JUL												
26...	1100	1760	377	7.8	32.0	19.0	--	627	7.3	96	--	--
AUG												
22...	0915	1050	319	8.0	20.5	20.0	19	629	7.5	101	100	280

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 1994												
06...	120	25	37	6.7	17	0.7	1.8	116	0	95	99	55
NOV												
14...	140	12	42	7.7	20	0.7	1.8	152	0	124	128	48
DEC												
06...	120	10	38	7.0	20	0.8	2.9	139	0	114	117	41
JAN 1995												
24...	110	7	35	6.3	19	0.8	2.4	130	0	106	110	40
FEB												
15...	110	12	34	6.2	19	0.8	2.5	121	0	99	104	37
MAR												
16...	120	14	36	7.0	21	0.8	2.7	128	0	105	108	47
APR												
18...	110	26	32	6.3	14	0.6	2.0	97	0	80	91	51
MAY												
16...	89	20	27	5.2	11	0.5	1.8	84	0	69	79	34
JUN												
21...	75	12	23	4.2	9.9	0.5	2.3	76	0	62	73	28
JUL												
26...	120	16	36	7.1	25	1	3.4	126	0	104	105	62
AUG												
22...	110	16	34	6.7	17	0.7	2.3	118	0	97	102	50

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 1994												
06...	4.0	0.30	16	207	195	<0.010	0.050	<0.015	--	0.20	<0.20	0.020
NOV												
14...	7.7	0.50	18	235	221	<0.010	0.110	<0.015	--	0.40	--	0.110
DEC												
06...	7.3	0.40	23	217	209	<0.010	0.170	<0.015	--	0.30	<0.20	0.100
JAN 1995												
24...	7.1	0.50	23	212	198	<0.010	0.170	<0.015	--	<0.20	<0.20	0.030
FEB												
15...	7.0	0.40	22	196	189	<0.010	0.160	0.020	--	0.30	<0.20	0.090
MAR												
16...	6.9	0.40	20	222	204	<0.010	0.100	<0.015	--	0.40	<0.20	0.100
APR												
18...	3.9	0.20	16	191	173	<0.010	<0.050	<0.015	--	0.30	<0.20	0.090
MAY												
16...	3.3	0.20	14	158	138	<0.010	<0.050	<0.015	--	0.90	0.30	0.280
JUN												
21...	2.7	0.20	16	143	124	<0.010	0.060	<0.015	--	0.40	0.30	0.170
JUL												
26...	6.9	0.30	17	231	220	<0.010	<0.050	0.020	0.28	0.40	0.30	0.040
AUG												
22...	4.5	0.40	16	200	190	<0.010	<0.050	<0.015	--	0.30	<0.20	0.060

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CYANIDE TOTAL (MG/L AS CN) (00720)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)
OCT 1994												
06...	<0.010	0.010	--	--	--	--	--	--	--	--	--	--
NOV												
14...	0.020	<0.010	--	--	<0.010	--	70	--	--	--	--	--
DEC												
06...	<0.010	0.010	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	<0.010	<0.010	--	--	--	--	--	--	--	--	--	--
FEB												
15...	0.010	0.020	--	--	<0.010	--	30	--	--	--	--	--
MAR												
16...	0.020	0.020	--	--	--	--	--	--	--	--	--	--
APR												
18...	0.010	0.020	--	--	--	--	--	--	--	--	--	--
MAY												
16...	0.020	0.020	8.1	--	<0.010	4900	20	<1	--	3	--	200
JUN												
21...	0.050	0.040	--	--	--	--	--	--	--	--	--	--
JUL												
26...	0.010	0.030	--	--	--	--	--	--	--	--	--	--
AUG												
22...	0.010	0.010	--	5.3	<0.010	--	30	--	<1	--	2	--

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
14...	71	--	--	--	--	--	--	--	--	--	<3	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
15...	48	--	--	--	30	--	--	--	--	--	<3	--
MAR												
16...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
16...	44	<10	--	40	20	<1	--	5	--	3	<3	6
JUN												
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
22...	53	--	<1	--	170	--	<1.0	--	<1	--	<1	--

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)
OCT 1994												
06...	--	--	14	--	--	--	--	--	3	--	--	--
NOV												
14...	--	--	51	--	--	--	18	--	8	--	--	--
DEC												
06...	--	--	42	--	--	--	--	--	15	--	--	--
JAN 1995												
24...	--	--	19	--	--	--	--	--	9	--	--	--
FEB												
15...	--	--	28	--	--	--	14	--	12	--	--	--
MAR												
16...	--	--	42	--	--	--	--	--	3	--	--	--
APR												
18...	--	--	67	--	--	--	--	--	9	--	--	--
MAY												
16...	--	4700	19	6	--	20	11	250	7	<0.10	--	<1
JUN												
21...	--	--	140	--	--	--	--	--	12	--	--	--
JUL												
26...	--	--	28	--	--	--	--	--	5	--	--	--
AUG												
22...	2	--	19	--	<1	--	10	--	6	--	<0.1	--

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
NOV											
14...	<10	--	1	--	<1	--	<1.0	--	320	<6	--
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
24...	--	--	--	--	--	--	--	--	--	--	--
FEB											
15...	4	--	<1	--	<1	--	<1.0	--	260	<6	--
MAR											
16...	--	--	--	--	--	--	--	--	--	--	--
APR											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	<10	7	<1	<1	<1	<1	<1.0	250	210	<6	40
JUN											
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
26...	--	--	--	--	--	--	--	--	--	--	--
AUG											
22...	4	--	2	--	<1	--	<1.0	--	260	<6	--

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
NOV											
14...	--	<2.0	4.5	190	380	3	<1	7	<5	7	7500
DEC											
06...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
24...	--	--	--	--	--	--	--	--	--	--	--
FEB											
15...	--	--	--	--	--	--	--	--	--	--	--
MAR											
16...	--	--	--	--	--	--	--	--	--	--	--
APR											
18...	--	--	--	--	--	--	--	--	--	--	--
MAY											
16...	--	--	--	--	--	--	--	--	--	--	--
JUN											
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
26...	--	--	--	--	--	--	--	--	--	--	--
AUG											
22...	1	--	--	--	--	--	--	--	--	--	--

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
06...	--	--	--	--	--	--	--	--	332	874	35
NOV											
14...	<10	260	<0.01	20	0.09	0.020	3.9	<1.0	623	1600	25
DEC											
06...	--	--	--	--	--	--	--	--	458	1300	20
JAN 1995											
24...	--	--	--	--	--	--	--	--	388	1010	4
FEB											
15...	--	--	--	--	--	--	--	--	342	1940	25
MAR											
16...	--	--	--	--	--	--	--	--	548	2040	--
APR											
18...	--	--	--	--	--	--	--	--	1170	8960	11
MAY											
16...	--	--	--	--	<0.02	<0.00	0.98	0.0	969	12700	28
JUN											
21...	--	--	--	--	--	--	--	--	370	7950	45
JUL											
26...	--	--	--	--	--	--	--	--	74	352	26
AUG											
22...	--	--	--	--	--	--	2.0	--	40	113	86

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
OCT 1994												
06...	0815	--	--	--	--	--	--	--	--	--	--	--
NOV												
14...	1100	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	0815	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	0900	--	--	--	--	--	--	--	--	--	--	--
FEB												
15...	1015	--	--	--	--	--	--	--	--	--	--	--
MAR												
16...	0830	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	0815	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
MAY												
16...	1100	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUN												
21...	1045	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUL												
26...	1100	<0.007	<0.002	E0.003	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
AUG												
22...	0915	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
16...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
MAY												
16...	<0.001	<0.002	<0.005	<0.004	0.008	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUN												
21...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUL												
26...	<0.001	<0.002	0.007	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
AUG												
22...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PFB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
16...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	0.010	<0.004	<0.003	<0.002	<0.003	<0.013
MAY												
16...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUN												
21...	<0.002	<0.007	<0.002	<0.006	0.004	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUL												
26...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
AUG												
22...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
14...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
16...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
MAY												
16...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUN												
21...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUL												
26...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
AUG												
22...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (000009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV 1994								
14...	1133	9.00	2.00	360	8.0	6.0	10.5	253
14...	1135	27.0	2.00	359	8.0	6.0	10.7	921
14...	1137	45.0	2.00	359	8.0	6.0	10.7	812
14...	1139	63.0	2.00	358	8.1	6.0	10.7	717
14...	1141	81.0	3.00	359	8.1	6.0	10.7	856
14...	1143	99.0	2.50	357	8.2	6.0	10.7	833
14...	1145	117	2.00	358	8.2	6.0	10.7	595
14...	1147	135	1.50	358	8.2	6.0	10.7	727
14...	1149	153	1.00	356	8.2	6.0	10.7	463
14...	1151	171	2.00	357	8.2	6.0	10.6	397
MAY 1995								
16...	1156	135	3.20	238	8.0	14.0	8.4	--
16...	1201	125	13.5	233	8.0	14.0	8.7	--
16...	1206	115	13.0	233	8.0	14.0	8.6	--
16...	1209	105	11.8	234	8.0	14.0	8.8	--
16...	1213	95.0	11.2	234	8.0	13.5	8.7	--
16...	1217	85.0	9.20	234	8.1	13.5	8.7	--
16...	1221	75.0	7.60	235	8.1	14.0	8.6	--
16...	1225	65.0	7.20	233	8.1	14.0	8.5	--
16...	1229	55.0	5.20	233	8.0	13.5	8.4	--
16...	1232	45.0	4.50	234	8.1	13.5	8.3	--
16...	1236	35.0	4.10	235	8.0	14.0	8.3	--
16...	1240	25.0	3.20	235	8.0	14.0	8.3	--
16...	1243	15.0	2.30	236	8.0	14.0	8.3	--
16...	1247	5.00	0.80	243	8.0	14.0	8.3	--

RIO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	313	381	351	304	332	313	312	283	236	229	411	299
2	312	392	352	302	330	315	311	269	225	238	---	317
3	312	395	341	313	319	316	304	268	223	273	420	318
4	316	389	339	323	318	308	310	244	220	277	404	318
5	321	401	332	324	316	308	316	235	219	272	394	305
6	321	390	332	334	318	308	310	237	212	281	389	307
7	320	394	328	337	314	272	304	245	---	290	377	306
8	326	391	318	329	316	298	299	245	198	289	381	376
9	323	391	305	334	312	312	288	250	198	288	376	415
10	329	385	305	331	312	328	289	258	202	282	367	351
11	332	374	315	330	307	311	299	266	203	270	351	380
12	352	359	---	324	310	315	293	264	213	270	345	326
13	344	362	317	318	313	309	284	268	205	257	349	329
14	340	361	326	312	311	342	287	266	209	251	343	331
15	331	364	324	312	313	339	290	251	214	254	353	336
16	352	354	320	312	313	337	292	240	210	266	348	340
17	348	344	331	311	308	331	295	234	211	278	344	326
18	383	362	335	312	309	336	289	235	233	286	341	308
19	383	377	331	323	323	327	289	238	209	295	342	318
20	373	378	329	---	331	295	287	223	215	309	330	---
21	379	372	326	326	334	296	283	209	219	320	318	---
22	377	---	327	328	338	299	283	212	213	318	312	---
23	386	389	331	320	330	295	304	201	210	232	327	---
24	391	383	328	318	324	284	311	204	216	328	315	---
25	387	366	322	329	318	285	309	209	219	341	330	---
26	367	358	325	328	312	288	303	206	223	---	329	---
27	362	359	324	326	313	289	292	211	223	375	328	---
28	375	543	322	322	320	298	296	217	222	377	315	---
29	374	343	311	317	---	300	292	231	225	380	332	---
30	376	345	305	317	---	297	283	249	234	394	320	---
31	380	---	306	324	---	313	---	237	---	406	323	---
MEAN	357	---	---	---	318	309	297	239	---	---	---	---
MAX	391	---	---	---	338	342	316	283	---	---	---	---
MIN	312	---	---	---	307	272	283	201	---	---	---	---

RTO GRANDE BASIN

08313000 RIO GRANDE AT OTOWI BRIDGE, NEAR SAN ILDEFONSO, NM -- Continued

SUSPENDED-SEDIMENT WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	2480	6780	1940	2940	2190	4650	1960	6220	5310	14200	2710	13400
2	5290	15000	361	516	1840	3920	2060	5230	2200	6120	2720	14100
3	4780	13600	504	717	2070	4760	1330	3040	1530	4390	5800	33800
4	4200	11200	756	1210	1920	4520	1160	2750	1260	3400	5840	29200
5	2840	7000	968	1600	1160	2800	4320	10800	1100	2990	2170	10900
6	1110	2930	1580	2680	3390	9330	1030	2640	2200	6100	8670	50000
7	902	2330	1940	3440	2170	6260	1000	2530	1020	2870	8970	59900
8	1720	4890	606	1100	2010	5550	6460	17400	660	1780	7970	50100
9	4630	13300	559	1010	1480	4280	1520	3960	1100	3060	7920	47300
10	3620	10300	845	1520	752	1790	1750	4650	2700	7710	3290	17900
11	2560	7220	463	845	1510	3690	2180	5520	629	1830	1780	7190
12	2100	4010	4800	14500	8730	21700	3260	8440	955	2640	4610	19300
13	747	1290	14700	46600	14300	38900	3530	9710	2820	7790	5000	19900
14	1370	2570	3310	8520	1740	4730	3770	10300	1650	5070	2070	7410
15	3230	7490	1660	4040	1560	4020	2810	7500	830	2800	1670	5990
16	3490	8550	2800	7620	5540	14700	1850	5120	9210	41700	4630	17400
17	7080	21000	6500	21400	3160	7770	1860	5230	3680	19800	2360	10100
18	8200	17300	4820	11400	3670	8910	1370	3600	6470	34100	2000	11000
19	3710	7480	2400	4470	6030	14700	1010	2290	6640	33300	5980	35000
20	3780	7760	869	1600	3480	8280	2250	5440	11300	35300	4090	25400
21	2780	5200	1820	3720	3450	7830	1400	3640	4380	12900	5180	32100
22	1750	3140	2790	5530	2200	5040	1480	4090	5710	17100	5190	34900
23	941	1550	3870	8450	1590	3690	566	1540	4210	11900	8590	58200
24	935	1480	3650	7680	6530	16000	781	2040	2210	6430	5200	35600
25	618	1000	1690	3550	1890	4640	1890	4710	3310	10100	3450	22900
26	1520	2900	2840	5890	3550	8790	1250	3310	2180	7130	3520	21200
27	2030	3720	1760	3810	3540	8670	1070	3020	2940	14500	3080	17900
28	1770	3110	1150	2310	1960	4830	804	2210	8370	47700	1420	8090
29	829	1440	1900	3830	2440	6540	779	2190	---	---	787	3880
30	720	1190	2420	4900	2260	6760	4330	11800	---	---	1630	5840
31	737	1200	---	---	3090	9630	686	1900	---	---	872	2990
TOTAL	---	197930	---	187398	---	257680	---	162820	---	364710	---	728890

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	957	3510	9170	86300	1900	28000	6920	129000	108	244	514	1800
2	1860	6530	11700	118000	1050	15300	4420	86700	103	196	385	1090
3	1920	6760	16200	182000	1400	20800	6110	126000	77	145	188	481
4	1160	3930	13600	137000	2180	32900	5800	124000	112	269	137	345
5	2180	8020	10800	115000	1440	22300	10300	234000	100	247	123	301
6	1830	7500	9270	104000	4450	74700	16500	386000	122	286	94	229
7	3260	14800	7520	83900	2390	40800	10000	226000	95	213	70	176
8	4540	24000	3800	40900	2340	40500	7590	161000	49	108	1360	4580
9	4190	23700	3320	33900	1990	35100	7810	155000	67	148	1230	4250
10	3450	20600	3110	30600	3650	60900	3640	67600	76	179	511	1420
11	4800	30100	1810	18200	1400	22300	2660	47000	107	286	734	1920
12	5750	35800	1560	16000	1530	24800	1330	21600	107	315	231	639
13	3360	18800	3750	38700	859	13600	904	13200	120	367	743	2090
14	3200	18600	3480	35300	1540	25000	920	12000	89	277	722	2130
15	2390	15600	1740	18800	1690	28700	884	10300	82	230	614	1850
16	7080	51100	5850	69900	1420	24700	1140	11700	78	208	417	1160
17	6520	52300	6320	81700	1060	18800	748	7030	101	283	296	806
18	9080	69100	8620	120000	6530	131000	470	3990	92	248	311	862
19	8120	54600	14500	214000	14100	285000	1750	14400	74	210	122	314
20	7960	51500	8100	122000	11700	242000	1790	14500	176	522	120	299
21	2700	15800	5370	79200	8530	182000	1230	9700	99	278	114	273
22	1220	7570	4270	67700	8700	185000	1150	8710	83	245	126	336
23	4380	31300	3230	51100	8440	172000	717	4880	1380	4470	132	377
24	6620	46800	3220	51800	5740	110000	1030	6140	1190	3630	127	372
25	6360	45800	2260	36400	2670	48300	595	3130	1660	4420	128	378
26	7990	66100	4630	72400	3720	65500	223	1070	1370	3920	119	352
27	7860	66200	2250	33000	944	16400	206	847	2170	6710	129	359
28	10900	94000	1550	21500	1760	30600	171	616	1030	3310	125	332
29	11200	98800	4140	61900	5890	104000	139	440	1500	4970	136	387
30	8280	76000	7290	111000	11200	203000	124	371	759	2490	134	423
31	---	---	4710	70200	---	---	115	319	484	1540	---	---
TOTAL	---	1065220	---	2322600	---	2304000	---	1887443	---	40964	---	30331
TOTAL LOAD FOR YEAR:		9549986	TONS.									

RIO GRANDE BASIN

08313025 LOS ALAMOS CANYON AT LOS ALAMOS, NM

LOCATION.--Lat 35°52'48", long 106°19'42", in SE¼SE¼ sec.17, T.19 N., R.6 E., Los Alamos County, Hydrologic Unit 13020101, on right bank 0.4 mi upstream from Rainbow bridge on Diamond Drive and, 1.5 mi downstream from Los Alamos Reservoir.

DRAINAGE AREA.--7.12 mi².

PERIOD OF RECORD.--April to December 1994 (discontinued).

GAGE.--Water-stage recorder and parshall flume. Elevation of gage is 7,220 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Flow partially controlled by Los Alamos Reservoir 1.5 mi upstream. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5.0 ft³/s, Nov. 12; gage height, 0.79 ft; no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	.58	.49	.00	.00	.00	.00	.11	1.1
2	---	---	---	---	.65	.43	.00	.00	.07	.00	.11	1.1
3	---	---	---	---	.74	.44	.00	.00	.05	.00	.16	1.1
4	---	---	---	---	.72	.50	.00	.00	.01	.00	.14	1.1
5	---	---	---	---	.70	.44	.00	.00	.00	.00	.12	.91
6	---	---	---	---	.73	.36	.00	.00	.00	.00	.13	.07
7	---	---	---	---	.79	.30	.00	.00	.00	.00	.12	.01
8	---	---	---	---	.73	.26	.00	.00	.00	.00	.13	.03
9	---	---	---	---	.58	.24	.00	.00	.00	.00	.11	.08
10	---	---	---	---	.85	.18	.00	.00	.00	.00	.10	.00
11	---	---	---	---	.89	.18	.00	.00	.00	.00	.14	.00
12	---	---	---	---	.99	.15	.00	.00	.00	.00	2.5	.00
13	---	---	---	---	1.4	.02	.00	.00	.01	.00	4.1	.00
14	---	---	---	---	1.7	.00	.00	.00	.04	.01	2.9	.00
15	---	---	---	---	1.4	.00	.00	.00	.00	.05	2.0	.00
16	---	---	---	---	1.2	.00	.00	.00	.00	.23	1.4	.00
17	---	---	---	---	.98	.00	.00	.00	.00	.40	.96	.00
18	---	---	---	---	.85	.00	.00	.00	.00	.37	.73	.00
19	---	---	---	---	.74	.05	.00	.00	.00	.33	.61	.00
20	---	---	---	---	.86	.01	.00	.00	.00	.30	.53	.00
21	---	---	---	---	.58	.24	.00	.00	.00	.28	.46	.00
22	---	---	---	---	.53	.12	.00	.00	.00	.27	.40	.00
23	---	---	---	---	.46	.03	.00	.00	.00	.25	.34	.00
24	---	---	---	---	.39	.01	.00	.08	.00	.26	.30	.00
25	---	---	---	1.2	.61	.01	.00	.11	.00	.26	.25	.00
26	---	---	---	.99	.62	.00	.00	.02	.00	.26	.22	.00
27	---	---	---	.92	.72	.00	.00	.00	.00	.26	.21	.00
28	---	---	---	.74	.68	.00	.00	.00	.00	.23	1.1	.00
29	---	---	---	.79	.61	.00	.00	.00	.00	.23	1.1	.00
30	---	---	---	.63	.58	.00	.00	.00	.00	.22	1.1	.00
31	---	---	---	---	.53	---	.00	.00	---	.20	---	.00
TOTAL	---	---	---	---	24.39	4.46	0.00	0.21	0.18	4.41	22.58	5.50
MEAN	---	---	---	---	.79	.15	.000	.007	.006	.14	.75	.18
MAX	---	---	---	---	1.7	.50	.00	.11	.07	.40	4.1	1.1
MIN	---	---	---	---	.39	.00	.00	.00	.00	.00	.10	.00
AC-FT	---	---	---	---	48	8.8	.00	.4	.4	8.7	45	11

RIO GRANDE BASIN

08313030 LOS ALAMOS CANYON BELOW TA-2 NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°52'20", long 106°15'37", in SE¼SE¼ sec.13, T.19N., R.6E., Los Alamos County, Hydrologic Unit 13020101, 150 ft upstream from mouth of D F Canyon Wash, and 2.4 mi upstream from State Highway 4.

DRAINAGE AREA.--8.58 mi².

PERIOD OF RECORD.--June to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,580 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12 ft³/s, Oct. 14, gage height, 1.50 ft; no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.82
2	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.80
3	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.80
4	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.80
5	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.80
6	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.80
7	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.50
8	---	---	---	---	---	---	.00	.00	.00	.00	.00	e.20
9	---	---	---	---	---	.00	.00	.00	.00	.00	.00	e.08
10	---	---	---	---	---	.00	.00	.00	.00	.00	e.00	e.04
11	---	---	---	---	---	.00	.00	.00	.00	.00	e.00	e.01
12	---	---	---	---	---	.00	.00	.00	.00	.00	e7.1	e.00
13	---	---	---	---	---	.00	.00	.00	.00	.00	e3.5	e.00
14	---	---	---	---	---	.00	.00	.00	.00	.96	e3.1	e.00
15	---	---	---	---	---	.00	.00	.00	.00	1.9	e1.6	e.00
16	---	---	---	---	---	.00	.00	.00	.00	.72	e.65	e.00
17	---	---	---	---	---	.00	.00	.00	.00	1.3	e.40	e.00
18	---	---	---	---	---	.00	.00	.00	.00	.00	e.33	e.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	e.31	e.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	e.27	e.00
21	---	---	---	---	---	.00	.00	.28	.00	.00	e.26	e.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	e.24	e.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	e.23	e.00
24	---	---	---	---	---	.00	.00	.51	.00	.00	e.22	e.00
25	---	---	---	---	---	.00	.00	.01	.00	.00	e.20	e.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	e.20	e.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	e.30	e.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	e.55	e.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	e.80	e.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	e.81	e.00
31	---	---	---	---	---	---	.00	.00	---	.00	---	e.00
TOTAL	---	---	---	---	---	---	0.00	0.80	0.00	4.88	21.07	5.65
MEAN	---	---	---	---	---	---	.000	.026	.000	.16	.70	.18
MAX	---	---	---	---	---	---	.00	.51	.00	1.9	7.1	.82
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	1.6	.00	9.7	42	11

e Estimated

RIO GRANDE BASIN

08313042 LOS ALAMOS CANYON NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°52'01", long 106°13'21", in SW¼ sec.20, T.19 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201, on right bank 2.7 mi northwest of White Rock, 3.9 mi east of Los Alamos, and 13.5 mi southwest of Espanola.

DRAINAGE AREA.--9.08 mi².

PERIOD OF RECORD.--November 1970 to June 1971, October 1991 to September 1995 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,380 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. No diversion above station. Gage is equipped with cellular telemetry.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.05	3.9	e.44	.01	e.00	.00
2	.00	.00	.00	.00	.00	.00	.00	4.1	e.42	.00	e.00	.00
3	.00	.00	.00	.00	.00	.00	.00	4.5	e.40	.00	e.00	.00
4	.00	.00	.00	.00	.00	.00	.00	4.4	e.36	.00	e.00	.00
5	.00	.00	.00	.00	.00	.00	.00	5.3	e.33	.00	e.00	.00
6	.00	.00	.00	.00	.00	.00	.00	4.2	e.30	.00	e.00	.00
7	.00	.00	.00	.00	.00	.00	.00	4.1	.27	.00	.00	1.1
8	.00	.00	.00	.00	.00	.00	.00	4.0	.20	.00	.00	.38
9	.00	.00	.00	.00	.00	.00	.00	3.6	.15	.00	.00	.21
10	.00	.00	.00	.00	.00	.00	.12	3.2	.13	.00	.00	.05
11	.00	.00	.00	.00	.00	.00	.23	3.6	.08	.00	.00	.54
12	.00	9.5	.00	.00	.00	.00	.05	3.9	.05	.00	.00	.00
13	.00	.05	.00	.00	.00	.00	.00	4.5	.01	.00	.00	.00
14	1.3	.68	.00	.00	.10	.00	.00	4.5	e.03	.00	.00	.00
15	6.9	.80	.00	.00	.28	.00	.02	4.5	e.02	.00	.00	.00
16	.97	.44	.00	.00	.02	.00	.05	4.7	e.01	.20	.00	.00
17	2.1	.20	.00	.00	.00	.00	.12	5.5	1.1	.00	.00	.00
18	.00	1.1	.00	.00	.00	.00	.15	5.7	.27	2.4	.00	.00
19	.00	.00	.00	.00	.00	.00	.15	4.6	.00	.40	.00	.00
20	.00	.00	.00	.00	.00	.00	.13	4.1	.00	e.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.11	3.4	.01	e.00	.00	.00
22	.00	.00	.00	.00	.00	.42	.34	3.1	.00	e.00	.00	.00
23	.00	.00	.00	.00	.00	.87	.29	3.2	.00	e.00	.00	.00
24	.00	.00	.00	.00	.00	.85	.29	3.1	.00	e.00	.00	.00
25	.00	.00	.00	.00	.00	.58	.21	2.4	.06	e.00	.00	.00
26	.00	.00	.00	.00	.00	.83	.27	1.8	.99	e.00	.41	.00
27	.00	.00	.00	.00	.00	1.1	.39	1.6	.01	e.00	.04	.00
28	.00	.00	.00	.00	.00	.24	.65	1.3	.05	e.00	.00	.00
29	.00	.00	.00	.00	---	.20	1.1	8.2	.00	e.00	.31	.00
30	.00	.00	.00	.00	---	.12	2.9	.82	.06	e.00	.07	.00
31	.00	---	.00	.00	---	.09	---	.45	---	e.00	.00	---
TOTAL	11.27	12.77	0.00	0.00	0.40	5.30	7.62	116.27	5.75	3.01	0.83	2.28
MAX	6.9	9.5	.00	.00	.28	1.1	2.9	8.2	1.1	2.4	.41	1.1
MIN	.00	.00	.00	.00	.00	.00	.00	.45	.00	.00	.00	.00
AC-FT	22	25	.00	.00	.8	11	15	231	11	6.0	1.6	4.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

	MAX	.36	.43	.000	.000	.014	1.08	5.69	3.75	.64	.14	.35	.10
(WY)	1995	1995	1992	1992	1995	1993	1992	1995	1992	1993	1993	1992	1992
MIN	.000	.000	.000	.000	.000	.000	.000	.050	.000	.000	.000	.000	.000
(WY)	1992	1993	1992	1992	1992	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1992 - 1995
ANNUAL TOTAL	25.59	165.50	
HIGHEST ANNUAL MEAN			.68 1992
LOWEST ANNUAL MEAN			.004 1994
HIGHEST DAILY MEAN	9.5 Nov 12	9.5 Nov 12	13 Apr 14 1992
LOWEST DAILY MEAN	.00 Jan 1	.00 Oct 1	.00 Oct 1 1991
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Oct 1	.00 Oct 1 1991
INSTANTANEOUS PEAK FLOW		56 May 29	137 Aug 27 1993
INSTANTANEOUS PEAK STAGE		2.25 May 29	2.78 Aug 27 1993
INSTANTANEOUS LOW FLOW			.00 Oct 1 1993
ANNUAL RUNOFF (AC-FT)	51	328	314
10 PERCENT EXCEEDS	.00	1.1	1.3
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

RIO GRANDE BASIN

08313060 PUEBLO CANYON NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°52'13". long 106°12'56", in NE¼NE¼ sec.20, T.19 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201, on right bank at State Highway maintenance yard 200 ft north of State Hwy 502, and 4.2 mi east of Los Alamos.

DRAINAGE AREA.--6.94 mi².

PERIOD OF RECORD.--January 1992 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,330 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion above station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.89	.66	.84	1.2	e1.0	1.4	1.5	.79	1.3	1.7	2.4	2.2
2	1.1	.89	.90	1.3	e1.1	1.5	1.6	.89	.62	1.5	.97	1.7
3	1.0	.95	.77	1.5	e1.1	1.4	1.5	.84	.82	1.6	.84	.97
4	1.0	1.0	.85	1.4	e1.1	1.5	1.6	.88	.58	1.3	1.1	1.4
5	1.4	1.2	.89	1.2	e1.2	1.5	1.3	.81	.67	1.1	1.7	1.3
6	1.2	1.3	1.1	1.4	e1.2	1.6	1.3	.92	.60	.70	2.1	1.0
7	1.0	.99	1.3	1.3	e1.3	1.5	1.4	.83	.70	1.0	1.3	1.9
8	1.4	1.1	1.3	1.0	1.2	1.4	1.5	.87	.69	.81	1.1	2.1
9	1.4	1.1	1.3	1.1	1.1	1.4	1.1	.77	.78	1.1	1.3	2.2
10	1.4	1.1	1.2	1.1	1.1	1.1	1.6	.58	.58	.77	1.2	2.3
11	1.1	1.1	1.2	1.0	1.1	1.3	1.6	.89	.73	.96	1.5	1.7
12	.80	3.1	1.3	1.0	.97	1.2	1.6	.73	.58	.90	1.4	1.6
13	.48	1.5	1.2	.97	1.0	1.4	1.6	.53	.65	2.0	1.4	1.5
14	1.2	1.3	1.2	1.0	1.0	1.1	1.3	.67	.73	1.2	1.4	1.5
15	1.9	.98	1.3	1.0	1.1	1.3	1.2	.53	.79	1.1	1.9	.68
16	1.0	.90	1.2	1.0	1.1	1.5	1.4	.58	.81	1.8	1.1	.89
17	2.5	.88	1.3	1.0	1.1	1.3	1.4	.65	1.4	1.6	1.1	1.5
18	1.4	.87	1.2	1.0	1.2	1.3	1.3	.83	1.8	2.5	1.7	1.2
19	.92	.94	1.2	.97	1.2	1.2	1.4	.96	1.6	2.5	1.5	1.4
20	.94	.92	1.2	.80	1.2	1.3	1.3	.99	1.6	2.2	1.4	1.5
21	.62	.92	1.1	.89	1.3	1.1	1.4	.73	1.0	1.8	1.5	1.1
22	.70	.89	1.0	.97	1.2	1.4	1.5	.75	.89	2.2	1.4	.76
23	.76	.91	1.1	.97	1.2	1.2	1.5	.47	.85	2.4	.76	1.6
24	.87	.86	1.2	.97	1.2	1.4	1.6	.67	1.0	1.4	1.5	1.7
25	.72	.82	1.1	1.0	1.3	1.3	1.6	.77	.84	.89	1.7	1.9
26	.91	.87	1.1	.97	1.3	1.4	1.6	.77	1.9	.76	2.2	.60
27	.78	.87	1.2	.93	1.4	1.5	1.5	.72	1.7	.76	2.5	1.1
28	.75	.92	1.2	e.97	1.3	1.4	1.4	.76	1.6	.68	2.2	.49
29	.97	.87	1.2	e.97	---	1.4	1.2	1.4	1.9	.72	2.3	1.4
30	.99	.84	1.2	e.97	---	1.5	.87	1.4	1.6	.76	2.5	1.5
31	.83	---	1.3	e1.0	---	1.5	---	1.2	---	.80	2.3	---
TOTAL	32.93	31.55	35.45	32.85	32.57	42.3	42.67	25.18	31.31	41.51	49.27	42.69
MEAN	1.06	1.05	1.14	1.06	1.16	1.36	1.42	.81	1.04	1.34	1.59	1.42
MAX	2.5	3.1	1.3	1.5	1.4	1.6	1.6	1.4	1.9	2.5	2.5	2.3
MIN	.48	.66	.77	.80	.97	1.1	.87	.47	.58	.68	.76	.49
AC-FT	65	63	70	65	65	84	85	50	62	82	98	85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1995, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.93	.99	1.09	1.17	1.14	1.09	.90	.69	.58	.77	1.15	1.27
MAX	1.42	1.24	1.15	1.26	1.20	1.36	1.42	.85	1.04	1.34	1.59	1.79
(WY)	1994	1994	1994	1992	1992	1995	1995	1994	1995	1995	1995	1993
MIN	.30	.69	.97	1.05	1.02	.77	.43	.42	.39	.48	.72	.50
(WY)	1993	1993	1993	1994	1993	1993	1992	1992	1992	1993	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1992 - 1995
ANNUAL TOTAL	372.64	440.28	
ANNUAL MEAN	1.02	1.21	1.04
HIGHEST ANNUAL MEAN			1.21
LOWEST ANNUAL MEAN			.84
HIGHEST DAILY MEAN	3.1 Nov 12	3.1 Nov 12	3.1 Nov 12 1994
LOWEST DAILY MEAN	.03 Jul 7	.47 May 23	.02 Jul 9 1993
ANNUAL SEVEN-DAY MINIMUM	.26 Jul 2	.64 May 10	.24 Jul 8 1993
INSTANTANEOUS PEAK FLOW		6.3 Oct 15	6.3 Oct 15 1994
INSTANTANEOUS PEAK STAGE		5.97 Oct 15	5.97 Oct 15 1994
INSTANTANEOUS LOW FLOW			.03 Jul 7 1994
ANNUAL RUNOFF (AC-FT)	739	873	752
10 PERCENT EXCEEDS	1.4	1.7	1.5
50 PERCENT EXCEEDS	1.1	1.2	1.0
90 PERCENT EXCEEDS	.44	.76	.37

e Estimated

RIO GRANDE BASIN

08313125 SANDIA CANYON NEAR WHITE ROCK, NM

LOCATION.--Lat 35°51'32", long 106°13'33", in SE¼SE¼ sec.20, T.19 N., R.7 E., Santa Fe County, Hydrologic Unit 13020101, on right bank 0.2 mi north of East Jemez Road, and 0.5 mi upstream from State Highway 4.

DRAINAGE AREA.--2.52 mi².

PERIOD OF RECORD.--November 1993 to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,500 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2.1 ft³/s, June 21, 1994, gage height 1.30 ft; from floodmarks; minimum; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
2	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
3	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
4	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
5	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
6	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
7	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
8	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
9	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
10	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
11	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
12	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
13	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
19	---	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00
20	---	---	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.00
21	---	---	.00	.00	.00	.00	.00	.00	e.09	e.00	e.00	.00
22	---	---	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.00
23	---	---	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.00
24	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.00
25	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	.00
26	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00
27	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00
28	---	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00
29	---	.00	.00	.00	---	.00	.00	.00	.00	e.00	.00	.00
30	---	.00	.00	.00	---	.00	.00	.00	.00	e.00	.00	.00
31	---	---	.00	.00	---	.00	---	.00	---	e.00	.00	---
TOTAL	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
MEAN	---	---	.000	.000	.000	.000	.000	.000	.003	.000	.000	.000
MAX	---	---	.00	.00	.00	.00	.00	.00	.09	.00	.00	.00
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	---	.00	.00	.00	.00	.00	.00	.2	.00	.00	.00

e Estimated

08313125 SANDIA CANYON AT NM HWY 4 NR WHITE ROCK, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e.00	---	---	---	---	---	---	---	---	---
2	.00	.00	e.00	---	---	---	---	---	---	---	---	---
3	.00	.00	e.00	---	---	---	---	---	---	---	---	---
4	.00	.00	e.00	---	---	---	---	---	---	---	---	---
5	.00	.00	e.00	---	---	---	---	---	---	---	---	---
6	.00	.00	e.00	---	---	---	---	---	---	---	---	---
7	.00	.00	e.00	---	---	---	---	---	---	---	---	---
8	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
9	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
10	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
11	.00	e.06	e.00	---	---	---	---	---	---	---	---	---
12	.00	e.40	e.00	---	---	---	---	---	---	---	---	---
13	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
14	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
15	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
16	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
17	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
18	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
19	.00	e.00	.00	---	---	---	---	---	---	---	---	---
20	.00	e.00	.00	---	---	---	---	---	---	---	---	---
21	.00	e.00	.00	---	---	---	---	---	---	---	---	---
22	.00	e.00	.00	---	---	---	---	---	---	---	---	---
23	.00	e.00	.00	---	---	---	---	---	---	---	---	---
24	.00	e.00	.00	---	---	---	---	---	---	---	---	---
25	.00	e.00	.00	---	---	---	---	---	---	---	---	---
26	.00	e.00	.00	---	---	---	---	---	---	---	---	---
27	.00	e.00	.00	---	---	---	---	---	---	---	---	---
28	.00	e.00	.00	---	---	---	---	---	---	---	---	---
29	.00	e.00	.00	---	---	---	---	---	---	---	---	---
30	.00	e.00	.00	---	---	---	---	---	---	---	---	---
31	.00	---	.00	---	---	---	---	---	---	---	---	---
TOTAL	0.00	0.46	0.00	---	---	---	---	---	---	---	---	---
MEAN	.000	.015	.000	---	---	---	---	---	---	---	---	---
MAX	.00	.40	.00	---	---	---	---	---	---	---	---	---
MIN	.00	.00	.00	---	---	---	---	---	---	---	---	---
AC-FT	.00	.9	.00	---	---	---	---	---	---	---	---	---

e Estimated

08313204 MORTANDAD CANYON NR LOS ALAMOS, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

[illegible]

RIO GRANDE BASIN

08313225 CANADA DEL BUEY ABOVE WHITE ROCK, NM

LOCATION.--Lat 35°52'27", Long 106°14'29", Los Alamos County, Hydrologic Unit 13020201, in Ramon Vigil Grant, on right bank 0.1 mi south of Los Alamos County Line, and 2.5 mi upstream from State Highway 4 in White Rock.

DRAINAGE AREA.--1.58 mi².

PERIOD OF RECORD.--January to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--No flow during period of record.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.002	.000	.000	.000	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.1	.00	.00	.00	.00	.00	.00

CAL YR 1994 TOTAL 0.06 MEAN .000 MAX .06 MIN .00 AC-FT .1

RIO GRANDE BASIN

08313230 CANADA DEL BUEY AT WHITE ROCK, NM

LOCATION.--Lat 35°49'39", long 106°12'40", Los Alamos County, Hydrologic Unit 13020201, in Ramon Vigil Grant, 250 ft on right bank upstream from State Highway 4 in White Rock.

DRAINAGE AREA.--2.14 mi².

PERIOD OF RECORD.--October 1992 to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,420 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. No diversions above gage. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 59 ft³/s August 3, 1993 gage height 1.95 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.00	.00
2	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.00	.00
3	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	4.2	.00
4	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.11	.00
5	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.00	.00
6	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.00	.00
7	.00	.00	.00	e.00	e.00	.00	e.00	e.00	e.00	e.00	.00	.00
8	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
9	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
10	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
11	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
12	.00	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
13	.00	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
14	.00	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
15	.00	.00	.00	.00	e.00	e.00	e.00	e.00	e.00	e.00	.00	.00
16	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
17	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
18	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
19	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
20	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
21	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
22	.00	.00	.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
23	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
24	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
25	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	.00	.00	.00
26	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	.00	3.0	.00
27	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	.00	1.3	.00
28	.00	.00	e.00	.00	.00	e.00	e.00	e.00	e.00	3.0	2.0	.00
29	.00	.00	e.00	e.00	---	e.00	e.00	e.00	e.00	.01	.02	.00
30	.00	.00	e.00	e.00	---	e.00	e.00	e.00	e.00	.00	.13	.00
31	.00	---	e.00	e.00	---	e.00	---	e.00	---	.00	.10	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.01	10.86	0.00
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.0	4.2	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.0	22	.00

e Estimated

[illegible]

RIO GRANDE BASIN

08313230 CANADA DEL BUEY AT WHITE ROCK, NM -- Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	---	---	---	---	---	---	---	---	---
2	.00	.00	.00	---	---	---	---	---	---	---	---	---
3	.00	.00	.00	---	---	---	---	---	---	---	---	---
4	.00	.00	.00	---	---	---	---	---	---	---	---	---
5	.00	.00	.00	---	---	---	---	---	---	---	---	---
6	.00	.00	.00	---	---	---	---	---	---	---	---	---
7	.00	.00	.00	---	---	---	---	---	---	---	---	---
8	.00	.00	.00	---	---	---	---	---	---	---	---	---
9	.00	.00	.00	---	---	---	---	---	---	---	---	---
10	.00	.00	.00	---	---	---	---	---	---	---	---	---
11	.00	e.50	.00	---	---	---	---	---	---	---	---	---
12	.00	e.50	.00	---	---	---	---	---	---	---	---	---
13	.00	.00	.00	---	---	---	---	---	---	---	---	---
14	.00	.00	.00	---	---	---	---	---	---	---	---	---
15	.00	.00	.00	---	---	---	---	---	---	---	---	---
16	.00	.00	.00	---	---	---	---	---	---	---	---	---
17	.00	.00	.00	---	---	---	---	---	---	---	---	---
18	.00	.00	.00	---	---	---	---	---	---	---	---	---
19	.00	.00	.00	---	---	---	---	---	---	---	---	---
20	.00	.00	.00	---	---	---	---	---	---	---	---	---
21	.00	.00	.00	---	---	---	---	---	---	---	---	---
22	.00	.00	.00	---	---	---	---	---	---	---	---	---
23	.00	.00	.00	---	---	---	---	---	---	---	---	---
24	.00	.00	.00	---	---	---	---	---	---	---	---	---
25	.00	.00	.00	---	---	---	---	---	---	---	---	---
26	.00	.00	.00	---	---	---	---	---	---	---	---	---
27	.00	.00	.00	---	---	---	---	---	---	---	---	---
28	.00	.00	.00	---	---	---	---	---	---	---	---	---
29	.00	.00	.00	---	---	---	---	---	---	---	---	---
30	.00	.00	.00	---	---	---	---	---	---	---	---	---
31	.00	---	.00	---	---	---	---	---	---	---	---	---
TOTAL	0.00	1.00	0.00	---	---	---	---	---	---	---	---	---
MAX	.00	.50	.00	---	---	---	---	---	---	---	---	---
MIN	.00	.00	.00	---	---	---	---	---	---	---	---	---
AC-FT	.00	2.0	.00	---	---	---	---	---	---	---	---	---

e Estimated

RIO GRANDE BASIN

08313240 PARJARITO CANYON NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°52'06", long 106°21'29", in SE¼NW¼ sec.19, T.19 N., R.6 E., Los Alamos County, Hydrologic Unit 13020201, in Santa Fe National Forest, on right bank 200 ft upstream from State Highway 501.

DRAINAGE AREA.--1.90 mi².

PERIOD OF RECORD.--January to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,760 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2.7 ft³/s, June 19, 1994, gage height 0.66 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.00	.00	.45	.00	.62	.76	.12	.00	.00
2	.00	.00	.00	.00	.00	.41	.00	.87	.79	.14	.00	.00
3	.00	.00	.00	.00	.00	.36	.00	.66	.77	.15	.00	.00
4	.00	.00	.00	.00	.00	.32	.00	.44	.77	.17	.00	.00
5	.00	.00	.00	.00	.00	.27	.03	.43	.74	.15	.00	.00
6	.00	.00	.00	.00	.00	.31	.04	.51	.78	.12	.00	.00
7	.00	.00	.00	.00	.00	.39	.04	.40	.78	.14	.00	.00
8	.00	.00	.00	.00	.00	.36	.04	.35	.74	.15	.00	.00
9	.00	.00	.00	.00	.00	.34	.04	.35	.72	.12	.00	.00
10	.00	.00	.00	.00	.00	.31	.02	.35	.71	.09	.00	.00
11	.00	.00	.00	.00	.00	.29	.00	.35	.71	.09	.00	.00
12	.00	.00	.00	.00	.00	.33	.00	.35	.72	.08	.91	.00
13	.00	.00	.00	.00	.00	.33	.00	.35	.75	.09	1.3	.00
14	.00	.00	.00	.00	.00	.32	.00	.41	.76	.22	.57	.00
15	.00	.00	.00	.00	.02	.31	.00	.62	.73	.28	.34	.00
16	.00	.00	.00	.00	.05	.27	.01	.50	.69	.24	.22	.00
17	.00	.00	.00	.00	.06	.21	.05	.42	.68	.19	.18	.00
18	.00	.00	.00	.00	.05	.13	.04	.39	.62	.08	.29	.00
19	.00	.00	.00	.00	.03	.51	.04	.35	.54	.04	.16	.00
20	.00	.00	.00	.00	.06	.42	.04	.41	.52	.02	.20	.00
21	.00	.00	.00	.00	.07	.71	.04	.71	.48	.02	.06	.00
22	.00	.00	.00	.00	.02	.70	.11	.54	.44	.01	.04	.00
23	.00	.00	.00	.00	.02	.53	.18	.46	.44	.01	.02	.00
24	.00	.00	.00	.00	.02	.45	.48	.65	.44	.01	.02	.00
25	.00	.00	.00	.00	.37	.38	.51	.93	.53	.01	.01	.00
26	.00	.00	.00	.00	.39	.30	.32	.85	.51	.01	.01	.00
27	.00	.00	.00	.00	.56	.25	.57	.79	.45	.00	.00	.00
28	.00	.00	.00	.00	.74	.19	.54	.78	.44	.00	.00	.00
29	.00	---	.00	.00	.68	.08	.48	.76	.44	.00	.00	.00
30	.00	---	.00	.00	.60	.01	.40	.75	.44	.00	.00	.00
31	.00	---	.00	---	.52	---	.43	.75	---	.00	---	.00
TOTAL	0.00	0.00	0.00	0.00	4.26	10.24	4.45	17.10	18.89	2.75	4.33	0.00
MEAN	.000	.000	.000	.000	.14	.34	.14	.55	.63	.089	.14	.000
MAX	.00	.00	.00	.00	.74	.71	.57	.93	.79	.28	1.3	.00
MIN	.00	.00	.00	.00	.00	.01	.00	.35	.44	.00	.00	.00
AC-FT	.00	.00	.00	.00	8.4	20	8.8	34	37	5.5	8.6	.00

RIO GRANDE BASIN

08313245 PARJARITO CANYON ABOVE TA-18 NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°50'59", long 106°17'02", in SE1/4 sec.19, T.19 N., R.6 E., Los Alamos County, Hydrologic Unit 13020201, in Ramon Vigil Grant, on right bank 1.5 mi upstream from boundary for Los Alamos National Lab Tech Area-18.

DRAINAGE AREA.--7.84 mi².

PERIOD OF RECORD.--November 1993 to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,860 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Gage equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft³/s, June 21, 1994, gage height, 2.40 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.00	.00	.00	e.00	e.00	e.00	e.00	.38	.00	.31	.00
2	---	.00	.00	.00	e.00	e.00	e.00	e.00	.33	.00	.00	.00
3	---	.00	.00	.00	e.00	e.00	e.00	e.00	.29	.00	.00	.00
4	---	.00	.00	.00	e.00	e.00	e.00	e.05	.27	.00	.00	.00
5	---	.00	.00	.00	e.00	e.00	e.00	e.03	.24	.00	.00	.00
6	---	.00	.00	.00	e.00	e.00	e.00	e.00	.21	.00	.00	.00
7	---	.00	.00	.00	e.00	e.00	e.00	e.12	.15	.00	.00	.00
8	---	.00	.00	.00	e.00	e.00	e.00	.13	.10	.00	.00	.00
9	---	.00	.00	.00	e.00	e.00	e.00	.12	.05	.00	.00	.00
10	---	.00	.00	.00	e.00	e.00	e.00	.21	.02	.00	.00	.00
11	---	.00	.00	.00	e.00	e.00	e.00	.23	.01	.00	.00	.00
12	---	.00	.00	.00	e.00	e.00	e.00	.23	.00	.00	.00	.00
13	---	.00	.00	.00	e.00	e.00	e.00	.25	.00	.00	.00	.00
14	---	.00	.00	.00	e.00	e.00	e.00	1.4	.00	.00	.00	.00
15	---	.00	.00	.00	e.00	e.00	e.00	.48	.00	.00	.00	.00
16	---	.00	.00	.00	e.00	e.00	e.00	.43	.00	.00	.00	.00
17	---	.00	.00	.00	e.00	e.00	e.00	.36	.00	.00	.00	.00
18	---	.00	.00	.00	e.00	e.00	e.00	.32	.00	.00	.00	.00
19	---	.00	.00	.00	e.00	e.00	e.00	.30	.00	.00	.00	.00
20	---	.00	.00	.00	e.00	e.00	e.00	.26	.12	.00	.00	.00
21	---	.00	.00	e.00	e.00	e.00	e.00	.19	1.2	.00	.06	.00
22	---	.00	.00	e.00	e.00	e.00	e.00	.17	.02	.00	.00	.00
23	---	.00	.00	e.00	e.00	e.00	e.00	.18	.00	.00	.00	.00
24	---	.00	.00	e.00	e.00	e.00	e.00	.11	.00	.05	.00	.00
25	---	.00	.00	e.00	e.00	e.00	e.00	1.1	.00	.00	.00	.00
26	---	.00	.00	e.00	e.00	e.00	e.00	.46	.00	.00	.00	.00
27	---	.00	.00	e.00	e.00	e.00	e.00	.49	.00	.00	.00	.00
28	---	.00	.00	e.00	e.00	e.00	e.00	.46	.00	.19	.00	.00
29	---	.00	.00	e.00	---	e.00	e.00	.38	.00	.00	.00	.00
30	---	.00	.00	e.00	---	e.00	e.00	.38	.00	.00	.00	.00
31	---	---	.00	e.00	---	e.00	---	.38	---	.00	.00	---
TOTAL	---	0.00	0.00	0.00	0.00	0.00	0.00	9.22	3.39	0.24	0.37	0.00
MEAN	---	.000	.000	.000	.000	.000	.000	.30	.11	.008	.012	.000
MAX	---	.00	.00	.00	.00	.00	.00	1.4	1.2	.19	.31	.00
MIN	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	.00	.00	.00	.00	.00	.00	.18	6.7	.5	.7	.00

c Estimated

RIO GRANDE BASIN

08313245 PARJARITO CANYON ABOVE TA-18 NEAR LOS ALAMOS, NM -- Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.14	e.00	---	---	---	---	---	---	---	---	---
2	.00	.13	e.00	---	---	---	---	---	---	---	---	---
3	.00	.12	e.00	---	---	---	---	---	---	---	---	---
4	.00	.09	e.00	---	---	---	---	---	---	---	---	---
5	.00	.08	e.00	---	---	---	---	---	---	---	---	---
6	.00	.08	e.00	---	---	---	---	---	---	---	---	---
7	.00	.07	e.00	---	---	---	---	---	---	---	---	---
8	.00	.04	e.00	---	---	---	---	---	---	---	---	---
9	.00	.00	e.00	---	---	---	---	---	---	---	---	---
10	.00	.02	e.00	---	---	---	---	---	---	---	---	---
11	.00	.07	e.00	---	---	---	---	---	---	---	---	---
12	.00	7.9	e.00	---	---	---	---	---	---	---	---	---
13	.00	2.9	e.00	---	---	---	---	---	---	---	---	---
14	.47	1.6	e.00	---	---	---	---	---	---	---	---	---
15	.85	1.4	e.00	---	---	---	---	---	---	---	---	---
16	.01	1.0	e.00	---	---	---	---	---	---	---	---	---
17	.06	.38	e.00	---	---	---	---	---	---	---	---	---
18	.00	.74	e.00	---	---	---	---	---	---	---	---	---
19	.00	.38	e.00	---	---	---	---	---	---	---	---	---
20	.00	.87	e.00	---	---	---	---	---	---	---	---	---
21	.00	1.2	e.00	---	---	---	---	---	---	---	---	---
22	.00	e.33	e.00	---	---	---	---	---	---	---	---	---
23	.00	e.10	e.00	---	---	---	---	---	---	---	---	---
24	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
25	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
26	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
27	.00	e.00	e.00	---	---	---	---	---	---	---	---	---
28	.12	e.00	e.00	---	---	---	---	---	---	---	---	---
29	.22	e.00	e.00	---	---	---	---	---	---	---	---	---
30	.19	e.00	e.00	---	---	---	---	---	---	---	---	---
31	.14	---	e.00	---	---	---	---	---	---	---	---	---
TOTAL	2.06	19.64	0.00	---	---	---	---	---	---	---	---	---
MEAN	.066	.65	.000	---	---	---	---	---	---	---	---	---
MAX	.85	7.9	.00	---	---	---	---	---	---	---	---	---
MIN	.00	.00	.00	---	---	---	---	---	---	---	---	---
AC-FT	4.1	39	.00	---	---	---	---	---	---	---	---	---

CAL YR 1994 TOTAL 34.92 MEAN .096 MAX 7.9 MIN .00 AC-FT 69

e Estimated

RIO GRANDE BASIN

08313250 BARJARITO CANYON ABOVE HIGHWAY 4 NEAR WHITE ROCK, NM

LOCATION.--Lat 35°49'28", long 106°13'36", in SE 1/4 sec. 19, T. 19 N., R. 6 E., Los Alamos County, Hydrologic Unit 13020201, in Ramon Vigil Grant, on left bank 0.25 mi upstream from State Highway 4 in White Rock, NM.

DRAINAGE AREA.--10.9 mi².

PERIOD OF RECORD.--November 1993 to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,650 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2.7 ft³/s, Oct. 19, 1994, gage height 2.55 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
2	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
3	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
4	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
5	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
6	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
7	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
8	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
9	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
10	---	---	.00	.00	e.00	e.00	.00	.00	.00	.00	e.00	.00
11	---	---	.00	.00	e.00	e.00	.03	.00	.00	.00	e.00	.00
12	---	---	.00	.00	e.00	.00	.02	.00	.00	.00	.00	.00
13	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
14	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
15	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
16	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
17	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
18	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
19	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
20	---	---	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
21	---	---	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
22	---	---	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
23	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
24	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
25	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
26	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
27	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
28	---	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
29	---	.00	.00	e.00	---	.00	.00	.00	.00	e.00	.00	.00
30	---	.00	.00	e.00	---	.00	.00	.00	.00	e.00	.00	.00
31	---	---	.00	e.00	---	.00	---	.00	---	e.00	.00	---
TOTAL	---	---	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	.000	.000	.000	.000	.002	.000	.000	.000	.000	.000
MAX	---	---	.00	.00	.00	.00	.03	.00	.00	.00	.00	.00
MIN	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	---	.00	.00	.00	.00	.1	.00	.00	.00	.00	.00

e Estimated

RIO GRANDE BASIN

08313252 WATER CANYON ABOVE HIGHWAY 501 NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°50'11", long 106°21'46", in SE¼NW¼ sec.19, T.19 N., R.5 E., Los Alamos County, Hydrologic Unit 15020201, in Santa Fe National Forest, on left bank 0.3 mi upstream from State Highway 501, and 0.3 mi northwest of Junction of State Highways 501 and 4.

DRAINAGE AREA.--3.39 mi².

PERIOD OF RECORD.--October to December 1994 (discontinued).

GAGE.--Water-stage recorder and V notch sharp crested weir. Elevation of gage is 7,740 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 0.09 ft³/s, Nov. 26, 1994, gage height 1.32 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	.09	---	---	---	---	---	---	---	---	---
2	e.00	e.00	.08	---	---	---	---	---	---	---	---	---
3	e.00	e.00	.08	---	---	---	---	---	---	---	---	---
4	e.00	e.00	.07	---	---	---	---	---	---	---	---	---
5	e.00	e.00	.07	---	---	---	---	---	---	---	---	---
6	e.00	e.00	.07	---	---	---	---	---	---	---	---	---
7	e.00	e.00	.03	---	---	---	---	---	---	---	---	---
8	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
9	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
10	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
11	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
12	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
13	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
14	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
15	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
16	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
17	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
18	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
19	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
20	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
21	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
22	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
23	e.00	.00	.00	---	---	---	---	---	---	---	---	---
24	e.00	.01	.00	---	---	---	---	---	---	---	---	---
25	e.00	.07	.00	---	---	---	---	---	---	---	---	---
26	e.00	.08	.00	---	---	---	---	---	---	---	---	---
27	e.00	.08	.00	---	---	---	---	---	---	---	---	---
28	e.00	.09	.00	---	---	---	---	---	---	---	---	---
29	e.00	.09	.00	---	---	---	---	---	---	---	---	---
30	e.00	.09	.00	---	---	---	---	---	---	---	---	---
31	e.00	---	.00	---	---	---	---	---	---	---	---	---
MEAN	.000	.017	.016	---	---	---	---	---	---	---	---	---
MAX	.00	.09	.09	---	---	---	---	---	---	---	---	---
MIN	.00	.00	.00	---	---	---	---	---	---	---	---	---
AC-FT	.00	1.0	1.0	---	---	---	---	---	---	---	---	---

e Estimated

RIO GRANDE BASIN

08313253 CANON DEL VALLE NEAR LOS ALAMOS, NM

LOCATION.--Lat 35°51'06", long 106°21'17", in NE¼NE¼ sec.25 T.19 N., R.5 E., Los Alamos County, Hydrologic Unit 13020201, in Santa Fe National Forest, on left bank 0.25 mi upstream from State Highway 501, 1.5 mi north of Junction at State Highways, 501 and 4 and 4.7 mi above mouth,

DRAINAGE AREA.--2.46 mi².

PERIOD OF RECORD.--October 1994 to December 1994 (discontinued).

GAGE.--Water-stage recorder and V notch sharp crested weir. Elevation of gage is 7,740 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Gage is equipped with cellular telemetry.

EXTREMES FOR PERIOD OF RECORD.--No flow during entire period of record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
2	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
3	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
4	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
5	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
6	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
7	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
8	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
9	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
10	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
11	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
12	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
13	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
14	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
15	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
16	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
17	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
18	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
19	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
20	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
21	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
22	e.00	e.00	.00	---	---	---	---	---	---	---	---	---
23	e.00	.00	.00	---	---	---	---	---	---	---	---	---
24	e.00	.00	.00	---	---	---	---	---	---	---	---	---
25	e.00	.00	.00	---	---	---	---	---	---	---	---	---
26	e.00	.00	.00	---	---	---	---	---	---	---	---	---
27	e.00	.00	.00	---	---	---	---	---	---	---	---	---
28	e.00	.00	.00	---	---	---	---	---	---	---	---	---
29	e.00	.00	.00	---	---	---	---	---	---	---	---	---
30	e.00	.00	.00	---	---	---	---	---	---	---	---	---
31	e.00	---	.00	---	---	---	---	---	---	---	---	---
MEAN	.000	.000	.000	---	---	---	---	---	---	---	---	---
MAX	.00	.00	.00	---	---	---	---	---	---	---	---	---
MIN	.00	.00	.00	---	---	---	---	---	---	---	---	---
AC-FT	.00	.00	.00	---	---	---	---	---	---	---	---	---

e Estimated

RIO GRANDE BASIN

08313255 POTRILLO CANYON NEAR WHITE ROCK, NM

LOCATION.--Lat 35°48'53", long 106°14'00", in NE1/4 sec.25 T.19 N., R.5 E., Los Alamos County, Hydrologic Unit 13020201, in Ramon Vigil Grant, on left bank 0.25 mi upstream from State Highway 4, and 20 mi southwest of White Rock.

DRAINAGE AREA.--2.25 mi².

PERIOD OF RECORD.--March to December 1994 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,460 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 69 ft³/s, July 28, gage height 1.34 ft. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, CALENDAR YEAR JANUARY TO DECEMBER 1994
DAILY MEAN VALUES

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	---	---	---	.00	.00	.00	.00	.00	.05	.00	.00	.00
6	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	---	---	---	.00	.00	.00	.00	.06	.00	.00	.00	.00
9	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	---	---	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00
29	---	---	.00	.00	.00	.00	.11	.00	.00	.00	.00	.00
30	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	---	---	.00	---	.00	---	.00	.00	---	.00	---	.00
MEAN	---	---	---	.000	.000	.000	.009	.002	.002	.000	.000	.000
MAX	---	---	---	.00	.00	.00	.18	.06	.05	.00	.00	.00
MIN	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	.00	.00	.00	.6	.1	.1	.00	.00	.00

RIO GRANDE BASIN

08313350 RITO DE LOS FRIJOLES IN BANDELIER NATIONAL MONUMENT, NM

LOCATION.--Lat 35°46'35", long 106°16'06", Sandoval County, Hydrologic Unit 13020201, in Bandelier National Monument, on right bank 800 ft downstream from Monument headquarters, 6.5 mi south of Los Alamos, 18.5 mi northwest of Santa Fe, and at mile 2.0.

DRAINAGE AREA.--18.1 mi².

PERIOD OF RECORD.--July 1963 to September 1969, July 1977 to September 1982, May 1993 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 6,035 ft, from topographic map. Prior to Oct. 3, 1979, at site upstream at different datum.

REMARKS.--Water-discharge records fair except those for winter period, which are poor. One small diversion from left bank about 1.0 mi upstream for irrigation of small orchard. The La Mesa forest fire which occurred during mid-June 1977 burned about 40% of the forest cover of this watershed and evidently changed the flow characteristics.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.80	2.4	e2.1	e2.0	2.2	2.8	3.4	5.1	2.2	e1.4	.75	1.4
2	.85	2.6	2.1	e2.0	e2.5	2.7	3.3	5.1	2.2	e1.3	.81	1.3
3	.81	2.7	2.1	e1.8	e2.5	2.7	3.3	4.9	2.1	e1.2	.96	1.2
4	.81	2.7	2.0	e1.8	e2.7	3.0	3.3	4.7	2.1	e1.1	.96	1.1
5	.84	2.7	2.1	e1.8	e2.7	3.1	3.3	4.6	2.0	e1.1	.89	.98
6	.86	3.0	e2.0	e2.0	e2.7	3.5	3.2	4.3	1.8	e1.0	.79	.93
7	.86	3.0	e2.0	e2.0	e2.7	3.7	3.2	4.1	e1.7	e1.0	.76	1.1
8	.92	3.0	e1.7	e2.0	e2.4	3.5	3.2	4.0	e1.7	e1.0	.68	1.6
9	1.0	3.0	e1.7	e2.3	e2.4	3.3	3.4	3.7	e1.6	e.96	.67	1.2
10	1.0	3.1	e1.6	e2.3	e2.4	3.2	3.6	3.5	e1.6	e.96	.68	1.1
11	.98	3.4	e1.6	e2.3	e2.4	3.1	3.7	3.2	e1.6	.82	.80	1.0
12	.98	8.9	e1.6	e2.5	e2.5	3.3	3.6	3.1	e1.5	.80	.97	.95
13	1.0	11	e1.7	e2.5	e2.5	3.3	3.6	3.1	e1.5	.79	.98	.87
14	1.2	8.3	e1.7	e2.5	2.5	3.1	3.7	3.0	e1.4	.82	.88	.86
15	3.2	5.7	e1.7	e2.3	2.9	2.8	3.8	2.8	e1.4	.88	e1.0	.89
16	2.8	3.8	e2.0	e2.3	2.8	2.6	3.8	2.7	e1.5	.90	e1.1	.89
17	3.0	3.5	e2.0	e2.0	2.6	2.8	3.5	2.7	e1.6	.99	e1.2	.90
18	2.6	3.2	e2.0	e2.0	2.6	3.1	3.3	2.7	e1.5	1.2	e1.1	.92
19	2.2	3.2	e2.2	e2.0	2.5	3.6	3.2	2.6	e1.4	.97	e1.1	.84
20	2.1	3.0	e2.2	e2.3	2.3	4.2	3.2	2.6	e1.3	.88	e1.2	.80
21	2.1	2.8	e2.5	e2.8	2.3	4.4	3.1	2.5	e1.3	.83	e1.2	.79
22	2.0	2.6	e2.5	e2.8	2.4	4.7	3.5	2.4	e1.3	.80	e1.2	.83
23	2.0	2.5	e2.2	e2.9	2.4	4.6	3.2	2.4	e1.4	.77	e1.3	.84
24	1.9	2.4	e2.2	3.0	2.5	4.5	3.2	2.5	e1.4	.75	e1.3	.82
25	2.0	2.3	e2.2	3.0	2.7	4.3	3.1	2.4	e1.5	.73	e1.5	.80
26	2.0	2.3	e2.4	2.8	2.6	4.1	3.1	2.3	e1.5	.71	1.5	.77
27	2.0	2.2	e2.4	e2.8	2.5	3.9	3.5	2.2	e1.4	.69	1.6	.75
28	2.0	e2.0	e2.3	e2.8	2.6	3.9	4.0	2.3	e1.3	.71	1.5	.83
29	2.1	e2.0	e2.3	e2.8	---	3.9	4.5	3.1	e1.5	.70	1.7	1.0
30	2.2	e2.0	e2.0	e2.3	---	3.8	4.9	2.6	e1.6	.70	1.7	.92
31	2.2	---	e2.0	e2.1	---	3.6	---	2.3	---	.73	1.5	---
TOTAL	51.31	105.3	63.1	72.8	70.8	109.1	104.7	99.5	47.9	28.19	34.28	29.18
MEAN	1.66	3.51	2.04	2.35	2.53	3.52	3.49	3.21	1.60	.91	1.11	.97
MAX	3.2	11	2.5	3.0	2.9	4.7	4.9	5.1	2.2	1.4	1.7	1.6
MIN	.80	2.0	1.6	1.8	2.2	2.6	3.1	2.2	1.3	.69	.67	.75
AC-FT	102	209	125	144	140	216	208	197	95	56	68	58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1995, BY WATER YEAR (WY)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	1.37	1.78	1.48	1.31	1.53	3.38	6.21	4.10	1.66	1.26	1.45	1.50	
MAX	2.53	5.04	3.10	2.35	2.53	7.29	16.6	11.0	3.98	4.40	3.97	3.75	
(WY)	1986	1987	1987	1995	1995	1987	1985	1985	1986	1986	1991	1991	
MIN	.74	.95	.78	.75	.60	1.14	2.37	1.12	.62	.58	.63	.59	
(WY)	1993	1990	1990	1990	1990	1990	1990	1989	1990	1990	1984	1984	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1983 - 1995

ANNUAL TOTAL	627.86	816.16	
ANNUAL MEAN	1.72	2.24	2.22
HIGHEST ANNUAL MEAN			4.49
LOWEST ANNUAL MEAN			1.09
HIGHEST DAILY MEAN	11	Nov 13	33
LOWEST DAILY MEAN	.45	Jul 17	.15
ANNUAL SEVEN-DAY MINIMUM	.49	Jul 3	.71
INSTANTANEOUS PEAK FLOW			13
INSTANTANEOUS PEAK STAGE			2.29
ANNUAL RUNOFF (AC-FT)	1250	1620	1610
10 PERCENT EXCEEDS	2.9	3.6	4.1
50 PERCENT EXCEEDS	1.4	2.2	1.4
90 PERCENT EXCEEDS	.78	.84	.75

e Estimated

a-Site and datum then in use.

b-From rating curve extended above 20 ft³/s, on basis of slope-area measurements at gage height 3.88, 5.02 ft and 6.34. Maximum discharge prior to the forest fire of June 1977 was 19 ft³/s, June 18, 1965, gage height 1.49 ft; site and datum then in use, from rating curve extended above 7.6 ft³/s, on basis of theoretical rating.

RIO GRANDE BASIN

08315500 MCCLURE RESERVOIR NEAR SANTA FE, NM

LOCATION.--Lat 35°41'18", long 105°50'06", in NEWSM, sec.24, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 18022201, in Santa Fe National Forest, at McClure Dam on Santa Fe River, 2.1 mi upstream from Nichols Reservoir, 5.8 mi east of Santa Fe, and at mile 37.1.

DRAINAGE AREA.--17.4 mi².

PERIOD OF RECORD.--September 1929, July to October 1930, April 1931 to June 1946, September 1947 to current year. Prior to October 1947, published in WSP 1312. Prior to October 1965, monthend contents only. Prior to January 1980 at site on outlet tower.

GAGE.--Water-stage recorder. Elevation of gage is 7,790 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 1, 1947, nonrecording gages at same site and various datums all referred to the Public Service Co. of New Mexico assumed datum, 165.9 ft lower.

REMARKS.--Reservoir is formed by earthfill dam, completed in 1926, capacity, 561 acre-ft, raised 3 ft in 1935, capacity, 650 acre-ft, and raised 36.5 ft more in 1947, capacity, 2,615 acre-ft at gage height 96.6 ft, crest of concrete spillway. Between October 1947 and May 1953 varying amounts of sandbag bulkheads were placed on crest of spillway to increase capacity. Between May 1953 and December 1971 spillway was equipped with radial gates that opened automatically thereby increasing capacity to over 3,000 acre-ft. Radial gates were removed during 1972, capacity, 2,615 acre-ft. In 1995, modifications to the dam and spillway increased capacity to 3,257 acre-ft. Only the storage of Rio Grande water in excess of 1,061 acre-ft is subject to terms of the Rio Grande Compact. No dead storage. Water is for municipal use of City of Santa Fe.

COOPERATION.--Capacity table and supplementary gage readings, provided by Public Service Co. of New Mexico.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 3,140 acre-ft, June 25, 1960, gage height, 103.7 ft; no contents Jan. 25 to May 8, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,280 acre-ft; June 18, elevation, 7,886.08 ft; June 18: minimum, 937 acre-ft, Oct. 13-14, gage height, 67.28.

Capacity table (gage height, in feet, and contents, in acre-feet)

(Based on survey by Public Service Co. of New Mexico in 1947)

Oct. 1 to Dec. 31

Jan. 1 to Sept. 30

60	668	70	1,050	7,860	1,504	7,880	2,825
80	1,550	90	2,160	7,870	2,115	7,879	3,597

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	1130	1720	1830	1940	2330	1750	2080	3270	3260	3230	2750
2	1150	1140	1730	1830	1940	2350	1750	2120	3270	3250	3230	2740
3	1130	1150	1740	1840	1950	2370	1750	2170	3270	3240	3230	2730
4	1110	1160	1740	1840	1950	2370	1750	2210	3270	3220	3220	2730
5	1090	1160	1750	1840	1960	2370	1750	2260	3270	3230	3220	2720
6	1070	1170	1760	1850	1970	2360	1750	2250	3270	3250	3210	2720
7	1050	1180	1770	1850	1980	2360	1750	2350	3270	3270	3180	2710
8	1030	1180	1780	1850	1990	2350	1750	2390	3270	3260	3120	2690
9	1010	1190	1790	1860	2000	2350	1750	2430	3270	3260	3060	2670
10	995	1190	1800	1860	2010	2340	1760	2470	3270	3260	3010	2650
11	976	1200	1800	1860	2020	2340	1770	2510	3270	3260	2950	2630
12	959	1230	1810	1860	2030	2340	1770	2560	3270	3260	2840	2610
13	937	1420	1820	1870	2040	2350	1780	2610	3270	3260	2850	2590
14	937	1480	1820	1870	2050	2330	1790	2670	3270	3260	2790	2570
15	941	1520	1830	1880	2060	2280	1800	2740	3270	3260	2760	2550
16	954	1560	1830	1880	2070	2200	1810	2750	3270	3260	2760	2530
17	980	1580	1840	1880	2080	2090	1820	2900	3270	3270	2760	2510
18	996	1600	1840	1890	2090	2000	1830	2960	3280	3260	2760	2500
19	1010	1620	1840	1890	2100	1910	1840	3030	3270	3260	2750	2470
20	1020	1630	1850	1890	2110	1830	1850	3090	3270	3260	2690	2450
21	1030	1650	1850	1900	2120	1780	1860	3160	3270	3260	2740	2430
22	1040	1660	1860	1900	2140	1770	1870	3240	3270	3260	2750	2410
23	1050	1670	1860	1910	2160	1750	1890	3270	3270	3260	2750	2390
24	1060	1680	1860	1910	2190	1730	1910	3260	3270	3260	2750	2380
25	1070	1690	1870	1910	2220	1730	1920	3260	3260	3260	2750	2350
26	1090	1690	1870	1920	2240	1720	1940	3260	3260	3250	2760	2330
27	1090	1700	1870	1920	2270	1730	1950	3260	3260	3250	2760	2320
28	1100	1710	1870	1920	2300	1740	1970	3260	3260	3250	2760	2300
29	1110	1710	1880	1930	---	1740	2000	3260	3260	3240	2750	2290
30	1120	1720	1880	1930	---	1750	2040	3200	3260	3240	2750	2270
31	1130	---	1880	1930	---	1750	---	3260	---	3230	2750	---
MAX	1170	1720	1880	1930	2300	2370	2040	3270	3280	3270	3230	2750
MIN	937	1130	1720	1830	1940	1720	1750	2080	3260	3220	2690	2270
(†)	71.57	82.71	85.49	7867.14	7872.74	7864.17	7868.78	7885.86	7885.83	7885.38	7877.05	7872.31
(††)	-60	+590	+160	+50	+370	-550	+290	+1220	0	-30	-480	-480

CAL YR 1994 MAX 2860 MIN 937 (††) +40

WTR YR 1995 MAX 3280 MIN 937 (††) +1080

(†) GAGE HEIGHT, IN FEET, AT END OF MONTH (OCT TO DEC), ELEVATION IN FEET, AT END OF MONTH (JAN-SEPT).
(††) CHANGE IN CONTENTS, IN ACRE-FEET

RIO GRANDE BASIN

08316000 SANTA FE RIVER NEAR SANTA FE, NM

LOCATION.--Lat 35°41'12", Long 105°50'35", in NE¼SE¼ sec.23, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, on left bank 0.4 mi downstream from McClure Dam, 5.3 mi east of Santa Fe, and at mile 36.6.

DRAINAGE AREA.--18.2 mi².

PERIOD OF RECORD.--June 1910, January 1913 to current year. Monthly discharge only for some periods, published in WSP 1312. Prior to October 1953, published as "Santa Fe Creek near Santa Fe."

REVISED RECORDS.--WSP 1512: 1933, 1936-37(M), 1942, drainage area. WSP 1732: 1923, 1925. WDR NM-75-1: 1927.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,720 ft above National Geodetic Vertical Datum of 1929, from topographic map. See WSP 1312 for history of changes prior to Oct. 1, 1947.

REMARKS.--Records good. Flow regulated by McClure Reservoir (station 08315500), completed in 1926, raised in 1935 1947, and again in 1989. Several observations of water temperature were made during year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Peaks which probably exceeded 1,000 ft³/s occurred Aug. 19, 1872, and Sept. 29 or 30, 1904. Without regulation the flood of Sept. 23, 1929, might have exceeded 1,500 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	.91	.99	1.0	1.1	1.4	6.7	.50	40	22	4.5	4.2
2	11	.91	.99	1.0	1.1	1.4	6.7	.50	41	22	4.4	4.2
3	11	.91	.99	1.0	1.1	1.4	6.7	.59	44	22	4.4	4.2
4	10	.91	.99	1.0	1.1	8.3	6.7	.71	47	22	4.4	4.2
5	10	.91	1.1	1.0	1.1	14	6.7	.65	51	12	4.4	4.2
6	10	.95	1.2	1.0	1.1	14	6.8	.59	58	4.3	4.4	4.2
7	10	.99	1.2	1.0	1.2	14	6.9	.60	63	6.2	18	7.8
8	10	.99	1.1	1.0	1.2	14	6.7	.68	62	11	31	11
9	10	.99	1.1	1.0	1.2	14	6.7	.68	58	11	30	11
10	9.8	.99	1.1	1.0	1.2	14	6.9	.68	52	9.3	30	11
11	9.9	1.1	1.1	1.0	1.2	14	6.9	.68	48	8.8	29	12
12	9.9	3.0	1.1	1.0	1.2	14	7.0	.68	48	8.1	29	12
13	9.8	2.6	1.1	1.0	1.2	14	7.0	.68	51	7.7	29	12
14	9.8	1.8	1.1	1.0	1.2	23	7.0	.68	53	6.9	29	12
15	6.7	1.4	1.1	1.0	1.3	37	7.0	.68	55	7.3	15	12
16	1.2	1.3	1.1	1.0	1.2	53	7.0	.68	54	7.2	4.0	12
17	1.4	1.2	1.1	1.0	1.2	62	7.0	.69	64	7.1	4.0	12
18	1.0	1.3	1.0	1.0	1.2	71	7.2	.68	94	7.1	4.0	11
19	.92	1.2	.99	1.0	1.2	74	7.3	.68	74	7.3	4.0	11
20	.90	1.2	.99	1.1	1.3	71	6.4	.68	65	5.7	4.0	11
21	.82	1.2	.99	1.1	1.3	55	6.1	.68	56	5.1	4.0	11
22	.82	1.2	1.1	1.1	1.4	33	3.1	1.2	49	4.8	4.1	11
23	.82	1.1	1.2	1.1	1.5	33	1.4	35	47	4.5	4.1	11
24	.82	1.1	1.1	1.1	1.5	29	1.4	52	42	4.4	4.1	11
25	.82	1.1	1.1	1.1	1.5	19	1.4	43	37	4.4	4.1	11
26	.86	1.1	1.1	1.1	1.5	19	1.4	40	32	4.4	4.4	11
27	.91	1.0	1.1	1.1	1.5	12	.96	37	28	4.4	4.2	11
28	.91	.99	1.1	1.1	1.4	6.8	.50	37	26	4.5	4.2	11
29	.91	.99	1.1	1.1	---	6.7	.50	41	24	4.5	4.2	11
30	.91	.99	1.1	1.1	---	6.7	.50	39	23	4.5	4.2	11
31	.91	---	1.1	1.1	---	6.7	---	39	---	4.5	4.2	---
TOTAL	163.83	36.33	33.53	32.2	35.2	756.4	154.56	377.87	1486	265.0	332.3	293.0
MEAN	5.28	1.21	1.08	1.04	1.26	24.4	5.15	12.2	49.5	8.55	10.7	9.77
MAX	11	3.0	1.2	1.1	1.5	74	7.3	52	94	22	31	12
MIN	.82	.91	.99	1.0	1.1	1.4	.50	.50	23	4.3	4.0	4.2
AC-FT	325	72	67	64	70	1500	307	750	2950	526	659	581

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1995, BY WATER YEAR (WY)

	MEAN	4.66	3.03	2.60	2.42	2.73	4.96	12.7	23.5	17.7	9.43	8.52	6.73
MAX	22.6	13.5	7.19	6.87	14.2	30.0	68.5	92.9	75.2	56.2	74.0	36.0	
(WY)	1942	1942	1959	1970	1916	1916	1915	1941	1921	1919	1921	1929	
MIN	.58	.26	.28	.50	.37	.34	.23	.53	.70	1.06	.81	.90	
(WY)	1957	1972	1944	1990	1927	1972	1981	1955	1955	1981	1951	1959	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1913 - 1995
ANNUAL TOTAL	3782.39	3966.22	
ANNUAL MEAN	10.4	10.9	8.25
HIGHEST ANNUAL MEAN			26.2
LOWEST ANNUAL MEAN			1.88
HIGHEST DAILY MEAN	77 May 14	94 Jun 18	378 Sep 23 1929
LOWEST DAILY MEAN	.82 Oct 21	.50 Apr 28	.10 Feb 7 1927
ANNUAL SEVEN-DAY MINIMUM	.84 Oct 20	.54 Apr 28	.17 Nov 4 1971
INSTANTANEOUS PEAK FLOW		119 Jun 18	b1500 Aug 14 1921
INSTANTANEOUS PEAK STAGE		3.45 Jun 18	a5.17 Aug 14 1921
INSTANTANEOUS LOW FLOW		.22 May 3	.05 Apr 7 1981
ANNUAL RUNOFF (AC-FT)	7500	7870	5980
10 PERCENT EXCEEDS	20	38	19
50 PERCENT EXCEEDS	4.2	4.2	4.2
90 PERCENT EXCEEDS	1.1	.91	1.0

a-Site and datum then in use.

b-From rating curve extended above 150 ft³/s.

RIO GRANDE BASIN

08316500 NICHOLS RESERVOIR NEAR SANTA FE, NM

LOCATION.--Lat 35°41'24", long 105°52'46", in SE¼NE¼ sec.21, T.17 N., R.10 E., Santa Fe County, Hydrologic Unit 13020201, in Santa Fe National Forest, at Nichols Dam on Santa Fe River, 0.6 mi east of Twomile Reservoir, 3.3 mi east of Santa Fe, and at mile 34.4.

DRAINAGE AREA.--22.8 mi².

PERIOD OF RECORD.--March 1943 to September 1965 (monthend contents only), October 1965 to current year. Prior to January 1980 at site on outlet tower.

GAGE.--Water-stage recorder. Datum of gage is 7,313.2 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by earthfill dam. No contents prior to Mar. 16, 1943. Capacity, 685 acre-ft between gage heights 121.2 ft, bottom of lower operational gate and 167.0 ft, crest of spillway. Dead storage, 14 acre-ft. Water is for municipal use of City of Santa Fe.

COOPERATION.--Survey to compute capacity table and supplementary gage readings, provided by Public Service Co. of New Mexico.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 836 acre-ft, June 8, 1952, gage height, 171.8 ft; minimum, 16 acre-ft, Feb. 11 to Mar. 10, 1944, Feb. 1-19, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 699 acre-ft, June 17; maximum gage height, 167.46 ft; minimum, 198 acre-ft, Aug. 5, gage height, 144.72

Capacity table (gage height, in feet, and contents, in acre-feet)

(Based on survey by Public Service Co. of New Mexico in 1943)

133	74	150	279
135	89	160	491
140	139	170	776

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	463	541	589	600	556	441	683	561	693	691	290	325
2	468	533	588	599	549	439	682	554	693	691	268	307
3	472	528	588	599	542	450	680	543	693	690	248	292
4	476	526	588	599	534	476	679	530	694	681	223	279
5	484	524	590	594	528	504	678	520	695	661	198	260
6	494	522	592	598	521	535	676	508	694	643	203	256
7	505	520	594	598	514	563	674	496	693	636	238	260
8	516	518	595	597	508	589	672	490	693	628	265	268
9	525	516	596	597	501	614	674	483	692	618	289	289
10	535	517	597	596	495	639	672	467	692	607	319	309
11	544	545	597	596	489	664	675	452	692	594	344	325
12	553	566	598	595	483	688	675	439	692	582	379	331
13	567	577	598	595	478	694	677	422	692	567	425	341
14	575	583	598	594	475	694	681	401	693	553	444	351
15	570	588	598	594	470	698	684	376	692	547	438	359
16	572	590	598	588	466	698	686	358	695	547	428	366
17	573	591	598	593	462	697	687	345	699	547	427	375
18	574	593	598	593	458	697	687	327	698	556	417	386
19	573	594	598	592	454	697	687	307	697	551	407	393
20	572	594	598	592	450	693	686	285	695	545	396	403
21	571	594	599	562	448	693	682	262	694	530	380	413
22	570	594	601	591	447	693	673	285	692	514	370	419
23	568	593	601	591	447	690	666	356	691	494	373	426
24	567	595	601	589	446	690	660	411	693	472	370	435
25	565	595	603	586	446	690	648	468	691	450	361	444
26	564	590	603	582	445	687	632	512	691	427	357	446
27	562	583	602	578	444	683	613	563	690	404	353	457
28	560	578	601	574	443	683	596	627	691	378	352	471
29	558	590	601	570	---	685	580	690	692	356	345	487
30	555	589	600	565	---	684	570	693	692	337	338	500
31	550	---	600	561	---	683	---	693	---	312	334	---
MAX	575	595	603	600	556	698	687	693	699	691	444	500
MIN	463	516	588	561	443	439	570	262	690	312	198	256
(†)	162.19	163.67	164.07	162.61	157.92	166.93	162.94	167.24	167.21	151.70	152.85	160.35
(††)	+86	+39	+11	-39	-118	+240	-113	+123	-1	-380	+22	+166

CAL YR 1994 MAX 696 MIN 311 (††) +25
WTR YR 1995 MAX 699 MIN 198 (††) +36

(†) GAGE HEIGHT, IN FEET, AT END OF MONTH
(††) CHANGE IN CONTENTS, IN ACRE-FEET

RIO GRANDE BASIN
08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM

LOCATION.--Lat 35°32'49", long 106°13'41", in NW¼ sec.8, T.15 N., R.7 E., Santa Fe County, Hydrologic Unit 13020201 in Mesita de Juana Lopez Grant, on right bank at foot of La Bajada Hill, 5.0 mi upstream from Cochiti Dam, 6.3 mi east of Pena Blanca, and at mile 7.9.

DRAINAGE AREA.--231 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,505 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Surface-and ground-water diversions and returns for municipal supply of City of Santa Fe in upper part of basin. Diversions for irrigation of about 400 acres upstream from station. See tabulation below for the results of discharge measurements made during year at point adjacent to gage of an unnamed ditch on right bank which diverts water 0.4 mi upstream and bypasses gage; ditch flow not included in record. Lowest flow for period of record, no flow July 16-18, 1971.

DISCHARGE MEASUREMENTS, IN CUBIC FEET PER SECOND, OF DITCH, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

Date	Discharge	Date	Discharge
10/27/94	.35	05/31/95	.03
11/28/94	0	07/06/95	.52
05/04/95	.87		

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	12	13	14	11	13	e15	9.3	29	30	3.5	e10
2	6.2	13	13	14	11	14	e14	9.2	29	29	4.8	e9.8
3	6.8	13	13	14	11	15	e14	8.4	29	e22	4.0	e9.4
4	6.6	13	13	14	11	14	e13	10	31	e17	4.4	e9.4
5	5.6	13	14	14	11	13	e13	11	33	e14	4.8	e9.4
6	5.5	13	21	13	11	13	e13	11	35	e10	5.3	e9.5
7	5.3	12	17	13	11	13	e12	10	37	8.1	5.5	e10
8	8.2	13	16	14	12	12	e12	10	38	7.2	5.5	23
9	7.4	13	15	14	12	12	e12	8.6	33	6.2	5.7	e13
10	7.6	11	15	13	12	13	e12	6.9	35	6.0	6.5	e12
11	8.5	15	15	13	12	12	e11	8.9	33	4.8	4.6	e11
12	7.8	75	15	13	12	12	11	8.5	32	4.3	5.0	10
13	7.5	19	15	13	13	12	10	8.2	31	4.2	4.7	9.2
14	8.4	15	15	13	13	12	12	8.7	33	4.9	6.1	8.6
15	55	14	16	13	20	35	13	8.3	32	5.9	5.5	9.0
16	14	14	16	14	14	47	12	8.0	33	6.0	15	9.5
17	29	14	16	14	13	61	11	6.9	37	7.8	9.7	9.0
18	13	14	15	13	13	62	10	8.2	72	7.8	9.5	9.6
19	12	14	16	13	14	60	11	8.7	69	12	7.1	11
20	11	14	15	13	14	58	12	6.6	63	7.5	17	8.8
21	12	14	15	13	14	59	11	7.9	53	7.4	9.3	8.9
22	12	13	15	13	14	38	14	7.2	43	5.1	22	8.7
23	13	14	16	13	13	37	14	6.3	35	6.6	21	8.9
24	13	14	16	13	13	41	12	8.7	34	5.8	43	9.8
25	12	12	14	13	13	26	11	9.1	28	5.4	12	10
26	12	13	14	13	13	23	10	7.7	28	4.4	14	8.9
27	12	13	15	13	13	23	8.9	6.8	24	3.6	13	7.2
28	13	13	15	13	13	18	10	8.7	20	4.5	12	13
29	12	13	15	13	---	e17	9.7	21	71	4.7	17	11
30	12	13	16	12	---	e16	9.2	19	47	4.4	15	8.9
31	12	---	16	12	---	e15	---	17	---	5.6	e11	---
TOTAL	366.5	466	471	410	357	816	352.8	294.8	1147	272.2	323.5	306.5
MEAN	11.8	15.5	15.2	13.2	12.7	26.3	11.8	9.51	38.2	8.78	10.4	10.2
MAX	55	75	21	14	20	62	15	21	72	30	43	23
MIN	5.3	11	13	12	11	12	8.9	6.3	20	3.6	3.5	7.2
AC-FT	727	924	934	813	708	1620	700	585	2280	540	642	608

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	7.65	9.01	10.0	9.93	10.1	11.0	21.7	18.8	15.0	8.12	7.51	7.81														
MAX	16.4	15.5	15.2	14.4	16.6	28.6	306	69.3	75.3	28.0	32.8	19.2														
(WY)	1986	1995	1995	1986	1992	1992	1992	1973	1979	1971	1991	1990														
MIN	3.98	5.53	6.84	6.51	7.17	6.15	3.64	1.60	1.19	2.29	2.14	2.61														
(WY)	1980	1980	1971	1971	1971	1971	1971	1970	1971	1980	1971	1970														

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1970 - 1995
ANNUAL TOTAL	4630.6	5583.3	
ANNUAL MEAN	12.7	15.3	11.6
HIGHEST ANNUAL MEAN			40.1
LOWEST ANNUAL MEAN			6.09
HIGHEST DAILY MEAN	98 May 25	75 Nov 12	1000 Apr 17 1992
LOWEST DAILY MEAN	1.3 Jul 12	3.5 Aug 1	.00 Jul 16 1971
ANNUAL SEVEN-DAY MINIMUM	2.2 Jul 7	4.4 Jul 26	.01 Jul 12 1971
INSTANTANEOUS PEAK FLOW		699 Jun 29	a11400 Jul 26 1971
INSTANTANEOUS PEAK STAGE		3.55 Jun 29	9.58 Jul 26 1971
INSTANTANEOUS LOW FLOW		.71 Oct 7	.00 Jul 16 1971
ANNUAL RUNOFF (AC-FT)	9180	11070	8380
10 PERCENT EXCEEDS	17	30	16
50 PERCENT EXCEEDS	9.3	13	8.0
90 PERCENT EXCEEDS	4.9	6.3	2.8

e Estimated

a-From rating curve extended above 160 ft³/s on basis of slope-area measurements at gage heights 5.69 ft and 9.58 ft.

RIO GRANDE BASIN
08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM -- Continued
WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1979, 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
OCT 1994												
07...	0900	5.9	638	8.5	--	9.0	626	9.2	98	--	150	0
NOV												
17...	0945	14	702	8.6	5.0	4.5	621	10.0	95	--	170	0
DEC												
02...	1015	10	713	8.4	5.0	1.5	625	11.4	100	19	160	0
JAN 1995												
12...	0815	14	656	8.5	4.0	4.0	623	10.5	99	--	150	0
FEB												
02...	0930	9.3	663	8.0	8.0	3.0	626	11.3	102	--	140	0
MAR												
21...	1045	62	192	8.1	18.5	8.5	622	9.9	103	--	63	0
APR												
13...	0930	10	600	8.6	15.5	9.0	629	10.2	107	--	120	0
MAY												
12...	0800	10	684	8.6	13.0	11.0	615	9.1	103	18	140	0
JUN												
07...	1100	35	208	8.2	25.5	16.0	620	8.0	100	--	60	0
28...	1310	18	307	8.1	30.0	23.0	625	6.6	95	--	--	--
29...	0930	20	386	8.4	21.5	16.5	626	7.8	97	--	--	--
29...	1300	17	334	8.4	26.5	22.0	626	7.0	98	--	--	--
JUL												
06...	0945	10	606	8.7	25.0	17.0	630	7.9	99	--	130	0
13...	1000	4.7	656	8.6	26.5	19.5	625	7.6	101	--	--	--
AUG												
02...	0915	5.6	642	8.6	19.0	21.5	627	7.9	110	--	120	0
SEP												
06...	0815	9.5	685	8.6	20.5	16.0	628	8.1	100	--	130	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 1994												
07...	48	6.2	80	3	10	246	8	--	215	221	36	48
NOV												
17...	53	8.3	89	3	10	297	12	--	263	266	40	44
DEC												
02...	50	7.6	90	3	10	346	7	--	294	269	39	44
JAN 1995												
12...	47	7.0	80	3	9.4	270	9	--	236	239	38	44
FEB												
02...	46	7.0	75	3	7.8	284	0	--	233	216	38	46
MAR												
21...	20	3.2	14	0.8	2.7	82	0	--	68	76	12	8.2
APR												
13...	38	6.6	71	3	9.3	202	5	--	174	180	44	51
MAY												
12...	43	7.9	87	3	10	261	8	--	228	234	42	47
JUN												
07...	19	3.0	17	1	2.8	85	0	--	70	86	12	8.9
28...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	152	4	130	131	--	--	--
29...	--	--	--	--	--	138	0	110	113	--	--	--
JUL												
06...	42	6.6	73	3	8.6	232	8	--	203	210	35	38
13...	--	--	--	--	--	218	16	200	205	--	--	--
AUG												
02...	36	6.1	78	3	11	211	0	--	191	196	35	53
SEP												
06...	41	6.5	97	4	12	261	9	--	226	241	36	48

RIO GRANDE BASIN

08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 1994												
07...	0.80	26	390	395	--	<0.010	2.20	<0.015	--	0.50	0.60	0.480
NOV												
17...	0.60	28	447	444	1.48	0.120	1.60	0.360	0.54	1.1	0.90	1.90
DEC												
02...	0.70	28	459	459	1.48	0.120	1.60	0.270	0.53	0.90	0.80	1.60
JAN 1995												
12...	0.60	25	421	403	1.72	0.080	1.80	0.090	0.51	0.90	0.60	0.650
FEB												
02...	0.70	23	402	395	1.86	0.140	2.00	0.360	0.64	1.4	1.0	0.810
MAR												
21...	0.30	15	138	117	0.110	0.010	0.120	0.060	0.24	1.0	0.30	0.680
APR												
13...	0.70	23	369	362	1.93	0.170	2.10	0.160	0.74	1.0	0.90	1.50
MAY												
12...	0.70	26	429	413	1.37	0.030	1.40	0.020	0.58	0.80	0.60	2.50
JUN												
07...	0.30	15	139	122	--	<0.010	0.130	0.030	0.17	0.30	0.20	0.390
28...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
06...	0.60	24	383	361	1.07	0.030	1.10	0.040	0.46	0.70	0.50	1.90
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
02...	0.70	22	399	361	1.03	0.070	1.10	0.070	0.83	1.2	0.90	3.20
SEP												
06...	0.70	29	436	422	1.48	0.020	1.50	0.020	0.68	0.90	0.70	2.70

DATE	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
OCT 1994												
07...	0.490	0.510	--	--	--	--	--	--	--	--	--	--
NOV												
17...	1.90	1.80	--	--	--	--	--	--	--	--	--	--
DEC												
02...	1.50	1.50	7.2	--	--	--	5	3	--	--	--	<1
JAN 1995												
12...	0.570	0.570	--	--	--	--	--	--	--	--	--	--
FEB												
02...	0.690	0.660	--	--	--	--	--	--	--	--	200	--
MAR												
21...	0.150	0.140	--	--	--	--	--	--	--	--	--	--
APR												
13...	1.50	1.50	--	--	--	--	--	--	--	--	--	--
MAY												
12...	2.40	2.10	12	--	--	--	5	5	--	--	230	<1
JUN												
07...	0.310	0.320	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
06...	2.00	1.90	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
02...	3.10	3.30	--	6.9	50	<1	--	4	66	<1	250	--
SEP												
06...	2.60	2.60	--	5.6	--	--	--	--	--	--	--	--

RIO GRANDE BASIN

08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
OCT 1994											
07...	--	--	--	--	--	--	32	--	--	6	--
NOV											
17...	--	--	--	--	--	--	29	--	--	8	--
DEC											
02...	<1.0	1	<1	--	22	4	25	3	2	12	<0.10
JAN 1995											
12...	--	--	--	--	--	--	39	--	--	15	--
FEB											
02...	--	--	--	--	--	--	34	--	--	19	--
MAR											
21...	--	--	--	--	--	--	360	--	--	19	--
APR											
13...	--	--	--	--	--	--	34	--	--	16	--
MAY											
12...	<1.0	1	<1	--	5	3	24	3	2	17	<0.10
JUN											
07...	--	--	--	--	--	--	430	--	--	16	--
28...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
JUL											
06...	--	--	--	--	--	--	22	--	--	9	--
13...	--	--	--	--	--	--	--	--	--	--	--
AUG											
02...	<1.0	--	2	<1	--	6	28	--	3	8	--
SEP											
06...	--	--	--	--	--	--	27	--	--	4	--

[illegible]

RIO GRANDE BASIN

08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	
OCT 1994													
07...	0900	--	--	--	--	--	--	--	--	--	--	--	
NOV													
17...	0945	--	--	--	--	--	--	--	--	--	--	--	
DEC													
02...	1015	--	--	--	--	--	--	--	--	--	--	--	
JAN 1995													
12...	0815	--	--	--	--	--	--	--	--	--	--	--	
FEB													
02...	0930	--	--	--	--	--	--	--	--	--	--	--	
MAR													
21...	1045	--	--	--	--	--	--	--	--	--	--	--	
APR													
13...	0930	--	--	--	--	--	--	--	--	--	--	--	
MAY													
12...	0800	--	--	--	--	--	--	--	--	--	--	--	
JUN													
07...	1100	<0.007	<0.002	<0.005	E0.005	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	0.009	
29...	0930	--	--	--	--	--	--	--	--	--	--	--	
29...	1300	--	--	--	--	--	--	--	--	--	--	--	
JUL													
06...	0945	<0.007	<0.002	<0.005	0.039	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004	
13...	1000	--	--	--	--	--	--	--	--	--	--	--	
AUG													
02...	0915	<0.007	<0.002	0.006	E0.009	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	0.011	
SEP													
06...	0815	<0.007	<0.002	0.006	E0.012	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	0.040	
DATE		DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
07...	<0.001	<0.002	<0.005	<0.004	0.009	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004	
29...	--	--	--	--	--	--	--	--	--	--	--	--	
29...	--	--	--	--	--	--	--	--	--	--	--	--	
JUL													
06...	<0.001	<0.002	<0.005	<0.004	0.023	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004	
13...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG													
02...	<0.001	<0.002	<0.005	<0.004	0.022	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004	
SEP													
06...	<0.001	<0.002	<0.005	<0.004	0.21	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004	

RIO GRANDE BASIN

08317200 SANTA FE RIVER ABOVE COCHITI LAKE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
07...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
02...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
02...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
07...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
06...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
02...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
SEP												
06...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
07...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
17...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
02...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
02...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
21...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
07...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
29...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
06...	<0.003	<0.017	<0.001	<0.004	E0.026	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
13...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
02...	<0.003	<0.017	<0.001	<0.004	E0.036	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
SEP												
06...	<0.012	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

RIO GRANDE BASIN

08317300 COCHITI LAKE NEAR COCHITI PUEBLO, NM

LOCATION.--Lat 35°37'01", Long 106°18'58", in NW¼ sec.16, T.16 N., R.6 E., Sandoval County, Hydrologic Unit 13020201, in Pueblo de Cochiti Grant, in control tower at Cochiti Dam, 1.7 mi northeast of Cochiti Pueblo, and at mile 1,588.1.

DRAINAGE AREA.--14,900 mi² approximately, including 2,940 mi², in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 15, 1975, at site 1.3 mi upstream at same datum.

REMARKS.--Lake is formed by an earthfill dam on Rio Grande and Santa Fe River. Storage began on Nov. 12, 1973. Capacity, based on capacity table effective Jan. 1, 1992, 502,330 acre-ft between elevations 5,247.0 ft and 5,450.0 ft, crest of service spillway. Dead storage 560 acre-ft below elevation 5,255.0 ft, invert of outlet structure. Lake was created primarily for flood and sediment control. A 50,000-acre-ft permanent pool is authorized for recreational purposes. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 301,000 acre-ft, July 3, 1986, elevation, 5,417.32 ft; no storage prior to Nov. 12, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 131,810 acre-ft, July 11, elevation, 5,375.46 ft; minimum, 53,290 acre-ft, Oct. 7, elevation, 5,337.83 ft.

Capacity table (elevation, in feet, and contents, in acre-feet)

(Based on survey by Corps of Engineers in 1992)

5,325	39,108	5,365	103,870
5,335	49,770	5,375	130,480
5,345	63,520	5,385	101,300
5,355	81,310	5,395	196,280

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53310	54180	54150	54680	54790	54410	55220	55050	56910	101070	56540	55510
2	53470	54370	54070	54640	54930	54590	54970	54750	56780	103630	55980	55600
3	53620	54400	54150	54560	54930	54750	54900	55010	56840	106340	55700	55410
4	53690	54230	54250	54640	54790	54340	55070	54860	57160	110030	55800	55380
5	53580	54070	54150	54670	54780	54630	55220	54860	57800	114660	55840	55380
6	53370	54070	54120	54560	54810	54610	55270	54670	59070	119360	55800	55440
7	53290	54110	54210	54510	54830	54420	55160	54480	60460	123850	55660	55440
8	53470	54070	54150	54850	54860	54150	55240	54590	61760	127290	55530	55440
9	53800	54020	54310	54780	54830	54560	55230	54570	63490	129630	55410	55850
10	54070	54040	54110	54560	54720	54980	55130	54670	63980	131000	55240	55330
11	54340	54120	53920	54510	54720	54630	55380	54780	64680	131810	55220	55570
12	54180	54450	54080	54720	54780	54480	55230	54860	65130	131720	55400	55490
13	53990	54590	54370	55010	54750	54210	54900	54940	65260	130480	55630	55520
14	54150	54060	54370	55110	54750	53970	54920	54860	65280	128770	55800	55600
15	54480	53910	54120	55000	54720	54290	55110	55290	66250	127040	55740	55630
16	54310	54020	54060	54920	54520	54340	54700	54850	67590	124460	55570	55600
17	54290	53990	54150	55040	54420	54220	54640	54210	68790	121370	55570	55520
18	54310	54210	54230	54980	54450	54700	55000	54670	71690	117770	55480	55660
19	54510	54210	54310	54970	54860	55300	55070	55620	75080	113880	55440	55600
20	54750	54180	54310	55000	54810	55300	55120	56420	78980	109750	55440	55410
21	54860	54210	54310	54920	55050	55080	54890	55910	83160	105580	55470	55160
22	54810	54210	54450	54830	54810	55410	54890	55980	87140	101290	55530	55130
23	54510	54140	54610	54830	54530	55440	55190	55730	90270	96580	56040	55300
24	54210	54110	54720	54830	54510	55110	55050	54960	92360	91300	56320	55300
25	54100	54070	54780	54890	54660	55030	55070	54640	93670	85380	55990	55220
26	54180	54160	54720	54890	54700	55000	55110	54810	94590	79170	55930	55330
27	54270	54180	54610	54920	54510	55260	54970	54740	95640	73030	55990	55380
28	54290	54070	54550	54810	54530	55190	54920	54610	96690	67210	55570	55300
29	54290	54110	54630	54860	---	55160	54890	55480	97810	62210	55470	55310
30	54210	54150	54700	54860	---	55050	54940	56520	99310	58300	55490	55330
31	54160	---	54610	54780	---	55080	---	56770	---	56800	55350	---
MAX	54860	54590	54780	55110	55050	55440	55380	56770	99310	131810	56540	55850
MIN	53290	53910	53920	54510	54420	53970	54640	54210	56780	56800	55220	55130
(†)	5338.48	5338.47	5338.81	5338.93	5338.75	5339.15	5339.05	5340.37	5363.12	5340.39	5339.35	5339.33
(††)	+980	-10	+460	+170	-250	+550	-140	+1830	+42540	-42510	-1450	-20

CAL YR 1994 MAX 123190 MIN 51860 (††) +4410
WTR YR 1995 MAX 131810 MIN 53290 (††) -2150

(†) ELEVATION, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET.

RIO GRANDE BASIN

08317300 COCHITI LAKE NEAR COCHITI PUEBLO, NM -- Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected in Cochiti Lake impounded by Cochiti Dam on the Rio Grande.

PERIOD OF RECORD.--Water years 1981 to current year.

REMARKS.--Samples for chemical analyses are collected annually at Site A which is located 500 ft upstream from the Outlet Tower (Riser). Samples are collected 5 feet above the bottom of the lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	SAM- FLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG 1995												
25...	0930	1.00	81.0	--	--	--	24.0	630	6.8	--	--	--
25...	0932	5.00	81.0	342	7.9	--	23.5	630	6.2	89	--	--
25...	0934	10.0	81.0	--	--	--	10.0	630	6.1	--	--	--
25...	0936	15.0	81.0	--	--	--	23.5	630	6.0	--	--	--
25...	0938	20.0	81.0	--	--	--	23.5	630	5.9	--	--	--
25...	0940	25.0	81.0	--	--	--	23.0	630	5.0	--	--	--
25...	0942	30.0	81.0	344	7.5	--	22.5	630	3.2	45	--	--
25...	0944	35.0	81.0	--	--	--	22.0	630	3.0	--	--	--
25...	0946	40.0	81.0	--	--	--	22.0	630	3.0	--	--	--
25...	0948	45.0	81.0	--	--	--	22.0	630	2.5	--	--	--
25...	0950	50.0	81.0	--	--	--	22.0	630	2.6	--	--	--
25...	0952	55.0	81.0	--	--	--	21.5	630	1.5	--	--	--
25...	0954	60.0	81.0	--	--	--	21.5	630	1.5	--	--	--
25...	0956	65.0	81.0	--	--	--	21.0	630	0.2	--	--	--
25...	0958	70.0	81.0	--	--	--	21.0	630	0.1	--	--	--
25...	1000	75.0	81.0	348	7.2	22.5	21.0	630	0.1	1	14	K3
25...	1002	80.0	81.0	--	--	--	21.0	630	0.1	--	--	--

[illegible]

RIO GRANDE BASIN

08317300 COCHITI LAKE NEAR COCHITI PUEBLO, NM -- Continued

WATER-QUALITY RECORDS

COCHITI LAKE AT SITE A (Lat 35°38'11", Long 106°19'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
AUG 1995 25...	54	6.1	0.40	17	211	0.080	0.020	0.100	0.080	0.40	0.080	0.050
DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	
AUG 1995 25...	1.2	3	3	40	<1	<1.0	<1	1	1	<1	4	
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	
AUG 1995 25...	<1	<1	<0.10	<0.1	<1	<1	<10	6	2.0	85	1500	
DATE	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	
AUG 1995 25...	700	7	<1	10	10	20	10000	30	1100	0.03	70	

RIO GRANDE BASIN

08317950 GALISTEO CREEK BELOW GALISTEO DAM, NM

LOCATION.--Lat 35°27'53", long 106°12'49", in NE¼ sec.8, T.14 N., R.7 E., Santa Fe County, Hydrologic Unit 13626201, in Mesita de Juana Lopez Grant, on right bank 0.4 mi downstream from Galisteo Dam, 5.3 mi northwest of Cerrillos, and at mile 11.4.

DRAINAGE AREA.--597 mi².

PERIOD OF RECORD.--March 1970 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,450 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Dec. 21, 1981, at site 1,200 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Galisteo Reservoir 0.4 mi upstream. Diversions for irrigation of about 50 acres upstream from station. Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station. No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.00	e.00	e1.9	e1.0	e1.6	e2.0	1.5	.59	.00	2.6	22	.00
2	.00	e.00	e1.5	e1.0	e1.6	e2.4	e1.7	.81	.00	.00	.00	.00
3	.00	e.00	e1.2	e1.1	e1.5	e3.2	e1.6	.74	.00	.00	.00	.00
4	.00	e.00	e1.6	e1.1	e1.1	e2.3	e.53	.00	.00	.00	.00	.00
5	.00	e.00	e2.0	e1.1	e1.1	e2.6	1.9	.00	.00	.00	.00	.00
6	.00	e.00	e2.7	e1.2	e1.1	2.3	e1.7	.00	.00	.00	.00	.00
7	.00	e.00	e2.1	e1.2	e1.1	1.5	1.9	.00	.00	.00	.00	7.2
8	.00	e.00	e1.9	e1.2	e1.0	2.3	1.5	.00	.00	.00	.00	48
9	.00	e.00	e2.3	e1.3	e.86	e2.5	.84	.00	.00	.00	.00	1.6
10	.00	e.00	e3.0	e1.3	e.90	e2.9	1.2	.00	.00	.00	.00	20
11	.00	2.0	e2.6	e1.4	e1.0	e3.0	1.7	.00	.00	.00	.00	4.0
12	.00	51	e2.9	e1.4	e.90	e2.9	.61	.00	.00	.00	2.0	.00
13	.00	60	e2.3	e1.4	e.92	2.5	.60	.00	.00	.00	.00	.00
14	.00	25	e1.7	e1.4	e.90	1.2	1.0	.00	.00	.00	.00	.00
15	.00	14	e1.4	e1.5	e.88	.67	.83	.00	.00	.00	.00	.00
16	.00	13	e1.3	e1.5	e.86	1.1	.86	.00	.00	2.4	9.2	.00
17	.00	11	e1.1	e1.5	e.86	1.9	.75	.00	.00	11	44	.00
18	.61	8.1	e1.3	e1.4	e.84	1.4	.75	.00	.00	15	1.0	.00
19	1.6	6.4	e1.9	e1.4	e.84	1.3	1.8	.00	125	96	.00	.00
20	.39	5.2	e2.2	e1.6	e.90	.68	e2.0	.00	41	3.4	.00	.00
21	.18	4.7	e1.8	e1.6	e.90	.31	e2.4	.00	3.6	.00	.00	.00
22	e.05	4.2	e1.4	e1.6	e.92	.26	e2.8	.00	.00	.00	9.0	.00
23	e.00	e4.3	e1.5	e1.8	e.96	.34	2.9	.00	.00	.00	17	.00
24	e.00	e4.2	e1.4	e1.8	e.96	.28	2.1	.00	.00	.00	1.7	.00
25	e.00	e3.9	e1.4	e1.8	e.98	.28	e2.7	.00	.00	.00	.00	.00
26	e.50	e4.0	e1.8	e1.7	e1.0	.38	2.5	.00	.00	.00	21	.00
27	e.50	e3.3	e1.9	e1.7	e1.5	.32	3.7	.00	.00	.00	9.4	.00
28	e.05	e2.5	e1.6	e1.6	e1.8	.28	4.9	.00	.00	.00	30	.00
29	e.00	e1.8	e1.6	e1.6	---	.31	3.5	7.6	59	.00	5.0	.00
30	e.00	e2.3	e1.3	e1.5	---	.30	2.3	3.1	117	.00	.00	.00
31	e.00	---	e1.8	e1.5	---	1.2	---	.00	---	10	.00	---
TOTAL	3.88	230.90	56.4	44.2	29.78	44.91	55.07	12.84	345.60	140.40	171.30	80.80
MEAN	.13	7.70	1.82	1.43	1.06	1.45	1.84	.41	11.5	4.53	5.53	2.69
MAX	1.6	60	3.0	1.8	1.8	3.2	4.9	7.6	125	96	44	48
MIN	.00	.00	1.1	1.0	.84	.26	.53	.00	.00	.00	.00	.00
AC-FT	7.7	458	112	88	59	89	109	25	685	278	340	160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1970	4.60	28.9	.000	1982
1971	1.67	7.70	.000	1995
1972	1.52	6.55	.000	1987
1973	1.59	6.25	.000	1993
1974	2.20	11.6	.000	1993
1975	2.88	19.8	.000	1973
1976	3.04	23.8	.000	1985
1977	3.39	31.7	.000	1979
1978	5.56	29.5	.000	1971
1979	21.3	110	.000	1971
1980	15.5	55.7	.15	1987
1981	10.4	52.4	.000	1979

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1970 - 1995

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1970 - 1995
ANNUAL TOTAL	2691.05	1216.08	
ANNUAL MEAN	7.37	3.33	6.03
HIGHEST ANNUAL MEAN			12.8
LOWEST ANNUAL MEAN			1.28
HIGHEST DAILY MEAN	305	125	1170
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		900	a2000
INSTANTANEOUS PEAK STAGE		5.19	7.33
ANNUAL RUNOFF (AC-FT)	5340	2410	4370
10 PERCENT EXCEEDS	12	4.0	7.9
50 PERCENT EXCEEDS	1.5	.84	.51
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 1,400 ft³/s.

RIO GRANDE BASIN

08319000 RIO GRANDE AT SAN FELIPE, NM
(Surveillance network station)

LOCATION.--Lat 35°26'39", Long 106°26'23", in SW¼ sec.17, T.14 N., R.5 E., Sandoval County, Hydrologic Unit 13020201, in San Felipe Grant, on right bank 200 ft downstream from Tongue Arroyo, 1,700 ft upstream from steel highway bridge, 0.8 mi upstream from San Felipe Pueblo, 11 mi northeast of Bernalillo, and at mile 1,572.7.
DRAINAGE AREA.--16,100 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1312.
REVISED RECORDS.--WSP 1312: 1926-30, WSP 1392: 1937(M), WSP 1512: 1931-32, 1933(M), 1934-36, 1938(M).

GAGE.--Water-stage recorder. Datum of gage is 5,115.73 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 27, 1957, at site 1,800 ft downstream at datum 5.35 ft lower, except period May 16, 1945, to Sept. 30, 1946, when it was 5.94 ft lower than present datum.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Flow completely regulated since November 1973 by Cochiti Dam (station 08317300) 17 mi upstream. Prior to November 1973 some regulation of flow by El Vado Reservoir (station 08285000) and Abiquiu Reservoir (station 08286900). Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions for irrigation of about 705,000 acres upstream from station, some of which is irrigated downstream by Cochiti Eastside Main Canal and San Felipe eastside acequia, which bypass station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Other major floods occurred in 1874, 1884, and 1904.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	735	567	e900	1110	981	1710	1190	3520	5380	6050	1260	1090
2	860	486	e940	1070	976	1630	1290	3800	5320	6090	1200	1030
3	897	506	914	953	1040	1800	1270	4160	5290	6010	1040	1010
4	929	579	901	983	1100	1950	1130	4130	5300	5940	873	908
5	946	618	986	1050	1020	1680	1190	4070	5300	5920	1000	898
6	962	611	1100	954	1010	1590	1300	4540	5330	6060	1000	871
7	935	627	1050	1080	998	2050	1510	4770	5520	6110	1000	877
8	921	653	1130	1110	995	2160	1670	4430	5630	6100	976	1110
9	921	e700	1070	948	1030	1880	1820	4410	5560	6180	944	1170
10	921	e680	1090	1020	1080	1650	2050	4040	5570	6220	997	1180
11	921	e660	1080	1110	1040	1630	2070	4020	5650	6240	1030	932
12	908	e760	958	1020	1020	1500	2210	4030	5640	6280	1010	943
13	818	e1000	906	1030	1040	1480	2210	4060	5690	6370	1020	953
14	700	e1250	1010	925	1040	1420	2010	4100	5710	6130	1030	939
15	818	e1020	1160	1030	1120	1130	2100	3990	5690	5390	1120	959
16	935	e980	1100	1050	1310	1170	2520	4420	5730	5400	1120	1010
17	1020	e1000	981	1020	1540	1330	2680	5010	5740	5400	1150	1010
18	989	e1150	937	989	1720	1480	2490	5030	5790	5450	1100	922
19	688	e760	924	1000	1630	1570	2380	5140	5980	5640	1110	948
20	700	e720	956	1050	1370	1950	2060	5310	5750	5630	1120	996
21	700	e720	949	1110	1040	2110	2320	5740	5770	5620	1120	935
22	677	e760	894	1060	1230	2020	2190	5930	5830	5590	1090	919
23	794	e800	e872	1050	1200	2100	2370	6050	5890	5600	957	949
24	781	e820	e775	1070	1090	2310	2640	6440	5910	5580	981	1040
25	615	e810	e750	937	1020	2140	2540	6550	5950	5780	1210	1090
26	542	e780	e793	981	1100	2050	2840	6030	6000	5730	1240	1010
27	530	e800	e833	1110	1300	1820	3060	5670	5900	5660	1110	1010
28	521	e830	e910	1160	1640	1830	3170	5230	5860	5340	1210	1000
29	512	e780	e874	987	---	1760	3220	4960	6000	4490	1190	1030
30	516	e780	e890	1100	---	1470	3380	4370	6270	3760	1110	1060
31	510	---	e1110	1110	---	1220	---	4810	---	2490	1110	---
TOTAL	24222	23207	29743	32177	32680	53590	64880	148760	170950	174250	33428	29799
MEAN	781	774	959	1038	1167	1729	2163	4799	5698	5621	1078	993
MAX	1020	1250	1160	1160	1720	2310	3380	6550	6270	6370	1260	1180
MIN	510	486	750	925	976	1130	1130	3520	5290	2490	873	871
AC-FT	48040	46030	59000	63820	64820	106300	128700	295100	339100	345600	66300	59110
(+)	2030	0	0	0	0	2250	3730	4020	3900	3920	3590	3720
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1995, BY WATER YEAR (WY)												
MEAN	653	935	1021	912	1072	1418	2406	3545	3443	2060	1058	827
MAX	1370	2072	1969	2163	3695	3054	6126	6160	6534	5979	3667	1781
(WY)	1987	1987	1987	1986	1986	1986	1985	1985	1983	1979	1986	1986
MIN	289	389	500	462	552	546	378	521	746	565	596	206
(WY)	1975	1990	1978	1977	1977	1977	1977	1977	1989	1974	1978	1974
SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1974 - 1995												
ANNUAL TOTAL				673750				817686				
ANNUAL MEAN				1846				2240				
HIGHEST ANNUAL MEAN										a1613		
LOWEST ANNUAL MEAN										2493		
HIGHEST DAILY MEAN				6200	May 23				8100	May 7	1985	
LOWEST DAILY MEAN				486	Nov 2				67	Aug 28	1978	
ANNUAL SEVEN-DAY MINIMUM				517	Oct 28				135	Aug 23	1978	
INSTANTANEOUS PEAK FLOW							6950	Jun 30	b273000	May 26	1937	
INSTANTANEOUS PEAK STAGE							6.98	Jun 30	c11.13	Jun 26	1937	
INSTANTANEOUS LOW FLOW							486	Nov 2	32	Jul 7	1934	
ANNUAL RUNOFF (AC-FT)				1336000			1622000			1169000		
10 PERCENT EXCEEDS				5260			5730			3980		
50 PERCENT EXCEEDS				945			1110			990		
90 PERCENT EXCEEDS				730			794			451		

e Estimated

a-Average discharge for 48 years (water year 1926-1973), 1,374 ft³/s, 995,500 acre-ft/yr, prior to closure of Cochiti.

b-From rating curve extended above 15,000 ft³/s.

c-Site and datum then in use.

(+) MONTHLY DIVERSIONS, IN ACRE-FEET, OF COCHITI EASTSIDE CANAL, RECORDS OF THE FLOW FURNISHED BY MIDDLE RIO GRANDE CONSERVANCY DISTRICT.

RIO GRANDE BASIN
08319000 RIO GRANDE AT SAN FELIPE, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 1994												
11...	1100	E660	310	7.7	18.0	14.0	630	--	--	13	46	K26
24...	1400	796	343	7.6	--	12.5	630	9.6	109	--	--	--
FEB 1995												
02...	1245	976	350	8.4	15.5	4.0	635	12.1	111	11	K12	K1
07...	1100	987	334	8.7	--	4.0	623	11.2	105	--	--	--
MAY												
04...	1030	4280	283	7.6	--	13.0	631	9.5	109	--	--	--
31...	1215	5450	239	8.0	27.0	13.5	634	14.0	162	14	K75	230
AUG												
21...	1115	1100	370	7.8	--	21.0	635	7.2	98	--	--	--
31...	1345	1110	372	8.3	31.0	24.0	636	8.0	115	16	100	75

DATE	HARD- NESS TOTAL (MG/L CACO3) (00900)	HARD- NESS NONCARE DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH IT FIELD HCO3 (MG/L AS (00450)	BICAR- BONATE WATER WH IT FIELD HCO3 (MG/L AS (00453)	CAR- BONATE WATER WH IT FIELD CO3 (MG/L AS (00447)	CAR- BONATE WATER WH IT FIELD CO3 (MG/L AS (00452)
OCT 1994											
11...	140	30	42	7.4	20	0.7	2.7	--	129	--	0
24...	130	--	41	7.0	21	0.8	2.6	--	--	--	--
FEB 1995											
02...	--	--	--	--	--	--	--	--	132	--	6
07...	120	--	37	6.8	21	0.8	2.6	137	--	0	--
MAY											
04...	110	--	33	6.7	15	0.6	2.0	106	--	0	--
31...	88	13	27	5.1	11	0.5	2.1	--	92	--	0
AUG											
21...	120	--	35	8.2	24	0.9	3.3	140	--	0	--
31...	130	20	39	7.2	22	0.8	3.2	--	120	--	5

DATE	ALKA- LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT 1994											
11...	--	106	112	53	5.8	0.30	16	--	211	--	<0.010
24...	--	--	120	54	5.7	--	--	223	203	27	--
FEB 1995											
02...	--	118	--	--	--	--	--	--	--	--	<0.010
07...	112	--	118	42	7.6	--	--	213	184	6	--
MAY											
04...	87	--	89	47	4.0	--	--	187	160	84	--
31...	--	75	78	30	2.8	0.20	15	--	139	--	<0.010
AUG											
21...	115	--	113	57	6.4	--	--	216	203	100	--
31...	--	106	112	54	5.8	0.40	16	--	212	--	<0.010

RIO GRANDE BASIN

08319000 RIO GRANDE AT SAN FELIPE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CYANIDE TOTAL (MG/L AS CN) (00720)	CYANIDE DIS- SOLVED (MG/L AS CN) (00723)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)
OCT 1994											
11...	<0.050	0.030	<0.20	0.030	0.020	3.8	--	--	--	--	--
24...	--	--	--	--	--	--	<0.010	<0.01	520	10	<1
FEB 1995											
02...	<0.050	<0.015	<0.20	0.010	<0.010	3.3	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	170	20	<1
MAY											
04...	--	--	--	--	--	--	--	--	1400	20	<1
31...	0.080	0.020	0.20	0.030	0.020	5.3	--	--	--	--	--
AUG											
21...	--	--	--	--	--	--	--	--	1600	20	<1
31...	<0.050	<0.015	0.30	0.070	0.030	6.6	--	--	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
OCT 1994											
11...	2	3	--	--	40	<1	<1.0	<1	<1	--	6
24...	2	2	85	<1	--	--	<1.0	--	<1	<1	--
FEB 1995											
02...	--	--	--	--	--	--	--	--	--	--	--
07...	2	2	66	<1	--	--	<1.0	--	<1	<1	--
MAY											
04...	2	2	59	<1	--	--	<1.0	--	<1	<1	--
31...	--	--	--	--	20	--	--	--	--	--	--
AUG											
21...	2	2	70	<1	--	--	<1.0	--	<1	<1	--
31...	2	2	--	--	30	<1	<1.0	<1	<1	--	2

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
OCT 1994											
11...	3	550	1	<1	--	<0.10	<0.1	--	--	<1	<1
24...	1	--	--	<1	6	--	--	4	2	--	--
FEB 1995											
02...	--	--	--	--	--	--	--	--	--	--	--
07...	<1	--	--	<1	16	--	--	4	<1	--	--
MAY											
04...	1	--	--	<1	10	--	--	2	3	--	--
31...	--	70	--	--	--	--	--	--	--	--	--
AUG											
21...	1	--	--	<1	12	--	--	4	2	--	--
31...	1	9	1	<1	--	<0.10	<0.1	--	--	<1	<1

RIO GRANDE BASIN

08319000 RIO GRANDE AT SAN FELIPE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)
OCT 1994											
11...	--	--	10	6	<2.0	3.6	220	340	4	<1	5
24...	<1	<0.2	--	2	--	--	--	--	--	--	--
FEB 1995											
02...	--	--	--	--	--	--	--	--	--	--	--
07...	<1	<0.2	--	2	--	--	--	--	--	--	--
MAY											
04...	<1	<0.2	--	1	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
AUG											
21...	<1	<0.2	--	2	--	--	--	--	--	--	--
31...	--	--	<10	<3	--	--	--	--	--	--	--

DATE	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
11...	<5	8	6900	10	270	0.01	30	--	1220	--	2
24...	--	--	--	--	--	--	--	3.0	55	118	66
FEB 1995											
02...	--	--	--	--	--	--	--	--	804	2120	400
07...	--	--	--	--	--	--	--	3.0	29	77	60
MAY											
04...	--	--	--	--	--	--	--	2.0	165	1910	69
31...	--	--	--	--	--	--	--	--	104	1530	68
AUG											
21...	--	--	--	--	--	--	--	2.0	150	446	93
31...	--	--	--	--	--	--	--	--	61	183	83

RIO GRANDE BASIN

08323000 RIO GUADALUPE AT BOX CANYON, NEAR JEMEZ, NM

LOCATION.--Lat 35°43'52", Long 106°45'44", Sandoval County, Hydrologic Unit 13020202, in Canon de San Diego Grant, on left bank at downstream end of Guadalupe Box Canyon, 4.8 mi upstream from mouth, 5 mi southwest of Jemez Springs, and 7 mi north of Jemez.

DRAINAGE AREA.--235 mi².

PERIOD OF RECORD.--November 1938 to September 1942, August 1949 to September 1950 (monthly discharge only for November, December 1938 and August 1949 published in WSP 1312), May 1951 to September 1957 (irrigation seasons only), May 1958 to September 1976, July 1981 to current year. Prior to 1951 published as "08323500 Rio Guadalupe near Jemez Springs."

REVISED RECORDS.--WSP 1712: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,015 ft above National Geodetic Vertical Datum of 1929 (plane-table survey by Topographic Division, U.S. Geological Survey, 1952). Prior to 1951, at site 2.4 mi downstream at lower datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated to some extent since October 1958 by San Gregorio Reservoir on Clear Creek, 24 mi upstream (capacity, 345 acre-ft), and by transmountain diversion into Rio Puerco basin for irrigation of about 300 acres in vicinity of Cuba. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	13	e10	13	e16	74	105	316	210	87	20	21
2	7.8	13	e10	17	e16	69	94	362	277	67	20	20
3	7.7	15	e11	15	e17	74	91	417	285	57	19	19
4	8.1	18	e12	14	e16	94	94	347	288	56	18	19
5	8.1	17	14	12	e18	89	108	360	281	48	18	19
6	8.0	16	22	9.9	e19	151	137	309	372	43	18	18
7	7.9	17	23	14	e22	127	169	244	319	40	18	19
8	8.4	17	21	15	e21	99	198	237	272	39	18	22
9	8.5	19	18	e12	e23	86	224	237	249	37	17	28
10	8.4	18	30	e11	e26	83	188	253	200	35	17	27
11	8.4	19	37	e12	28	89	166	240	186	35	17	22
12	8.4	52	27	e13	29	99	155	274	179	36	18	20
13	8.1	48	17	e12	28	88	161	264	181	34	19	19
14	9.0	31	e15	e11	31	93	179	284	177	34	24	19
15	18	24	e13	e14	42	111	174	345	171	37	20	19
16	19	27	e11	e19	e32	130	156	420	169	39	19	19
17	17	22	e10	e18	e29	133	162	426	229	47	17	19
18	15	16	e9.4	e18	e27	147	147	306	404	46	16	19
19	14	13	e9.0	e17	e30	177	142	270	190	48	16	18
20	14	17	e8.8	e16	e32	196	125	301	184	39	18	18
21	14	24	e9.0	e14	e40	218	114	348	158	34	17	18
22	14	27	e11	e13	48	253	108	387	137	29	16	18
23	14	17	e13	e12	54	221	103	387	116	27	23	18
24	13	14	e12	e13	56	203	109	293	102	25	25	18
25	14	e13	e10	e11	62	173	128	243	94	22	24	18
26	13	e12	e9.4	e12	61	142	176	244	89	22	24	18
27	13	e11	e9.2	e14	62	127	214	212	84	20	30	17
28	14	e11	e8.7	e13	65	124	226	205	83	19	26	19
29	13	e11	e9.6	e14	---	113	237	199	85	19	32	23
30	14	e10	e9.4	e15	---	103	310	181	105	18	31	39
31	14	---	e11	e17	---	105	---	180	---	19	24	---
TOTAL	361.5	582	440.5	430.9	950	3991	4700	9091	5876	1158	639	610
MEAN	11.7	19.4	14.2	13.9	33.9	129	157	293	196	37.4	20.6	20.3
MAX	19	52	37	19	65	253	310	426	404	87	32	39
MIN	7.7	10	8.7	9.9	16	69	91	180	83	18	16	17
AC-FT	717	1150	874	855	1880	7920	9320	18030	11660	2300	1270	1210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1995, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	18.5	19.1	16.4	15.0	19.0	62.4	191	218	66.2	21.5	22.2	19.2		
MAX	57.6	56.8	31.8	27.0	33.9	129	421	471	196	37.4	40.6	47.8		
(WY)	1987	1987	1987	1992	1995	1995	1992	1985	1995	1995	1988	1988		
MIN	10.5	8.11	7.54	7.79	7.66	22.0	77.4	25.9	12.9	9.88	11.9	8.81		
(WY)	1988	1990	1990	1990	1990	1990	1990	1989	1989	1994	1994	1989		

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1982 - 1995
ANNUAL TOTAL	12176.6	28829.9	
ANNUAL MEAN	33.4	79.0	57.5
HIGHEST ANNUAL MEAN			101
LOWEST ANNUAL MEAN			23.5
HIGHEST DAILY MEAN	255	426	950
LOWEST DAILY MEAN	6.8	7.7	4.0
ANNUAL SEVEN-DAY MINIMUM	7.3	7.9	5.5
INSTANTANEOUS PEAK FLOW		1050	b3190
INSTANTANEOUS PEAK STAGE		7.23	a8.40
INSTANTANEOUS LOW FLOW			1.9
ANNUAL RUNOFF (AC-FT)	24150	57180	41640
10 PERCENT EXCEEDS	88	237	160
50 PERCENT EXCEEDS	14	24	20
90 PERCENT EXCEEDS	8.2	11	10

a Estimated

a-From floodmarks, site and datum in use June 1941 to September 1942.

b-From rating curve extended above 1,000 ft³/s.

LOCATION --Lat. 35°39'42", long 106°44'34". Sandoval County, Hydrologic Unit 13020202, in Canon de San Diego Grant, on left bank 0.7 mi downstream from Rio Guadalupe, 3.5 mi north of Jemez, and at mile 29.5.

WATER-DISCHARGE RECORDS

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood since at least 1890 occurred between May 6 and 15, 1941, after gage was destroyed (discharge probably exceeded 6,000 ft³/s), from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1954 - 1995	
ANNUAL TOTAL	20344.7		48246			
ANNUAL MEAN	55.7		132		80.6	
HIGHEST ANNUAL MEAN					189 1973	
LOWEST ANNUAL MEAN					29.3 1977	
HIGHEST DAILY MEAN	316	May 14	710	Mar 20	3160	Apr 21 1958
LOWEST DAILY MEAN	7.6	Jul 9	20	Oct 1	2.1	Jul 25 1981
ANNUAL SEVEN-DAY MINIMUM	8.5	Jul 7	21	Oct 1	6.0	Jul 23 1981
INSTANTANEOUS PEAK FLOW			1840	Aug 29	a5900	Apr 21 1958
INSTANTANEOUS PEAK STAGE			7.69	Aug 29	b10.10	Jul 15 1985
INSTANTANEOUS LOW FLOW					1.2	Jul 25 1981
ANNUAL RUNOFF (AC-FT)	40350		95700		58360	
10 PERCENT EXCEEDS	137		340		179	
50 PERCENT EXCEEDS	40		58		34	
90 PERCENT EXCEEDS	20		31		18	

a-From rating curve extended above 2,200 ft³/s on basis of contracted-opening measurement of peak flow.
b-Present datum.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
FEB 1995												
03...	1540	42	445	8.2	16.5	10.0	625	8.9	96	--	--	--
MAR 09...	1250	182	230	8.0	13.0	5.5	624	9.6	93	--	89	30
MAY 17...	1430	492	171	8.2	10.5	9.0	634	9.1	95	--	64	22
JUL 10...	1200	59	418	8.2	29.0	18.0	600	7.7	104	17	130	43
AUG 31...	1015	40	517	8.3	27.0	19.5	625	7.9	106	--	--	--

[illegible][illegible]

RIO GRANDE BASIN

08328500 JEMEZ CANYON RESERVOIR NEAR BERNALILLO, NM

LOCATION.--Lat 35°23'40", Long 106°22'50", in SW1/4 sec. 32, T.14 N., R.4 E., Sandoval County, Hydrologic Unit 13020202, at corner of outlet works control tower of Jemez Canyon Dam on Jemez River, 2.8 mi upstream from mouth, and 6 mi north of Bernalillo.

DRAINAGE AREA.--1,034 mi².

PERIOD OF RECORD.--October 1953 to September 1965 (monthend contents only), October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by earthfill dam, completed October 19, 1953. Capacity, 172,800 acre-ft, from capacity table adapted January 1, 1992, between elevations 5,125.0 ft, sill of outlet gates, and 5,252.3 ft, operating deck of spillway. Maximum controlled capacity, 102,700 acre-ft at elevation 5,232.0 ft (floor of spillway, which is located about 0.8 mi south of dam). Capacity by original survey was 189,100 acre-ft. Original plan for reservoir operation was to desilt all flow above 30 ft/s by storage for one day before releasing to Rio Grande, and for possible detention during flood stage on Rio Grande. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 72,110 acre-ft, June 1, 1987, elevation, 5,220.24 ft; no storage most of time prior to March 1979.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 30,700 acre-ft, July 2, elevation, 5,199.02 ft; minimum contents, 20,980 acre-ft, Nov. 29, elevation, 5,191.75 ft.

Capacity table, (elevation, in feet, and contents, in acre-feet)

(Based on survey by U.S. Army Corps of Engineers in 1992)

5,193.0	22,540	5,208.0	44,810
5,198.0	29,260	5,213.0	54,080
5,203.0	36,560	5,218.0	64,720

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21570	23780	21140	21570	23650	26710	26950	26630	26600	30660	26400	24580
2	21530	23810	21200	21530	23730	26730	26950	26490	26740	30700	26230	24580
3	21520	23860	21200	21560	23770	26850	26990	26280	27100	30680	26090	24550
4	21500	23950	21200	21650	23840	26970	26970	26070	27430	30610	25990	24530
5	21490	24030	21240	21770	23900	27170	26890	26140	27750	30550	25910	24470
6	21440	24110	21210	21880	23960	27370	26930	26300	28100	30480	25840	24410
7	21400	23910	21140	21940	24010	27570	27070	26340	28470	30380	25760	24450
8	21370	23550	21200	21990	24110	27470	27230	26330	28760	30260	25640	24490
9	21350	23180	21260	22070	24170	27400	27470	26440	28970	30170	25500	24510
10	21320	22830	21260	22160	24250	27400	27500	26700	29140	30070	25420	24550
11	21300	22610	21310	22220	24330	27430	27140	26860	29190	29910	25350	24550
12	21350	23040	21230	22300	24410	27520	26840	26730	29260	29780	25330	24370
13	21390	23600	21160	22360	24500	27580	26840	26660	29320	29640	25270	24260
14	21390	23580	21150	22420	24590	27390	26920	26560	29360	29500	25210	24210
15	21910	23150	21130	22500	24730	27430	26990	26520	29330	29360	25170	24180
16	22620	22330	21130	22570	24850	27410	27010	26480	29280	29250	25140	24170
17	22830	21530	21140	22670	24940	27290	26920	26330	29330	29190	25100	24140
18	22920	21290	21150	22720	25030	27340	26880	26100	29640	29210	25060	24110
19	22970	21350	21160	22750	25110	27720	26740	26170	29740	29230	25010	24050
20	23040	21370	21130	22840	25230	27510	26660	26630	29780	29140	25150	24000
21	23130	21360	21090	22930	25330	27170	26600	27110	29760	29040	25170	23910
22	23180	21260	21080	23010	25440	27280	26770	27250	29670	28910	25190	23840
23	23250	21180	21150	23060	25560	27170	26820	27030	29760	28750	25390	23820
24	23330	21160	21210	23130	25700	27220	26700	26660	29950	28540	25330	23830
25	23380	21130	21300	23200	25890	27170	26520	26280	30080	28270	25230	23740
26	23480	21120	21400	23310	26130	26960	26620	26250	30210	28010	25450	23710
27	23560	21040	21490	23350	26400	26750	26960	26290	30190	27720	25540	23680
28	23620	20990	21570	23420	26670	26930	27070	26330	30180	27410	25610	23710
29	23680	20980	21600	23470	---	27000	26880	26450	30180	27140	25150	23710
30	23710	21040	21620	23530	---	26930	26670	26580	30330	26820	24820	23690
31	23740	---	21610	23580	---	26920	---	26630	---	26580	24610	---
MAX	23740	24110	21620	23580	26670	27720	27500	27250	30330	30700	26400	24580
MIN	21300	20980	21080	21530	23650	26710	26520	26070	26600	26580	24610	23680
(†)	5193.94	5191.80	5192.26	5193.82	5196.13	5196.31	5196.13	5196.10	5198.76	5196.06	5194.60	5193.90
(††)	+2160	-2700	+570	+1970	+3090	+250	-250	-40	+3700	-3750	-1970	-920

CAL YR 1994 MAX 31380 MIN 20980 (††) -90
WTR YR 1995 MAX 30700 MIN 20980 (††) +2110

(†) ELEVATION, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET.

RIO GRANDE BASIN

08329000 JEMEZ RIVER BELOW JEMEZ CANYON DAM, NM

LOCATION.--Lat 35°23'24", Long 106°32'03", in NE¼ sec.5, T.13 N., R.4 E., Sandoval County, Hydrologic Unit 13020202, on right bank 0.8 mi downstream from Jemez Canyon Dam, 2.0 mi upstream from mouth, and 6 mi north of Bernalillo.

DRAINAGE AREA.--1,038 mi².

PERIOD OF RECORD.--March 1936 to January 1938, March 1943 to current year. Published as "Jemez Creek" prior to 1948, and as "near Bernalillo" prior to 1954.

REVISED RECORDS.--WSP 1178: 1949. WSP 1212: 1950. WSP 1512: 1936, 1943, 1945, 1947-48, 1949(M), 1950. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,095.60 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Apr. 24, 1951, at site 0.8 mi upstream at datum 24.51 ft higher. Apr. 24, 1951, to June 25, 1958, at site 37 ft upstream at datum 4.40 ft above present datum. Supplementary water-stage recorder at gages on Jemez Canyon Dam at datum 5,125.00 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark) used at times since January 1953.

REMARKS.--Records good. Subsequent to October 1953, flow at this station can be completely regulated by Jemez Canyon Reservoir (station 08328500). However, reservoir is designed essentially for desilting and flood control rather than storage. Diversions for irrigation of about 3,000 acres upstream from station. U.S. Army Corps of Engineers satellite telemeter at station. No flow for many days.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in 1900 was probably less than 16,000 ft³/s, but highest observed outside period of record.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.22	2.3	46	.00	190	166	539	281	69	63	7.1
2	.14	.23	20	45	.00	160	162	603	252	68	43	7.3
3	.16	.25	43	23	.00	71	162	657	188	68	26	7.3
4	.20	.21	43	1.6	.00	71	161	605	189	67	19	7.7
5	.20	.00	59	1.5	.00	70	160	480	190	67	10	7.7
6	.14	.00	111	1.3	.00	69	162	408	193	67	10	7.9
7	.20	120	102	1.1	.00	209	162	405	197	66	9.8	8.1
8	.20	217	66	1.1	.00	299	161	404	200	66	33	7.8
9	.15	215	41	1.1	.00	232	161	404	202	67	30	7.7
10	.22	212	23	1.1	.00	174	266	312	205	70	16	7.9
11	.21	216	23	1.1	.00	157	384	334	207	69	11	40
12	.19	216	89	.96	.00	157	340	438	211	69	5.5	93
13	.20	216	86	.90	.00	205	213	439	212	68	5.3	49
14	.22	216	48	.90	.00	276	183	438	214	67	3.0	9.2
15	.24	311	47	.90	.00	250	204	441	212	65	.86	7.5
16	.20	467	44	.99	.00	369	204	500	213	64	.90	7.2
17	.19	442	30	.99	.00	439	256	564	214	63	.77	6.2
18	.20	212	25	.62	.00	341	251	606	214	58	.77	5.5
19	.20	46	37	.54	.00	339	267	409	215	54	.79	6.2
20	.19	44	50	.50	.00	815	265	194	214	73	.77	6.3
21	.22	59	51	.50	.00	807	235	193	213	71	.76	6.2
22	.23	114	28	.50	.00	582	218	392	211	70	.80	6.2
23	.22	109	3.7	.50	.00	532	218	562	102	68	.67	5.4
24	.21	67	2.1	.63	.00	369	269	597	8.6	85	53	5.3
25	.21	67	1.6	1.3	.00	369	301	517	5.5	113	70	5.5
26	.20	67	1.6	1.7	.00	369	256	353	33	110	51	5.5
27	.19	67	1.4	1.2	.00	307	314	275	95	109	36	5.0
28	.24	54	1.3	1.1	82	137	462	274	81	110	101	5.3
29	.21	16	30	.12	---	162	569	275	60	109	225	5.3
30	.23	4.2	47	.06	---	212	570	277	63	109	253	5.0
31	.21	---	47	.04	---	179	---	274	---	85	118	---
TOTAL	6.22	3775.11	1204.0	138.85	82.00	8918	7702	13169	5095.1	2364	1198.69	361.3
MEAN	.20	126	38.8	4.48	2.93	288	257	425	170	76.3	38.7	12.0
MAX	.24	467	111	46	82	815	570	657	281	113	253	93
MIN	.14	.00	1.3	.04	.00	69	160	193	5.5	54	.67	5.0
AC-FT	12	7490	2390	275	163	17690	15280	26120	10110	4690	2380	717

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

	MEAN	27.4	30.1	21.6	23.2	27.9	66.5	191	195	79.4	26.9	44.5	22.5
MAX	193	179	74.4	56.1	75.1	288	772	968	988	358	247	157	157
(WY)	1987	1958	1987	1993	1987	1995	1985	1973	1958	1987	1991	1988	1988
MIN	.000	2.47	.20	.25	.34	13.7	5.63	.000	.000	.000	.13	.000	.000
(WY)	1956	1989	1985	1985	1985	1981	1951	1972	1946	1947	1950	1945	1945

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1943 - 1995

ANNUAL TOTAL	21540.91	44014.27	
ANNUAL MEAN	59.0	121	63.5
HIGHEST ANNUAL MEAN			178
LOWEST ANNUAL MEAN			10.6
HIGHEST DAILY MEAN	1310	815	3640
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.14	.00	.00
INSTANTANEOUS PEAK FLOW			b16300
INSTANTANEOUS PEAK STAGE			a5.62
ANNUAL RUNOFF (AC-FT)	42730	87300	46020
10 PERCENT EXCEEDS	156	359	155
50 PERCENT EXCEEDS	5.1	54	18
90 PERCENT EXCEEDS	.22	.18	.00

a-Site and datum then in use.

b-From rating curve extended above 3,000 ft³/s.

RIO GRANDE BASIN

06329700 CAMPUS WASH AT ALBUQUERQUE, NM

LOCATION.--Lat 35°05'40", long 106°37'22", in SEM sec.16, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 100 ft west of southwest corner of University of New Mexico North Golf Course, 200 ft downstream from Baretas Stormwater Pumping Station outfall, 600 ft downstream from Tucker Road bridge, and 1,500 ft northeast of intersection of Lomas and University Boulevards. in Albuquerque.

DRAINAGE AREA.--3.80 mi².

PERIOD OF RECORD.--April 1982 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records poor. Recording rain gage at station. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,230 ft³/s, July 14, 1990, gage height, 4.50 ft, from rating curve developed by step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 558 ft³/s, at 1755 hours Sept. 7, gage height, 2.85 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
8	.00	---	---	---	---	.00	---	.00	.00	.00	.00	.00
9	.00	---	---	---	---	.00	---	.00	.00	.00	.00	.00
10	.00	---	---	---	---	.00	---	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	---	.00	.00	.00	.00	.00
14	5.5	---	---	---	---	---	---	.00	.00	.00	.00	.00
15	3.7	---	---	---	---	---	---	.00	.00	.00	.00	.00
16	4.1	---	---	---	---	---	---	.00	.00	.00	.00	.00
17	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
18	---	---	---	---	---	---	---	.00	.00	8.4	.00	.95
19	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
23	---	---	---	---	---	---	---	.00	.00	.00	.53	.00
24	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
25	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	---	.00	.00	.00	.00	1.6	.00
28	---	---	---	---	---	---	.00	.00	.00	.00	.00	12
29	---	---	---	---	---	---	.00	.00	.00	.00	.86	.00
30	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	---	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	0.00	0.00	8.40	2.99	37.95
MEAN	---	---	---	---	---	---	---	.000	.000	.27	.096	1.26
MAX	---	---	---	---	---	---	---	.00	.00	8.4	1.6	21
MIN	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	.00	.00	.17	5.9	.75
(†)	1.41	1.21	0.54	0.34	0.39	0.11	0.45	0.15	0.02	0.73	0.41	1.55

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329835 NORTH FLOODWAY CHANNEL AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'03", long 106°36'42", in SE¼ sec.3, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on right bank of concrete-lined drainage channel, 300 ft downstream (north) of bridge on Candelaria Boulevard, NE, and 3,000 ft downstream from confluence of Campus Wash and Embudo Arroyo in Albuquerque.

DRAINAGE AREA.--40.0 mi².

PERIOD OF RECORD.--May 1982 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,110 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,250 ft³/s, July 9, 1988, gage height, 12.10 ft, from floodmarks from step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 3,230 ft³/s, at 1800 hours Sept. 7, gage height, 7.95 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	207
9	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	114
10	.00	---	---	---	---	.00	8.1	.00	.00	.00	3.3	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	15	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	140	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	109	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	83	---	---	---	---	.00	.00	.00	.00	22	.00	.00
17	4.4	---	---	---	---	.00	.00	.00	.00	5.5	.00	.00
18	---	---	---	---	---	.00	.00	.00	.00	72	1.9	29
19	---	---	---	---	---	.00	40	.00	.00	10	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	3.6	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	25	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	16	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.05	.00	11	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	53	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	156
29	---	---	---	---	---	.00	.00	.00	.00	.00	6.7	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	336.40	---	---	---	---	0.00	48.10	0.00	0.05	109.50	135.50	506.00
MEAN	19.8	---	---	---	---	.000	1.60	.000	.002	3.53	4.37	16.9
MAX	140	---	---	---	---	.00	40	.00	.05	72	53	207
MIN	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
AC-FT	667	---	---	---	---	.00	95	.00	.1	217	269	1000

RIO GRANDE BASIN

08329838 SOUTH FORK HAHN ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'16", Long 106°34'04", in NE1/4 sec. 1, T.16 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on left bank 300 ft above Louisiana Boulevard, 900 ft south of Comanche Rd, and 1,700 ft north of Candelaria Rd, in Albuquerque.

DRAINAGE AREA.--2.03 mi².

PERIOD OF RECORD.--June 1978 to December 1983, June 1992 to current year (seasonal record).

GAGE.--Water-stage recorder and concrete lined channel. Elevation of gage is 5,300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to 1983 at site 300 ft downstream on Louisiana Boulevard bridge, at different datum.

REMARKS.--Records good. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. Recording rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 574 ft³/s, May 11, 1994, gage height, 4.42 ft, from step-backwater analysis of concrete lined stream channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 571 ft³/s, at 1800 hours, Sept. 7, gage height, 4.41 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.09	.94	.07	.00
2	3.6	---	---	---	---	---	.09	.00	.00	.29	.15	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.12	.00
4	.00	---	---	---	---	---	1.2	.32	.00	.00	.07	.00
5	.00	---	---	---	---	---	2.5	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.07	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.12	.13
8	1.7	---	---	---	---	---	.00	.00	.00	.59	.15	3.0
9	2.3	---	---	---	---	---	.00	1.4	.00	.00	.09	.30
10	1.9	---	---	---	---	---	2.5	.00	.00	.00	3.9	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.52	.10
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	4.0	---	---	---	---	---	.00	.00	.00	.53	.00	.10
15	3.0	---	---	---	---	---	.00	.00	.00	.11	.00	.14
16	4.4	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	1.3	---	---	---	---	---	.00	.71	.00	1.5	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	5.3	.45	.23
19	---	---	---	---	---	---	3.8	.00	.00	.14	.07	.09
20	---	---	---	---	---	---	.00	.00	.00	.00	.06	.10
21	---	---	---	---	---	.00	.00	.00	.00	.00	2.5	.12
22	---	---	---	---	.00	.00	.00	.00	.00	.00	2.1	.26
23	---	---	---	---	.00	.00	.00	.00	.29	.00	2.2	.13
24	---	---	---	---	.00	.00	.00	.00	.00	.00	.25	.00
25	---	---	---	---	.00	.00	.00	.00	.00	.08	.17	.21
26	---	---	---	---	.00	.00	.00	.00	.00	.00	.33	.23
27	---	---	---	---	.00	.09	.00	.00	.00	.92	2.8	.25
28	---	---	---	---	.00	3.9	.45	.14	.00	.16	.7.6	.40
29	---	---	---	---	.00	1.5	.50	.30	.00	2.0	.16	.17
30	---	---	---	---	.00	1.9	.43	.25	.00	.16	.07	---
31	---	---	---	---	.00	---	.00	---	.00	.00	.07	---
TOTAL	---	---	---	---	---	---	17.48	3.81	1.07	10.40	18.58	26.43
MEAN	---	---	---	---	---	---	.58	.12	.036	.34	.60	.88
MAX	---	---	---	---	---	---	3.9	1.4	.30	5.3	3.9	.13
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.35	7.6	2.1	.21	.37	.52
(†)	1.73	1.41	0.65	0.71	0.25	0.26	0.71	0.46	0.04	0.49	0.47	0.74

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329839 NORTH FORK HAHN ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'33", long 106°34'04", in NE¼SE¼ sec. 1, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 200 ft above Louisiana Boulevard, 1,150 ft north of Comanche Rd, and 1,450 ft south of Montgomery Boulevard, in Albuquerque.

DRAINAGE AREA.--1.51 mi².

PERIOD OF RECORD.--May 1979 to December 1983, June 1992 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete lined channel. Elevation of gage is 5,290 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to 1983 at site 200 ft downstream on Louisiana Boulevard bridge, at different datum.

REMARKS.--Records poor. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. Recording rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 439 ft³/s, Aug. 14, 1980, gage height, 1.94 ft, from step-backwater analysis of concrete lined stream channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, .31 ft³/s, at 1425 hours, Apr. 19, gage height, 1.05 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
19	.00	---	---	---	---	---	.06	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.06
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.06	0.00	0.00	0.00	0.00	0.06
MEAN	---	---	---	---	---	---	.002	.000	.000	.000	.000	.002
MAX	---	---	---	---	---	---	.06	.00	.00	.00	.00	.06
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.1	.00	.00	.00	.00	.1
(†)	1.09			0.07	0.32	0.49	0.49	0.30	0.13	0.30	0.32	0.27

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329840 HAHN ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°07'35", long 106°35'23", in SE^{1/4} sec.2, T.10 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, 860 ft below San Mateo Boulevard Bridge on right bank, 750 ft north of Comanche Road, and 2,050 ft south of Montgomery Boulevard in Albuquerque.

DRAINAGE AREA.--4.23 mi².

PERIOD OF RECORD.--June 1978 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,400 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to 1992 at site on downstream side of San Mateo Boulevard Bridge, at different datum.

REMARKS.--Records poor. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. Recording rain gage at station. Development within basin is predominantly residential, but there are some commercial areas. See tabulation below for monthly precipitation in inches.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft³/s, Aug. 14, 1980, gage height, 2.54 ft, from rating curve extended above 10 ft³/s on basis of step-forward analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 69 ft³/s, at 1955 hours Aug. 13, gage height, 0.53 ft, from rating curve extended above 10 ft³/s on basis of step-forward analysis of channel; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.13	.12	6.2	---	---
2	.00	---	---	---	---	---	.00	.00	.00	.27	---	---
3	1.0	---	---	---	---	---	.00	.00	.00	.00	---	---
4	.77	---	---	---	---	---	.51	.72	.00	.00	---	---
5	.81	---	---	---	---	---	1.0	.33	.00	.00	---	---
6	---	---	---	---	---	---	.00	.61	.00	.00	---	---
7	---	---	---	---	---	---	.00	.00	.00	.00	---	---
8	---	---	---	---	---	.00	.00	1.1	.00	1.3	---	---
9	---	---	---	---	---	.00	.00	3.3	.00	.00	---	---
10	---	---	---	---	---	.00	1.9	.00	.00	.00	.00	---
11	---	---	---	---	---	.00	.00	.00	.00	.00	.00	---
12	---	---	---	---	---	.00	.00	.00	.00	.00	4.8	---
13	---	---	---	---	---	.00	.00	.00	.00	---	16	---
14	13	---	---	---	---	.00	.00	.00	.00	---	6.8	.00
15	14	---	---	---	---	.00	.00	.00	.00	---	.00	.00
16	35	---	---	---	---	.00	.00	.00	.00	---	---	.00
17	12	---	---	---	---	.00	.00	7.4	.00	---	.00	.00
18	.98	---	---	---	---	.00	---	.33	.00	---	.00	.00
19	.00	---	---	---	---	.00	---	.00	.00	---	.00	.00
20	1.4	---	---	---	---	.00	---	.00	.00	---	---	.00
21	.59	---	---	---	---	.00	---	.00	.00	---	---	.00
22	.15	---	---	---	---	.00	.00	.00	.00	---	---	.01
23	---	---	---	---	---	.00	---	.00	.62	---	---	.00
24	---	---	---	---	---	.00	---	.00	.00	---	---	.00
25	---	---	---	---	---	.00	.00	.00	.00	---	---	.00
26	---	---	---	---	---	.00	.00	.00	.00	---	---	.00
27	---	---	---	---	---	.00	.00	.00	.00	---	---	.00
28	---	---	---	---	---	.00	6.0	.97	.12	---	---	---
29	---	---	---	---	---	.00	2.6	3.5	.40	---	---	---
30	---	---	---	---	---	.00	3.8	1.4	5.9	---	---	---
31	---	---	---	---	---	.00	---	.20	---	---	---	---
TOTAL	---	---	---	---	---	---	---	19.99	7.16	---	---	---
MEAN	---	---	---	---	---	---	---	.64	.24	---	---	---
MAX	---	---	---	---	---	---	---	7.4	5.9	---	---	---
MIN	---	---	---	---	---	---	---	.00	.00	---	---	---
AC-FT	---	---	---	---	---	---	---	.40	.14	---	---	---
(†)	1.55	1.32	0.64	0.62	0.38	0.17	0.55	0.26	0.05	0.62	0.35	1.46

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329860 GRANT LINE ARROYO AT VILLA DEL OSO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°08'04", long 106°34'16", in SE¼SE¼ sec.36, T.11 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on left bank of rock-lined channel, and 60 ft west of northwest corner of apartment parking lot at 4215 Louisiana Boulevard NE in Albuquerque.

DRAINAGE AREA.--0.052 mi².

PERIOD OF RECORD.--June 1976 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,300 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Recording rain gage at station. Development within basin is predominantly residential. See tabulation below for monthly precipitation in inches. No flow most of time.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13 ft³/s, Aug. 13, 1993, gage height, 1.76 ft, from rating curve extended above 5.0 ft³/s on basis of slope-area measurements at gage height 2.08; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 9.1 ft³/s, at 1800 hours Sept. 7, gage height, 1.65 ft. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.01	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.21
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.14
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.08	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.04	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.06	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.02	---	---	---	---	---	.00	.00	.00	.14	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.21	.00	.00
19	---	---	---	---	---	---	.07	.00	.00	.02	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.06	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.33
29	---	---	---	---	---	.00	.00	.04	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.05	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.07	0.10	0.00	0.37	0.06	0.68
MEAN	---	---	---	---	---	---	.002	.003	.000	.012	.002	.023
MAX	---	---	---	---	---	---	.07	.05	.00	.21	.06	.33
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.1	.2	.00	.7	.1	1.3
(†)	---	---	---	---	---	---	0.58	0.42	0.04	1.01	0.29	0.82

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

06829872 PINO ARROYO AT VENTURA BOULEVARD AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°08'46", Long 106°32'50", Bernalillo County, Hydrologic Unit 133030203, in Elena Gallegos Grant, on left bank in Tanoan Country Club, and 30 ft upstream from Ventura Boulevard in Albuquerque.

DRAINAGE AREA.--5.40 mi².

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation of gage is 5,490 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 126 ft³/s, July 23, 1992, gage height, 1.98 ft, from rating curve extended above 12 ft³/s on basis of slope-area measurement of peak flow; no flow part of many days.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 48 ft³/s, at 1800 hours Sept. 7, gage height, 1.44 ft, from rating curve extended above 12 ft³/s on basis of slope-area measurement of peak flow; no flow part of many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	---	---	---	---	---	.00	.00	.01	.00	---	.00
2	.09	---	---	---	---	---	.00	.00	.00	.00	---	.00
3	.05	---	---	---	---	---	.00	.00	.00	.00	---	.00
4	.08	---	---	---	---	---	.00	.00	.00	.00	---	.00
5	.15	---	---	---	---	---	.00	.02	.00	.02	---	.00
6	.23	---	---	---	---	---	.00	.00	.01	.03	---	.00
7	.08	---	---	---	---	---	.00	.00	.00	.06	---	1.5
8	.06	---	---	---	---	---	.00	.00	.01	.12	---	.25
9	.07	---	---	---	---	---	.00	.00	.03	.12	---	.00
10	.06	---	---	---	---	---	.00	.00	.01	.13	---	.00
11	.06	---	---	---	---	---	.00	.00	.02	.09	.07	.03
12	.05	---	---	---	---	---	.00	.00	.00	.02	.00	.03
13	.03	---	---	---	---	---	.00	.00	.01	.02	.00	.04
14	1.2	---	---	---	---	---	.00	.00	.00	.00	.00	.06
15	1.1	---	---	---	---	---	.00	.00	.01	.02	.00	.04
16	1.1	---	---	---	---	---	.00	.01	.00	.02	.04	.04
17	.53	---	---	---	---	---	.00	.10	.00	.03	.00	.02
18	---	---	---	---	---	---	.00	.00	.00	1.2	.06	.06
19	---	---	---	---	---	---	.41	.00	.00	.02	.07	.03
20	---	---	---	---	---	---	.00	.00	.01	.00	.04	.03
21	---	---	---	---	---	---	.00	.00	.00	.00	.16	.08
22	---	---	---	---	---	.00	.00	.02	.01	.00	2.0	.05
23	---	---	---	---	---	.00	.00	.02	.01	.00	.04	.05
24	---	---	---	---	---	.00	.00	.01	.00	.00	.02	.03
25	---	---	---	---	---	.00	.00	.03	.00	.00	.00	.03
26	---	---	---	---	---	.00	.00	.03	.00	---	.04	.04
27	---	---	---	---	---	.00	.00	.02	.00	---	.36	.04
28	---	---	---	---	---	.16	.00	.32	.00	---	.00	1.4
29	---	---	---	---	---	.17	.00	.62	.01	---	.11	.25
30	---	---	---	---	---	.00	.00	.04	.00	---	.00	.02
31	---	---	---	---	---	.05	---	.00	---	---	.00	---
TOTAL	---	---	---	---	---	---	0.41	1.24	0.15	---	---	4.12
MEAN	---	---	---	---	---	---	.014	.040	.005	---	---	.14
MAX	---	---	---	---	---	---	.41	.62	.03	---	---	1.5
MIN	---	---	---	---	---	---	.00	.00	.00	---	---	.00
AC-FT	---	---	---	---	---	---	.8	2.5	.3	---	---	8.2

RIO GRANDE BASIN

08329873 HOFFMANTOWN CHURCH OUTLET NO. 1 AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°08'50", long 106°33'00", Bernalillo County, Hydrologic Unit 132020203, in Elena Gallegos Grant, on right bank at drainage outlet of east parking lot of Hoffmantown Baptist Church, at northern boundary of Albuquerque Academy and 0.1 mi downstream from Ventura Boulevard, in Albuquerque.

DRAINAGE AREA.--.00859 mi²

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder and Palmer-Bowlus flume. Elevation of gage is 5,490 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18 ft³/s, Aug. 1, 1993, gage height, 1.86 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 0.16 ft³/s, at 2310 hours July 18, gage height, 1.44 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.02	.00	.00	.02
2	.00	---	---	---	---	---	.00	.00	.01	.00	.00	.01
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.01
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.06
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.07
10	.00	---	---	---	---	---	.01	.00	.02	.00	.00	.04
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.01
12	.00	---	---	---	---	---	.00	.00	.00	.00	.01	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.06	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.04	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.08	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.02	---	---	---	---	---	.00	.02	.00	.00	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.05	.00	.00
19	---	---	---	---	---	---	.03	.00	.00	.10	.00	.00
20	---	---	---	---	---	---	.03	.00	.00	.08	.00	.00
21	---	---	---	---	---	---	.01	.00	.00	.06	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.05	.01	.00
23	---	---	---	---	---	.00	.00	.00	.00	.04	.04	.00
24	---	---	---	---	---	.00	.00	.00	.00	.03	.03	.00
25	---	---	---	---	---	.00	.00	.00	.00	.01	.02	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.01	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.05	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.04	.06
29	---	---	---	---	---	.00	.00	.03	.00	.00	.04	.00
30	---	---	---	---	---	.00	.00	.04	.00	.00	.04	.00
31	---	---	---	---	---	.00	---	.03	---	.00	.03	---
TOTAL	---	---	---	---	---	---	0.08	0.12	0.05	0.42	0.32	0.28
MEAN	---	---	---	---	---	---	.003	.004	.002	.014	.010	.009
MAX	---	---	---	---	---	---	.03	.04	.02	.10	.05	.07
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.2	.2	.1	.8	.6	.6

RIO GRANDE BASIN

08329874 HOFFMANTOWN CHURCH OUTLET NO. 2 AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°08'50", long 106°03'10", Bernalillo County, Hydrologic Unit 132020203, in Elena Gallagos Grant, on right bank at drainage outlet of west parking lot of Hoffmantown Baptist Church, and at northern boundary of Albuquerque Academy and 0.3 mi south of Harper Boulevard, in Albuquerque.

DRAINAGE AREA.--.0413 mi²

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46 ft³/s, Aug. 1, 1993, gage height, 3.18 ft, from rating curve extended above 7.0 ft/s on basis of theoretical rating for open box culvert; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 13 ft³/s, at 1435 hours May 29, gage height, 2.45 ft, from rating curve extended above 7.0 ft/s on basis of theoretical rating for open box culvert; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.32
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.46
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.05	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.27	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.31	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.38	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.24	---	---	---	---	---	.00	1.7	.00	.00	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.08	.00	.00
19	---	---	---	---	---	---	.32	.00	.00	.14	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.21	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.79	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.58	.00
28	---	---	---	---	---	.00	.00	.27	.00	.00	.00	.50
29	---	---	---	---	---	.00	.00	1.9	.00	.00	.44	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.32	3.87	0.00	0.22	2.07	1.28
MEAN	---	---	---	---	---	---	.011	.12	.000	.007	.067	.043
MAX	---	---	---	---	---	---	.32	1.9	.00	.14	.79	.50
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.6	7.7	.00	.4	4.1	2.5
(†)	1.68	0.97	0.71	0.61	0.50	0.26	0.54	0.53	0.03	0.78	1.23	1.37

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329875 CHERRY HILLS ARROYO NO. 1 AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°08'50", long 106°33'10", Bernalillo County, Hydrologic Unit 132020203, in Elena Gallegos Grant, on left bank, on grounds of the Albuquerque Academy, and 300 ft downstream from Harper Road in Albuquerque.

DRAINAGE AREA.--.0147 mi²

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,470 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17 ft³/s, Aug. 2, 1994, gage height, 3.99 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 2.5 ft³/s, at 1440 hours May 29, gage height, 2.57 ft; no flow most of the time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.11	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.06	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.06	---	---	---	---	---	.00	.00	.00	.00	.00	.03
8	.02	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.04	.00	.00
19	---	---	---	---	---	---	.02	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.01	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.05
29	---	---	---	---	---	.00	.00	.03	.00	.00	.01	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.02	0.03	0.00	0.04	0.02	0.08
MEAN	---	---	---	---	---	---	.001	.001	.000	.001	.001	.003
MAX	---	---	---	---	---	---	.02	.03	.00	.04	.01	.05
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.04	.06	.00	.08	.04	.2

RIO GRANDE BASIN

08329876 CHERRY HILLS ARROYO NO. 2 AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°08'50", long 106°33'20". Bernalillo County. Hydrologic Unit 132020203. in Elena Gallegos Grant, on right bank, on grounds of the Albuquerque Academy, and 390 ft downstream from Harper Road in Albuquerque.

DRAINAGE AREA.--.0796 mi²

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,440 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21 ft³/s, Sept. 22, 1990, gage height, 1.85 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 4.3 ft³/s, at 1450 hours May 29, gage height, 0.67 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.04
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.01	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.01	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.01	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.01
29	---	---	---	---	---	.00	.00	.04	.00	.00	.02	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.01	0.04	0.00	0.01	0.03	0.05
MEAN	---	---	---	---	---	---	.000	.001	.000	.000	.001	.002
MAX	---	---	---	---	---	---	.01	.04	.00	.01	.02	.04
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC FT	---	---	---	---	---	---	.02	.02	.00	.02	.00	.1

RIO GRANDE BASIN

08329877 PINO ARROYO AT WYOMING BOULEVARD AT ALBUQUERQUE, NM.

LOCATION.--Lat 35°09'25", long 106°33'29", Bernalillo County, Hydrologic Unit 132020203, in Elena Gallegos Grant, on the grounds of the Albuquerque Academy, on left bank, and 560 ft upstream from Wyoming Boulevard in Albuquerque.

DRAINAGE AREA.--5.80 mi².

PERIOD OF RECORD.--August 1990 to current year (seasonal records).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,540 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft³/s, Aug. 28, 1994, gage height, 2.14 ft, from floodmarks; no flow part of many days.

EXTREMES FOR CURRENT YEAR.--No flow during water year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.000	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00

RIO GRANDE BASIN

08329880 ACADEMY ACRES DRAIN AT ALBUQUERQUE, NM

LOCATION.--Lat 35°09'02", long 106°34'18", in NE¼SE¼ sec.25, T.11 N., R.3 E., Bernalillo County, Hydrologic Unit 13020200, on left bank of concrete-lined channel, 250 ft north of intersection of Esther Avenue and Burlison Drive, and 0.4 mi north of Academy Road in Albuquerque.

DRAINAGE AREA.--0.124 mi².

PERIOD OF RECORD.--June 1976 to current year (seasonal records).

GAGE.--Water-stage recorder and V-notch weir. Elevation of gage is 5,310 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Recording rain gage at station. The basin is primarily urban residential. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. See tabulation below for monthly precipitation in inches. No flow most of time.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 103 ft³/s, Aug. 3, 1978, gage height, 4.09 ft, from rating curve extended above 10 ft³/s on basis of slope-area measurement of peak flow; no flow most time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 15 ft³/s, at 1445 hours May 29, gage height, 2.64 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.20
8	.00	---	---	---	---	---	.00	.00	.00	.07	.00	.10
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.01	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.02	.00	.06	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	.36	.00	.00
19	.00	---	---	---	---	---	.16	.00	.00	.01	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.02	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.19	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.13	.00
28	---	---	---	---	---	.00	.00	.01	.00	.00	.00	.37
29	---	---	---	---	---	.00	.00	.17	.01	.00	.09	.00
30	---	---	---	---	---	.00	.00	.02	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.16	0.22	0.01	0.50	0.44	0.67
MEAN	---	---	---	---	---	---	.005	.007	.000	.016	.014	.022
MAX	---	---	---	---	---	---	.16	.17	.01	.36	.19	.37
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.3	.4	.02	1.0	.9	1.8
(†)	0	---	---	---	---	---	0	0	0	0	0	0

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329900 NORTH FLOODWAY CHANNEL NEAR ALAMEDA, NM

LOCATION.--Lat 35°11'58", long 106°35'53", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on left bank 0.5 mi upstream from Edith Boulevard, 1.1 mi upstream from mouth, and 1.2 mi northeast of Alameda.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1968 to current year (no winter records in water years 1969-89).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,015 ft above National Geodetic Vertical Datum of 1929, from U.S. Army Corps of Engineers plan and profile map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment. Floodway channel intercepts flow of numerous arroyos in northeast Albuquerque and discharges into the Rio Grande at a point 1.6 mi north of Alameda. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.31	.00	e.00	.00	103	.00	.00	.00	e.00	.00	.00
2	.00	3.7	.00	.00	.00	29	.00	.00	.00	.00	.00	.00
3	.00	.30	e.00	.00	.00	.00	e.00	.00	.00	.00	.00	.00
4	.00	.00	e.00	22	.00	.00	.00	.00	.00	e.00	.00	.00
5	.00	.00	72	350	e.00	e.00	2.9	e.00	e.00	.00	e.00	.00
6	.00	.00	195	e800	.00	3.6	.00	e.00	.00	e.00	e.00	6.7
7	e.00	.00	e.00	e10	.00	e.00	.00	.00	.00	.00	e.00	311
8	.00	4.1	e.00	e5.0	e.00	e.00	.00	.00	.00	e.00	e.00	158
9	.00	.00	e.00	e.00	.00	.00	.00	4.4	.00	.00	e.00	45
10	e.00	.00	e.00	.00	.00	e.00	38	.00	.00	e.00	19	.00
11	e.00	200	e.00	.00	e.00	.00	10	.00	.00	.00	46	.00
12	.00	486	.00	e.00	.00	.00	e.00	.00	.00	.00	e.00	.00
13	.00	.00	.00	e.00	8.3	.00	e.00	.00	.00	.00	.00	.00
14	113	.00	.00	.00	e.00	.00	e.00	.00	.00	e.00	.00	.00
15	206	.00	13	.00	11	.00	e.00	.00	.00	2.9	.00	.00
16	197	.00	e.00	.00	.00	.00	e.00	.00	.00	54	1.6	.00
17	155	.00	e.00	.00	.00	.00	5.8	e.00	.00	17	2.7	.00
18	.00	.30	e.00	.00	.00	.00	.00	.00	.00	116	16	47
19	.00	.00	e.00	e.00	.00	.00	74	.00	.00	62	3.0	12
20	.00	.00	e.00	e.00	.00	.00	5.9	.00	e.00	.00	.00	.00
21	.00	.00	e.00	.00	.00	.00	9.0	.00	.00	3.6	25	.00
22	.00	.00	e.00	.00	.00	.00	31	e.00	e.00	e.00	89	.00
23	.00	.00	e.00	e.00	.00	.00	e.00	.00	e.00	.00	50	1.1
24	.00	.83	e.00	e.00	.00	.00	e.00	e.00	.00	.00	6.6	.00
25	.00	2.8	e.00	e.00	86	.00	e.00	e.00	.00	.00	.00	.00
26	140	.69	e.00	12	27	.00	e.00	.00	.00	.00	28	.00
27	.00	.34	24	e.00	15	e.00	.00	.00	e.00	e.00	105	.00
28	.89	33	15	17	32	.00	9.8	e.00	e.00	.00	.00	251
29	13	3.5	e.00	14	---	.00	7.6	44	e.00	.00	38	.74
30	27	e.00	18	8.0	---	3.5	12	6.5	e.00	.00	5.8	.00
31	17	---	54	e.00	---	.00	---	e.00	---	.00	.00	---
TOTAL	868.89	735.87	391.00	1238.00	179.30	139.10	206.00	54.90	0.00	255.50	435.70	832.54
MEAN	28.0	24.5	12.6	39.9	6.40	4.49	6.87	1.77	.000	8.24	14.1	27.8
MAX	206	486	195	800	86	103	74	44	.00	116	105	311
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	1720	1460	776	2460	356	276	409	109	.00	507	864	1650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

	MEAN	11.0	6.52	4.88	7.79	3.26	4.65	5.72	8.42	6.83	19.8	24.4	13.3
MAX	38.1	24.5	28.5	39.9	19.7	14.0	28.4	41.2	36.1	75.0	53.4	40.1	
(WY)	1985	1995	1994	1995	1993	1973	1988	1994	1988	1991	1994	1991	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.78	3.35	.73
(WY)	1976	1970	1973	1969	1969	1969	1978	1974	1975	1980	1973	1968	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1968 - 1995
ANNUAL TOTAL	8280.16	5336.80	
ANNUAL MEAN	22.7	14.6	10.5
HIGHEST ANNUAL MEAN			21.6
LOWEST ANNUAL MEAN			3.12
HIGHEST DAILY MEAN	650	800	1060
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		4810	a11000
INSTANTANEOUS PEAK STAGE		6.14	10.40
ANNUAL RUNOFF (AC-FT)	16420	10590	7580
10 PERCENT EXCEEDS	71	27	21
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 2,900 ft³/s.

RIO GRANDE BASIN

08329900 NORTH FLOODWAY CHANNEL NEAR ALAMEDA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1982-83, 1991 to current year.

REMARKS.--Selected composite samples were collected with an automatic parastaltic pump sampler that was activated whenever the flow stage exceeded 1.5 feet. Samples were pumped into a refrigerated chamber, manually retrieved within 12 hours, and expeditiously processed for delivery to the analytical laboratories. An automatic water-quality minimonitor recorder was used to obtain maximum, minimum, and mean daily values of water temperature and specific conductance of flow in the channel.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 1994					
14...	2145	554	180	306	458
14...	2200	644	165	305	530
14...	2215	812	180	343	752
14...	2230	1070	190	373	1080
14...	2245	1320	200	426	1520
14...	2300	1290	165	337	1170
14...	2315	1110	137	255	764
14...	2330	958	121	224	579
14...	2346	888	118	185	444
15...	0005	916	128	169	418
15...	0025	1000	150	292	788
15...	0045	909	163	449	1100
26...	0400	710	161	219	420
26...	0415	993	181	281	753
26...	0430	1410	144	216	822
JAN 1995					
05...	1535	596	435	795	1280
05...	1555	860	407	541	1260
05...	1615	895	355	473	1140
05...	1630	770	277	365	759
05...	1645	710	266	320	613
05...	1700	590	258	336	535
05...	1715	549	239	263	390
05...	1730	522	227	258	364
05...	1745	450	217	233	283
05...	1800	440	215	225	267
05...	1815	350	222	218	206
05...	1830	300	242	201	163
JUL					
16...	1725	1000	537	8420	22700
16...	1730	1140	311	4230	13000
16...	1745	930	226	2460	6180
16...	1800	824	200	1550	3450
16...	1815	626	174	1080	1830
16...	1830	505	172	1530	2090
16...	1845	300	179	988	800
16...	1900	252	131	982	668
AUG					
22...	1925	29	319	499	39
22...	1935	230	342	7220	4480
22...	1950	200	234	4060	2190
22...	2005	930	376	2200	5520
22...	2020	860	189	883	2050
22...	2035	860	187	964	2240
22...	2050	800	224	1150	2480
22...	2105	740	218	1170	2330
22...	2125	620	215	2060	3450
22...	2145	505	225	2740	3740
SEP					
07...	1904	4060	168	1280	14000
07...	1910	4170	147	1580	17800
07...	1920	2800	157	1480	11200
07...	1935	2110	161	1190	6780
07...	1950	1370	162	998	3690
07...	2005	1370	159	918	3400
07...	2020	1140	158	869	2670
07...	2035	965	167	857	2230
07...	2050	916	171	694	1720
07...	2105	812	176	1400	3070
07...	2125	740	171	998	1990

RIO GRANDE BASIN

08329914 NORTH CAMINO ARROYO TRIBUTARY AT ALBUQUERQUE, NM

LOCATION.--Lat 35°11'47", long 106°33'57", Bernalillo County, Hydrologic Unit 13020203, in Elena Gallegos Grant, on left bank in right-of-way for extension of Wyoming Boulevard, 150 ft south of Venice Avenue, 15 ft north of Beverly Hills Avenue, and 1.5 mi north of intersection of Paseo del Norte and Wyoming Boulevard in Albuquerque.

DRAINAGE AREA.--0.06 mi².

PERIOD OF RECORD.--June 1979 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation of gage is 5,360 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Recording rain gage at station. The basin is totally undeveloped. See tabulation below for monthly precipitation in inches.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134 ft³/s, July 7, 1981, gage height, 2.10 ft, from slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 6.5 ft³/s, at 1840 hours Aug. 22, gage height, 1.54 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	4.3
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	9.0
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.01
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.98	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	14	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.89	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	2.8	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	3.3	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	8.9
29	---	---	---	---	---	.00	.00	6.4	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	6.40	0.00	14.89	7.08	22.21
MEAN	---	---	---	---	---	---	.000	.21	.000	.48	.23	.74
MAX	---	---	---	---	---	---	.00	6.4	.00	.14	3.3	9.0
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	13	.00	30	14	44
(†)	---	---	---	---	---	---	1.07	0.78	0.03	1.61	1.02	0.01

a Estimated

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329935 ARROYO 19A AT ALBUQUERQUE, NM

LOCATION.--Lat 35°09'24", Long 106°43'37", in NE¼NE¼ sec.28, T.11 N., R.2 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 900 ft upstream from culvert under 81st Street, 1,200 ft south of city water tank, and 0.6 mi south of intersection of 81st Street and Atrisco Drive at Albuquerque.

DRAINAGE AREA.--1.50 mi².

PERIOD OF RECORD.--June 1977 to current year (seasonal records).

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,330 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 19, 1986 at site 450 ft downstream at different datum.

REMARKS.--Records good. Recording rain gage at station. The basin drains undeveloped semidesert terrain above the escarpment west of Albuquerque. See tabulation below for monthly precipitation in inches. No flow most of time.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 100 ft³/s, Oct. 2, 1981, gage height, 4.03 ft, site and datum then in use, from slope-area measurement of peak flow; no flow most time.

EXTREMES FOR CURRENT YEAR.--No flow during water year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.000	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT (†)	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
								0.20	0.14	1.63	1.32	0.74

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329936 TAYLOR RANCH DRAIN AT ALBUQUERQUE, NM

LOCATION.--Lat 35°08'56", Long 106°42'03", in SE¼SW¼ sec.26, T.11 N., R.2 E., Bernalillo County, Hydrologic Unit 13020203, on left bank of drainage outlet for Taylor Ranch subdivision, 120 ft west of intersection of Calle Nuestra and Cabrillo Circle, and 1,850 ft southwest of intersection of Montano Road and Valle Vista Drive in Albuquerque.

DRAINAGE AREA.--0.132 mi².

PERIOD OF RECORD.--August 1978 to current year (seasonal records).

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,120 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Recording rain gage at station. The basin is primarily urban residential. See tabulation below for monthly precipitation in inches.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43 ft³/s, Sept. 8, 1980, gage height, 3.26 ft; no flow most most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 35 ft³/s, July 18, at 0230 hours gage height, 2.98 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.32
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.04
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.14	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.24	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.17	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.19	---	---	---	---	---	.00	.00	.00	.04	.00	.00
17	.02	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	1.8	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.18
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.03	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.14	0.03	0.00	1.84	0.00	0.54
MEAN	---	---	---	---	---	---	.005	.001	.000	.059	.000	.018
MAX	---	---	---	---	---	---	.14	.03	.00	1.8	.00	.32
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.3	.06	.00	3.6	.00	1.1
(†)	---	---	---	---	---	---	0.20	0.07	0.07	2.83	0.30	1.31

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08329938 LADERA ARROYO AT ALBUQUERQUE, NM

LOCATION.--Lat 35°06'59", long 106°43'59", in Town of Atrisco Land Grant, Bernalillo County, Hydrologic Unit 13020203, on left bank, 0.25 mi northwest of City of Albuquerque water storage tank, on dirt road extension of Ouray Road, and 2.3 mi west of North Coors Road in Albuquerque.

DRAINAGE AREA.--0.34 mi².

PERIOD OF RECORD.--May 1981 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation of gage is 5,220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to June 5, 1986 at site 0.2 mi downstream at different datum.

REMARKS.--Records good. Recording rain gage at station. The basin is undeveloped semidesert terrain, part of which, is above the escarpment west of Albuquerque. See tabulation below for monthly precipitation in inches.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182 ft³/s, Aug. 27, 1993, gage height, 4.11 ft, from step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--No flow during the water year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.000	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT (†)	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08330000 RIO GRANDE AT ALBUQUERQUE, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to current year.

WATER TEMPERATURE: October 1969 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1969 to September 1969 (partial-record station), October 1969 to current year.

REMARKS.--Daily sediment total-loads were calculated for one day of nearly every month. Daily total-load values were determined using equation from double-mass relationship plot for period of record. Once-daily temperature readings were made by field observer, and once-daily specific conductance values were determined in the laboratory from daily suspended sediment samples.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,840 microsiemens, Oct. 12, 1974; minimum daily, 115 microsiemens, Aug. 14, 1980.

WATER TEMPERATURE: Maximum daily, 34.0 °C, July 12, 1970; minimum daily, 0.0 °C on many days during winter periods.

SEDIMENT CONCENTRATION: Maximum daily mean, 45,500 mg/L, July 21, 1971; minimum daily mean, no flow on many days in 1971, 1972, and 1977.

SEDIMENT LOAD: Maximum daily, 275,000 tons, July 27, 1971; minimum daily, 0 ton on many days in 1971, 1972, and 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, undetermined; minimum daily, undetermined.

WATER TEMPERATURE: Maximum daily, undetermined; minimum daily, undetermined.

SEDIMENT CONCENTRATION: Maximum daily mean, 15,300 mg/L, Jan. 6; minimum daily mean, 67 mg/L, June 27.

SEDIMENT LOAD: Maximum daily, 49,800 tons, May 22; minimum daily, 97 tons, Oct. 30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (MG/L) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
OCT 1994											
05...	1015	595	332	8.3	15.5	633	8.3	101	--	--	--
26...	0940	460	360	8.2	12.5	635	8.4	95	130	42	7.1
FEB 1995											
09...	0900	928	368	8.4	5.0	639	10.2	95	130	40	7.4
MAY											
02...	1030	3380	346	8.0	14.0	633	8.3	97	120	35	6.7
AUG											
22...	1230	881	372	7.8	24.0	644	7.0	99	130	37	8.3

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH IT FIELD (MG/L AS HCO3 (00450)	CAR- BONATE WATER WH IT FIELD (MG/L AS CO3 (00447)	ALKA- LINITY WAT WH TOT IT FIELD (MG/L AS CACO3 (00419)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
OCT 1994											
05...	--	--	--	--	--	--	--	--	--	--	--
26...	23	0.9	2.8	--	--	--	122	57	7.6	223	213
FEB 1995											
09...	23	0.9	2.7	148	0	121	123	45	9.9	238	201
MAY											
02...	24	1	2.6	113	0	93	97	55	12	226	191
AUG											
22...	24	0.9	3.2	162	0	133	116	57	7.6	237	217

RIO GRANDE BASIN

08330000 RIO GRANDE AT ALBUQUERQUE, NM -- Continued

WATER QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	CYANIDE TOTAL (MG/L) AS CN) (00720)	CYANIDE DIS- SOLVED (MG/L) AS CN) (00723)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L) AS SB) (01095)	ARSENIC TOTAL (UG/L) AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L) AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L) AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L) AS CD) (01025)
OCT 1994											
05...	--	<0.010	<0.01	--	--	--	--	--	--	--	--
26...	57	--	--	1300	10	<1	3	2	80	<1	<1.0
FEB 1995											
09...	31	--	--	360	20	<1	2	3	66	<1	<1.0
MAY											
02...	162	--	--	1900	20	<1	3	3	64	<1	<1.0
AUG											
22...	308	--	--	5500	20	<1	3	3	70	<1	<1.0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COBALT, DIS- SOLVED (UG/L) AS CO) (01035)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L) AS NI) (01065)	SILVER, TOTAL RECOV- ERABLE (UG/L) AS AG) (01077)	SILVER, DIS- SOLVED (UG/L) AS AG) (01075)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U) (22703)
OCT 1994											
05...	--	--	--	--	--	--	--	--	--	--	--
26...	<1	<1	<1	<1	1	4	1	<1	<0.2	<1	3.0
FEB 1995											
09...	<1	<1	<1	<1	2	4	1	<1	<0.2	1	3.0
MAY											
02...	<1	<1	1	<1	2	2	3	<1	<0.2	<1	2.0
AUG											
22...	<1	<1	2	<1	6	4	1	<1	<0.2	1	2.0

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	STREAM WIDTH (FT) (00004)	STREAM DEPTH, MEAN (FT) (00064)	STREAM VELOC- ITY, MEAN (F/S) (00055)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT 1994									
05...	1030	595	--	--	--	332	15.5	290	466
26...	0940	460	--	--	--	360	12.5	82	102
NOV									
01...	1000	688	217	1.6	2.01	--	7.5	549	1020
DEC									
07...	1245	1180	--	--	--	--	--	329	1050
FEB 1995									
06...	1120	956	274	1.7	2.04	--	5.0	116	299
09...	0900	928	--	--	--	368	5.0	41	103
24...	1200	1070	--	--	--	--	--	1730	5000
APR									
03...	1030	1270	--	--	--	--	7.0	250	857
MAY									
02...	1030	3380	--	--	--	346	14.0	222	2030
05...	1415	3980	317	3.8	3.26	--	13.5	641	6890
24...	1100	6400	321	4.8	4.13	--	17.0	668	11500
JUN									
06...	1000	4960	332	3.8	3.94	--	--	682	9130
JUL									
03...	1100	5620	322	4.4	3.99	--	16.5	993	15100
AUG									
07...	1230	566	245	1.2	1.92	--	--	71	109
22...	1230	881	--	--	--	372	24.0	400	951
SEP									
08...	1130	696	258	1.2	2.18	--	20.5	308	579

RIO GRANDE BASIN

08330000 RIO GRANDE AT ALBUQUERQUE, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SEDI- MENT, DISCH, SUSP. + BED MA- TERIAL (T/DAY) (80156)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN 2.00 MM (70336)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)
OCT 1994									
05...	725	--	--	54	59	68	99	100	0
26...	--	86	--	--	--	--	--	--	--
NOV									
01...	1540	--	--	30	33	57	100	--	0
DEC									
07...	1590	--	--	30	39	65	98	100	--
FEB 1995									
06...	473	--	--	30	38	72	100	--	--
09...	--	69	--	--	--	--	--	--	--
24...	7160	--	--	4	5	32	95	100	--
APR									
03...	1310	--	100	31	41	68	91	92	0
MAY									
02...	--	79	--	--	--	--	--	--	--
05...	9760	--	--	29	41	64	100	--	--
24...	16000	--	--	25	40	64	95	100	--
JUN									
06...	12800	--	--	14	17	44	75	100	--
JUL									
03...	20800	--	95	12	15	30	68	83	--
AUG									
07...	177	--	--	73	74	91	100	--	--
22...	--	93	--	--	--	--	--	--	--
SEP									
08...	894	--	--	51	53	72	100	--	--

DATE	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)
OCT 1994									
05...	1	12	62	83	89	92	95	98	100
26...	--	--	--	--	--	--	--	--	--
NOV									
01...	1	12	65	85	93	98	100	--	--
DEC									
07...	0	2	16	53	78	94	99	100	--
FEB 1995									
06...	0	7	67	91	97	99	100	--	--
09...	--	--	--	--	--	--	--	--	--
24...	0	5	56	91	98	99	100	--	--
APR									
03...	1	9	67	87	96	99	100	--	--
MAY									
02...	--	--	--	--	--	--	--	--	--
05...	0	7	67	92	96	97	99	100	--
24...	0	8	60	89	97	99	100	--	--
JUN									
06...	0	4	39	71	78	82	86	90	100
JUL									
03...	0	10	86	99	100	100	--	--	--
AUG									
07...	0	2	15	27	36	42	48	54	69
22...	--	--	--	--	--	--	--	--	--
SEP									
08...	0	5	44	83	97	100	--	--	--

RIO GRANDE BASIN

08330150 RIO GRANDE AT RIO BRAVO BRIDGE NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°01'59", long 106°40'23", Bernalillo County, Hydrologic Unit 13020203, in Atrisco Grant on right bank, 200 ft upstream from Rio Bravo Boulevard Bridge near Albuquerque, and at mile 1,535.1.

DRAINAGE AREA.--17,500 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--January 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow completely regulated since November 1973 by Cochiti Dam (station 08317300) 53 mi upstream. Possible regulation by operation of reservoirs on Rio Chama and by flood and silt-detention reservoirs on Galisteo Creek and Jemez River (stations 08285000, 08286900, 08317900, 08328500). Since May 1971 flow affected by release of transmountain water from Heron Reservoir (station 08284510). Diversions upstream from station for irrigation of about 718,000 acres, several hundred of which are downstream from station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	531	785	1150	990	1960	1280	e3620	5490	5150	1580	832
2	347	585	819	1110	941	1940	1180	e3730	5480	5130	1080	683
3	430	532	861	1050	919	1870	1320	e4220	5340	5200	919	598
4	469	540	858	964	976	2070	1240	e4400	5200	5000	687	556
5	475	608	877	961	1030	2050	1120	4120	5130	5080	559	418
6	480	666	1130	1060	987	1670	1110	4280	5030	5220	540	361
7	511	650	1070	1050	973	1890	1220	4630	5000	5290	542	374
8	521	789	1060	982	969	2600	1420	4340	5310	5340	512	840
9	496	859	1060	887	975	2430	1510	4440	5140	5380	466	937
10	486	852	1030	1010	1020	1970	1890	4100	5140	5290	421	962
11	474	868	1070	1050	1050	1780	2300	3850	5090	5310	504	828
12	475	1420	1030	988	1010	1690	2310	4080	5080	5250	519	621
13	472	1110	1010	901	1020	1530	2510	4100	5050	5480	490	600
14	430	1370	972	903	1030	1690	2090	4270	4980	5430	502	549
15	551	1370	1110	978	1060	1430	2040	4150	5070	5110	536	521
16	597	1320	1170	1030	1130	1220	e2280	4080	5250	4920	613	649
17	715	1360	1050	1030	1390	1510	e2980	5150	5320	5030	618	707
18	691	1460	919	989	1620	1610	e2740	5260	5370	5110	667	645
19	606	1030	867	1000	1680	1630	e2830	5150	5510	5220	625	556
20	474	802	881	903	1520	1780	e2550	4780	5250	5200	591	522
21	434	777	882	874	1310	2930	e2540	5230	5190	5120	628	509
22	420	795	901	937	1060	2490	e2300	5630	5200	5180	646	527
23	427	875	839	988	1240	2530	e2410	5950	5300	4960	741	549
24	460	912	811	989	1200	2690	e2780	6140	5180	4820	566	564
25	461	926	829	976	1140	2540	e2820	6530	5180	4950	634	640
26	488	934	853	965	1210	2490	e2760	6030	5140	4960	869	655
27	423	890	912	970	1240	2290	e3000	5550	5150	4960	889	572
28	439	897	935	1010	1450	2000	e3320	5220	5030	4850	857	697
29	443	891	907	1050	---	1910	e3430	4920	5080	4130	1120	852
30	415	799	930	989	---	1780	e3500	5090	5400	3440	1150	693
31	424	---	1080	985	---	1530	---	5390	---	2870	1010	---
TOTAL	14878	27418	29508	30729	32140	61500	66780	148430	156080	154380	22081	19017
MEAN	480	914	952	991	1148	1984	2226	4788	5203	4980	712	634
MAX	715	1460	1170	1150	1680	2930	3500	6530	5510	5480	1580	962
MIN	344	531	785	874	919	1220	1110	3620	4980	2870	421	361
AC-FT	29510	54380	58530	60950	63750	122000	132500	294400	309600	306200	43800	37720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

	MEAN	409	974	1037	958	946	1472	2978	4438	4363	1839	852	704
MAX	480	1170	1227	1115	1190	1984	3754	4956	5345	4980	1413	912	
(WY)	1995	1994	1994	1993	1993	1995	1992	1993	1993	1995	1991	1993	
MIN	348	687	775	857	686	1179	2226	3130	2726	602	674	479	
(WY)	1992	1993	1993	1994	1992	1992	1995	1991	1992	1992	1994	1994	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1991 - 1995

ANNUAL TOTAL	602074	762941	
ANNUAL MEAN	1650	2090	1797
HIGHEST ANNUAL MEAN			2090
LOWEST ANNUAL MEAN			1528
HIGHEST DAILY MEAN	6970	May 12	6970
LOWEST DAILY MEAN	313	Aug 20	257
ANNUAL SEVEN-DAY MINIMUM	349	Sep 26	279
INSTANTANEOUS PEAK FLOW			7280
INSTANTANEOUS PEAK STAGE			6.39
ANNUAL RUNOFF (AC-FT)	1194000	1513000	1302000
10 PERCENT EXCEEDS	4700	5180	4630
50 PERCENT EXCEEDS	885	1070	1060
90 PERCENT EXCEEDS	440	520	457

e Estimated

RIO GRANDE BASIN

08330540 TRAMWAY FLOODWAY CHANNEL AT ALBUQUERQUE, NM

LOCATION.--Lat 35°04'43", long 106°29'51", Bernalillo County, Hydrologic Unit 13020203, on right bank 300 ft downstream from Copper Boulevard Bridge, near corner of Tramway and Copper Boulevards NE in Albuquerque.

DRAINAGE AREA.--1.60 mi².

PERIOD OF RECORD.--July 1987 to current year (seasonal record).

GAGE.--Water-stage recorder and concrete-lined channel. Elevation of gage is 5,760 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. Some minor streamflow may exist on days where daily mean discharges have been recorded as zero due to the sensitivity limits of the streamflow monitoring equipment.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,250 ft³/s, July 9, 1988, gage height, 7.62 ft, from floodmarks, from step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 0.26 ft³/s, at 0300 hours May 29, gage height 0.01 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.000	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00

RIO GRANDE BASIN

08330565 ARROYO DEL COYOTE NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°00'55", long 106°32'18", in NE¼NE¼ sec. 17, T. 9 N., R. 4 E., Bernalillo County Hydrologic Unit 13020203, on left bank 0.6 mi downstream from Pennsylvania Ave., 2.0 mi upstream from confluence with Tijeras Arroyo, and 2.5 southeast of Kirtland Air Force Base.

DRAINAGE AREA.--35.0 mi².

PERIOD OF RECORD.--September 1989 to October 1995 (seasonal record) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,370 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Record good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 666 ft³/s, Sept. 6, 1991, gage height, 3.95 ft, from floodmarks, from step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 31 ft³/s, at 2035 hours Aug. 22, 1995, gage height 1.35 ft, from step-backwater analysis of channel; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
17	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	.44	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.04	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.48	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.015	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.44	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	1.0	.00

RIO GRANDE BASIN

08330567 ARROYO DEL COYOTE AT MOUTH NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°01'20", long 106°33'00", in NW¼SW¼, sec. 8, T. 9 N., R. 4 E., Bernalillo County, Hydrologic Unit 13020203, on left bank 2,000 ft upstream from confluence with Tijeras Arroyo, 1.5 mi downstream from Pennsylvania Ave., and 1.5 mi south of Kirtland Air Force Base.

DRAINAGE AREA.--39.0 mi².

PERIOD OF RECORD.--September 1989 to October 1995 (seasonal record) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,290 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 500 ft³/s, Aug. 15, 1994, gage height, 4.00 ft, from floodmarks, from step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 84 ft³/s at 2055 hours Aug. 22, gage height 4.53 ft, from floodmarks, from step-backwater analysis of channel, no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
17	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	1.4	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.46	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.86	0.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.060	.000
MAX	---	---	---	---	---	---	.00	.00	.00	.00	1.4	.00
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	3.7	.00

RIO GRANDE BASIN

08330569 TIJERAS ARROYO BELOW ARROYO DEL COYOTE NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°01'37", long 106°33'48", in NW¼NE¼, sec. 7, T.9N., R.4 E., Bernalillo County, Hydrologic Unit 13020203, on right bank 1.6 mi south of Kirtland Air Force Base, and 2.3 mi southeast of intersection of Gibson Boulevard and Louisiana Boulevard.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--July 1989 to October 1995 (seasonal records) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,240 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 944 ft³/s, Aug. 11, 1992, Sept. 6, 1991; gage height, 6.90 ft, from floodmarks, from rating curve extended above 20 ft³/s on basis of slope-area measurements at gage heights 4.18 ft and 6.90 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 292 ft³/s, at 2045 hours Aug. 22, gage height, 5.30 ft, from floodmarks, from rating curve extended on basis of slope-area measurements at gage heights 4.18 ft and 6.90 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	3.8
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	.02	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	.00	.00	.00	.00	.00	.15	.00
17	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	.00	.00	.00	.00	.03	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	11	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	3.1	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	2.2	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.20
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.03	16.45	4.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.001	.53	.13
MAX	---	---	---	---	---	---	.00	.00	.00	.00	.11	3.8
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.06	33	7.9

RIO GRANDE BASIN

08330580 TIJERAS ARROYO AT MONTESSA PARK NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°01'19", long 106°35'40", Bernalillo County, Hydrologic Unit 13020203, on left bank 3.1 mi upstream from highway bridge on Interstate 25, and 3.5 mi south of Albuquerque.

DRAINAGE AREA.--122 mi².

PERIOD OF RECORD.--August 1987 to current year (seasonal records) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Recording rain gage at station. See tabulation below for monthly precipitation in inches. No flow most of time.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,090 ft³/s, July 9, 1988, gage height, 4.60 ft, from slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 1,280 ft³/s, at 2115 hours Aug. 22, gage height, 3.77 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	2.2	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
18	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	30	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	15	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	45.00	28.00
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	1.45	.93
MAX	---	---	---	---	---	---	.00	.00	.00	.00	30	20
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	89	56
(†)	1.15	0.00	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00

(†) Total rainfall accumulation in inches.

RIO GRANDE BASIN

08330600 TIJERAS ARROYO NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°00'09", long 106°38'57", in SW¼SW¼ sec.17, T.9 N., R.3 E., Bernalillo County, Hydrologic Unit 13020203, on left bank 800 ft upstream from bridge on Broadway Boulevard SE, 0.2 mi downstream from bridge on Interstate Highway 25, and 3.0 mi south of Albuquerque.

DRAINAGE AREA.--128 mi².

PERIOD OF RECORD.--October 1951 to September 1968 (annual maximum only), August 1974 to current year (seasonal records).

GAGE.--Water-stage recorder. Elevation of gage is 5,000 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 10, 1988, at site 1,700 ft downstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,930 ft³/s, July 9, 1988, gage height, 9.6 ft, from floodmarks, from slope-area measurement of peak flow; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period of seasonal operation, 370 ft³/s, at 1455 hours Aug. 22, gage height, 4.66 ft from rating curve extended above 10 cfs on basis of step-backwater analysis of channel; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
2	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
3	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
4	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
5	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
6	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
7	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
8	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
9	.00	---	---	---	---	---	.00	.00	.00	.00	.00	.00
10	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
11	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
12	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
13	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
14	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
15	1.0	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
16	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
17	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
18	.00	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
19	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
20	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.00	.00	.00	14	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	11	.00
24	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
25	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
27	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
28	---	---	---	---	---	.00	.00	.00	.00	.00	.00	9.6
29	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
30	---	---	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	---	---	---	---	---	.00	.00	.00	.00	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	0.00	0.00	0.00	25.00	9.60
MEAN	---	---	---	---	---	---	.000	.000	.000	.000	.81	.32
MAX	---	---	---	---	---	---	.00	.00	.00	.00	14	9.6
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	.00	.00	.00	50	19

RIO GRANDE BASIN

08330775 SOUTH DIVERSION CHANNEL ABOVE TIJERAS ARROYO NEAR ALBUQUERQUE, NM

LOCATION.--Lat 35°00'09", long 106°39'02", Bernalillo County, Hydrologic Unit 13020203, on right bank 600 ft upstream from confluence with Tijeras Arroyo, and 2.5 mi south of Albuquerque.

DRAINAGE AREA.--11.0 mi².

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water stage recorder and concrete control. Elevation of gage is 4,930 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,960 ft³/s, July 14, 1990, gage height, 6.30 ft from floodmarks, from rating curve extended above 30 cfs on basis of step-backwater analysis of channel; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 372 ft³/s, at 1935 hours Sept. 7, gage height, 2.40 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	3.7	.00	.00	.00	.00	.00	.00
2	.01	.00	.00	.00	.00	.36	.00	.00	.00	.00	.00	.00
3	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	e.00	.00	.95	4.5	.00	.00	.00	.00	.00	.00	.00	.00
6	e.00	.00	e11	1.1	.00	.00	.00	.00	.00	.00	.00	.00
7	---	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	e25
8	.02	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00	4.9
9	.02	13	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.7
10	.02	38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.02	37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.02	46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.04	e.90	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.17	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	e.00	.00	.00	.00	.00	.17	.00	.00	.00	2.8	.00	.00
19	e.00	.00	.00	.00	.00	.00	.50	.00	.00	e20	.00	.00
20	e.00	.00	.00	.00	.00	.00	.00	.00	.00	e.00	.00	.00
21	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.9	.00
24	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	e3.0	.00
25	e.00	.00	.00	.00	.92	.00	.00	.00	.00	.00	.00	.00
26	e18	.05	.00	.00	3.8	.00	.00	.00	.00	.00	.00	.00
27	e.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.1	.00
28	e.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	25
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	e2.2
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
MEAN	---	4.50	.39	.18	.17	.14	.017	.000	.000	.74	.32	1.99
MAX	---	46	11	4.5	3.8	3.7	.50	.00	.00	20	4.9	25
MIN	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	---	268	24	11	9.4	8.4	1.0	.00	.00	45	20	119

e Estimated

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM
(Surveillance network station)

WATER-QUALITY RECORDS

LOCATION.--Lat 34°54'21", long 106°41'04", in NE¼NE¼SW¼ sec. 24, T.08 N., R.02 E., Valencia County, Hydrologic Unit 13020203, 50 feet upstream from diversion dam, at or upstream of bridge on State Highway 47, at Isleta.

DRAINAGE AREA.--18,100 mi² (estimated).

PERIOD OF RECORD.--Water years 1972 to current year.

REMARKS.--Water-discharge measurements were made at the time water-quality samples were collected. Samples collected upstream of bridge during periods of low flow.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 1994											
06...	1100	691	426	8.2	--	15.0	633	7.6	92	--	--
26...	1145	744	--	7.9	14.5	14.5	645	7.9	--	--	--
27...	1500	593	430	8.1	--	18.0	636	8.0	102	--	--
NOV											
30...	1100	E1040	462	8.3	5.0	5.0	640	9.2	86	10	670
DEC											
15...	1015	936	452	8.1	0.5	5.0	643	9.6	89	--	--
JAN 1995											
26...	0915	1020	430	7.7	8.5	6.5	635	9.4	92	--	--
FEB											
10...	1500	951	410	8.5	--	10.5	633	9.0	97	--	--
24...	1045	1090	380	8.0	20.0	9.5	646	9.4	98	--	--
MAR											
28...	0900	1780	429	8.0	10.5	10.0	636	8.1	86	30	900
APR											
27...	1030	3500	356	8.0	8.0	13.0	641	7.9	89	--	--
MAY											
03...	1500	4450	365	7.7	--	17.0	629	8.2	103	--	--
31...	0945	5200	260	7.7	11.5	15.5	637	7.7	93	19	K300
JUN											
23...	1000	3930	237	8.1	25.5	18.5	641	7.2	92	--	--
JUL											
12...	0945	5080	276	8.2	26.0	20.0	642	6.8	89	--	--
AUG											
01...	0915	1700	350	8.2	22.5	22.0	642	6.7	92	16	170
23...	1530	1140	392	7.4	--	26.0	641	5.8	86	--	--
29...	0930	--	417	7.7	23.0	22.5	641	5.9	81	--	--
31...	1050	--	434	7.8	26.5	23.0	640	5.8	81	--	--
SEP											
01...	1330	--	430	8.1	--	26.5	639	5.7	85	--	--
05...	0915	E1000	428	8.1	--	21.0	643	6.1	82	--	--

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH IT FIELD HCO3 (00450)	BICAR- BONATE WATER DIS IT FIELD HCO3 (00453)	CAR- BONATE WATER WH IT FIELD CO3 (00447)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	130	17	41	6.8	29	1	4.1	--	138	--
27...	--	140	--	44	7.1	31	1	4.2	--	--	--
NOV											
30...	500	150	0	46	7.7	33	1	3.9	--	175	--
DEC											
15...	--	140	2	43	7.4	33	1	3.8	--	166	--
JAN 1995											
26...	--	130	11	41	6.7	30	1	3.7	--	145	--
FEB											
10...	--	140	--	43	7.3	29	1	3.6	150	--	0
24...	--	130	19	41	6.9	27	1	3.4	--	136	--
MAR											
28...	84	130	21	41	6.9	36	1	2.9	--	134	--
APR											
27...	--	120	17	36	6.3	25	1	2.9	--	120	--
MAY											
03...	--	120	--	37	6.7	27	1	3.1	124	--	0
31...	370	90	13	28	4.8	14	0.6	2.2	--	94	--
JUN											
23...	--	84	10	26	4.6	12	0.6	2.2	--	90	--
JUL											
12...	--	94	19	29	5.3	17	0.8	3.3	--	92	--
AUG											
01...	160	110	11	33	6.1	24	1	3.9	--	118	--
23...	--	120	--	35	7.1	29	1	4.4	242	--	0
29...	--	--	--	--	--	--	--	--	--	602	--
31...	--	--	--	--	--	--	--	--	--	170	--
SEP											
01...	--	--	--	--	--	--	--	--	--	151	--
05...	--	130	25	42	7.2	33	1	4.8	--	134	--

DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	0	--	--	113	118	58	15	0.50	20	256	249
27...	--	--	--	--	124	63	15	--	--	274	239
NOV											
30...	3	--	--	149	132	66	17	0.60	21	294	290
DEC											
15...	0	--	--	136	130	66	19	0.50	20	295	281
JAN 1995											
26...	0	--	--	119	123	53	16	0.60	22	263	252
FEB											
10...	--	123	--	--	124	50	14	--	--	253	221
24...	0	--	--	111	117	51	12	0.40	22	242	231
MAR											
28...	0	--	--	110	113	65	21	0.50	21	281	263
APR											
27...	0	--	--	98	114	56	14	0.30	18	241	220
MAY											
03...	--	102	--	--	100	57	14	--	--	236	206
31...	0	--	--	77	92	34	6.0	0.30	17	170	154
JUN											
23...	0	--	--	74	90	30	5.2	0.30	16	161	142
JUL											
12...	0	--	--	75	88	43	6.2	0.20	18	185	169
AUG											
01...	0	--	--	97	106	51	11	0.30	18	226	209
23...	--	198	--	--	118	57	12	--	--	248	264
29...	0	--	490	493	--	--	--	--	--	--	--
31...	0	--	140	139	--	--	--	--	--	--	--
SEP											
01...	0	--	120	124	--	--	--	--	--	--	--
05...	0	--	--	110	118	61	15	0.60	23	275	262

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS- PENED (MG/L) (00530)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	1.26	0.040	1.30	0.200	0.20	1.0	0.40	0.470	0.270	0.270
27...	70	--	--	--	--	--	--	--	--	--	--
NOV											
30...	--	1.06	0.040	1.10	0.340	0.16	0.80	0.50	0.300	0.210	0.210
DEC											
15...	--	1.17	0.030	1.20	0.410	0.19	0.80	0.60	0.270	0.210	0.220
JAN 1995											
26...	--	1.36	0.040	1.40	0.230	0.17	0.60	0.40	0.350	0.260	0.300
FEB											
10...	43	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	0.550	0.010	0.560	0.160	0.14	0.50	0.30	0.220	0.140	0.140
APR											
27...	--	--	<0.010	0.390	0.040	0.16	0.30	0.20	0.090	0.080	0.090
MAY											
03...	203	--	--	--	--	--	--	--	--	--	--
31...	--	--	<0.010	0.230	0.040	--	0.30	<0.20	0.070	0.070	0.060
JUN											
23...	--	0.190	0.010	0.200	0.020	0.18	0.40	0.20	0.190	0.070	0.020
JUL											
12...	--	--	<0.010	0.230	0.020	0.28	0.40	0.30	0.100	0.070	0.070
AUG											
01...	--	--	<0.010	0.660	0.080	0.22	0.40	0.30	0.160	0.130	0.140
23...	724	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	--	1.95	0.050	2.00	0.080	0.32	0.60	0.40	0.430	0.330	0.310

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RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
27...	78	--	<1	--	--	--	<1.0	--	<1	--	<1
NOV											
30...	--	--	--	--	--	<1	<1.0	1	<1	--	--
DEC											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
26...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	68	--	<1	--	--	--	<1.0	--	<1	--	<1
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	--	--	--	--	--	--	--	--	--	--
APR											
27...	--	<10	--	70	--	<1	--	2	--	1	--
MAY											
03...	65	--	<1	--	--	--	<1.0	--	<1	--	<1
31...	--	--	--	--	40	--	--	--	--	--	--
JUN											
23...	--	--	--	--	--	--	--	--	--	--	--
JUL											
12...	--	--	--	--	--	--	--	--	--	--	--
AUG											
01...	--	--	--	--	450	<1	<1.0	<1	<1	--	--
23...	67	--	<1	--	--	--	<1.0	--	<1	--	<1
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	13	--	--	--	--	16	--	--
27...	--	1	--	--	--	<1	--	--	12	--	--
NOV											
30...	3	<1	--	12	2	<1	--	--	28	<0.10	<0.1
DEC											
15...	--	--	--	23	--	--	--	--	20	--	--
JAN 1995											
26...	--	--	--	18	--	--	--	--	20	--	--
FEB											
10...	--	1	--	--	--	<1	--	--	22	--	--
24...	--	--	--	13	--	--	--	--	8	--	--
MAR											
28...	--	--	--	32	--	--	--	--	7	--	--
APR											
27...	3	--	1100	29	3	--	60	100	7	<0.10	--
MAY											
03...	--	1	--	--	--	<1	--	--	6	--	--
31...	--	--	--	100	--	--	--	--	6	--	--
JUN											
23...	--	--	--	58	--	--	--	--	5	--	--
JUL											
12...	--	--	--	81	--	--	--	--	6	--	--
AUG											
01...	2	3	--	29	2	<1	--	--	6	<0.10	<0.1
23...	--	1	--	--	--	<1	--	--	3	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	5	--	--	--	--	9	--	--

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MANGANESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS HG (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G) AS ZN (01093)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994										
06...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	241	484	79
27...	--	--	--	--	--	3.0	--	89	142	90
NOV										
30...	94	0.10	8	0.05	0.020	2.3	<1.0	126	E354	49
DEC										
15...	--	--	--	--	--	--	--	171	432	47
JAN 1995										
26...	--	--	--	--	--	--	--	568	1560	9
FEB										
10...	--	--	--	--	--	3.0	--	63	162	77
24...	--	--	--	--	--	--	--	179	527	50
MAR										
28...	--	--	--	--	--	--	--	252	1210	46
APR										
27...	--	--	--	--	--	--	--	1730	16300	6
MAY										
03...	--	--	--	--	--	2.0	--	555	6670	47
31...	--	--	--	--	--	--	--	1030	14500	14
JUN										
23...	--	--	--	--	--	--	--	267	2830	34
JUL										
12...	--	--	--	--	--	--	--	289	3960	14
AUG										
01...	--	--	--	--	--	--	--	65	298	82
23...	--	--	--	--	--	2.0	--	846	2600	97
29...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
SEP										
01...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	117	E316	--

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)
OCT 1994												
06...	1100	--	--	--	--	--	--	--	--	--	--	--
26...	1145	--	--	--	--	--	--	--	--	--	--	--
27...	1500	--	--	--	--	--	--	--	--	--	--	--
NOV												
30...	1100	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	1015	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
26...	0915	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	1500	--	--	--	--	--	--	--	--	--	--	--
24...	1045	--	--	--	--	--	--	--	--	--	--	--
MAR												
28...	0900	--	--	--	--	--	--	--	--	--	--	--
APR												
27...	1030	<0.007	<0.002	0.009	E0.005	<0.002	<0.004	<0.003	<0.002	<0.006	--	<0.004
MAY												
03...	1500	--	--	--	--	--	--	--	--	--	--	--
31...	0945	<0.007	<0.002	<0.005	E0.004	<0.002	<0.004	<0.003	<0.002	<0.006	--	<0.004
JUN												
23...	1000	<0.007	<0.002	0.016	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	--	<0.004
JUL												
12...	0945	<0.007	<0.002	0.016	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	--	<0.004
AUG												
01...	0915	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.01	<0.004
23...	1530	--	--	--	--	--	--	--	--	--	--	--
29...	0930	--	--	--	--	--	--	--	--	--	--	--
31...	1050	--	--	--	--	--	--	--	--	--	--	--
SEP												
01...	1330	--	--	--	--	--	--	--	--	--	--	--
05...	0915	<0.007	<0.002	0.022	E0.005	<0.002	<0.004	<0.003	<0.002	<0.006	--	0.006

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DI-SYSTON TOTAL (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER-THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	NAPH-THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	LINDANE DIS- SOLVED (UG/L) (39341)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
26...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
28...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
27...	--	--	--	--	--	--	--	<0.004	--	--	--	--
MAY												
03...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	<0.004	--	--	--	--
JUN												
23...	--	--	--	--	--	--	--	<0.004	--	--	--	--
JUL												
12...	--	--	--	--	--	--	--	<0.004	--	--	--	--
AUG												
01...	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.004	<0.1	<0.010	<0.010	<0.010
23...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
01...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	<0.004	--	--	--	--

DATE	DI-ELDRIN TOTAL (UG/L) (39380)	DI-ELDRIN DIS- SOLVED (UG/L) (39381)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)	MALA- THION, TOTAL (UG/L) (39530)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
26...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
28...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
27...	--	<0.001	--	--	--	--	--	<0.002	--	--	--	--
MAY												
03...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	<0.001	--	--	--	--	--	<0.002	--	--	--	--
JUN												
23...	--	<0.001	--	--	--	--	--	<0.002	--	--	--	--
JUL												
12...	--	<0.001	--	--	--	--	--	<0.002	--	--	--	--
AUG												
01...	<0.010	<0.001	<0.010	<0.010	<0.01	<1	<0.010	<0.002	<0.010	<0.01	<0.1	<0.01
23...	--	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
01...	--	--	--	--	--	--	--	--	--	--	--	--
05...	--	<0.001	--	--	--	--	--	<0.002	--	--	--	--

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL (UG/L) (39540)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL (UG/L) (39570)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	METHYL PARA- THION, TOTAL (UG/L) (39600)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
NOV											
30...	--	--	--	--	--	--	--	--	--	--	--
DEC											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
26...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	--	--	--	--	--	--	<0.01	<0.01	--	<0.01
APR											
27...	<0.005	--	<0.004	--	<0.002	--	<0.001	--	--	--	--
MAY											
03...	--	--	--	--	--	--	--	--	--	--	--
31...	<0.005	--	<0.004	--	0.003	--	<0.001	--	--	--	--
JUN											
23...	<0.005	--	<0.004	--	<0.002	--	<0.001	--	--	--	--
JUL											
12...	E0.003	--	<0.004	--	<0.002	--	<0.001	--	--	--	--
AUG											
01...	<0.005	<0.01	<0.004	0.01	<0.002	<0.01	<0.001	--	--	<0.01	--
23...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	<0.005	--	<0.004	--	0.025	--	<0.001	--	--	--	--

DATE	TOTAL TRI- THION (UG/L) (39786)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	2,4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT REC (UG/L) (82614)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
NOV											
30...	--	--	--	--	--	--	--	--	--	--	--
DEC											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
26...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	--	--	<0.01	--	--	--	--	--	--	--
APR											
27...	--	<0.002	<0.002	--	--	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
MAY											
03...	--	--	--	--	--	--	--	--	--	--	--
31...	--	<0.002	<0.002	--	--	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUN											
23...	--	<0.002	<0.002	--	--	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
JUL											
12...	--	<0.002	<0.002	--	--	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
AUG											
01...	<0.01	<0.002	<0.002	--	<0.01	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007
23...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	--	<0.002	<0.002	--	--	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L)	PFB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
NOV											
30...	--	--	--	--	--	--	--	--	--	--	--
DEC											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
26...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	--	--	--	--	--	--	--	--	--	--
APR											
27...	<0.002	<0.006	<0.002	<0.004	E0.007	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003
MAY											
03...	--	--	--	--	--	--	--	--	--	--	--
31...	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003
JUN											
23...	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003
JUL											
12...	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003
AUG											
01...	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003
23...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003

DATE	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L)	DCEA WATER FLTRD 0.7 U GF, REC (UG/L)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--
NOV											
30...	--	--	--	--	--	--	--	--	--	--	--
DEC											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
26...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
MAR											
28...	--	--	--	--	--	--	--	--	--	--	--
APR											
27...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
MAY											
03...	--	--	--	--	--	--	--	--	--	--	--
31...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUN											
23...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUL											
12...	<0.017	<0.001	<0.004	E0.002	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
AUG											
01...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
23...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
SEP											
01...	--	--	--	--	--	--	--	--	--	--	--
05...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

RIO GRANDE BASIN

08331000 RIO GRANDE AT ISLETA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (000009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV 1994								
30...	1145	20.0	2.00	482	8.1	7.5	9.1	213
30...	1147	60.0	1.50	467	8.2	5.5	10.0	359
30...	1149	100	1.50	464	8.2	5.0	10.1	427
30...	1151	140	4.00	463	8.2	5.0	10.1	154
30...	1153	180	3.00	460	8.2	5.0	10.3	181
30...	1155	220	0.50	457	8.2	5.0	8.6	122
30...	1157	260	0.70	457	8.2	5.0	10.2	273
30...	1159	300	0.70	458	8.2	5.0	8.7	190
30...	1201	340	3.00	458	8.2	6.0	7.7	259
30...	1203	380	2.50	458	8.2	8.0	7.1	145
JUL 1995								
12...	0815	90.0	3.60	283	8.0	20.0	6.5	--
12...	0822	140	2.00	283	8.1	20.0	6.6	--
12...	0832	190	3.10	285	8.1	20.0	6.6	--
12...	0840	240	4.50	282	8.2	20.0	6.6	--
12...	0852	340	4.00	276	8.2	20.0	6.8	--
12...	0856	290	3.60	280	8.2	20.5	6.9	--
12...	0903	390	3.70	276	8.2	20.0	6.8	--
12...	0909	440	4.60	275	8.2	20.5	6.8	--
12...	0914	490	3.40	275	8.2	20.5	6.8	--
12...	0919	540	2.20	275	8.2	21.0	6.8	--
12...	0925	590	3.60	274	8.3	21.0	6.8	--

RIO GRANDE BASIN

08332010 RIO GRANDE FLOODWAY NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1957 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1956 to current year.

WATER TEMPERATURE: October 1964 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1964 to current year.

REMARKS.--Sediment total-loads (suspended sediment plus bed material discharge), in tons per day, were determined from the regression equation developed for the period of record. Once-daily water temperature readings were made by the field observer, and once-daily specific conductance values were determined in the laboratory from daily suspended sediment samples collected by the field observer.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (water years 1964-95): Maximum daily, 1,410 microsiemens, July 23, 1976; minimum daily, 224 microsiemens, June 5, 1980.

WATER TEMPERATURE: Maximum daily, 34.5 °C, Aug. 9, 1975; minimum daily, 0.0 °C on several days during 1971-72, 1976-77, 1979, and 1983-87.

SEDIMENT CONCENTRATION (water years 1975-95): Maximum daily mean, 21,400 mg/L, Aug. 11, 1979; minimum daily mean, no flow on many days of most years.

SEDIMENT LOAD: Maximum daily, 356,000 tons, Aug. 11, 1967; minimum daily, 0 ton on many days each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 694 microsiemens, Sept. 8; minimum daily, 261 microsiemens, June 26.

WATER TEMPERATURE: Maximum daily, 32.0 °C, Aug. 11, Sept. 2, 3; minimum daily, 6.0 °C, Jan. 8.

SEDIMENT CONCENTRATION: Maximum daily mean, 8,990 mg/L, July 25; minimum daily mean, 81 mg/L, Oct. 2.

SEDIMENT LOAD: Maximum daily, 98,000 tons, July 25; minimum daily, 24 tons, Oct. 2.

WATER QUALITY DATA. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
NOV 1994											
15...	1245	1660	554	8.4	3.0	9.0	648	10.4	106	47	170
JAN 1995											
31...	1400	1120	470	8.2	11.0	7.0	644	10.4	102	--	--
MAR											
16...	1500	1350	466	8.3	22.0	16.0	641	8.7	105	--	130
JUN											
08...	1400	4390	282	8.3	26.0	19.5	636	7.8	102	--	110
JUL											
13...	1115	4660	303	8.2	31.0	23.5	643	7.2	101	--	--
AUG											
16...	1130	261	556	8.5	--	27.0	641	7.7	116	--	--
25...	1500	435	440	8.4	28.5	29.0	644	7.0	109	34	150
SEP											
20...	1515	331	467	8.6	33.0	24.5	644	8.2	117	--	--

[illegible]

RIO GRANDE BASIN

08332010 RIO GRANDE FLOODWAY NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible][illegible]

RIO GRANDE BASIN

08332010 RIO GRANDE FLOODWAY NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SEDI- MENT, DISCH, SUSP. + BED MA- TERIAL (T/DAY) (80156)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV 1994										
15...	6270	9000	46	57	64	71	81	85	97	100
JAN 1995										
31...	1150	1730	--	--	--	--	28	38	90	100
MAR										
16...	897	1360	--	--	--	--	63	75	97	100
JUN										
08...	--	--	--	--	--	--	--	--	--	--
JUL										
13...	--	--	--	--	--	--	--	--	--	--
AUG										
16...	--	--	--	--	--	--	--	--	--	--
25...	484	748	--	--	--	--	92	94	99	100
SEP										
20...	1220	1840	--	--	--	--	13	13	54	98

DATE	SED. SUSP. FALL DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.	BED MAT. SIEVE DIAM.
	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN	% FINER THAN
	1.00 MM (70346)	.062 MM (80164)	.125 MM (80165)	.250 MM (80166)	.500 MM (80167)	1.00 MM (80168)	2.00 MM (80169)	4.00 MM (80170)	8.00 MM (80171)	16.0 MM (80172)
NOV 1994										
15...	--	0	3	42	95	99	100	--	--	--
JAN 1995										
31...	--	0	1	20	81	99	100	--	--	--
MAR										
16...	--	0	1	31	84	90	91	92	97	100
JUN										
08...	--	--	--	--	--	--	--	--	--	--
JUL										
13...	--	--	--	--	--	--	--	--	--	--
AUG										
16...	--	--	--	--	--	--	--	--	--	--
25...	--	0	1	30	88	98	99	100	--	--
SEP										
20...	100	0	1	33	88	99	100	--	--	--

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

RIO GRANDE BASIN

08332050 BERNARDO INTERIOR DRAIN NEAR BERNARDO, NM

LOCATION.--Lat 34°24'56", long 106°49'15", Socorro County, Hydrologic Unit 13020203, on right bank 110 ft upstream from culvert on U.S. Highway 60, and 1.0 mi east of Bernardo.

PERIOD OF RECORD.--June 1936 to May 1937, October 1943 to current year. Monthly discharge only June 1936 to May 1937, published in WSP 828. October 1943 to September 1960 included in composite records for station 08332000 "Rio Grande near Bernardo." October 1960 to September 1964, monthly acre-ft published in WSP 1923. Daily records available in district files beginning October 1943.

GAGE.--Water-stage recorder. Elevation of gage is 4,710 ft above National Geodetic Vertical Datum of 1929, from topographic map. June 4, 1936, to May 17, 1937, nonrecording gage 300 ft downstream, and Oct. 1, 1943 to Jan. 12, 1978, water-stage recorder at site 150 ft downstream at different datum.

REMARKS.--Records good. This drain is 1 of 4 channels (stations 08331990, 08332010, and 08332030) carrying flow in valley cross section. For combined monthly flow in acre-ft of this drain, conveyance channel, floodway, and Lower San Juan Riverside drain, see tabulation below daily table for station 08332010. Several observations of water temperature were made during the year. Prior to 1952, drain was subject to overflow from floodway.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	33	24	24	24	38	68	58	67	68	62	189
2	141	23	24	24	25	40	79	46	63	80	55	178
3	140	33	24	24	25	40	76	64	65	84	49	175
4	149	46	24	24	24	40	75	59	70	69	53	146
5	149	43	25	26	25	41	68	56	70	67	56	121
6	151	42	27	24	25	41	62	64	56	68	42	133
7	153	37	26	23	25	41	75	61	48	70	34	143
8	161	30	26	23	25	59	64	77	52	75	30	140
9	144	28	25	23	25	65	64	68	69	71	31	171
10	159	28	25	22	25	61	59	49	65	47	39	186
11	163	29	26	22	26	54	56	63	72	45	43	167
12	162	33	25	23	26	53	51	59	58	42	38	170
13	158	32	25	23	26	53	48	76	50	52	52	157
14	170	31	24	23	27	39	52	73	56	57	49	164
15	156	30	23	22	26	45	56	57	61	58	60	170
16	139	30	23	22	23	57	67	49	68	65	37	173
17	144	29	24	23	22	55	62	59	67	76	55	172
18	163	30	23	24	24	54	57	63	79	65	56	128
19	142	31	23	23	26	45	56	69	88	69	67	145
20	136	31	22	23	32	59	77	71	72	70	62	168
21	137	28	22	23	37	47	77	73	78	73	78	170
22	160	27	22	22	37	52	83	86	63	69	73	173
23	169	27	24	22	37	72	86	86	54	72	65	182
24	172	26	23	23	37	75	85	93	58	77	73	177
25	173	26	23	23	38	78	73	78	76	68	114	181
26	174	26	22	23	37	79	81	72	52	56	135	167
27	169	25	22	23	37	64	67	85	54	50	131	151
28	166	25	22	23	38	73	57	89	61	54	132	161
29	166	25	23	23	---	60	69	80	68	60	158	170
30	166	25	24	24	---	57	66	61	66	62	159	187
31	134	---	24	24	---	65	---	55	---	64	176	---
TOTAL	4801	909	739	718	804	1702	2016	2099	1926	2003	2264	4915
MEAN	155	30.3	23.8	23.2	28.7	54.9	67.2	67.7	64.2	64.6	73.0	164
MAX	174	46	27	26	38	79	86	93	88	84	176	189
MIN	134	23	22	22	22	38	48	46	48	42	30	121
AC-FT	9520	1800	1470	1420	1590	3380	4000	4160	3820	3970	4490	9750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1995, BY WATER YEAR (WY)

	MEAN	72.5	30.9	27.4	26.1	26.4	48.6	58.4	61.1	55.8	57.5	67.9	71.1
MAX	155	87.9	74.2	87.7	74.5	96.9	118	129	134	146	146	164	164
(WY)	1995	1987	1987	1990	1990	1985	1969	1983	1992	1992	1992	1995	1995
MIN	.11	1.37	3.50	3.30	3.90	5.61	4.81	4.84	1.64	.18	.006	.010	.010
(WY)	1957	1957	1955	1957	1957	1954	1955	1954	1954	1956	1954	1956	1956

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1954 - 1995

ANNUAL TOTAL	28546	24896	
ANNUAL MEAN	78.2	68.2	51.3
HIGHEST ANNUAL MEAN			92.1
LOWEST ANNUAL MEAN			4.29
HIGHEST DAILY MEAN	175	Aug 27	189
LOWEST DAILY MEAN	11	Jan 1	22
ANNUAL SEVEN-DAY MINIMUM	13	Jan 1	22
INSTANTANEOUS PEAK FLOW			201
INSTANTANEOUS PEAK STAGE			6.02
INSTANTANEOUS LOW FLOW			21
ANNUAL RUNOFF (AC-FT)	56620	49380	37190
10 PERCENT EXCEEDS	141	159	112
50 PERCENT EXCEEDS	77	57	38
90 PERCENT EXCEEDS	22	23	5.5

RIO GRANDE BASIN

08334000 RIO PUERCO ABOVE ARROYO CHICO, NEAR GUADALUPE, NM

LOCATION.--Lat 35°36'04", long 107°09'56", (revised) in SW¼ sec.21, T.16 N., R.3 W., Sandoval County, Hydrologic Unit 13020204, on right bank 1.6 mi upstream from Arroyo Chico, 5.5 mi northeast of village of Guadalupe, and at mile 106.8.

DRAINAGE AREA.--420 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,950 ft above National Geodetic Vertical Datum of 1929. Prior to July 14, 1966, at datum 1.01 ft higher.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 3,700 acres upstream from station in past years, but present diversion negligible. Several observations of water temperature were made during the year. Satellite telemeter at station. No flow for many days most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 29, 1943, probably exceeded 5,000 ft³/s based on records for stations upstream and downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.01	e.30	e.20	e4.0	22	7.8	71	59	55	.00	5.1
2	.00	.01	e.40	e.10	5.3	58	8.0	70	72	39	.00	2.4
3	.00	.03	e.50	e.15	7.6	47	7.6	75	102	27	.00	.97
4	.00	.06	e.70	e.20	17	28	6.8	64	118	21	.00	.35
5	.00	1.1	.97	e.25	21	52	5.5	58	123	18	.00	.23
6	.00	1.1	3.1	e.30	25	44	5.1	66	152	12	.00	.18
7	.00	.62	5.5	e.40	26	103	6.9	64	173	7.4	.00	.86
8	.00	.48	5.4	e.50	23	34	9.2	74	183	4.3	.00	8.2
9	.00	.39	2.6	e.70	13	24	11	75	181	3.1	.00	41
10	.00	.31	e1.5	e1.0	9.6	22	15	59	149	2.1	.00	15
11	.00	.41	e1.0	e1.5	8.6	21	14	58	130	1.4	.00	2.9
12	.00	33	e.70	e1.0	9.1	21	8.3	57	127	.63	.00	.89
13	.00	111	e.40	e.70	7.5	20	9.1	54	116	.35	.00	.27
14	.22	9.8	e.25	e.80	11	18	9.1	53	113	.17	.00	.17
15	19	5.8	e.20	e1.0	87	17	10	57	115	.15	.43	.12
16	28	3.0	e.30	e.80	126	17	11	71	126	87	.87	.11
17	13	2.9	e.50	e.70	51	20	11	99	126	20	.05	.10
18	2.3	e1.5	e.60	e.60	33	21	15	115	203	12	.00	.09
19	1.4	e.70	e.50	e.50	26	22	14	97	155	34	.80	.06
20	.81	e.30	e.40	e.40	27	23	16	85	138	12	e1.0	.05
21	.45	e.40	e.50	e.30	28	23	20	95	130	3.4	e.30	.00
22	.29	e.30	e.60	e.30	29	25	32	136	111	1.7	e.10	.00
23	.20	e.25	e.40	e.40	28	29	93	163	93	.64	.03	.00
24	.14	e.30	e.30	e.60	23	24	112	166	71	.18	3.2	.04
25	.11	e.40	e.20	e.90	22	23	54	124	62	.05	109	.02
26	.09	e.30	e.30	e.80	22	19	53	107	54	.03	238	.00
27	.08	e.25	e.50	e.70	22	14	59	101	50	.02	316	.00
28	.06	e.20	e.60	e.90	19	14	61	90	47	.00	16	.08
29	.05	e.15	e.70	e1.5	---	13	57	106	39	.00	51	2.4
30	.05	e.20	e.40	e2.0	---	10	62	114	86	.00	35	20
31	.02	---	e.30	e2.5	---	6.2	---	66	---	.00	7.3	---
TOTAL	66.27	175.27	30.62	22.70	730.7	834.2	803.4	2690	3404	362.62	779.08	101.59
MEAN	2.14	5.84	.99	.73	26.1	26.9	26.8	86.8	113	11.7	25.1	3.39
MAX	28	111	5.5	2.5	126	103	112	166	203	87	316	41
MIN	.00	.01	.20	.10	4.0	6.2	5.1	53	39	.00	.00	.00
AC-FT	131	348	61	45	1450	1650	1590	5340	6750	719	1550	202

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

	MEAN	7.76	3.15	1.49	3.09	12.9	17.9	20.2	41.1	16.8	14.7	23.9	11.5
MAX	129	28.2	15.9	48.2	79.2	161	99.3	236	113	78.4	101	90.3	
(WY)	1958	1987	1987	1993	1979	1960	1958	1973	1995	1955	1957	1972	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
(WY)	1953	1953	1953	1953	1953	1953	1964	1964	1953	1959	1962	1952	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1952 - 1995

ANNUAL TOTAL	3727.72	10000.45	
ANNUAL MEAN	10.2	27.4	14.6
HIGHEST ANNUAL MEAN			48.6
LOWEST ANNUAL MEAN			1.11
HIGHEST DAILY MEAN	406	316	2000
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		2980	a6940
INSTANTANEOUS PEAK STAGE		8.73	13.53
ANNUAL RUNOFF (AC-FT)	7390	19840	10550
10 PERCENT EXCEEDS	27	100	40
50 PERCENT EXCEEDS	.81	4.3	.15
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 1,300 ft³/s on basis of slope-area measurements at gage heights 7.75 ft and 10.60 ft.

RIO GRANDE BASIN

08334000 RIO PUERCO ABOVE ARROYO CHICO, NEAR GUADALUPE, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948-56 (published as "below Cabezón"), 1981 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGES: July 1948 to June 1956, October 1981 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since August 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 214,000 mg/L, Aug. 28, 1988; minimum daily mean, no flow on many days each year.

SEDIMENT LOADS: Maximum daily, 730,000 tons, July 27, 1955; minimum daily, 0 ton on many days each year.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 178,000 mg/L, Aug. 22; minimum daily mean, no flow on many days.

SEDIMENT LOADS: Maximum daily, 50,700 tons, Aug. 27; minimum daily, 0 ton on many days.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER 0.062 MM (70331)
NOV 1994							
13...	0501	174	--	--	94400	44300	--
DEC							
02...	1045	0.40	3660	0.5	1130	1.2	84
JAN 1995							
18...	1105	0.60	3200	0.0	636	1.0	95
FEB							
03...	1126	5.6	2350	4.5	8960	135	98
MAR							
31...	1100	3.0	1230	6.0	3790	31	95
APR							
13...	0941	4.6	1120	7.5	7740	96	90

DATE	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
NOV 1994							
13...	47	57	62	71	89	98	100
DEC							
02...	--	--	--	--	--	--	--
JAN 1995							
18...	--	--	--	--	--	--	--
FEB							
03...	--	--	--	--	--	--	--
MAR							
31...	--	--	--	--	--	--	--
APR							
13...	--	--	--	--	--	--	--

RIO GRANDE BASIN

08341300 BLUEWATER CREEK ABOVE BLUEWATER DAM, NEAR BLUEWATER, NM

LOCATION.--Lat 35°16'04", long 108°06'50", SW¼SW¼, sec. 16, T.12 N., R.12 W., Cibola County, Hydrologic Unit 13020207, on left bank 2.0 mi south of Bluewater Dam, 7.0 mi west of Bluewater, and 11 mi east of Thoreau.

DRAINAGE AREA.--75.0 mi².

PERIOD OF RECORD.--October 1953 to September 1978 (annual maximum only), July 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,410 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.41	e1.0	e1.0	2.5	88	16	13	3.3	1.4	.15	.80
2	.30	.41	e1.0	e1.1	3.0	106	16	12	3.4	1.3	.12	.65
3	.28	.62	e.98	e1.2	3.3	101	15	10	3.1	1.3	.12	.57
4	.28	.73	e.98	e1.3	3.8	101	14	8.4	3.1	1.3	.09	.52
5	.28	.77	e1.1	1.7	4.8	94	14	7.2	2.8	.95	.11	.49
6	.27	.75	3.7	1.4	6.5	742	13	6.7	2.3	.83	.09	.45
7	.28	.72	17	e1.1	9.1	168	13	7.2	1.9	.95	.13	.56
8	.29	.80	12	e1.2	15	100	12	11	1.7	.83	.18	1.2
9	.30	.77	e6.0	e1.2	18	75	13	14	1.5	.77	.20	1.3
10	.29	.72	e2.5	e1.3	20	61	14	10	1.5	.72	.18	1.0
11	.29	.75	e1.4	e1.5	23	58	16	8.6	1.4	.77	.15	.79
12	.29	1.5	e1.5	e1.6	19	77	16	6.7	1.6	.72	.27	.68
13	.29	11	e1.6	e1.8	19	54	13	5.6	1.6	1.1	.18	.62
14	.43	5.0	e1.6	1.8	37	48	12	4.6	1.5	1.0	.32	.58
15	.65	e2.0	e1.7	2.0	88	50	11	4.0	1.5	.95	.57	.52
16	.63	e1.2	e1.8	2.1	93	53	9.9	3.7	1.4	1.1	.89	.49
17	.61	e1.3	e1.9	e1.7	59	56	9.8	5.1	1.7	1.3	.83	.83
18	.72	e1.4	e2.0	e1.2	48	66	11	13	1.6	1.2	.66	.52
19	.77	e1.5	e2.0	e1.1	41	61	16	15	1.4	1.2	.62	.41
20	.71	e1.6	e1.9	e1.0	43	62	16	11	1.3	.89	.62	.37
21	.51	e1.6	e1.6	e1.4	57	61	18	7.6	1.0	.72	.72	.32
22	.40	e1.5	e1.4	e1.0	74	53	18	5.7	.95	.53	.57	.32
23	.38	e1.4	e1.3	e1.4	73	38	19	4.6	.95	.41	.66	.31
24	.36	e1.5	e1.4	e1.8	82	33	19	4.1	.89	.35	.66	.31
25	.35	e1.5	e1.5	e1.7	110	28	23	3.8	.89	.29	.99	.30
26	.42	e1.5	e1.5	e1.4	95	24	29	3.3	.95	.27	.86	.27
27	.42	e1.3	e1.6	e1.2	72	21	25	3.3	1.0	.24	.90	.26
28	.43	e1.1	e1.4	e1.2	59	21	20	5.8	1.3	.22	.79	.36
29	.42	e.90	e1.2	e1.4	---	18	18	12	1.3	.16	.96	.39
30	.41	e.84	e1.1	e1.6	---	17	15	10	1.3	.15	1.3	.36
31	.41	---	e.94	e1.9	---	17	---	6.4	---	.16	.99	---
TOTAL	12.76	47.09	78.60	44.3	1178.0	2552	474.7	243.4	50.13	24.08	15.88	16.55
MEAN	.41	1.57	2.54	1.43	42.1	82.3	15.8	7.85	1.67	.78	.51	.55
MAX	.77	11	17	2.1	110	742	29	15	3.4	1.4	1.3	1.3
MIN	.27	.41	.94	1.0	2.5	17	9.8	3.3	.89	.15	.09	.26
AC-FT	25	93	156	88	2340	5060	942	483	99	48	31	33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	.51	1.12	.97	3.54	14.0	72.8	53.9	5.19	1.18	.55	2.35	.93
MAX	1.90	3.47	2.54	17.9	42.1	227	225	14.6	1.78	.88	11.7	3.48
(WY)	1994	1994	1995	1993	1995	1993	1993	1993	1993	1993	1993	1993
MIN	.093	.055	.050	.091	.46	.55	.43	.37	.077	.076	.023	.059
(WY)	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	1990	1990

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1989 - 1995

ANNUAL TOTAL	1311.96	4737.49	
ANNUAL MEAN	3.59	13.0	13.1
HIGHEST ANNUAL MEAN			44.6
LOWEST ANNUAL MEAN			.24
HIGHEST DAILY MEAN	119	Mar 20	742
LOWEST DAILY MEAN	.01	Jul 15	.09
ANNUAL SEVEN-DAY MINIMUM	.06	Jul 13	.12
INSTANTANEOUS PEAK FLOW			1940
INSTANTANEOUS PEAK STAGE			4.45
ANNUAL RUNOFF (AC-FT)	2600	9400	9480
10 PERCENT EXCEEDS	8.7	39	24
50 PERCENT EXCEEDS	1.0	1.4	.79
90 PERCENT EXCEEDS	.18	.31	.10

e Estimated

RIO GRANDE BASIN

08341365 COTTONWOOD CREEK NEAR THOREAU, NM

LOCATION.--Lat 35°20'32", long 106°12'42", in NE¼SE¼ sec.21, T.13 N., R. 13., McKinley County, Hydrologic Unit 13020207, on left bank 4.0 mi southeast of Thoreau, and 4.0 mi southwest of north end of Bluewater Lake.

DRAINAGE AREA.--77.0 mi.

PERIOD OF RECORD.--July 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,420 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e.00	e.00	e.00	90	10	13	2.5	.00	.00	e.00
2	.00	.00	.00	e.00	e.00	96	9.7	12	2.1	.00	.00	e.00
3	.00	.00	.00	e.00	e.00	83	9.7	e10	1.8	.00	.00	e.00
4	.00	.11	.00	e.00	.00	100	e8.7	e9.6	2.1	.00	.00	e.00
5	.00	.00	.00	e.00	.00	94	e8.2	e9.0	2.2	.00	.00	e.00
6	.00	.00	1.4	e.00	.00	470	e8.0	e8.8	1.6	.00	.00	e.00
7	.00	.00	6.6	e.00	.00	165	e7.8	e9.0	1.1	.00	.00	e.00
8	.00	.00	e2.1	e.00	.00	81	e7.6	12	.86	.00	.00	e.00
9	.00	.00	e1.6	e.00	e.00	59	e7.5	19	.65	.00	.00	e.00
10	.00	.00	e.00	e.00	e1.2	53	e8.0	11	.56	.00	.00	e.00
11	.00	.00	e.00	e.00	6.2	62	10	e9.8	.48	.00	.00	e.00
12	.00	.13	e.00	e.00	5.1	79	15	e9.4	.40	.00	.00	e.00
13	.00	.78	e.00	e.00	3.8	56	e9.6	e8.8	.33	.00	.00	e.00
14	.00	1.5	e.00	e.00	16	51	e8.7	e8.2	e.39	.00	.00	e.00
15	.00	.80	e.00	e.00	48	62	e8.4	e8.0	e2.0	.00	.00	e.00
16	.00	.58	e.00	e.00	56	70	e8.0	e7.8	2.3	.00	.00	e.00
17	.04	e.35	e.00	e.00	39	68	e7.7	e7.9	1.9	.00	.00	e.00
18	.03	e.25	e.00	e.00	33	69	e8.1	18	1.5	.00	.00	e.00
19	.00	e.19	e.00	e.00	29	76	12	15	1.2	.00	.00	e.00
20	.00	e.13	e.10	e.00	29	78	11	e10	1.0	.00	.00	e.00
21	.00	e.12	e.00	e.00	43	74	13	e8.0	.69	.00	.00	e.00
22	.00	e.10	e.00	e.00	63	63	14	e5.0	.12	.00	.00	e.00
23	.00	e.11	e.00	e.00	65	45	21	e3.5	.00	.00	.00	e.00
24	.00	e.10	e.00	e.00	73	38	42	3.0	.00	.00	.00	e.00
25	.00	e.10	e.00	.00	99	30	57	2.8	.00	.00	.00	e.00
26	.00	e.10	e.00	.00	90	22	66	2.5	.00	.00	e1.3	e.00
27	.00	e.08	e.00	.00	59	19	51	2.3	.00	.00	e2.1	.00
28	.00	e.04	e.00	.00	51	17	33	2.6	.00	.00	e.00	.00
29	.00	e.00	e.00	.00	---	14	22	4.1	.00	.00	e.00	.00
30	.00	e.00	e.00	.00	---	12	16	4.5	.00	.00	e.00	.00
31	.00	---	e.00	.00	---	11	---	3.2	---	.00	e.00	---
TOTAL	0.07	5.57	11.80	0.00	809.30	2307	518.7	257.8	27.78	0.00	3.40	0.00
MEAN	.002	.19	.38	.000	28.9	74.4	17.3	8.32	.93	.000	.11	.000
MAX	.04	1.5	6.6	.00	99	470	66	19	2.5	.00	2.1	.00
MIN	.00	.00	.00	.00	.00	11	7.5	2.3	.00	.00	.00	.00
AC-FT	.1	11	23	.00	1610	4580	1030	511	55	.00	6.7	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

	MEAN	.018	.24	.26	5.70	10.8	50.3	23.5	3.10	.41	.027	.37	.033
MAX	.10	1.22	1.19	34.2	33.4	143	62.8	8.32	.93	.098	.95	.19	
(WY)	1994	1994	1993	1993	1993	1993	1991	1995	1995	1992	1992	1992	1993
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1990	1990	1990	1990	1990	1990	1990	1990	1994	1993	1994	1991	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1989 - 1995

ANNUAL TOTAL	668.55	3941.42	
ANNUAL MEAN	1.83	10.8	7.89
HIGHEST ANNUAL MEAN			21.6
LOWEST ANNUAL MEAN			.006
HIGHEST DAILY MEAN	74	Mar 20	470
LOWEST DAILY MEAN	.00	Jan 1	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00
INSTANTANEOUS PEAK FLOW			813
INSTANTANEOUS PEAK STAGE			7.64
ANNUAL RUNOFF (AC-FT)	1330	7820	5720
10 PERCENT EXCEEDS	4.4	42	16
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 2000 ft³/s.

RIO GRANDE BASIN

08341400 BLUEWATER LAKE NEAR BLUEWATER, NM

LOCATION.--Lat 35°17'31", long 108°06'40", in SE¼ sec.9, T.12 N., R.12 W., Cibola County, Hydrologic Unit 13020207, at left end of Bluewater Dam on Bluewater Creek, and 2.5 mi west of Bluewater.

DRAINAGE AREA.--201 mi².

PERIOD OF RECORD.--June 1927 to December 1950 (monthend contents only, published in WSP 1732), April 1958 to current year (monthend contents only).

GAGE.--Water-stage recorder. Datum of gage is 7,345.57 ft above National Geodetic Vertical Datum of 1929. July 1958 to January 1961, nonrecording gage at nearby site, same datum. Gage heights have been converted to sea-level elevations.

REMARKS.--Lake is formed by concrete arch dam. Storage began in 1927. Capacity, 38,500 acre-ft, survey of 1945 at elevation 7,402.6 ft, crest of uncontrolled siphon spillway, which is vented to avoid drawdown below crest, and 44,200 acre-ft, at elevation 7,405.6 ft, crest of ungated spillway over dam. Capacity table used through 1944 showed a capacity of 50,300 acre-ft at crest of ungated spillway over dam, and that used from 1945-50, 43,500 acre-ft. Tables used prior to 1958 are not available and no adjustments are made for changes in tables. Dead storage, 3.4 acre-ft at elevation 7,345.4 ft, sill of lower outlet tube. Lake not usually drawn below conservation-pool level elevation, 7,365.36 ft, below which ownership is by State Game and Fish Department. Above this level, water is owned and used by Bluewater-Toltec Irrigation Co. Figures given herein represent total contents at 2400 hours.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents determined, 47,100 acre-ft, Apr. 30, 1941. Contents may have been greater on Apr. 28, 1941, when peak discharge of 800 ft³/s occurred at station 8 mi downstream; no storage at times prior to 1947.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 25,470 acre-ft, April 29, elevation, 7,394.1 ft; minimum, 10,350 acre-ft, Sept. 24, elevation, 7,379.10 ft.

MONTHEND ELEVATION AND CONTENTS, AT 2400, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	7,381.0	11,680	
Oct. 31	7,380.8	11,550	- 130
Nov. 30	7,380.4	11,240	- 310
Dec. 31	7,380.5	11,320	+ 80
CAL YR 1994			- 12,600
Jan. 31	7,380.3	11,160	- 160
Feb. 28	7,382.8	13,160	+ 2,000
Mar. 31	7,393.1	24,300	+ 11,140
Apr. 30	7,394.0	25,460	+ 1,160
May 31	7,392.2	23,160	- 2,300
June 30	7,389.6	19,970	- 3,190
July 31	7,386.0	16,040	- 3,930
Aug. 31	7,382.1	12,580	- 3,460
Sept. 30	7,379.9	10,860	- 1,720
WTR YR 1995			- 820

RIO GRANDE BASIN

08341500 BLUEWATER CREEK BELOW BLUEWATER DAM, NM

LOCATION.--Lat 35°18'13", long 108°05'56", in NW¼NW¼ sec. 3, T.12 N., R. 12 W., Cibola County, Hydrologic Unit 13020207, on left bank 0.5 mi downstream from Bluewater Dam and 11 mi west of Bluewater.

DRAINAGE AREA.--201 mi².

PERIOD OF RECORD.--March 1951 to September 1960, July 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,290 ft above National Geodetic Vertical Datum of 1929, from topographic map. March 14, 1951 to September 30, 1960 at site 0.5 mi upstream at different datum.

REMARKS.--Records good. Flow regulated by Bluewater Lake (station 08341400) 0.5 mi upstream, since 1927. No flow at times in 1955, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred Sept. 6, 1909, where Bluewater Dam washed out; stage and discharge not determined. Another major flood probably occurred July 12-19, 1919 when a stage of 13.5 was reached at station (08342000) 8.0 mi downstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.9	1.5	1.4	1.5	2.6	6.4	36	62	40	63	13
2	1.1	1.8	1.5	1.5	1.5	2.7	6.4	57	62	40	63	13
3	1.1	2.1	1.5	1.5	1.5	2.8	6.4	72	62	40	63	13
4	1.2	2.0	1.5	1.5	1.5	2.9	6.4	96	61	40	64	13
5	1.2	1.9	1.5	1.6	1.5	3.0	6.4	98	61	44	64	14
6	1.2	1.8	1.6	1.5	1.5	3.3	6.2	96	61	46	63	25
7	1.2	1.8	1.5	1.5	1.5	3.6	6.2	95	56	46	63	40
8	1.2	1.8	1.5	1.5	1.5	3.9	6.2	95	52	46	54	29
9	1.3	1.8	1.4	1.5	1.5	4.1	6.2	95	52	46	49	27
10	1.5	1.7	1.4	1.5	1.5	4.3	6.3	78	62	53	46	27
11	1.6	1.8	1.4	1.6	1.5	4.4	6.0	64	67	60	43	27
12	1.6	2.0	1.4	1.6	1.5	4.7	6.0	64	67	78	43	27
13	1.7	1.7	1.4	1.6	1.5	4.7	6.0	63	73	85	43	27
14	2.1	1.7	1.4	1.6	1.5	4.9	6.0	63	75	86	43	28
15	2.2	1.6	1.4	1.5	1.8	5.1	6.0	63	75	86	43	28
16	2.2	1.5	1.4	1.5	1.6	5.3	5.8	62	65	86	39	28
17	2.1	1.5	1.4	1.5	1.5	5.4	5.9	62	57	85	35	29
18	1.9	1.5	1.4	1.5	1.5	5.6	5.9	57	45	83	35	29
19	2.0	1.5	1.4	1.5	1.6	5.8	6.0	55	48	72	35	29
20	2.0	1.5	1.4	1.5	1.7	5.8	6.0	54	52	56	35	29
21	2.0	1.5	1.4	1.5	1.7	6.0	5.8	53	48	55	35	29
22	2.0	1.5	1.4	1.5	1.9	6.2	5.8	53	45	53	35	29
23	1.9	1.5	1.4	1.5	2.0	6.3	5.8	59	42	53	32	29
24	1.9	1.5	1.5	1.5	2.1	6.4	5.8	63	42	52	39	24
25	2.0	1.5	1.5	1.5	2.2	6.6	5.8	63	36	52	29	1.8
26	2.0	1.5	1.5	1.5	2.3	6.5	5.7	62	32	52	29	1.6
27	1.9	1.6	1.5	1.5	2.3	6.1	9.0	62	33	52	29	1.5
28	1.8	1.6	1.5	1.5	2.5	6.4	34	62	33	54	19	1.6
29	1.8	1.5	1.5	1.5	---	6.4	34	62	34	64	13	1.5
30	1.9	1.5	1.5	1.5	---	6.6	34	62	40	64	13	1.5
31	1.9	---	1.5	1.5	---	6.6	---	62	---	64	13	---
TOTAL	52.6	50.1	45.1	46.9	47.7	155.0	268.4	2088	1600	1833	1272	615.5
MEAN	1.70	1.67	1.45	1.51	1.70	5.00	8.95	67.4	53.3	59.1	41.0	20.5
MAX	2.2	2.1	1.6	1.6	2.5	6.6	34	98	75	86	64	40
MIN	1.1	1.5	1.4	1.4	1.5	2.6	5.7	36	32	40	13	1.5
AC-FT	104	99	89	93	95	307	532	4140	3170	3640	2520	1220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

	MEAN	3.59	1.50	1.35	1.46	1.69	3.19	8.38	35.8	31.3	36.7	23.2	13.0
MAX	15.1	4.48	3.90	4.39	5.02	6.25	21.7	67.4	53.3	59.1	41.0	33.0	
(WY)	1994	1994	1994	1994	1994	1993	1994	1995	1995	1995	1995	1993	
MIN	49	.51	.28	.39	.45	.68	.62	.65	.46	.48	.48	.39	
(WY)	1990	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	1989	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1989 - 1995

ANNUAL TOTAL	7113.5	8074.3	
ANNUAL MEAN	19.5	22.1	
HIGHEST ANNUAL MEAN			14.0
LOWEST ANNUAL MEAN			22.1
HIGHEST DAILY MEAN	75	Jul 7	98
LOWEST DAILY MEAN	1.1	Oct 1	1.1
ANNUAL SEVEN-DAY MINIMUM	1.2	Oct 1	1.2
INSTANTANEOUS PEAK FLOW			108
INSTANTANEOUS PEAK STAGE			3.31
ANNUAL RUNOFF (AC-FT)	14110	16020	10160
10 PERCENT EXCEEDS	51	63	43
50 PERCENT EXCEEDS	5.0	5.8	2.4
90 PERCENT EXCEEDS	1.5	1.5	.48

a-From rating curve extended above 50 ft³/s.

RIO GRANDE BASIN

08343100 GRANTS CANYON AT GRANTS, NM

LOCATION.--Lat 35°09'39", long 107°50'15", in NE¼NE¼ sec.25, T.11 N., R.10 W., Cibola County, Hydrologic Unit 13026237, on upstream side of culvert under Roosevelt Avenue, in Grants, 0.2 mi east of intersection of Roosevelt and First Avenues, and 1.1 mi upstream from confluence with Rio San Jose (formerly Bluewater Creek).

DRAINAGE AREA.--13.0 mi².

PERIOD OF RECORD.--December 1961 to October 1995 (discontinued).

GAGE.--Water-stage recorder and culvert control. Elevation of gage is 6,450 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00
MEAN	.014	.000	.000	.000	.000	.000	.000	.000	.000	.000	.002	.000
MAX	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.1	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1962	.14	2.28	1973	.000	1964
1963	.000	.015	1980	.000	1963
1964	.000	.013	1966	.000	1963
1965	.001	.039	1963	.000	1962
1966	.000	.000	1962	.000	1962
1967	.000	.015	1978	.000	1962
1968	.000	.003	1968	.000	1962
1969	.027	.32	1970	.000	1962
1970	.027	.28	1966	.000	1962
1971	.21	1.25	1977	.000	1968
1972	.57	3.49	1963	.000	1978
1973	.29	3.80	1967	.000	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1962 - 1995
ANNUAL TOTAL	10.72	0.48	
ANNUAL MEAN	.029	.001	.11
HIGHEST ANNUAL MEAN			.56
LOWEST ANNUAL MEAN			.001
HIGHEST DAILY MEAN	7.7 Aug 14	.40 Oct 15	80 Sep 8 1967
LOWEST DAILY MEAN	.00 Jan 1	.00 Oct 1	.00 Jan 1 1962
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Oct 1	.00 Jan 1 1962
INSTANTANEOUS PEAK FLOW		4.8 Aug 27	a1550 Aug 26 1936
INSTANTANEOUS PEAK STAGE		.37 Aug 27	b5.10 Aug 26 1936
ANNUAL RUNOFF (AC-FT)	21	1.0	79
10 PERCENT EXCEEDS	.00	.00	.00
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

a-From rating curve extended above 240 ft³/s, on basis of slope-area measurements at gage heights 3.17 ft, 5.10 ft and 5.38 ft.

b-Maximum gage height 5.38 ft Sept. 8, 1967.

RIO GRANDE BASIN

08343500 RIO SAN JOSE NEAR GRANTS, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980-82, 1986 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	
DEC 1994												
06...	1235	3.7	1060	8.1	7.5	13.5	604	8.8	107	<10	K4	
FEB 1995												
01...	1250	4.0	1030	8.2	14.5	15.0	--	--	--	<10	<1	
MAR												
29...	1430	4.4	982	8.6	13.5	16.5	603	7.4	97	11	--	
MAY												
24...	1005	5.9	1030	8.5	14.5	15.5	604	14.6	186	<10	K4	
JUL												
21...	0945	4.6	1000	7.6	23.0	15.5	610	8.2	103	<10	K8	
AUG												
25...	1315	3.8	1050	8.3	25.0	20.0	609	10.7	149	<10	K8	
DATE		STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)
DEC 1994												
06...	K1	320	120	72	34	100	2	5.2	242	0	198	
FEB 1995												
01...	<1	--	--	--	--	--	--	--	--	--	--	--
MAR												
29...	--	300	--	71	31	93	2	4.8	--	--	--	--
MAY												
24...	15	300	110	67	31	91	2	4.4	210	6	182	
JUL												
21...	34	310	0	71	32	91	2	4.7	525	0	--	
AUG												
25...	70	--	--	--	--	--	--	--	--	--	--	--
DATE		ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC 1994												
06...	204	240	68	0.90	33	677	--	<0.010	1.10	0.050	<0.20	
FEB 1995												
01...	--	--	--	--	--	--	--	<0.010	0.970	0.040	<0.20	
MAR												
29...	201	230	67	0.90	32	654	0.830	0.020	0.850	<0.015	<0.20	
MAY												
24...	198	220	63	0.90	25	614	--	<0.010	0.490	0.030	<0.20	
JUL												
21...	200	220	60	0.90	30	771	--	<0.010	0.730	0.070	<0.20	
AUG												
25...	--	--	--	--	--	--	--	<0.010	0.680	0.050	<0.20	

RIO GRANDE BASIN

08343500 RIO SAN JOSE NEAR GRANTS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible][illegible]

RIO GRANDE BASIN

08343500 RIO SAN JOSE NEAR GRANTS, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MANGANESE, RECOV. FM BOT- TOM MATERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MATERIAL (UG/G) (71921)	ZINC, RECOV. FM BOT- TOM MATERIAL (UG/G) (01093)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDIMENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDIMENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN (062 MM) (70331)
DEC 1994										
06...	130	0.01	30	<0.02	<0.00	3.1	<1.0	37	0.37	54
FEB 1995										
01...	--	--	--	--	--	--	--	46	0.50	86
MAR										
29...	--	--	--	--	--	--	--	24	0.29	52
MAY										
24...	--	--	--	--	--	--	--	13	0.21	72
JUL										
21...	--	--	--	0.06	0.020	2.2	0.1	--	--	--
AUG										
25...	--	--	--	--	--	--	--	22	0.22	29

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS.

[illegible][illegible][illegible]

RIO GRANDE BASIN

08353000 RIO PUERCO NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1947 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1947 to current year.

INSTRUMENTATION.--Automatic pumping sampler June 1995.

REMARKS.--Daily suspended-sediment samples are collected when flow is observed on this ephemeral stream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 267,000 mg/L, July 26, 1957; minimum daily mean, no flow on many days of each year.

SEDIMENT LOAD: Maximum daily, 2,240,000 tons, Aug. 7, 1957; minimum daily, 0 ton on many days of each year.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATION: Maximum daily mean, 180,000 mg/L, Sept. 11; minimum daily mean, no flow on many days.

SEDIMENT LOAD: Maximum daily, 118,000 tons, Sept. 11; minimum daily, 0 ton on many days.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT 1994												
17...	1300	247	2350	8.1	16.0	10.0	643	9.4	100	610	500	180
DEC 07...	0830	7.2	2800	8.4	--	4.0	646	11.3	103	660	440	150
FEB 1995												
17...	1015	7.3	2430	8.2	11.5	9.0	651	11.0	113	560	380	150
APR 26...	0915	61	1900	8.4	12.0	11.5	641	8.8	97	470	340	130
MAY 30...	0945	54	1380	8.0	13.5	14.0	642	8.1	94	360	270	100
JUN 21...	0900	96	1500	8.1	25.0	19.0	643	7.5	97	390	310	110
JUL 19...	1000	52	2400	7.8	25.0	25.0	645	6.4	93	750	640	220
AUG 25...	1130	19	1880	7.9	27.5	23.0	643	7.2	101	710	650	220

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
OCT 1994												
17...	40	280	5	6.6	141	0	116	171	1100	94	0.70	6.2
DEC 07...	70	370	6	8.0	251	8	220	218	930	290	0.90	16
FEB 1995												
17...	44	350	6	6.0	201	7	176	205	860	170	0.80	7.9
APR 26...	36	240	5	5.5	166	0	136	171	790	55	0.80	7.3
MAY 30...	26	170	4	3.4	112	0	92	133	570	29	0.70	7.0
JUN 21...	28	170	4	4.0	97	0	80	120	650	22	0.80	7.5
JUL 19...	49	280	4	7.4	130	0	107	161	1200	48	0.70	7.9
AUG 25...	39	150	2	11	71	0	58	105	820	75	0.70	8.6

RIO GRANDE BASIN

08353000 RIO PUERCO NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 1994												
17...	1870	1780	<0.010	1.00	<0.015	--	38	0.70	2.10	0.020	<0.010	--
DEC 07...	2120	1970	<0.010	0.080	<0.015	--	<0.20	0.20	0.010	0.020	0.020	--
FEB 1995												
17...	1800	1700	<0.010	0.480	0.030	0.17	18	0.20	12.0	<0.010	0.010	--
APR 26...	1440	1350	<0.010	0.550	<0.015	--	37	0.30	29.0	<0.010	<0.010	--
MAY 30...	1020	964	<0.010	0.340	0.030	--	21	<0.20	2.70	<0.010	<0.010	260
JUN 21...	1130	1040	<0.010	0.530	0.020	0.28	39	0.30	38.0	0.020	<0.010	--
JUL 19...	2000	1880	<0.010	1.20	0.020	0.28	57	0.30	45.0	0.010	<0.010	--
AUG 25...	1500	1370	<0.010	1.60	<0.015	--	2.0	0.80	1.20	0.020	<0.010	--

[illegible][illegible]

RIO GRANDE BASIN

08353000 RIO PUERCO NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)
OCT 1994												
17...	--	--	--	--	<3	--	--	--	--	--	--	--
DEC 07...	<1	--	--	--	12	<0.10	<0.1	--	--	--	--	3
FEB 1995												
17...	<1	--	--	--	<3	1.0	<0.1	--	--	--	--	9
APR 26...	<1	--	--	--	<1	0.20	<0.1	--	--	--	--	27
MAY 30...	<1	800	46	13000	<1	2.7	<0.1	<1	6	380	9	<25
JUN 21...	--	--	--	--	<1	--	--	--	--	--	--	--
JUL 19...	<1	--	--	--	<3	3.3	<0.1	--	--	--	--	38
AUG 25...	--	--	--	--	<1	--	--	--	--	--	--	--

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
OCT 1994											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC 07...	2	--	--	--	--	--	40	<10	0.14	0.030	12
FEB 1995											
17...	3	--	--	--	--	--	930	<10	--	--	13
APR 26...	3	--	--	--	--	--	570	<10	--	--	12
MAY 30...	3	5	<1.0	7500	1300	<6	1200	10	--	--	7.0
JUN 21...	--	--	--	--	--	--	--	--	--	--	--
JUL 19...	3	--	--	--	--	--	1300	10	0.16	0.030	7.7
AUG 25...	--	--	--	--	--	--	--	--	--	--	--

DATE	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	TH-232 2 SIGMA SED. SUSP, TOTAL, DRY WGT (PCI/G) (75936)	TH-230 2 SIGMA SED. SUSP, TOTAL, DRY WGT (PCI/G) (75939)	TH-230 2 SIGMA SED. SUSP, TOTAL, DRY WGT (PCI/G) (75952)	TH-232 2 SIGMA SED. SUSP, TOTAL, DRY WGT (PCI/G) (75953)	SEDI- MENT, DIS- SIEVE CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- SIEVE CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. SIEVE DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM (70343)
OCT 1994											
17...	--	--	--	--	--	79700	53100	97	--	--	--
DEC 07...	<1.0	--	--	--	--	659	13	99	--	--	--
FEB 1995											
17...	0.3	--	--	--	--	32500	644	100	--	--	--
APR 26...	0.3	--	--	--	--	79500	13200	99	--	--	--
MAY 30...	--	--	--	--	--	76100	11100	95	--	--	--
JUN 21...	--	--	--	--	--	94100	24400	85	--	--	--
JUL 19...	0.5	0.17	1.3	0.16	1.4	122000	17100	97	64	99	100
AUG 25...	--	--	--	--	--	20600	1060	100	--	--	--

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

RIO GRANDE BASIN

08353000 RIO PUERCO NEAR BERNARDO, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible]

RIO GRANDE BASIN

08354500 SOCORRO MAIN CANAL NORTH AT SAN ACACIA, NM

LOCATION.--Lat 34°15'17", long 106°53'43", in SE¼NW¼ sec.1, T.1 S., R.1 W., Socorro County, Hydrologic Unit 15020203, on right bank at San Acacia, and 0.5 mi downstream from point of diversion.

PERIOD OF RECORD.--April 1936 to September 1964 (monthly discharge only), October 1964 to current year.

REVISED RECORDS.--WSP 1242: 1951.

GAGE.--Water-stage recorder. Datum of gage is 4,660.16 ft above National Geodetic Vertical Datum of 1929 (U.S. Bureau of Reclamation bench mark). Prior to Mar. 8, 1958, at site 300 ft upstream (in old channel) at datum 0.42 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. This canal is 1 of 3 channels (stations 08354800, 08354900) carrying flow in valley cross section. For combined monthly flow in acre-ft of this canal, conveyance channel, and floodway, see tabulation below daily table for 08354900. Canal diverts water from right bank of Rio Grande for irrigation of about 8,000 acres. Alamillo acequia and 3 other smaller ditches divert water from canal upstream from station for irrigation of about 400 acres. Discharge records collected at the canal heading from October 1964 to September 1965 indicate that 7,770 acre-ft or 9% reaching the regular gaging station. Several observations of water temperature were made during the year. No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	128	.00	.00	.00	e130	244	270	274	293	306	186
2	232	e30	.00	.00	.00	155	248	279	269	285	313	201
3	239	e20	.00	.00	.00	160	241	271	270	280	309	210
4	233	e11	.00	.00	.00	171	253	268	267	282	316	263
5	225	4.0	.00	.00	.00	195	262	272	275	263	325	280
6	240	.00	.00	.00	.00	223	268	249	269	277	314	276
7	242	.00	.00	.00	.00	255	266	263	264	285	316	279
8	238	.00	.00	.00	.00	260	258	257	273	292	317	235
9	245	.00	.00	.00	.00	262	209	259	260	293	316	213
10	248	.00	.00	.00	.00	247	59	257	251	286	318	202
11	256	.00	.00	.00	.00	245	156	258	256	290	315	204
12	257	.00	.00	.00	.00	248	239	266	272	294	311	212
13	254	.00	.00	.00	.00	243	246	263	261	285	320	205
14	236	.00	.00	.00	.00	244	262	263	267	290	320	212
15	197	.00	.00	.00	.00	246	256	258	265	296	322	240
16	196	.00	.00	.00	.00	251	263	265	265	294	308	245
17	189	.00	.00	.00	.00	253	265	275	272	292	316	247
18	186	.00	.00	.00	.00	255	256	278	272	285	295	e180
19	182	.00	.00	.00	.00	252	256	271	273	286	220	e113
20	195	.00	.00	.00	.00	248	260	272	271	289	214	200
21	210	.00	.00	.00	.00	250	262	273	282	288	222	205
22	216	.00	.00	.00	.00	246	266	280	295	286	244	210
23	218	.00	.00	.00	.00	244	263	276	276	289	249	212
24	216	.00	.00	.00	.00	246	256	272	283	291	247	210
25	217	.00	.00	.00	.00	244	254	264	286	295	243	206
26	213	.00	.00	.00	.00	244	256	275	279	300	249	205
27	217	.00	.00	.00	.00	248	257	262	282	297	251	202
28	205	.00	.00	.00	.00	251	255	275	289	311	222	164
29	210	.00	.00	.00	---	251	258	275	295	307	192	137
30	209	.00	.00	.00	---	256	263	273	295	293	187	139
31	204	---	.00	.00	---	245	---	268	---	312	177	---
TOTAL	6858	193.00	0.00	0.00	0.00	7268	7357	8307	8208	9006	8574	6293
MEAN	221	6.43	.000	.000	.000	234	245	268	274	291	277	210
MAX	257	128	.00	.00	.00	262	268	280	295	312	325	280
MIN	192	.00	.00	.00	.00	130	59	249	251	263	177	113
AC-FT	13600	383	.00	.00	.00	14420	14590	16480	16280	17860	17010	12480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

	MEAN	123	9.61	8.03	7.35	5.42	146	196	196	191	172	147	126
	MAX	257	86.0	79.0	56.7	52.4	234	246	269	298	291	277	223
	(WY)	1994	1989	1976	1976	1979	1995	1989	1993	1994	1995	1995	1992
	MIN	17.1	.000	.000	.000	.000	39.4	121	81.0	49.9	43.8	56.2	12.6
	(WY)	1964	1967	1964	1964	1964	1983	1967	1977	1977	1964	1964	1975

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1964 - 1995
ANNUAL TOTAL	59398.00	62064.00	
ANNUAL MEAN	163	170	111
HIGHEST ANNUAL MEAN			170
LOWEST ANNUAL MEAN			63.7
HIGHEST DAILY MEAN	324	325	325
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	117800	123100	80560
10 PERCENT EXCEEDS	295	290	234
50 PERCENT EXCEEDS	217	239	118
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

RIO GRANDE BASIN

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937-56, 1959 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July to December 1937, March 1939 to September 1956, October 1964 to current year.

WATER TEMPERATURE: October 1947 to August 1956, January 1959 to current year.

SUSPENDED-SEDIMENT DISCHARGE: July 1946 to June 1956, January 1959 to current year.

REMARKS.--Sediment total-loads (suspended sediment plus bed material discharge), in tons per day, were determined from the regression equation for the period of record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,700 microsiemens, July 14, 1940; minimum daily, 236 microsiemens, June 1, 1995.

WATER TEMPERATURE: (1947-56, 1959-62, 1964-95): Maximum daily, 34.5 °C, July 13, 1971; minimum daily, 0.0 °C on many days during winter months of most years.

SEDIMENT CONCENTRATION: Maximum daily mean, 223,000 mg/L, Aug. 11, 1946; minimum daily mean, no flow on many days of most years.

SEDIMENT LOAD: Maximum daily, 1,760,000 tons, Aug. 12, 1955; minimum daily, 0 ton on many days of most years.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,740 microsiemens, Aug. 25; minimum daily, 235 microsiemens, June 1.

WATER TEMPERATURE: Maximum daily, 27.0 °C, on several days during July to September; minimum daily, not determined.

SEDIMENT CONCENTRATION: Maximum daily mean, 84,000 mg/L, Sept. 10; minimum daily mean, 71 mg/L, Oct. 4.

SEDIMENT LOAD: Maximum daily, 202,000 tons, Sept. 10; minimum daily, 13 tons Oct. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV 1994	16...	1940	599	8.3	8.0	8.0	644	10.4	104	54	2000	2800
MAR 1995	14...	1450	488	8.0	21.0	13.0	647	9.2	103	27	140	440
JUN 06...	1440	4500	310	8.3	33.5	21.5	636	7.3	100	28	190	300
AUG 24...	1500	586	1330	7.8	33.0	26.5	646	7.0	104	1100	11000	11000

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (MG/L AS) (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (MG/L AS) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (MG/L AS) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV 1994	170	55	52	9.6	54	2	4.4	139	0	114	143	110
MAR 1995	140	52	43	7.9	40	1	4.5	107	0	88	124	76
JUN 06...	110	21	34	6.3	21	0.9	2.7	109	0	89	94	50
AUG 24...	340	260	100	21	150	4	7.1	98	0	80	211	420

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
NOV 1994	26	0.60	21	351	0.910	0.010	0.920	<0.015	1.2	0.770	0.130
MAR 1995	22	0.50	23	274	--	<0.010	0.780	<0.015	0.70	0.430	0.150
JUN 06...	7.8	0.40	17	194	--	<0.010	0.230	<0.015	0.30	0.120	0.070
AUG 24...	94	0.70	16	862	--	<0.010	1.10	0.020	2.4	1.10	0.020

RIO GRANDE BASIN

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV 1994 16...	26	4	4	120	<1	<1.0	24	<1	47	2	<3
MAR 1995 14...	7.5	--	--	110	--	--	--	--	--	--	<3
JUN 06...	12	--	--	40	--	--	--	--	--	--	24
AUG 24...	86	--	1	250	7	<1.0	120	<1	290	3	<3

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)
NOV 1994 16...	48	<1	0.10	<0.1	1	<1	160	<3	3.0	0.6	20
MAR 1995 14...	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	400	<1	0.70	<0.1	--	1	700	<3	--	--	--

DATE	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)
NOV 1994 16...	200	12	<1	3	<5	3	4100	<10	110	<0.01	9
MAR 1995 14...	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	--	--	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	DI- SYSTON TOTAL (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)
NOV 1994 16...	1030	--	--	--	--	--	--	--	--	--	--
MAR 1995 14...	1345	--	--	--	--	--	--	--	--	--	--
JUN 06...	1440	--	--	--	--	--	--	--	--	--	--
AUG 24...	1500	<0.01	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.1	<0.010

RIO GRANDE BASIN

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APRENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)
NOV 1994 16...	--	--	--	--	--	--	--	--	--	--	--
MAR 1995 14...	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--
AUG 24...	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<1	<0.010	<0.010	<0.01	<0.1

DATE	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION TOTAL (UG/L) (39786)	2, 4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
NOV 1994 16...	--	--	--	--	--	--	--	--	--	--	--
MAR 1995 14...	--	--	--	--	--	--	--	--	--	--	--
JUN 06...	--	--	--	--	<0.01	<0.01	--	<0.01	--	<0.01	--
AUG 24...	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	<0.01

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	STREAM WIDTH (FT) (00004)	STREAM DEPTH, MEAN (FT) (00064)	STREAM VELOC- ITY, MEAN (F/S) (00055)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SEDI- MENT, DISCH, SUSP. + BED MA- TERIAL (T/DAY) (80156)
OCT 1994 21...	1015	734	165	1.8	2.49	--	17.0	1450	2870	4050
NOV 16...	1030	1940	--	--	--	599	8.0	4620	24200	31200
DEC 15...	1115	1220	155	2.1	3.72	--	5.5	964	3180	4460
JAN 1995 19...	1100	1120	155	2.3	3.19	--	2.5	707	2140	3050
FEB 01...	1315	1160	155	2.1	3.49	--	7.0	832	2940	4140
MAR 14...	1345	1450	--	--	--	488	13.0	448	1750	2520
15...	1700	1370	150	3.8	2.41	--	14.0	415	1540	2230
APR 20...	1150	2650	162	4.9	3.31	--	10.0	247	1770	2550
MAY 16...	1615	3390	165	5.3	3.86	--	19.0	951	8700	11700
JUN 06...	1440	4500	--	--	--	310	21.5	2240	27200	34900
08...	1130	4390	165	5.7	4.63	--	17.5	1850	21900	28400
JUL 20...	1100	4520	162	6.3	4.43	--	35.0	1990	24300	31300
AUG 24...	1500	586	174	1.4	2.33	1330	26.5	37200	58900	73200
SEP 20...	1045	421	--	--	--	--	20.0	295	335	517

RIO GRANDE BASIN

08354900 RIO GRANDE FLOODWAY AT SAN ACACIA, NM -- Continued

WATER-QUALITY RECORDS

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT 1994										
21...	--	60	75	82	88	98	99	100	--	--
NOV 16...	69	39	48	53	62	70	81	98	100	--
DEC 15...	--	--	--	--	--	23	37	87	99	100
JAN 1995										
19...	--	--	--	--	--	26	52	90	100	--
FEB 01...	--	--	--	--	--	70	82	99	100	--
MAR 14...	97	--	--	--	--	--	--	--	--	--
15...	98	--	--	--	--	--	--	--	--	--
APR 20...	86	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	69	83	100	--	--
JUN 06...	64	--	--	--	--	--	--	--	--	--
08...	--	37	43	46	52	70	79	98	100	--
JUL 20...	--	42	50	53	61	69	75	96	100	--
AUG 24...	<99	61	74	85	93	100	--	--	--	--
SEP 20...	--	--	--	--	--	--	--	--	--	--
DATE	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)
OCT 1994										
21...	--	0	5	66	90	95	98	100	--	--
NOV 16...	0	2	5	51	98	100	--	--	--	--
DEC 15...	0	3	45	99	100	--	--	--	--	--
JAN 1995										
19...	--	0	14	85	98	99	99	100	--	--
FEB 01...	0	8	45	96	98	99	99	100	--	--
MAR 14...	--	--	--	--	--	--	--	--	--	--
15...	2	4	31	72	83	88	92	95	100	--
APR 20...	13	35	90	99	99	100	--	--	--	--
MAY 16...	4	4	72	98	98	98	98	99	100	--
JUN 06...	--	--	--	--	--	--	--	--	--	--
08...	0	4	36	68	77	83	89	93	100	--
JUL 20...	0	4	49	71	73	73	74	76	88	100
AUG 24...	1	4	67	95	98	99	100	--	--	--
SEP 20...	0	3	43	98	100	--	--	--	--	--

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM

(National stream-quality accounting network, surveillance network, and radiochemical network station)

LOCATION.--Lat 33°41'15", long 106°59'40", Socorro County, Hydrologic Unit 13020203, in Pedro Armendaris Grant No. 34, on right bank 0.4 mi northwest of Atchison, Topeka and Santa Fe Railway Co. bridge over floodway channel, 1.0 mi southwest of former site of San Marcial, 3.5 mi downstream from railroad bridge near Tiffany siding, and 51 mi downstream from heading at San Acacia.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1958 to September 1959, October 1964 to current year. Prior to October 1964 monthly discharge only published with record for Rio Grande at San Marcial (station 08358500).

GAGE.--Water-stage recorder. Datum of gage is 4,454.00 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to Apr. 29, 1958, at datum 4.19 ft higher.

REMARKS.--Water-discharge records good. Original design and plan were for conveyance channel to carry all flows up to about 2,000 ft/s. Conveyance channel is 1 of 2 channels (station 08358400) carrying flow in valley cross section. For combined monthly flow in acre-ft of this channel and floodway, see tabulation below daily table for station 08358400. Bureau of Reclamation satellite telemeter at station. No flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	406	262	246	262	262	441	441	373	465	377	322
2	253	351	258	248	261	294	433	403	408	457	403	313
3	256	293	258	259	257	341	435	380	396	470	404	346
4	264	289	258	263	255	375	409	376	425	409	367	370
5	285	283	264	267	255	390	397	402	431	421	354	336
6	275	276	289	265	253	399	373	419	405	423	383	327
7	301	275	284	263	253	390	359	431	393	423	403	342
8	342	267	280	264	251	366	380	460	369	396	363	338
9	382	275	277	266	253	363	396	401	377	410	368	335
10	404	280	274	268	253	370	439	390	423	434	355	379
11	419	284	271	269	254	373	305	387	435	363	369	351
12	426	310	277	271	254	378	319	374	457	357	386	348
13	426	307	277	274	252	401	370	403	392	379	385	365
14	458	315	276	276	251	430	359	428	394	394	393	354
15	539	320	272	273	251	394	382	444	349	397	358	318
16	525	319	277	273	253	403	411	415	391	390	368	409
17	545	301	273	271	255	417	429	383	370	448	349	396
18	562	289	270	270	256	430	410	399	392	484	356	379
19	493	287	264	271	260	429	365	446	431	478	371	406
20	416	290	258	276	263	422	358	437	414	510	315	284
21	425	298	254	278	267	367	378	444	384	529	311	315
22	419	295	245	271	276	395	386	471	409	487	342	371
23	423	291	248	270	275	395	434	455	399	469	405	373
24	410	292	252	275	274	397	464	462	419	483	422	353
25	420	294	253	303	267	412	400	446	445	440	431	349
26	382	295	251	275	265	394	409	436	500	399	416	322
27	357	291	253	276	265	396	371	420	455	396	409	328
28	347	292	252	260	265	395	358	428	423	385	408	351
29	343	286	250	264	---	393	377	443	458	372	388	397
30	365	273	250	262	---	426	402	381	450	397	317	317
31	383	---	249	263	---	447	---	394	---	402	300	---
TOTAL	12090	8924	8176	8330	7256	12044	11749	12999	12367	13267	11576	10494
MEAN	390	297	264	269	259	389	392	419	412	428	373	350
MAX	562	406	289	303	276	447	464	471	500	529	431	409
MIN	245	267	245	246	251	262	305	374	349	357	300	284
AC-FT	23980	17700	16220	16520	14390	23890	23300	25780	24530	26320	22960	20810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
MEAN	256	542	532	441	433	437	472	560	487	339	284	251	
MAX	759	1729	1880	1558	1112	1394	1679	1782	1652	1690	986	730	
(WY)	1985	1970	1966	1974	1985	1966	1966	1969	1973	1973	1973	1972	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
(WY)	1969	1977	1975	1975	1975	1977	1976	1976	1976	1976	1976	1974	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1965 - 1995
ANNUAL TOTAL	126101	129272	
ANNUAL MEAN	345	354	419
HIGHEST ANNUAL MEAN			1137
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	562	562	2200
LOWEST DAILY MEAN	186	245	.00
ANNUAL SEVEN-DAY MINIMUM	234	250	.00
ANNUAL RUNOFF (AC-FT)	250100	256400	303600
10 PERCENT EXCEEDS	466	440	1170
50 PERCENT EXCEEDS	330	369	276
90 PERCENT EXCEEDS	252	259	.00

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	
OCT 1994													
21...	0830	433	843	8.0	7.5	13.5	654	8.0	90	200	29	61	
NOV													
09...	1045	272	939	8.2	9.0	12.5	655	8.2	90	230	41	70	
DEC													
14...	1130	276	999	8.3	7.0	11.5	652	9.4	101	230	15	68	
JAN 1995													
18...	1345	270	950	8.1	11.5	10.5	653	10.1	106	230	37	69	
FEB													
16...	1015	252	952	8.2	9.0	12.0	651	9.6	105	230	41	70	
MAR													
15...	1045	408	858	8.0	20.0	13.0	654	8.8	98	200	35	61	
APR													
20...	0900	375	841	8.0	7.0	11.0	646	8.2	88	200	26	60	
MAY													
24...	1200	456	850	7.8	21.0	16.0	645	7.0	84	190	45	58	
JUN													
28...	1215	411	817	7.9	24.0	19.0	646	7.1	91	160	0	49	
JUL													
26...	1215	405	777	8.1	30.0	20.0	651	7.1	92	180	13	55	
AUG													
30...	1200	317	889	7.8	32.0	19.5	650	6.2	80	220	47	65	
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 1994													
21...	12	85	3	5.1	210	0	172	180	160	62	0.60	22	
NOV													
09...	14	110	3	5.9	234	0	191	195	180	83	0.50	25	
DEC													
14...	14	120	3	6.2	259	0	212	194	180	94	0.50	23	
JAN 1995													
18...	14	110	3	5.7	235	0	193	195	170	89	0.60	24	
FEB													
16...	13	110	3	5.5	228	0	186	190	160	86	0.50	24	
MAR													
15...	12	94	3	5.5	203	0	166	172	140	76	0.50	24	
APR													
20...	11	90	3	4.9	206	0	169	176	140	72	0.50	22	
MAY													
24...	11	98	3	4.8	177	0	145	174	140	76	0.50	23	
JUN													
28...	9.3	80	3	4.3	200	0	164	172	130	72	0.50	20	
JUL													
26...	10	81	3	4.8	202	0	166	179	120	57	0.50	23	
AUG													
30...	13	99	3	5.1	206	0	168	197	170	61	0.60	22	

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L) AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (00623)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
OCT 1994												
21...	544	513	<0.010	0.380	0.030	--	1.1	<0.20	0.640	0.090	0.090	--
NOV												
09...	625	604	<0.010	0.110	<0.015	--	<0.20	<0.20	0.060	0.060	0.060	--
DEC												
14...	641	634	<0.010	0.100	<0.015	--	0.20	<0.20	0.080	0.050	0.050	--
JAN 1995												
18...	616	599	<0.010	0.120	<0.015	--	<0.20	<0.20	0.070	0.050	0.050	--
FEB												
16...	606	582	<0.010	0.120	<0.015	--	<0.20	<0.20	0.040	0.040	--	--
MAR												
15...	543	515	<0.010	0.320	0.030	--	0.60	<0.20	0.350	0.100	0.090	--
APR												
20...	538	503	<0.010	0.190	<0.015	--	0.30	<0.20	0.080	0.060	0.070	9.7
MAY												
24...	545	499	<0.010	0.140	0.020	--	0.40	<0.20	0.190	0.040	--	--
JUN												
28...	512	464	<0.010	0.120	0.030	--	0.40	<0.20	0.180	0.060	0.060	--
JUL												
26...	487	452	<0.010	0.130	0.040	--	0.30	<0.20	0.120	0.060	0.080	--
AUG												
30...	561	539	<0.010	0.410	0.020	0.18	0.80	0.20	0.380	0.060	0.060	--

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C) (00681)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	ANTI- MONY, TOTAL (UG/L) AS SB) (01097)	ANTI- MONY, DIS- SOLVED (UG/L) AS SB) (01095)	ARSENIC TOTAL (UG/L) AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L) AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L) AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L) AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L) AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L) AS B) (01022)
OCT 1994												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
09...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	--	2100	--	<1	--	6	--	<100	--	<10	--	170
MAY												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	3.3	--	5	--	<1	--	4	--	75	--	<1	--

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
OCT 1994											
21...	--	--	--	--	--	--	--	--	--	--	<3
NOV											
09...	--	--	--	--	--	--	--	--	--	--	6
DEC											
14...	--	--	--	--	--	--	--	--	--	--	8
JAN 1995											
18...	--	--	--	--	--	--	--	--	--	--	3
FEB											
16...	--	--	--	--	--	--	--	--	--	--	<3
MAR											
15...	--	--	--	--	--	--	--	--	--	--	3
APR											
20...	--	<1	--	2	--	1	--	4	--	2000	10
MAY											
24...	--	--	--	--	--	--	--	--	--	--	<3
JUN											
28...	--	--	--	--	--	--	--	--	--	--	4
JUL											
26...	--	--	--	--	--	--	--	--	--	--	5
AUG											
30...	170	--	<1.0	--	<1	--	<1	--	2	--	<3

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
OCT 1994											
21...	--	--	--	--	1	--	--	--	--	--	--
NOV											
09...	--	--	--	--	10	--	--	--	--	--	--
DEC											
14...	--	--	--	--	18	--	--	--	--	--	--
JAN 1995											
18...	--	--	--	--	20	--	--	--	--	--	--
FEB											
16...	--	--	--	--	9	--	--	--	--	--	--
MAR											
15...	--	--	--	--	3	--	--	--	--	--	--
APR											
20...	3	--	120	360	5	<0.10	--	5	--	3	--
MAY											
24...	--	--	--	--	4	--	--	--	--	--	--
JUN											
28...	--	--	--	--	6	--	--	--	--	--	--
JUL											
26...	--	--	--	--	6	--	--	--	--	--	--
AUG											
30...	--	<1	--	--	<1	--	<0.1	--	7	--	2

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
21...	--	--	--	--	--	--	--	--	1160	1360	94
NOV											
09...	--	--	--	--	--	--	--	--	132	97	43
DEC											
14...	--	--	--	--	--	--	--	--	105	78	25
JAN 1995											
18...	--	--	--	--	--	--	--	--	72	52	--
FEB											
16...	--	--	--	--	--	--	--	--	133	90	--
MAR											
15...	--	--	--	--	--	--	--	--	490	540	--
APR											
20...	<1	--	<1	--	640	10	--	--	233	236	66
MAY											
24...	--	--	--	--	--	--	--	--	292	360	81
JUN											
28...	--	--	--	--	--	--	--	--	255	283	--
JUL											
26...	--	--	--	--	--	--	--	--	215	235	--
AUG											
30...	--	<2	--	<1.0	--	--	7	2.0	5340	4570	99

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
OCT 1994												
21...	0830	--	--	--	--	--	--	--	--	--	--	--
NOV												
09...	1045	--	--	--	--	--	--	--	--	--	--	--
DEC												
14...	1130	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	1345	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	1015	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	1045	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	0900	<0.007	<0.002	0.009	E0.004	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
MAY												
24...	1200	<0.007	<0.002	0.022	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUN												
28...	1215	<0.007	<0.002	0.009	E0.004	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUL												
26...	1215	<0.007	<0.002	0.007	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
AUG												
30...	1200	<0.007	<0.002	0.005	E0.005	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)
OCT 1994												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
09...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
MAY												
24...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUN												
28...	<0.001	0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUL												
26...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
AUG												
30...	<0.001	<0.002	<0.005	<0.004	0.004	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
09...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.004	<0.004	<0.003	<0.002	E0.031	<0.013
MAY												
24...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUN												
28...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUL												
26...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
AUG												
30...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.008	<0.004	<0.003	<0.002	<0.003	<0.013

RIO GRANDE BASIN

08358300 RIO GRANDE CONVEYANCE CHANNEL AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL-AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
21...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
09...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
20...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
MAY												
24...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUN												
28...	<0.003	<0.017	<0.001	<0.004	E0.012	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
JUL												
26...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
AUG												
30...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
APR 1995							
20...	0942	4.00	2.30	858	7.8	11.0	8.2
20...	0946	8.00	2.50	855	8.0	11.0	8.1
20...	0948	12.0	2.40	856	8.0	11.0	8.1
20...	0951	16.0	3.10	855	8.0	11.0	8.1
20...	0954	20.0	3.20	854	8.0	11.0	8.2
20...	0956	24.0	3.10	855	8.0	11.0	8.1
20...	0958	28.0	3.10	853	8.0	11.0	8.2
20...	1001	32.0	3.30	853	8.1	11.0	8.2
20...	1003	36.0	3.30	854	8.1	11.0	8.2
20...	1005	40.0	3.60	853	8.1	11.0	8.2
20...	1007	44.0	3.80	852	8.1	11.0	8.2
20...	1009	48.0	3.70	853	8.1	11.0	8.2
20...	1011	52.0	0.80	853	8.1	11.0	8.1

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM

(National stream-quality accounting network, surveillance network, and radiochemical network station)

LOCATION.--Lat 33°40'50", long 106°59'30", Socorro County, Hydrologic Unit 13020203, in Pedro Armendaris Grant No. 33, on pier of the Atchison, Topeka, and Santa Fe Railway Co. bridge, 1.1 mi downstream from former site of San Marcial, 18.5 mi southwest of San Antonio, and at mile 1,425.2.

DRAINAGE AREA.--27,700 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year. Records collected at this site January 1895 to September 1964 represented total flow of the river and were published as Rio Grande at San Marcial (station 08358500). Records of daily discharge for floodway only, April 1950, to September 1964, are available in files of district office.

GAGE.--Water-stage recorder. Datum of gage is 4,455.19 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records fair except for estimated daily discharges, which are poor. Floodway is 1 of 2 channels (station 08358300) carrying flow in valley cross section. Prior to 1950 all flow was in floodway channel. Normal plan is for floodway to carry flow when capacity of conveyance channel (about 2,000 ft³/s) is exceeded. Combined monthly discharge in acre-ft is given at end of each year table. Diversion for irrigation of about 775,000 acres upstream from station (includes about 13,800 acre-ft diverted from conveyance channel, as based on weekly measurements, data provided by Bureau of Reclamation). Bureau of Reclamation satellite telemeter at station.

AVERAGE DISCHARGE.--31 years (water years 1965-95), 818 ft³/s, 592,600 acre-ft/yr. Total flow of river, 100 years (water years 1895-1995), 1,279 ft³/s, 926,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, since January 1895, about 50,000 ft³/s, Oct. 11, 1904; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,880 ft³/s, May 29; no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	290	766	731	790	967	1130	2510	4190	4290	2390	581
2	.00	415	682	805	779	1090	970	2580	4270	4320	1940	594
3	.00	581	675	917	813	1660	719	2690	4150	4450	1320	537
4	.00	641	642	906	811	1460	625	2810	4080	4390	820	374
5	.00	601	736	890	722	1430	646	3450	4000	4360	563	260
6	.00	480	826	848	745	1720	739	3560	3970	4230	427	139
7	.00	519	863	750	888	1530	503	3260	3860	4130	306	57
8	.00	613	1060	794	834	1070	493	3480	3770	4140	191	42
9	.00	607	1000	788	850	1300	456	3730	3840	4150	118	15
10	.00	664	965	749	849	2120	781	3370	3990	4130	65	102
11	.00	908	999	695	876	1820	1190	3200	3800	4090	e20	376
12	.00	1150	909	775	879	1370	1370	2940	3850	4070	e.00	842
13	.00	979	914	909	957	1280	1490	2830	3870	3990	e.00	675
14	.00	1360	918	830	919	1240	1370	3060	3850	3960	e.00	533
15	.00	1110	865	785	877	1000	1500	3140	3880	3980	e.00	381
16	17	1340	801	744	903	1080	1270	3150	3810	3960	e.00	290
17	57	1240	869	803	892	966	1270	3060	3780	3830	e.00	240
18	419	1210	986	1020	968	759	1490	3340	3880	3780	e.00	236
19	807	1270	886	830	1400	802	2040	4090	3860	3760	e.00	296
20	596	1430	765	790	1610	982	2060	4360	4030	3800	e90	391
21	509	1020	789	812	1520	1030	2230	4270	4280	3840	196	259
22	316	834	755	774	1360	1150	1920	4050	4350	3810	199	151
23	239	810	759	730	1210	2110	1970	4220	4220	3690	198	134
24	198	784	772	799	e1150	1690	1830	4270	4100	3610	246	123
25	266	822	741	849	e1100	1720	1760	4310	4140	3550	260	110
26	272	882	655	773	e1050	1940	1910	4450	4120	3370	407	93
27	293	802	672	798	e1000	1790	2090	4590	4130	3330	300	81
28	373	792	740	761	1030	1690	1980	4780	4090	3340	407	87
29	440	742	780	793	---	1640	2120	4880	4010	3240	950	140
30	466	726	774	860	---	1490	2420	4580	4030	3140	935	264
31	336	---	719	856	---	1350	---	4340	---	2650	649	---
TOTAL	5604.00	25622	25283	25164	27782	43246	42342	113350	120200	119380	12997.00	8403
MEAN	181	854	816	812	992	1395	1411	3656	4007	3851	419	280
MAX	807	1430	1060	1020	1610	2120	2420	4880	4350	4450	2390	842
MIN	.00	290	642	695	722	759	456	2510	3770	2650	.00	15
AC-FT	11120	50820	50150	49910	55110	85780	83990	224800	238400	236800	25780	16670
(†)	35100	68520	66370	66430	69500	109700	107300	250600	262900	263100	48740	37480

CAL YR 1994 TOTAL 451771.57 MEAN 1238 MAX 5440 MIN .00 AC-FT 896100 MEAN 1583 AC-FT 1146000
WTR YR 1995 TOTAL 569373.00 MEAN 1560 MAX 4880 MIN .00 AC-FT 1129000 MEAN 1914 AC-FT 1385000

e Estimated

(†) COMBINED FLOW, IN ACRE-FEET, AND MEAN, IN CUBIC FEET PER SECOND, OF FLOODWAY AND CONVEYANCE CHANNEL.

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1905-07, 1946 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1905 to April 1907, July 1946 to current year.

WATER TEMPERATURE: January 1949 to September 1994 (discontinued).

SUSPENDED-SEDIMENT DISCHARGE: July 1946 to current year.

INSTRUMENTATION.--Automatic pump sampler September 1994.

REMARKS.--Records of chemical analyses and sediment discharge for years prior to 1946 have been published in Water Bulletins of International Boundary and Water Commission. Sediment total-loads (suspended plus bed material discharge), in tons per day, were determined from the regression equation developed for the period of record. Once-daily specific conductance values were determined in the laboratory from daily suspended sediment samples collected by Isco sampler.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,730 microsiemens, Apr. 8, 1953; minimum daily, 276 microsiemens, May 11, 1994.

SEDIMENT CONCENTRATION: Maximum daily mean, 135,000 mg/L, July 23, 1977; minimum daily mean, no flow on many days each year.

SEDIMENT LOAD: Maximum daily, 1,200,000 tons, Sept. 21, 1982; minimum daily, 0 ton on many days each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,170 microsiemens, Aug. 30; minimum daily, 297 microsiemens, June 29.

SEDIMENT CONCENTRATION: Maximum daily mean, 45,700 mg/L, Mar. 7; minimum daily mean, no flow on many days.

SEDIMENT LOAD: Maximum daily, 211,000 tons, Mar. 6; minimum daily, 0 ton on many days.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 1994												
20...	1015	555	582	8.2	11.5	11.0	--	654	9.3	98	--	--
NOV												
08...	1030	623	555	8.2	3.0	12.5	760	646	9.4	104	1700	2000
DEC												
14...	1030	919	526	8.2	8.0	4.0	--	653	11.2	100	--	--
JAN 1995												
18...	1100	857	505	7.9	6.0	1.5	--	654	12.2	102	--	--
FEB												
16...	0830	904	513	8.0	7.5	8.0	480	649	9.8	97	1400	K20
MAR												
15...	1200	970	480	8.3	16.0	11.5	--	653	9.8	105	--	--
APR												
19...	1100	2140	425	8.0	9.0	10.0	--	641	9.4	99	--	--
MAY												
24...	0830	4170	335	7.7	16.0	17.0	410	645	7.2	88	200	500
JUN												
28...	0845	4150	279	7.7	19.0	20.0	--	648	7.8	101	--	--
JUL												
26...	0915	3350	338	8.0	16.5	24.0	--	650	5.0	81	--	--
AUG												
30...	1100	975	998	8.2	26.0	23.0	16000	650	6.0	83	K3500	K2600

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS- SOLVED (MG/L AS Na) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CaCO3 (39086)	ALKA- LITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 1994												
20...	160	44	50	9.5	55	2	3.8	146	0	120	141	140
NOV												
08...	180	68	55	9.3	49	2	4.4	132	0	108	155	90
DEC												
14...	160	0	50	8.8	43	1	3.9	203	0	166	146	83
JAN 1995												
18...	160	5	49	8.8	44	2	3.7	187	0	153	142	79
FEB												
16...	160	22	48	8.8	45	2	4.1	164	0	134	138	81
MAR												
15...	150	27	45	8.3	42	2	4.2	146	0	120	124	76
APR												
19...	130	18	41	7.1	34	1	3.5	138	0	114	151	69
MAY												
24...	110	22	35	6.4	22	0.9	2.8	112	0	92	117	53
JUN												
28...	98	16	30	5.5	17	0.7	2.7	99	0	81	107	40
JUL												
26...	110	21	34	6.1	24	1	3.7	108	0	88	119	51
AUG												
30...	270	160	81	16	92	2	5.4	138	0	113	203	330

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 1994												
20...	19	0.60	16	381	371	--	<0.010	1.20	<0.015	--	2.4	<0.20
NOV												
08...	24	0.60	23	367	328	--	<0.010	1.40	<0.015	--	1.8	<0.20
DEC												
14...	24	0.50	22	341	340	0.950	0.020	0.970	<0.015	--	0.80	<0.20
JAN 1995												
18...	24	0.60	23	330	330	1.09	0.010	1.10	<0.015	--	0.60	<0.20
FEB												
16...	23	0.60	23	332	320	--	<0.010	0.970	<0.015	--	1.0	<0.20
MAR												
15...	24	0.50	23	310	298	--	<0.010	0.710	<0.015	--	0.70	<0.20
APR												
19...	18	0.50	19	287	263	--	<0.010	0.580	<0.015	--	0.30	<0.20
MAY												
24...	9.9	0.30	17	218	203	--	<0.010	0.230	0.020	--	<0.20	--
JUN												
28...	6.9	0.30	17	190	169	--	<0.010	0.230	0.030	--	0.30	<0.20
JUL												
26...	9.3	0.30	19	220	202	--	<0.010	0.350	0.030	0.17	0.70	0.20
AUG												
30...	26	0.70	13	684	639	--	<0.010	1.20	<0.015	--	4.2	--

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CYANIDE TOTAL (MG/L AS CN) (00720)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT 1994												
20...	1.40	0.070	0.080	--	--	--	--	--	--	--	--	--
NOV												
08...	1.30	0.210	0.190	--	--	--	--	10	--	--	--	--
DEC												
14...	0.590	0.430	0.180	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	0.450	0.160	0.210	--	--	--	--	--	--	--	--	--
FEB												
16...	0.940	0.240	0.220	--	--	--	--	<10	--	--	--	--
MAR												
15...	0.550	0.160	0.150	--	--	--	--	--	--	--	--	--
APR												
19...	0.320	0.120	0.130	6.5	--	<0.010	9000	--	<1	--	5	--
MAY												
24...	0.070	0.050	--	11	--	<0.010	13000	30	1	--	2	--
JUN												
28...	0.090	0.070	0.070	--	--	--	--	--	--	--	--	--
JUL												
26...	0.280	0.060	0.090	--	--	--	--	--	--	--	--	--
AUG												
30...	9.50	0.020	0.030	--	4.7	<0.010	--	<10	--	<1	--	3

DATE	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 1994												
20...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
08...	--	53	--	--	--	--	--	--	--	--	--	<3
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	62	--	--	--	--	--	--	--	--	--	<3
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
19...	200	--	<10	--	110	--	<1	--	8	--	6	--
MAY												
24...	300	52	<10	--	80	--	<1	--	10	--	7	<3
JUN												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	--	78	--	<1	--	120	--	<1.0	--	<1	--	<3

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
OCT 1994												
20...	--	--	--	8	--	--	--	--	--	<1	--	--
NOV												
08...	--	--	--	10	--	--	--	49	--	<1	--	--
DEC												
14...	--	--	--	10	--	--	--	--	--	1	--	--
JAN 1995												
18...	--	--	--	7	--	--	--	--	--	1	--	--
FEB												
16...	--	--	--	5	--	--	--	39	--	<1	--	--
MAR												
15...	--	--	--	19	--	--	--	--	--	<1	--	--
APR												
19...	15	--	11000	17	14	--	80	--	480	2	<0.10	--
MAY												
24...	12	--	14000	27	14	--	70	26	440	3	<0.10	--
JUN												
28...	--	--	--	34	--	--	--	--	--	5	--	--
JUL												
26...	--	--	--	34	--	--	--	--	--	3	--	--
AUG												
30...	--	4	--	<3	--	<1	--	36	--	<1	--	<0.1

DATE	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT 1994												
20...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
08...	--	10	--	<1	--	<1	--	<1.0	--	530	<6	--
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	<10	--	<1	--	<1	--	<1.0	--	420	<6	--
MAR												
15...	--	5	--	--	--	--	--	--	--	--	--	--
APR												
19...	3	--	14	--	<1	--	<1	--	450	--	--	50
MAY												
24...	<1	--	14	<1	<1	<1	<1	<1.0	410	310	<6	50
JUN												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	--	10	--	2	--	<2	--	<1.0	--	990	<6	--

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)
OCT 1994												
20...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
08...	--	<2.0	1.6	60	180	2	<1	3	<5	2	4200	<10
DEC												
14...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
15...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
19...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
26...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
30...	5	--	--	--	--	--	--	--	--	--	--	--

DATE	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DISCH, SUSP. + BED MA- TERIAL (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994										
20...	--	--	--	--	--	--	--	11200	16800	19900
NOV										
08...	100	<0.01	9	0.21	0.040	3.4	<1.0	2300	3870	--
DEC										
14...	--	--	--	--	--	--	--	1270	3150	4260
JAN 1995										
18...	--	--	--	--	--	--	--	857	1980	2790
FEB										
16...	--	--	--	--	--	--	--	1710	4170	5530
MAR										
15...	--	--	--	--	--	--	--	1440	3770	5040
APR										
19...	--	--	--	--	--	--	--	1970	11400	13900
MAY										
24...	--	--	--	0.05	0.010	1.3	0.0	1330	15000	17900
JUN										
28...	--	--	--	--	--	--	--	891	9980	12300
JUL										
26...	--	--	--	--	--	--	--	503	4550	5990
AUG										
30...	--	--	--	--	--	4.0	--	26000	68400	71900

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible]

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

RIO GRANDE BASIN

08358400 RIO GRANDE FLOODWAY AT SAN MARCIAL, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV 1994								
08...	1127	134	0.75	575	8.6	11.5	9.4	--
08...	1129	124	3.12	576	8.3	11.5	9.3	2260
08...	1132	114	3.22	573	8.3	11.5	9.3	2310
08...	1134	104	2.71	572	8.2	11.5	9.3	2390
08...	1135	94.0	2.35	573	8.2	11.5	9.3	2170
08...	1136	84.0	1.88	574	8.2	11.5	9.3	2170
08...	1137	74.0	1.90	573	8.2	11.5	9.3	2260
08...	1138	64.0	2.10	576	8.2	11.5	9.4	2230
08...	1139	54.0	2.40	574	8.2	11.5	9.4	2390
08...	1141	44.0	2.50	571	8.2	11.5	9.4	2390
08...	1142	34.0	2.48	573	8.2	11.5	9.4	2770
08...	1143	24.0	2.46	571	8.2	11.5	9.4	2440
08...	1144	14.0	2.03	572	8.2	11.5	9.4	2450
08...	1145	4.00	0.98	319	8.2	11.5	9.4	--
APR 1995								
19...	1437	20.0	3.10	425	7.9	11.0	8.6	--
19...	1440	40.0	2.70	395	8.0	11.5	8.6	--
19...	1444	60.0	2.40	400	8.0	11.5	8.6	--
19...	1447	80.0	2.20	425	8.0	11.5	8.7	--
19...	1449	100	2.00	420	8.0	11.5	8.6	--
19...	1450	120	1.90	429	8.1	11.5	8.7	--
19...	1452	140	1.90	425	8.1	11.5	8.6	--
19...	1454	160	2.40	416	8.1	11.5	8.7	--
19...	1455	180	3.70	427	8.1	11.5	8.6	--

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	567	568	---	515	503	465	453	---	341	364	648
2	---	---	564	---	515	---	494	448	---	329	377	572
3	---	---	565	---	514	---	514	---	---	320	388	622
4	---	559	566	---	516	---	525	437	---	320	410	582
5	---	558	535	---	525	---	524	---	---	310	437	572
6	---	569	535	---	524	---	533	---	---	314	447	548
7	---	569	551	---	513	---	547	---	---	308	455	558
8	---	557	527	---	514	---	563	---	---	311	474	572
9	---	538	526	---	519	487	565	391	345	314	483	580
10	---	547	547	---	522	507	542	---	342	320	503	562
11	---	---	---	---	563	501	---	---	342	321	522	553
12	---	---	---	---	561	506	---	---	334	318	526	924
13	---	---	---	---	538	505	---	---	323	321	---	723
14	---	---	---	---	539	489	---	---	319	324	533	593
15	---	---	545	---	528	491	---	---	317	322	530	544
16	565	---	580	---	521	492	---	---	315	327	528	529
17	545	---	553	537	514	505	---	---	308	334	526	529
18	899	580	533	526	505	538	---	---	307	347	528	519
19	720	635	531	518	587	553	---	384	308	368	519	512
20	561	622	540	520	489	569	---	387	309	366	578	522
21	533	609	545	517	496	552	---	382	316	365	716	520
22	524	572	549	378	469	556	---	364	334	351	602	534
23	559	563	555	533	483	505	---	350	319	345	602	542
24	575	563	550	532	505	551	---	347	312	345	552	553
25	---	562	564	506	502	539	---	355	320	339	716	543
26	---	571	573	518	499	520	---	359	308	339	1020	557
27	---	565	567	518	506	500	---	355	305	340	674	551
28	---	---	551	525	520	495	481	---	298	341	720	541
29	---	564	540	524	---	494	446	---	297	347	1040	525
30	---	---	---	518	---	504	444	---	299	349	1170	559
31	---	---	---	513	---	481	---	---	---	359	901	---
MEAN	---	---	---	---	518	---	---	---	---	334	---	573
MAX	---	---	---	---	587	---	---	---	---	368	---	924
MIN	---	---	---	---	469	---	---	---	---	308	---	512

RIO GRANDE BASIN

08362500 RIO GRANDE BELOW CABALLO DAM, NM

LOCATION.--Lat 32°53'05", long 107°17'31", in NE¼SW¼ sec.30, T.16 S., R.4 W., Sierra County, Hydrologic Unit 13030102, on left bank 2,000 ft upstream from Interstate Highway 25, 4,200 ft downstream from Caballo Dam, 1.2 mi downstream from Apache Canyon, 1.3 mi upstream from Percha diversion dam, 3 mi northeast of Arrey, 5 mi south of Caballo, and at mile 1,355.6.

DRAINAGE AREA.--30,700 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--January 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,140.9 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 7, 1938, at datum 7.0 ft higher, Oct. 7-12, 1938, at datum 6.0 ft higher, and Oct. 13, 1938, to Dec. 31, 1945, at datum 5.0 ft higher than present datum.

REMARKS.--Flow regulated by Caballo Reservoir (station 08362000), capacity, 331,500 acre-ft, 1981 survey and Elephant Butte Reservoir (station 08360500), capacity, 2,065,000 acre-ft, 1988 survey. Diversions for irrigation of about 800,000 acres upstream from station. Figures of daily discharge do not include Bonita ditch, which diverts from Caballo Dam and bypasses station for irrigation downstream. See monthly table below for record of ditch. Bureau of Reclamation satellite telemeter at station.

COOPERATION.--Records provided by Bureau of Reclamation.

AVERAGE DISCHARGE.--57 years, 924 ft³/s, 669,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 7,650 ft³/s, May 20, 1942; minimum daily, 0.1 ft³/s, Oct. 31 to Nov. 14, 1954, Nov. 7 to Dec. 31, 1955, Feb. 15-29, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,540 ft³/s, July 17; minimum daily 2.0 ft³/s, Jan. 11-16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	8.0	5.0	4.0	161	1170	1550	2010	3050	3590	3540	2290
2	1163	8.0	5.0	4.0	161	1110	1570	2000	3060	3470	3210	2450
3	1150	3.0	5.0	4.0	161	1110	1550	1990	3010	3760	2770	2460
4	1174	5.0	5.0	4.0	161	1140	1470	1990	3010	3810	2600	2440
5	1195	5.0	5.0	4.0	161	1150	1450	1820	3010	3910	2610	2330
6	1168	5.0	5.0	4.0	315	1270	1450	1610	3010	4040	2600	2200
7	1146	5.0	5.0	4.0	348	1390	1280	1620	3020	4140	2600	2180
8	1132	5.0	5.0	4.0	318	1360	1140	1610	3030	4170	2560	2180
9	1116	5.0	5.0	4.0	310	1420	1170	1760	3040	4130	2540	2180
10	1099	5.0	5.0	4.0	295	1730	1150	1870	3050	4100	2530	2180
11	1082	5.0	5.0	2.0	309	1960	1350	1860	3060	4050	2680	1890
12	1062	5.0	5.0	2.0	322	1950	1520	1770	3070	4040	2870	1560
13	1063	5.0	5.0	2.0	600	2040	1540	1680	3090	4270	2860	1440
14	1108	5.0	5.0	2.0	661	2260	1400	1670	3100	4460	2850	1370
15	1200	5.0	5.0	2.0	538	2360	1270	1670	3090	4470	2500	1170
16	1189	5.0	4.0	2.0	538	2370	1270	2030	3080	4480	2300	819
17	1178	5.0	4.0	118	595	2440	1270	2460	3080	4540	2250	789
18	850	5.0	4.0	284	653	2540	1480	2450	3070	4350	2000	784
19	318	5.0	4.0	288	657	2540	1700	2460	3070	4100	1720	783
20	310	5.0	4.0	290	657	2540	1700	2490	3070	4100	1720	797
21	316	8.0	4.0	293	663	2630	1530	2490	3060	4100	1790	961
22	316	8.0	4.0	295	663	2670	1360	2500	3070	4090	1960	983
23	319	8.0	4.0	298	663	2600	1370	2500	3090	4080	2130	903
24	323	8.0	4.0	301	701	2490	1380	2510	3100	4080	2180	902
25	325	8.0	4.0	302	748	2370	1550	2510	3100	4060	2250	900
26	334	8.0	4.0	302	740	2360	1720	2440	3100	4040	2310	943
27	324	8.0	4.0	267	748	2360	1730	2130	3370	4030	2300	1000
28	157	8.0	4.0	162	981	2240	1750	2150	3480	4030	2300	1010
29	6.0	5.0	4.0	161	---	2070	2010	2150	3500	4030	2280	1010
30	7.0	5.0	4.0	160	---	2080	2010	2160	3570	4030	2260	1010
31	8.0	---	4.0	161	---	1820	---	2740	---	3780	2240	---
TOTAL	23318.0	178.0	139.0	3734.0	13828	61540	44690	65100	93510	126330	75310	43914
MEAN	752	5.93	4.48	120	494	1985	1490	2100	3117	4075	2429	1464
MAX	1200	8.0	5.0	302	981	2670	2010	2740	3570	4540	3540	2460
MIN	6.0	3.0	4.0	2.0	161	1110	1140	1610	3010	3470	1720	783
AC-FT	46250	353	276	7410	27430	122100	88640	129100	185500	250600	149400	87100
(†)	47	0	0	0	75	62	0	144	76	63	53	55

CAL YR 1994 TOTAL 447984.0 MEAN 1227 MAX 3570 MIN 3.0 AC-FT 888600

WTR YR 1995 TOTAL 551591.0 MEAN 1511 MAX 4540 MIN 2.0 AC-FT 1094000

(†) DIVERSION, IN ACRE-FEET, BY BONITA DITCH; DIVERTS DIRECTLY FROM CABALLO DAM AND THIS DIVERSION IS NOT INCLUDED IN THE RIVER RECORDS.

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX
(National stream-quality accounting network
and National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

LOCATION.--Lat 31°48'10", long 106°32'25", El Paso County, Hydrologic Unit 13030102, on downstream side of first pier from left abutment of Courchesne Bridge at El Paso, 1.7 mi upstream from American Dam, 5.6 mi upstream from Santa Fe Street-Juarez Avenue Bridge between El Paso and Cd. Juarez, Chihuahua, and at mile 1,249.

DRAINAGE AREA.--32,207 mi², approximately, including 2,940 mi² in closed basin in San Luis Valley, CO.

PERIOD OF RECORD.--Water years 1930 to current year.

REMARKS.--Records of discharge are given in International Boundary and Water Commission Water Bulletins.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT 1994											
19...	1015	990	992	8.4	11.0	15.0	--	675	9.1	102	--
NOV											
01...	0900	320	1430	8.5	11.5	13.0	22	674	8.6	92	320
DEC											
06...	0830	208	1790	8.3	12.0	11.0	--	671	9.2	96	--
JAN 1995											
07...	0900	178	1790	8.5	5.5	6.0	--	676	10.9	100	240
12...	1425	130	1850	8.5	15.5	14.0	9.7	662	10.2	115	--
FEB											
14...	0815	203	1470	8.3	13.5	12.5	63	663	8.4	92	190
MAR											
14...	0930	858	860	8.1	15.5	14.5	--	673	9.0	100	--
APR											
18...	0730	900	1000	8.5	3.5	11.0	--	665	9.2	96	--
MAY											
23...	0745	1140	935	8.1	20.0	20.0	38	660	7.0	89	240
JUN											
27...	0800	2520	835	8.1	19.0	23.0	--	665	6.6	89	--
AUG											
29...	0830	1430	864	8.3	--	24.5	110	667	6.9	95	--

DATE	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CaCO3 (39086)
OCT 1994											
19...	--	220	56	64	15	110	3	7.6	190	6	165
NOV											
01...	380	320	97	92	21	170	4	8.7	253	8	221
DEC											
06...	--	370	130	110	24	230	5	11	293	0	240
JAN 1995											
07...	1700	370	140	110	24	230	5	6.3	251	16	233
12...	--	380	140	110	25	240	5	11	280	7	242
FEB											
14...	1000	310	120	93	20	190	5	8.5	227	5	195
MAR											
14...	--	200	50	59	13	92	3	6.6	178	3	151
APR											
18...	--	240	66	71	15	110	3	6.5	201	5	173
MAY											
23...	460	200	52	60	13	100	3	5.8	186	0	152
JUN											
27...	--	180	37	54	12	86	3	5.4	179	0	147
AUG											
29...	--	200	52	57	13	99	3	6.5	176	0	145

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
OCT 1994											
19...	--	--	1	--	--	--	--	--	--	--	--
NOV											
01...	140	--	4	--	--	--	20	--	1	--	<1
DEC											
06...	--	--	15	--	--	--	--	--	--	--	--
JAN 1995											
07...	--	--	29	--	--	--	11	--	6	--	<1
12...	180	--	36	--	<0.1	--	20	--	<1	--	<1
FEB											
14...	--	--	--	--	--	--	--	--	--	--	--
MAR											
14...	--	--	<1	--	--	--	--	--	--	--	--
APR											
18...	--	230	1	<0.10	--	7	--	3	--	<1	--
MAY											
23...	85	--	2	--	--	--	20	--	<1	--	<1
JUN											
27...	--	--	1	--	--	--	--	--	--	--	--
AUG											
29...	75	--	<1	--	<0.1	--	7	--	2	--	<1

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSE. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
19...	--	--	--	--	--	--	--	--	397	1060	57
NOV											
01...	--	<1.0	--	1200	<6	--	--	--	177	153	50
DEC											
06...	--	--	--	--	--	--	--	--	106	60	46
JAN 1995											
07...	--	<1.0	--	--	--	--	<1	5.0	184	88	--
12...	--	<1.0	--	1500	<6	--	<10	--	--	--	--
FEB											
14...	--	--	--	--	--	--	--	--	223	122	65
MAR											
14...	--	--	--	--	--	--	--	--	735	1700	48
APR											
18...	<1	--	850	--	--	10	--	--	336	816	35
MAY											
23...	--	<1.0	--	740	<6	--	--	--	548	1690	29
JUN											
27...	--	--	--	--	--	--	--	--	558	3800	16
AUG											
29...	--	<1.0	--	720	<6	--	17	3.0	533	2060	47

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
OCT 1994												
19...	1015	--	--	--	--	--	--	--	--	--	--	--
NOV												
01...	0900	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	0830	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
07...	0900	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	E0.002	<0.004	<0.004
12...	1425	--	--	--	--	--	--	--	--	--	--	--
FEB												
14...	0815	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	0930	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	0730	<0.007	<0.002	0.009	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
MAY												
23...	0745	<0.007	<0.002	0.007	E0.005	<0.002	<0.004	<0.003	<0.002	<0.006	0.005	<0.004
JUN												
27...	0800	<0.007	<0.002	0.010	E0.008	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
AUG												
29...	0830	<0.007	<0.002	0.008	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	0.008	<0.004

DATE	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
01...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
07...	<0.001	0.007	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	0.010	<0.004
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.001	0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
MAY												
23...	<0.001	0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUN												
27...	<0.001	0.003	<0.005	<0.004	<0.002	0.003	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
AUG												
29...	<0.001	0.004	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	FEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
01...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
07...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	E0.011	<0.013
MAY												
23...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUN												
27...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
AUG												
29...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.006	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
19...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
01...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
07...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.021	<0.004	<0.003	<0.013	<0.001	<0.005
12...	--	--	--	--	--	--	--	--	--	--	--	--
FEB												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.009	<0.004	<0.003	<0.013	<0.001	<0.005
MAY												
23...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.008	<0.004	<0.003	<0.013	<0.001	<0.005
JUN												
27...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005
AUG												
29...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005

RIO GRANDE BASIN

08364000 RIO GRANDE AT EL PASO, TX -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994									
01...	0830	5.00	1.20	1880	8.4	13.0	8.6	--	--
01...	0836	15.0	2.00	1460	8.5	13.0	8.6	--	--
01...	0840	25.0	2.00	1440	8.5	13.0	8.6	--	--
01...	0901	45.0	1.50	1420	8.5	13.5	8.4	--	--
01...	0908	35.0	1.80	1430	8.5	13.5	8.6	--	--
01...	0910	65.0	0.40	1420	8.5	13.5	8.6	--	--
01...	0915	55.0	0.60	1420	8.5	13.5	8.7	--	--
01...	0917	75.0	0.30	1420	8.5	13.5	8.5	--	--
01...	0920	125	0.40	1400	8.5	13.5	8.7	--	--
01...	0925	135	0.50	1420	8.5	13.5	8.8	--	--
01...	0928	145	0.80	1400	8.5	13.5	8.5	--	--
01...	0937	155	2.30	1400	8.5	13.5	8.6	--	--
01...	0946	165	3.80	1380	8.5	14.0	8.5	--	--
AUG 1995									
29...	0843	165	4.00	780	8.3	24.5	6.9	157	78
29...	0848	145	4.50	800	8.3	24.5	7.0	2220	13
29...	0858	125	3.10	838	8.3	24.0	6.8	430	67
29...	0903	105	2.10	864	8.3	24.0	6.9	503	61
29...	0906	85.0	1.90	882	8.3	24.0	6.8	541	51
29...	0909	65.0	3.60	907	8.3	24.0	6.8	1560	18
29...	0912	45.0	3.10	923	8.3	24.0	6.8	579	44
29...	0914	25.0	2.90	934	8.2	24.0	6.8	465	56
29...	0917	5.00	3.80	944	8.3	24.0	6.8	374	71

RIO GRANDE BASIN

08377900 RIO MORA NEAR TERRERO, NM

(Hydrologic bench-mark station)

LOCATION.--Lat 35°46'38", Long 105°39'27", in SW¼NE¼ sec.22, T.18 N., R.12 E., San Miguel County, Hydrologic Unit 13060001, in Santa Fe National Forest, on left bank 450 ft upstream from bridge on State Highway 63, 600 ft upstream from mouth, and 2.6 mi north of Terrero.

DRAINAGE AREA.--53.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,890 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are poor. About 90 percent of the drainage is in the Pecos Wilderness Area and not subject to development, watershed management, or the building of highways; there is limited cattle grazing by permit.

EXTREMES OUTSIDE PERIOD OF RECORD.--Greatest flood since 1886 probably occurred Sept. 29, 1904 (based on statement for Pecos River near Pecos and history of that flood period).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	23	e12	7.2	6.6	20	27	74	278	98	24	49
2	16	22	e13	7.2	7.7	19	22	84	277	89	21	43
3	15	26	e14	7.3	10	17	21	96	284	82	20	39
4	15	24	e13	7.0	11	16	20	95	286	81	18	35
5	15	21	e12	7.5	11	16	20	109	296	71	17	32
6	14	22	e11	7.9	11	19	20	114	328	64	16	30
7	15	21	e11	7.6	12	22	23	109	342	59	16	32
8	16	21	e11	7.3	12	28	30	104	323	54	15	42
9	15	20	9.4	7.1	12	26	41	92	307	48	16	32
10	16	19	e9.2	7.3	12	19	40	94	288	45	18	31
11	15	21	e9.6	7.2	11	21	35	110	273	41	16	32
12	14	99	e9.6	7.0	11	25	31	128	265	39	21	28
13	13	108	e9.8	6.6	11	23	33	138	261	37	20	27
14	14	60	e10	e6.5	10	23	40	156	260	40	17	26
15	14	48	e10	e6.2	11	25	41	222	245	41	18	28
16	19	39	e11	6.5	11	26	39	300	234	40	18	25
17	34	32	11	6.7	e9.8	26	37	327	248	39	25	24
18	24	e26	10	e6.3	e9.6	28	34	260	366	38	18	23
19	24	e21	10	6.8	e10	38	31	222	482	40	18	22
20	25	e20	9.7	6.3	14	49	28	236	416	34	16	21
21	26	e18	9.4	6.2	18	54	26	287	333	31	16	21
22	26	e18	9.1	6.3	18	68	23	349	292	30	18	20
23	26	e15	9.3	6.0	18	61	24	371	245	28	22	19
24	27	e14	8.8	5.7	19	54	22	335	199	26	28	20
25	26	e13	8.2	5.7	19	50	23	293	163	25	43	23
26	25	e10	8.1	5.7	21	44	32	280	142	25	76	19
27	e25	e11	7.8	5.7	22	39	39	235	126	23	73	18
28	25	e11	7.7	5.5	21	31	44	222	112	22	64	19
29	26	e10	7.4	5.8	---	27	52	249	111	21	58	21
30	26	e11	7.7	e5.8	---	26	67	277	109	21	60	20
31	25	---	7.6	6.0	---	34	---	296	---	22	55	---
TOTAL	632	824	307.4	203.9	369.7	974	965	6264	7891	1354	881	821
MEAN	20.4	27.5	e9.2	6.58	13.2	31.4	32.2	202	263	43.7	28.4	27.4
MAX	34	108	14	7.9	22	68	67	371	482	98	76	49
MIN	13	10	7.4	5.5	6.6	16	20	74	109	21	15	18
AC-FT	1250	1630	610	404	733	1930	1910	12420	15650	2690	1750	1630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
MEAN	14.4	10.3	7.08	5.95	6.28	12.2	36.4	126	87.9	29.7	43.6	27.7
MAX	25.2	27.5	13.3	9.82	13.2	41.3	88.4	319	263	73.1	159	84.5
(WY)	1986	1995	1985	1986	1995	1989	1985	1973	1995	1988	1991	1988
MIN	5.73	3.72	2.90	1.72	2.43	3.40	11.2	14.2	8.25	8.43	9.23	6.93
(WY)	1965	1990	1990	1964	1964	1964	1971	1967	1967	1989	1989	1978

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1964 - 1995

ANNUAL TOTAL	16871.9	21487.0	
ANNUAL MEAN	46.2	58.9	34.1
HIGHEST ANNUAL MEAN			65.3
LOWEST ANNUAL MEAN			11.6
HIGHEST DAILY MEAN	391	May 21	726
LOWEST DAILY MEAN	4.0	Feb 1	5.90
ANNUAL SEVEN-DAY MINIMUM	4.7	Jan 28	5.97
INSTANTANEOUS PEAK FLOW			581
INSTANTANEOUS PEAK STAGE			3.71
INSTANTANEOUS LOW FLOW			3.5
ANNUAL RUNOFF (AC-FT)	33470	42620	24700
10 PERCENT EXCEEDS	107	234	83
50 PERCENT EXCEEDS	20	23	14
90 PERCENT EXCEEDS	6.0	7.8	5.0
e Estimated			

RIO GRANDE BASIN

08377900 RIO MORA NEAR TERRERO, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAI, 0.7 UM-MF (COLS./100 ML) (31625)	
DEC 1994 07...	1015	E11	123	7.4	-3.5	0.0	1.1	570	10.8	99	K1	
APR 1995 03...	1230	18	134	7.1	6.5	2.5	2.7	570	10.2	100	K7	
JUN 14...	1100	258	63	6.7	22.0	6.5	2.4	572	9.3	101	K1	
AUG 25...	1200	31	104	7.6	22.0	12.5	2.7	572	7.5	94	27	
DATE		STREP-TOCOCCHI FECAI, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)
DEC 1994 07...	K6	56	7	19	2.0	1.4	0.1	0.50	59	0	48	
APR 1995 03...	220	64	8	22	2.2	1.5	0.1	0.50	68	0	56	
JUN 14...	K15	28	7	9.6	0.92	0.70	0.1	0.40	25	0	20	
AUG 25...	100	47	5	16	1.7	1.2	0.1	0.50	51	0	41	
DATE		ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC 1994 07...	50	7.5	0.50	0.20	6.8	74	67	<0.010	<0.050	<0.015	<0.20	
APR 1995 03...	59	7.7	0.80	0.20	7.1	81	76	0.020	<0.050	<0.015	<0.20	
JUN 14...	25	3.2	0.40	<0.10	5.1	51	33	<0.010	<0.050	0.020	<0.20	
AUG 25...	46	5.6	0.50	0.20	6.7	64	58	<0.010	<0.050	0.040	0.20	
DATE		PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
DEC 1994 07...	<0.010	0.010	<0.010	40	26	<3	32	<4	<1	<10	<1	
APR 1995 03...	0.030	0.010	<0.010	90	27	<3	54	<4	2	<10	<1	
JUN 14...	0.020	0.010	<0.010	130	16	<3	56	<4	1	<10	<1	
AUG 25...	0.010	<0.010	<0.010	50	24	<3	51	<4	1	10	<1	

RIO GRANDE BASIN

08377900 RIO MORA NEAR TERRERO, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SELENIUM, DIS-SOLVED (UG/L (01145)	SILVER, DIS-SOLVED (UG/L (01075)	STRONTIUM, DIS-SOLVED (UG/L (01080)	VANADIUM, DIS-SOLVED (UG/L (01085)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS. (PCI/L) (76001)	URANIUM NATURAL DIS-SOLVED (UG/L (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS. (UG/L) (75990)	SEDI-MENT, DIS-SOLVED SUS-PENDED (MG/L) (80154)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN 062 MM (70331)
DEC 1994											
07...	<1	<1.0	42	<6	0.05	0.020	0.38	<1.0	--	--	--
APR 1995											
05...	<1	<1.0	49	<6	--	--	--	--	5	0.25	91
JUN											
14...	<1	<1.0	21	<6	0.03	0.010	0.06	0.0	9	6.3	43
AUG											
25...	<1	<1.0	37	<6	--	--	--	--	7	0.59	82

RIO GRANDE BASIN

08380500 GALLINAS CREEK NEAR MONTEZUMA, NM

LOCATION.--Lat 35°39'07", long 105°19'06", San Miguel County, Hydrologic Unit 13060001, in Las Vegas Grant, on left bank 2.4 mi west of Montezuma, 6.9 mi northwest of Las Vegas, and at mile 74.4.

DRAINAGE AREA.--84 mi², approximately.

PERIOD OF RECORD.--March to September 1915, June 1916 to current year. Monthly discharge only for some periods, published in WSP 1312. Prior to October 1964, published as Gallinas River near Montezuma.

REVISED RECORDS.--WSP 898: Drainage area. WSP 1562: 1951(F), 1952(M), 1955(P), 1957. WSP 1632: 1931-32, 1933(M), 1934, 1935(M), 1938, 1939-40(M), 1941-42, 1945, 1949-50(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Sept. 21, 1934, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of about 80 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year. 1916-1925 not included in statistics.

EXTREMES OUTSIDE PERIOD OF RECORD.--The greatest flood since about 1900 occurred the night of Sept. 29, 1904 (discharge not determined), from information by local residents and G. B. Monk's report on floods.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	22	22	8.8	7.5	e13	14	94	103	25	7.8	20
2	3.4	21	20	e9.2	7.9	e12	14	89	94	22	6.9	17
3	3.6	23	19	9.3	e8.4	e11	14	87	91	20	6.7	14
4	3.7	24	18	10	e8.5	e13	14	74	86	19	6.3	13
5	4.1	22	18	13	e8.6	e15	15	75	82	18	7.8	11
6	4.2	20	21	11	e8.7	e14	16	71	84	17	6.5	10
7	4.3	20	19	e9.6	e8.9	e14	17	65	82	16	7.2	11
8	6.2	20	17	10	e9.1	14	18	61	77	16	6.5	16
9	6.2	19	14	9.3	e9.3	14	20	54	72	14	6.2	13
10	6.3	18	15	8.9	e9.4	14	20	51	68	13	6.6	15
11	6.1	18	e14	8.8	e9.7	15	20	68	63	13	7.0	12
12	6.0	192	e13	8.3	e9.9	17	20	76	58	12	7.2	11
13	6.1	230	e13	e7.2	e10	16	21	83	54	11	6.7	10
14	7.3	125	e13	e9.2	e10	15	22	81	52	12	6.4	10
15	17	84	13	8.0	e10	15	23	87	50	19	7.9	10
16	24	66	e12	7.6	e10	15	22	102	49	23	7.5	9.7
17	45	56	e12	e7.9	e10	15	20	102	53	20	9.2	8.7
18	34	47	e11	e9.0	e11	16	19	91	70	21	15	8.4
19	28	43	e11	e8.8	e12	17	19	77	78	26	13	8.2
20	26	37	e10	e9.1	e11	19	19	72	69	21	13	8.0
21	26	36	e9.6	9.9	e10	20	20	77	60	17	13	7.4
22	26	32	e9.4	11	e11	22	19	87	50	15	13	7.6
23	27	29	e9.0	e13	e10	21	19	97	44	13	18	7.1
24	27	28	e8.2	17	e11	19	21	91	37	12	19	7.1
25	27	26	e8.0	7.9	e12	18	27	79	34	11	26	11
26	26	25	e7.1	6.7	e11	16	41	74	31	9.7	24	9.0
27	25	22	e6.5	6.5	e10	16	54	67	29	8.8	35	7.5
28	24	20	e6.4	e8.3	e12	16	61	66	27	8.2	25	7.2
29	25	23	e8.7	e8.4	---	14	77	96	27	7.9	27	8.3
30	25	30	9.9	e11	---	14	89	127	30	7.9	35	7.6
31	23	---	e9.4	e14	---	14	---	114	---	7.7	25	---
TOTAL	525.7	1378	397.2	296.7	276.9	484	795	2535	1804	476.2	421.4	315.8
MEAN	17.0	45.9	12.8	9.57	9.89	15.6	26.5	81.8	60.1	15.4	13.6	10.5
MAX	45	230	22	17	12	22	89	127	103	26	35	20
MIN	3.2	18	6.4	6.5	7.5	11	14	51	27	7.7	6.2	7.1
AC-FT	1040	2730	788	589	549	960	1580	5030	3580	945	836	626

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 1995, BY WATER YEAR (WY)

	MEAN	12.6	9.76	6.62	5.51	5.88	12.2	35.8	55.0	22.4	15.9	31.1	21.0
MAX	108	57.5	21.3	13.7	20.5	64.7	184	380	118	105	225	185	
(WY)	1942	1942	1958	1989	1987	1987	1958	1941	1979	1991	1991	1991	
MIN	.38	.49	.80	1.83	1.49	2.36	3.11	1.96	.74	1.24	1.08	.40	
(WY)	1957	1957	1957	1957	1957	1955	1967	1967	1956	1956	1934	1956	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1926 - 1995

ANNUAL TOTAL	12301.0	9705.9	
ANNUAL MEAN	33.7	26.6	19.6
HIGHEST ANNUAL MEAN			80.7
LOWEST ANNUAL MEAN			2.53
HIGHEST DAILY MEAN	555	May 27	1580
LOWEST DAILY MEAN	3.0	Feb 1	.20
ANNUAL SEVEN-DAY MINIMUM	3.8	Oct 1	.21
INSTANTANEOUS PEAK FLOW			7120
INSTANTANEOUS PEAK STAGE			9.70
INSTANTANEOUS LOW FLOW			.20
ANNUAL RUNOFF (AC-FT)	24400	19250	14180
10 PERCENT EXCEEDS	69	74	44
50 PERCENT EXCEEDS	20	15	7.7
90 PERCENT EXCEEDS	4.0	7.5	2.7
e Estimated			

RIO GRANDE BASIN

08382500 GALLINAS RIVER NEAR COLONIAS, NM

LOCATION.--Lat 35°10'55", long 104°53'59", Guadalupe County, Hydrologic Unit 13060001, in Anton Chico Grant, and Preston Beck Grants, on right bank 2.3 mi south of San Miguel-Guadalupe County line, 2.4 mi upstream from mouth, 5.8 mi northwest of Colonias, and 9.0 mi east of Dilia. Mouth at Pecos River mile 789.2.

DRAINAGE AREA.--610 mi², approximately.

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,940 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 7,000 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year. No flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of about June 1, 1937, reached a stage of about 27.2 ft; discharge determined as 26,700 ft³/s by slope-area measurement made in 1951. A flood of about the same magnitude occurred Sept. 29-30, 1904.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	e11	e9.3	e11	e10	e10	14	23	25	e7.1	e7.2	24
2	6.4	e12	e8.2	e12	e11	e9.6	13	14	21	e6.7	e8.1	21
3	6.4	e10	e8.0	e11	e10	e10	14	10	20	e7.0	e12	16
4	5.9	e8.2	e7.1	e11	e11	e10	18	9.1	17	e9.9	e8.9	13
5	e8.4	e7.6	e7.6	e9.8	e12	e11	18	8.9	14	e13	e6.9	11
6	e8.6	e8.0	e8.2	e11	e11	e10	15	16	13	e16	e5.9	10
7	e9.6	e7.6	e8.4	e12	e10	e9.7	12	16	12	e21	e7.4	9.5
8	e9.0	e8.2	e9.0	e13	e9.7	e10	9.1	12	10	e20	e8.1	e19
9	e9.8	e8.0	e10	e11	e11	e10	6.1	11	9.8	e19	e6.3	e17
10	e8.8	e8.7	e9.6	e10	e12	11	7.0	9.5	11	e27	e5.7	e14
11	e9.0	e9.4	e10	e9.4	11	9.9	7.1	8.3	12	e18	e6.8	e13
12	e9.6	e12	e11	e10	e11	10	7.4	8.4	8.6	e14	e11	e14
13	e9.0	e14	e13	e11	e10	9.7	9.4	8.9	8.5	e12	e18	e34
14	e8.8	e15	e11	e12	e11	8.2	7.6	7.8	6.9	e13	e22	e24
15	e9.7	e14	e11	e11	e13	8.1	7.8	5.5	e10	e11	12	e19
16	e9.0	e12	e11	e10	e14	8.4	8.9	8.6	9.3	e10	18	e12
17	e8.4	e12	e12	e9.4	e13	8.5	11	9.4	14	e12	12	e15
18	e9.0	e11	e14	e11	e12	8.0	12	12	187	e10	9.9	e12
19	e11	e11	e13	e8.9	e12	7.9	11	15	e67	e15	108	e8.9
20	e10	e10	e14	e10	e11	7.7	14	15	e36	e27	18	e8.1
21	e10	e9.6	e13	e7.1	e10	7.1	16	9.5	e21	e59	11	e7.3
22	e11	e9.3	e11	e8.0	e9.8	6.3	19	8.3	e19	e222	9.7	e7.0
23	e12	e9.0	e10	e9.1	e9.7	7.0	20	8.9	e15	353	143	e6.3
24	e13	e8.1	e9.3	e8.3	e9.3	6.4	28	11	e12	e150	30	e6.2
25	e12	e7.3	e10	e9.0	e9.0	9.0	27	13	e11	e94	11	e5.9
26	e9.2	e7.0	e12	e10	e9.7	8.5	28	18	e9.2	e60	9.6	e5.8
27	e8.3	e7.4	e11	e12	e10	8.5	24	18	e8.5	e44	63	e6.1
28	e8.1	e9.0	e8.6	e11	e9.4	8.8	23	17	e10	e18	38	e6.9
29	e9.4	e10	e7.1	e10	---	10	25	20	e12	e14	29	e6.3
30	e11	e9.6	e7.6	e12	---	13	24	22	e8.4	e11	23	e6.1
31	e11	---	e9.0	e11	---	16	---	39	---	e10	75	---
TOTAL	287.8	296.0	314.0	322.0	302.6	290.3	456.4	413.1	638.2	1323.7	754.5	378.4
MEAN	9.28	9.87	10.1	10.4	10.8	9.36	15.2	13.3	21.3	42.7	24.3	12.6
MAX	13	15	14	13	14	16	28	39	187	353	143	34
MIN	5.9	7.0	7.1	7.1	9.0	6.3	6.1	5.5	6.9	6.7	5.7	5.8
AC-FT	571	587	623	639	600	576	905	819	1270	2630	1500	751

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

	MEAN	12.5	5.05	3.24	2.94	3.79	4.61	16.9	18.2	18.2	40.7	63.0	23.0
MAX	166	50.0	18.3	18.9	58.9	48.2	269	261	91.4	222	268	178	
(WY)	1958	1987	1987	1992	1987	1958	1958	1973	1986	1988	1991	1972	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.09	.000	
(WY)	1953	1952	1952	1951	1951	1951	1951	1952	1951	1964	1983	1951	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1951 - 1995
ANNUAL TOTAL	6754.50	5777.0	
ANNUAL MEAN	18.5	15.8	18.0
HIGHEST ANNUAL MEAN			66.6
LOWEST ANNUAL MEAN			.85
HIGHEST DAILY MEAN	729	353	2640
LOWEST DAILY MEAN	.01	5.5	.00
ANNUAL SEVEN-DAY MINIMUM	.33	6.2	.00
INSTANTANEOUS PEAK FLOW		3070	13700
INSTANTANEOUS PEAK STAGE		8.16	19.67
ANNUAL RUNOFF (AC-FT)	13400	11460	13040
10 PERCENT EXCEEDS	29	21	25
50 PERCENT EXCEEDS	8.0	10	.51
90 PERCENT EXCEEDS	3.1	7.4	.00

e Estimated

RIO GRANDE BASIN

08382600 PECOS RIVER ABOVE CANON DEL UTA NEAR COLONIAS, NM

LOCATION.--Lat 35°05'29", long 104°48'00", in T.10 N., R.20 E., Guadalupe County, Hydrologic Unit 13060001, in Anton Chico Grant, on right bank 0.4 mi upstream from Canon del Uta, 2.9 mi southeast of Colonias, and at mile 775.8.

DRAINAGE AREA.--2,330 mi², approximately.

PERIOD OF RECORD.--January 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above National Geodetic Vertical Datum of 1929, from U.S. Army Corps of Engineers plan and profile map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions and ground-water withdrawals for irrigation for about 11,800 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station. No flow many days most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	e5.9	53	5.4	e4.5	33	99	214	874	769	e6.8	120
2	2.0	e6.0	57	5.4	e4.4	47	80	245	832	496	e6.6	83
3	2.2	e6.2	66	5.4	e4.3	48	81	267	803	404	e6.2	77
4	2.5	e6.2	59	5.1	e4.3	46	69	316	768	334	e7.2	45
5	71	e6.0	53	5.3	e4.2	39	69	351	727	319	108	16
6	9.8	e6.1	55	8.8	e4.2	35	57	390	738	284	57	12
7	8.3	e6.1	56	19	e4.1	40	46	378	819	240	50	11
8	8.2	e6.0	65	22	e4.1	49	27	353	818	196	e10	12
9	7.7	e6.0	80	20	e4.0	58	22	339	810	188	e9.6	828
10	7.0	e5.9	60	24	e3.9	38	47	294	860	141	e9.2	e1210
11	6.8	e5.9	60	26	3.8	34	90	285	855	e90	e9.2	e250
12	6.7	e6.0	34	28	3.6	28	99	318	813	e56	e10	e150
13	6.7	583	38	15	4.4	33	84	378	792	e54	e10	e100
14	7.4	853	50	11	7.5	49	92	419	764	e50	e9.9	e80
15	490	601	47	12	9.7	49	82	422	812	e92	e9.8	65
16	466	453	39	7.6	9.0	51	103	497	818	e300	e9.4	39
17	104	352	29	5.5	16	54	114	608	820	185	e9.8	32
18	19	280	16	5.2	36	63	102	702	1130	1300	101	18
19	77	220	19	5.9	23	65	108	643	1800	e1200	e128	12
20	57	181	15	5.7	16	70	109	542	1780	e200	e300	15
21	e25	143	10	5.5	11	96	113	494	1560	e120	e155	15
22	e17	100	17	5.4	10	133	113	498	1260	e95	e80	11
23	e11	103	23	5.4	8.7	173	124	577	1070	e75	e75	11
24	e5.8	96	12	5.4	8.1	228	114	724	975	e59	199	9.8
25	e5.7	72	6.2	5.1	21	174	97	684	1140	e40	142	9.8
26	e5.7	78	9.3	4.5	27	147	94	615	1240	27	82	9.0
27	e5.8	78	11	4.0	26	128	104	579	1190	14	158	7.8
28	e5.8	70	11	4.0	20	107	134	565	766	e8.0	268	7.0
29	e5.7	60	8.0	4.3	---	121	153	565	1550	e7.8	216	5.4
30	e5.8	49	6.2	4.3	---	137	177	703	2540	e7.4	210	4.8
31	e5.8	---	5.9	4.3	---	128	---	894	---	e7.0	166	---
TOTAL	1460.0	4444.3	1070.6	294.5	302.8	2501	2803	14859	31724	7358.2	2618.7	3265.6
MEAN	47.1	148	34.5	9.50	10.8	80.7	93.4	479	1057	237	84.5	109
MAX	490	853	80	28	36	228	177	894	2540	1300	300	1210
MIN	1.6	5.9	5.9	4.0	3.6	28	22	214	727	7.0	6.2	4.8
AC-FT	2900	8820	2120	584	601	4960	5560	29470	62920	14590	5190	6480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1995, BY WATER YEAR (WY)

	MEAN	23.5	23.6	7.64	4.07	6.28	34.9	112	330	291	111	171	96.1
MAX	139	148	42.0	19.0	73.4	192	382	736	1057	418	1062	660	
(WY)	1986	1995	1987	1987	1987	1985	1987	1979	1995	1991	1991	1991	
MIN	.000	.000	.000	.000	.000	.000	.000	.26	2.15	3.17	7.60	.000	
(WY)	1978	1977	1977	1976	1976	1976	1976	1981	1977	1980	1978	1978	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1976 - 1995

ANNUAL TOTAL	57668.69	72701.7	
ANNUAL MEAN	158	199	105
HIGHEST ANNUAL MEAN			245
LOWEST ANNUAL MEAN			13.3
HIGHEST DAILY MEAN	2510	May 23	2540
LOWEST DAILY MEAN	.75	Jan 11	1.6
ANNUAL SEVEN-DAY MINIMUM	.81	Jan 8	4.0
INSTANTANEOUS PEAK FLOW			9300
INSTANTANEOUS PEAK STAGE			11.18
INSTANTANEOUS LOW FLOW			1.4
ANNUAL RUNOFF (AC-FT)	114400	144200	76100
10 PERCENT EXCEEDS	553	731	334
50 PERCENT EXCEEDS	19	54	7.5
90 PERCENT EXCEEDS	1.6	5.5	.00

e Estimated

a-From rating curve extended above 1,200 ft³/s, on basis of step-backwater analysis of channel.

RIO GRANDE BASIN

08382650 PECOS RIVER ABOVE SANTA ROSA LAKE, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
NOV 1994											
22...	1600	150	411	8.1	5.0	6.5	--	650	10.4	99	13
JAN 1995											
25...	1615	27	791	8.1	13.0	13.0	--	642	8.7	98	--
APR											
05...	1300	88	501	8.0	27.5	17.5	17	640	8.0	100	--
MAY											
08...	1530	360	230	8.0	26.0	16.5	140	635	8.1	100	--
JUL											
17...	1445	185	357	8.0	24.5	25.5	--	645	7.0	102	--
AUG											
07...	1500	70	436	8.1	36.0	28.5	310	640	7.7	120	34

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV 1994										
22...	190	64	7.7	8.4	0.3	1.3	122	83	4.9	0.20
JAN 1995										
25...	--	--	--	--	--	--	--	--	--	--
APR										
05...	240	81	10	12	0.3	1.7	127	130	7.5	0.30
MAY										
08...	120	40	4.6	4.7	0.2	0.80	93	37	2.0	0.20
JUL										
17...	--	--	--	--	--	--	--	--	--	--
AUG										
07...	230	76	9.0	8.1	0.2	3.6	123	120	5.6	0.20

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)
NOV 1994										
22...	10	253	<0.010	0.090	<0.015	<0.20	0.020	<0.010	4.0	<1
JAN 1995										
25...	--	--	--	--	--	--	--	--	--	--
APR										
05...	9.1	328	--	--	--	--	--	--	--	--
MAY										
08...	8.5	154	--	--	--	--	--	--	--	--
JUL										
17...	--	--	--	--	--	--	--	--	--	--
AUG										
07...	8.6	306	<0.010	0.300	0.120	1.6	0.030	0.020	14	--

DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994										
22...	<1	<0.10	<0.1	<1	<1	10	5	--	--	--
JAN 1995										
25...	--	--	--	--	--	--	--	135	9.8	68
APR										
05...	--	--	--	--	--	--	--	103	25	33
MAY										
08...	--	--	--	--	--	--	--	549	534	71
JUL										
17...	--	--	--	--	--	--	--	1520	759	98
AUG										
07...	--	--	--	--	--	--	--	91	17	91

RIO GRANDE BASIN

08382810 SANTA ROSA LAKE NEAR SANTA ROSA, NM

LOCATION.--Lat 35°01'47", long 104°41'30", Guadalupe County, Hydrologic Unit 13060001, in Jose Perea Grant, near outlet gates of Santa Rosa Dam on Pecos River, approximately 7.0 mi north of Santa Rosa, and at mile 757.2.

DRAINAGE AREA.--2,430 mi², approximately.

PERIOD OF RECORDS.--April 1980 to current year.

GAGE.--Water-stage recorder. Elevation of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by earth and rockfill dam on Pecos River. Storage began on Apr. 22, 1980. Capacity, 439,900 acre-ft, from capacity table effective October 1990, between elevations 4,630.0 ft, invert of outlet structure, and 4,797.0 ft, crest of spillway. Capacity by original survey was 447,100 acre-ft. No dead storage. Lake was created primarily for flood, irrigation, and sediment control. U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 120,481 acre-ft, May 8, 1987, elevation, 4,749.71 ft; no storage for many days, July-Sept., 1980 and June-Aug., 1981.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 101,750 acre-ft, July 20, elevation, 4,746.27 ft; minimum, 59,120 acre-ft, Sept. 8, elevation, 4,732.82 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80060	83710	92480	94680	96000	81030	72000	77800	97490	94000	94250	68500
2	80060	83810	92590	94710	96040	79040	72180	78240	97310	92800	94290	67200
3	80090	83840	92660	94680	96080	77170	72390	78650	96800	92410	94290	65810
4	80090	83910	92800	94750	96110	75230	72570	79130	96110	93010	94320	64780
5	80130	83940	92940	94930	96150	79270	72780	79870	95360	93610	94430	62930
6	80160	84070	93010	94960	96150	71150	72930	80540	94680	94180	94640	61510
7	80090	84170	93150	95000	96150	69550	72990	81000	94000	94610	94750	60090
8	80060	84170	93190	95070	96150	68290	73050	81640	93470	94960	94750	59120
9	80130	84200	93290	95110	96180	67570	72990	82330	92870	95250	94750	60480
10	80130	84230	93470	95210	96180	67510	73050	82950	92230	95470	94780	64450
11	80130	84400	93570	95210	96180	67600	73210	83480	91610	95570	94750	65030
12	80130	84500	93610	95280	96180	67600	73450	83940	90800	95640	94750	65310
13	80090	85430	93680	95280	96260	67720	73660	84530	89940	95680	94710	65530
14	80160	87110	93750	95360	96260	67830	73820	85230	89110	95750	93720	65640
15	81060	88190	93790	95360	96260	67970	73970	86000	88290	95830	91640	65760
16	81970	88980	93930	95360	96260	68150	74180	86840	87310	96440	89660	65900
17	82170	89420	93970	95360	96150	68260	74120	87620	86470	96800	87580	65950
18	82260	90110	94000	95360	95750	68440	74520	88880	86200	98040	86100	66040
19	82490	90420	94070	95430	95210	68610	74740	90010	89600	101340	84900	66230
20	82660	90670	94110	95470	94780	68760	74920	91010	92340	101750	83910	66260
21	82790	91050	94210	95500	94320	68990	75140	91850	92970	100410	82520	66090
22	82920	91260	94290	95500	93110	69170	75350	92480	92870	98660	81060	66150
23	83050	91500	94290	95540	91610	69490	75670	92900	92340	96840	80090	66230
24	83080	91740	94360	95610	90040	69850	75910	93680	91680	94890	78840	66230
25	83110	91950	94360	95680	88470	70140	76160	94250	91150	94040	77480	66230
26	83210	92060	94430	95720	87040	70440	76380	94930	92270	94210	76190	66260
27	83380	92160	94500	95750	85300	70710	76510	95430	91950	94250	74920	66350
28	83440	92230	94570	95790	83080	70920	76820	95930	90740	94250	73570	66370
29	83510	92300	94570	95790	---	71150	77170	96950	90040	94250	72540	66370
30	83610	92410	94640	95860	---	71480	77480	97350	94710	94290	71130	66400
31	83710	92410	94680	95900	---	71720	---	97380	---	94290	69790	---
MAX	83710	92410	94680	95900	96260	81030	77480	97380	97490	101750	94780	68500
MIN	80060	83710	92480	94680	83080	67510	72000	77800	86200	92410	69790	59120
(†)	4741.14	4743.70	4744.34	4744.68	4740.95	4737.34	4739.21	4745.09	4744.35	4744.23	4736.69	4735.52
(††)	+3620	+8700	+2270	+1220	-12820	-11360	-5760	-19900	-2670	-420	-24500	-3390

CAL YR 1994 MAX 101910 MIN 71900 (††) -320
WTR YR 1995 MAX 101750 MIN 59120 (††) -65010

(†) ELEVATION, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET.

RIO GRANDE BASIN

08382830 PECOS RIVER BELOW SANTA ROSA DAM, NM

LOCATION.--Lat 35°01'27", long 104°41'20", Guadalupe County, Hydrologic Unit 13060001, in Jose Perea Grant, on right bank 0.2 mi downstream from Santa Rosa Dam, 5.7 mi north of Santa Rosa, and at mile 757.0.

DRAINAGE AREA.--2,430 mi², approximately.

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,640 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 31, 1980, at datum about 1.2 ft higher. Prior to Mar. 26, 1982, at site 195 ft upstream at datum 2.36 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow completely regulated by Santa Rosa Lake (08382810) 0.2 mi upstream since April 1980. Diversions and ground-water withdrawals for irrigation of about 12,000 acres, 1959 determination, upstream from station. Several observations of water temperatures were made during the year. U.S. Army Corps of Engineers satellite telemeter at station. No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.68	.60	1.5	2.9	1.3	1100	.51	1.1	769	1080	.52	741
2	.68	.60	1.7	2.8	1.5	1100	.51	1.1	770	1080	.51	741
3	.68	.69	1.6	2.8	1.6	1080	.46	1.0	950	507	.58	738
4	.68	.72	1.5	2.8	1.6	1060	.33	1.1	1040	.15	.59	736
5	.63	1.4	1.4	2.8	1.6	1050	.04	1.0	1040	.17	.57	736
6	.49	1.6	1.3	2.8	1.6	1050	.04	.96	1040	.17	.42	732
7	.40	2.0	1.3	2.8	1.6	847	.04	.86	1040	.17	.45	726
8	.37	2.2	1.1	2.8	1.6	674	.04	.64	1030	.17	.34	733
9	.37	2.3	1.1	2.6	1.6	422	.04	.45	1030	.17	.32	731
10	.38	2.2	1.0	1.3	1.6	102	.04	.09	1020	.15	.23	350
11	.43	2.3	.95	1.5	1.6	2.0	.04	.08	1020	.17	.19	.95
12	.43	2.3	.89	.29	1.4	1.9	.04	.08	1020	.22	.17	.80
13	e.43	2.3	.81	.37	.88	3.7	.07	.05	1030	.26	.14	.78
14	e.44	1.1	.78	.37	.13	4.9	1.1	.04	1020	.26	543	.78
15	e.45	1.5	.69	.37	.13	5.4	1.4	.04	1030	.27	1040	.78
16	e.46	2.2	.67	.31	.13	2.6	1.4	.04	1030	.31	1030	.78
17	e.46	2.3	.59	.31	.99	1.0	1.6	.04	1020	.32	1030	.78
18	e.47	2.5	.57	.38	251	1.2	1.7	.04	1020	.28	860	.76
19	e.48	2.5	.51	.51	252	1.1	1.6	.04	1020	.31	755	1.3
20	e.48	2.5	.47	.51	254	1.0	1.6	.04	1030	409	755	.68
21	e.49	2.7	.43	.51	251	1.0	1.5	.04	1050	940	754	.68
22	e.49	1.7	.39	.51	581	.92	1.7	120	1090	1030	754	.68
23	e.50	.54	.37	.51	808	.89	1.6	218	1090	1030	753	.68
24	e.50	.60	.32	.73	803	.85	1.5	216	1090	1020	752	.68
25	e.51	1.1	.30	1.0	801	.78	1.4	247	1080	454	752	.68
26	e.51	1.5	.26	.67	798	.78	1.4	273	1090	.56	753	.68
27	e.52	1.6	.24	.21	956	.69	1.3	274	1080	.68	748	.68
28	.52	1.6	.30	.21	1100	.68	1.2	273	1080	.68	747	.59
29	.55	1.4	.34	.21	---	.64	1.1	273	1070	.68	746	.59
30	.53	1.4	.14	.84	---	.59	1.1	511	1080	.91	744	.59
31	.56	---	.16	1.1	---	.59	---	770	---	.62	743	---
TOTAL	15.57	49.95	23.68	37.82	6973.87	8518.21	26.40	3183.83	30769	7557.68	14264.03	6978.92
MEAN	.50	1.66	.76	1.22	249	275	.88	103	1026	244	460	233
MAX	.68	2.7	1.7	2.9	1100	1100	1.7	770	1090	1080	1040	741
MIN	.37	.54	.14	.21	.13	.59	.04	.04	769	.15	.14	.59
AC-FT	31	99	47	75	13830	16900	52	6320	61030	14990	28290	13840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

	MEAN	16.4	13.8	9.49	6.55	40.6	40.6	108	298	257	193	219	146
MAX	112	145	59.0	28.9	249	275	655	672	1026	561	619	649	
(WY)	1993	1987	1987	1986	1995	1995	1989	1989	1995	1983	1994	1988	
MIN	.018	.041	.081	.068	.059	.064	.072	.98	2.05	.047	.069	.040	
(WY)	1990	1990	1990	1990	1990	1990	1983	1982	1984	1989	1989	1989	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1980 - 1995
ANNUAL TOTAL	60122.56	78398.96	
ANNUAL MEAN	165	215	117
HIGHEST ANNUAL MEAN			215
LOWEST ANNUAL MEAN			35.8
HIGHEST DAILY MEAN	a1600	1100	1910
LOWEST DAILY MEAN	.10	.04	.00
ANNUAL SEVEN-DAY MINIMUM	.15	.04	.00
ANNUAL RUNOFF (AC-FT)	119300	155500	84990
10 PERCENT EXCEEDS	718	1020	481
50 PERCENT EXCEEDS	.67	1.1	1.3
90 PERCENT EXCEEDS	.26	.18	.06

e Estimated

a-Also occurred March 1, 2.

RIO GRANDE BASIN

08383000 PECOS RIVER AT SANTA ROSA, NM

WATER-QUALITY RECORDS

LOCATION.--Samples collected 0.6 mi downstream from discharge station.

PERIOD OF RECORD.--Water years 1905-07, 1959 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 1994									
17...	1335	E5.0	2620	8.2	14.5	10.0	642	10.2	108
23...	0800	--	2740	7.9	6.0	-0.5	655	10.5	83
JAN 1995									
26...	1500	--	2520	8.0	17.0	12.0	--	7.9	--
APR 04...	1530	16	2380	8.1	22.5	19.0	650	7.8	100
MAY 09...	1000	3.7	2380	8.0	26.0	15.5	645	8.1	97
JUL 18...	1045	16	1630	7.8	34.0	23.0	650	7.6	105
AUG 08...	0730	8.9	2310	7.9	36.0	21.0	650	7.6	101

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CAO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CAO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
NOV 1994									
17...	--	1600	540	64	50	0.5	2.1	125	1500
23...	<10	1600	540	68	52	0.6	2.1	140	1500
JAN 1995									
26...	--	--	--	--	--	--	--	--	--
APR 04...	--	1500	510	63	35	0.4	2.2	137	1400
MAY 09...	<10	1700	540	82	52	0.6	2.1	121	1500
JUL 18...	--	--	--	--	--	--	--	--	--
AUG 08...	<10	1600	530	64	48	0.5	2.3	123	1300

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994									
17...	62	0.70	14	2310	--	100	<10	--	--
23...	65	0.60	14	2330	1.3	100	<10	20	58
JAN 1995									
26...	--	--	--	--	--	--	--	--	--
APR 04...	55	0.60	15	2160	--	100	40	--	--
MAY 09...	59	0.70	16	2320	0.60	90	20	--	--
JUL 18...	--	--	--	--	--	--	--	--	--
AUG 08...	55	0.50	12	2090	3.9	100	30	--	--

RIO GRANDE BASIN

08383500 PECOS RIVER NEAR PUERTO DE LUNA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937-66, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
NOV 1994 02...	1200	76	2930	8.2	23.5	12.0	645	9.0	100	16	K14	--	
MAR 1995 28...	1215	79	2640	8.0	2.0	7.5	654	11.8	116	34	K2	K7	
MAY 02...	1000	54	2250	8.1	19.5	12.5	649	8.7	97	<10	14	K2	
AUG 02...	1230	73	2420	8.0	26.0	26.0	655	8.8	128	12	120	K10	
DATE		HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV 1994 02...	1700	1600	560	72	100	1	2.2	151	0	124	107	1600	
MAR 1995 28...	1600	1500	540	69	100	1	2.4	150	0	123	110	1500	
MAY 02...	1700	1600	560	72	110	1	2.3	133	0	109	83	1600	
AUG 02...	1500	1400	490	63	85	1	2.3	155	0	127	83	1400	
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)
NOV 1994 02...	140	0.60	14	2560	<0.010	<0.050	0.100	<0.20	<0.010	<0.010	0.9	<1	
MAR 1995 28...	150	0.60	12	2450	<0.010	<0.050	0.130	<0.20	<0.010	<0.010	17	--	
MAY 02...	140	0.70	12	2560	<0.010	<0.050	0.090	<0.20	<0.010	<0.010	1.1	--	
AUG 02...	110	0.40	12	2240	<0.010	<0.050	0.190	<0.20	<0.010	<0.010	1.0	<1	
DATE		ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
NOV 1994 02...	<1	120	<1	<1.0	<1	<1	2	<1	<10	1	<1	--	
MAR 1995 28...	--	110	--	--	--	--	--	--	<10	--	--	--	
MAY 02...	--	110	--	--	--	--	--	--	20	--	--	--	
AUG 02...	<1	100	<1	1.0	1	<5	2	6	8	<1	<1	<0.10	

RIO GRANDE BASIN

08383500 PECOS RIVER NEAR PUERTO DE LUNA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
NOV 1994											
02...	--	<1	<1	<10	<10	<2.0	1.9	30	93	2	<1
MAR 1995											
28...	--	--	--	--	--	--	--	--	--	--	--
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
AUG											
02...	<0.1	<1	<1	<10	<10	--	--	--	--	--	--

DATE	CHROMIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGANESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	SEDIMENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDIMENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
02...	3	<5	3	3100	<10	350	<0.01	10	75	15	87
MAR 1995											
28...	--	--	--	--	--	--	--	--	118	25	86
MAY											
02...	--	--	--	--	--	--	--	--	16	2.3	78
AUG											
02...	--	--	--	--	--	--	--	--	62	12	97

RIO GRANDE BASIN

08384500 PECOS RIVER BELOW SUMNER DAM, NM

LOCATION.--Lat 34°36'15", long 104°23'14", sec.2, T.4 N., R.24 E., DeBaca County, Hydrologic Unit 13060003, on left bank 1,200 ft downstream from Sumner Dam, 2.9 mi upstream from Salado Creek, 4.6 mi northeast of Guadalupe, 12.2 mi northwest of Fort Sumner, and at mile 701.7.

DRAINAGE AREA.--4,390 mi², approximately (contributing area).

PERIOD OF RECORD.--October 1912 to April 1926, August 1926 to current year. Monthly discharge only for some periods, published in WSP 1312. October 1944 to September 1974, published as "below Alamogordo Dam." Prior to October 1944, published as "near Guadalupe."

REVISED RECORDS.--WSP 1512: 1932. WSP 1632: 1942. WSP 1712: 1944.

GAGE.--Water-stage recorder and Parshall flume, with concrete control above top of flume. Elevation of gage is 4,142.99 ft above National Geodetic Vertical Datum of 1929 (Bureau of Reclamation bench mark). Prior to Sept. 10, 1936 at site 1.5 mi upstream at different datum. Sept. 14, 1936, to Mar. 8, 1941, and June 11 to Sept. 21, 1941, at site 0.2 mi downstream at different datums.

REMARKS.--Records good except for those below 10 ft/s which are poor. Flow regulated by Lake Sumner (station 08384000) 0.3 mi upstream, since August 1937 and Santa Rosa Lake (station 08382810) 55.5 mi upstream, since April 1980. Diversions for irrigation of about 12,500 acres, 1959 determination, upstream from station. Several observations of water temperature were made during the year. Bureau of Reclamation satellite telemeter at station.

AVERAGE DISCHARGE.--23 years (water years 1913-25, 1927-36), 236 ft³/s, 171,000 acre-ft/yr, prior to completion of Sumner Dam.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	a.70	.23	.12	100	1100	85	96	848	909	104	1110
2	999	.75	.30	a.03	100	1090	86	96	859	99	104	1120
3	1090	.82	.40	a.03	100	1120	86	97	880	101	104	1110
4	1090	.73	.47	a.03	100	1050	83	98	987	101	102	1130
5	1090	.79	.47	.05	99	609	80	98	990	101	101	1120
6	1080	.90	.48	a.03	100	584	81	98	1010	102	102	1120
7	765	.91	.47	a.03	99	355	81	98	1060	102	102	1120
8	413	2.6	.35	a.03	100	330	82	98	1060	102	101	1120
9	275	2.3	.23	a.03	100	101	82	97	1060	102	101	1120
10	148	.87	.15	.07	100	101	81	97	1070	102	101	504
11	86	1.7	.14	.06	99	83	81	99	1070	103	101	98
12	82	3.7	.12	.22	99	83	81	99	1080	103	101	98
13	82	4.1	.12	.44	99	83	91	99	1070	102	101	98
14	82	2.4	.12	.69	100	82	102	99	1050	102	382	100
15	82	.33	.13	.87	100	83	99	99	1070	102	1150	100
16	82	.42	.12	.99	197	83	98	99	1070	102	1140	100
17	82	.40	.12	1.1	270	83	98	99	1070	102	1130	100
18	82	.43	.12	.64	265	83	98	98	1070	101	1130	100
19	82	.38	.12	100	267	83	97	98	1070	101	1140	100
20	82	.27	.12	99	266	83	97	99	1070	102	1130	100
21	82	.28	.12	99	267	83	97	99	1070	102	1140	100
22	91	.27	.12	99	326	83	96	164	1060	102	1150	101
23	97	.29	.12	100	363	84	96	347	1070	102	1140	100
24	96	.33	.22	100	501	82	96	345	1070	105	1130	99
25	96	.23	.23	99	856	83	97	343	1070	108	1130	99
26	97	.27	.23	99	853	83	96	342	1080	107	1140	99
27	97	.17	.23	99	849	83	95	341	1090	106	1130	99
28	97	.20	.23	99	899	84	96	342	1100	106	1130	99
29	97	.17	.23	99	---	84	96	341	1090	105	1120	99
30	97	.23	.23	99	---	84	96	447	1090	105	1120	99
31	67	---	.20	99	---	85	---	848	---	105	1100	---
TOTAL	9148	27.94	6.94	1358.82	7674	8187	2730	5920	31304	3994	20957	12562
MEAN	295	.93	.22	43.8	274	264	91.0	191	1043	129	676	419
MAX	1090	4.1	.48	100	899	1120	102	848	1100	909	1150	1130
MIN	67	.17	.12	.03	99	82	80	96	848	99	101	98
AC-FT	18150	55	14	2700	15220	16240	5410	11740	62090	7920	41570	24920
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1995, BY WATER YEAR (WY)												
MEAN	130	33.0	14.0	20.7	27.5	230	283	344	440	317	292	275
MAX	1184	910	170	143	274	605	1317	1404	2905	970	967	2789
(WY)	1942	1943	1942	1942	1995	1944	1942	1973	1937	1983	1994	1941
MIN	29.7	.21	.086	.18	.22	2.05	45.6	61.5	61.5	47.4	50.9	36.7
(WY)	1975	1989	1989	1994	1954	1948	1957	1956	1963	1991	1991	1972
SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1937 - 1995												
ANNUAL TOTAL				87689.10		103869.70						
ANNUAL MEAN				240		285				201		
HIGHEST ANNUAL MEAN										710		1941
LOWEST ANNUAL MEAN										91.9		1954
HIGHEST DAILY MEAN				1400	Jun 1	1150	Aug 15		26400		Sep 1	1942
LOWEST DAILY MEAN				.10	Feb 9	.03	Jan 2		.00		Sep 1	1937
ANNUAL SEVEN-DAY MINIMUM				.12	Jan 17	.03	Jan 2		.00		Feb 18	1952
INSTANTANEOUS PEAK FLOW						1190	Aug 15		a42800		Sep 1	1942
INSTANTANEOUS PEAK STAGE						4.16	Aug 15		13.58		Sep 22	1941
ANNUAL RUNOFF (AC-FT)				173900		206000			145700			
10 PERCENT EXCEEDS				1090		1080			786			
50 PERCENT EXCEEDS				105		99			83			
90 PERCENT EXCEEDS				.16		.23			.50			

a Estimated

a-From computation of flow over spillway and through outlet gates of Sumner Dam by Bureau of Reclamation.

RIO GRANDE BASIN

08385000 FORT SUMNER MAIN CANAL NEAR FORT SUMNER, NM

LOCATION.--Lat 34°30'30", long 104°16'40", in SE¼SW¼SW¼ sec.1, T.3 N., R.25 E., DeBaca County, Hydrologic Unit 13060000, on right bank of concrete canal, 200 ft downstream from diversion dam on Pecos River, 3.0 mi northwest of Fort Sumner, and at Pecos River mile 684.8.

PERIOD OF RECORD.--March 1939 to February 1943 (published in WSP 1732), April 1954 to current year (monthly discharge only prior to October 1965).

GAGE.--Water-stage recorder. Elevation of gage is 4,034.7 ft above National Geodetic Vertical Datum of 1929 (Bureau of Reclamation bench mark). Prior to March 1954, at site 2.4 mi downstream at different datum. April 1954 to March 1965, at site 1.1 mi downstream at datum 1.7 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Canal diverts water from Pecos River for irrigation of about 6,600 acres, 1961 determination, by the Fort Sumner Irrigation District. Several observations of water temperature were made during the year. No flow for many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	.00	.00	.00	.00	100	82	89	88	92	93	93
2	95	.00	.00	.00	.00	103	80	88	92	89	89	93
3	88	.00	.00	.00	.00	105	82	85	94	93	89	93
4	90	.00	.00	.00	.00	105	82	86	70	92	94	97
5	90	.00	.00	.00	.00	107	74	87	.21	91	93	99
6	90	.00	.00	.00	.00	101	70	80	.18	91	93	99
7	87	.00	.00	.00	.00	97	65	94	45	91	93	99
8	82	.00	.00	.00	.00	95	68	91	64	91	92	100
9	78	.00	.00	.00	.00	97	68	90	63	91	92	101
10	78	.00	.00	.00	.00	100	68	88	63	87	92	95
11	82	.00	.00	.00	.00	96	68	84	63	92	91	85
12	87	.00	.00	.00	.00	93	67	93	63	93	90	85
13	85	.00	.00	.00	.00	88	60	94	63	93	89	88
14	83	.00	.00	.00	.00	85	86	94	77	93	89	88
15	92	.00	.00	.00	e.82	84	95	96	94	93	90	87
16	91	.00	.00	.00	50	83	93	95	94	94	87	87
17	90	.00	.00	.00	.91	76	94	94	94	93	87	86
18	90	.00	.00	.00	.83	81	94	95	93	93	87	85
19	87	.00	.00	.00	.78	82	93	95	92	92	87	90
20	79	.00	.00	.00	.78	81	94	95	93	94	86	90
21	78	.00	.00	.00	.79	81	94	95	97	42	90	89
22	78	.00	.00	.00	72	80	95	94	94	93	92	89
23	89	.00	.00	.00	99	80	94	96	94	94	92	89
24	89	.00	.00	.00	101	79	94	92	94	94	92	87
25	89	.00	.00	.00	103	79	93	94	94	95	92	87
26	89	.00	.00	.00	103	79	93	94	94	61	92	86
27	89	.00	.00	.00	103	79	94	96	93	92	92	85
28	89	.00	.00	.00	102	81	93	102	93	92	92	84
29	89	.00	.00	.00	---	83	92	97	93	92	92	82
30	89	.00	.00	.00	---	82	90	98	94	92	92	80
31	89	---	.00	.00	---	84	---	95	---	97	92	---
TOTAL	2694	0.00	0.00	0.00	737.91	2746	2515	2866	2345.39	2782	2813	2698
MEAN	86.9	.000	.000	.000	26.4	88.6	83.8	92.5	78.2	89.7	90.7	89.9
MAX	95	.00	.00	.00	103	107	95	102	97	97	94	101
MIN	78	.00	.00	.00	.00	76	60	80	.18	42	86	80
AC-FT	5340	.00	.00	.00	1460	5450	4990	5680	4650	5520	5580	5350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

	MEAN	67.4	.90	.44	7.94	5.33	54.7	74.9	78.0	84.5	80.5	78.6	72.9
MAX	98.0	3.57	19.6	43.5	46.2	95.8	98.6	105	108	108	108	99.9	101
(WY)	1974	1983	1940	1967	1988	1988	1987	1989	1973	1942	1955	1955	1955
MIN	.000	.000	.000	.000	.000	.000	35.4	.000	46.8	29.6	31.3	1.33	
(WY)	1942	1942	1941	1940	1940	1942	1942	1942	1941	1972	1990	1942	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1939 - 1995

ANNUAL TOTAL	21240.76	22197.30	
ANNUAL MEAN	58.2	60.8	51.1
HIGHEST ANNUAL MEAN			60.8
LOWEST ANNUAL MEAN			25.3
HIGHEST DAILY MEAN	105 Mar 1	107 Mar 5	174 Jul 22 1941
LOWEST DAILY MEAN	.00 Jan 1	.00 Nov 1	.00 Apr 5 1939
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Nov 1	.00 Nov 5 1939
ANNUAL RUNOFF (AC-FT)	42130	44030	37030
10 PERCENT EXCEEDS	100	95	97
50 PERCENT EXCEEDS	87	87	71
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

RIO GRANDE BASIN

08385500 PECOS RIVER NEAR FORT SUMNER, NM -- Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	37	1.3	1.8	102	917	1.6	3.6	669	927	104	874
2	675	15	1.3	1.8	101	927	1.5	4.3	687	127	17	892
3	903	10	1.3	1.8	101	933	1.3	3.9	703	40	15	895
4	917	8.5	1.2	1.9	101	757	1.2	5.0	845	23	9.6	902
5	923	7.2	1.3	2.1	100	487	1.0	136	913	17	7.9	916
6	911	6.1	1.8	1.9	99	395	.97	31	908	14	7.5	914
7	750	5.6	1.6	1.8	99	261	3.4	4.1	894	13	6.5	916
8	394	5.2	1.6	1.7	99	185	1.3	2.1	875	12	6.3	930
9	226	4.7	1.6	1.7	97	35	.99	2.7	878	11	7.1	927
10	145	4.2	1.6	1.6	97	23	.99	3.2	891	14	9.5	642
11	38	4.0	1.6	1.5	97	8.4	.97	7.7	892	8.6	6.8	78
12	17	4.9	1.6	1.6	98	5.9	1.0	1.3	898	8.1	6.2	39
13	11	4.2	1.5	2.2	96	4.9	4.5	1.3	896	8.4	6.8	28
14	9.4	3.6	1.4	2.9	96	4.4	2.8	1.2	895	8.4	17	24
15	23	3.2	1.4	3.8	84	3.9	1.7	1.6	898	8.6	840	23
16	14	3.2	1.4	4.5	131	3.7	1.3	1.6	901	10	893	20
17	11	2.8	1.4	5.5	239	7.4	1.2	1.0	908	9.4	903	18
18	9.9	2.7	1.4	6.5	237	3.8	1.4	1.2	911	10	891	18
19	8.8	2.4	1.4	76	239	3.1	1.2	1.4	908	9.2	880	14
20	5.8	1.9	1.4	97	242	3.0	1.2	1.4	906	11	902	16
21	4.9	2.1	1.4	100	244	2.9	1.4	1.1	1040	64	861	15
22	4.5	2.1	1.2	101	236	2.4	1.8	1.1	912	8.5	859	16
23	11	2.0	1.3	102	245	2.4	2.1	175	906	9.8	857	16
24	13	1.7	1.4	102	407	2.3	2.2	207	912	10	856	11
25	13	1.8	1.5	102	677	2.2	2.8	212	913	14	856	12
26	13	1.6	1.6	103	678	1.9	2.9	217	918	42	857	12
27	13	1.4	1.6	102	682	2.0	3.7	210	923	7.1	857	12
28	13	1.3	1.6	102	768	2.0	4.3	214	920	7.7	857	15
29	13	1.3	1.8	103	---	2.0	3.5	226	924	7.4	856	17
30	13	1.4	1.8	103	---	1.7	3.1	245	983	7.1	859	17
31	21	---	1.8	103	---	1.7	---	630	---	85	858	---
TOTAL	6228.3	153.1	46.1	1342.6	6492	4992.0	59.32	2553.8	26627	1552.3	14969.2	9229
MEAN	201	5.10	1.49	43.3	232	161	1.98	82.4	888	50.1	483	308
MAX	923	37	1.8	103	768	933	4.5	630	1040	927	903	930
MIN	4.5	1.3	1.2	1.5	84	1.7	.97	1.0	669	7.1	6.2	11
AC-FT	12350	304	91	2660	12880	9900	118	5070	52810	3080	29690	18310

WTR YR 1995 TOTAL 74244.72 MEAN 203 MAX 1040 MIN .97 AC-FT 147300

RIO GRANDE BASIN

08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM

LOCATION.--Lat 34°19'56", long 104°10'48", NW¼NE¼ sec.11, T.1 N., R.26 E., De Baca County, Hydrologic Unit 13060003, on left bank 0.6 mi downstream from Taiban Creek, 11.0 mi southeast of Fort Sumner, and at mile 665.7.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,910 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records fair except for estimated daily discharges, and those above 1,000 ft³/s, which are poor. Flow partly regulated by Sumner Dam (station 08384000) 23 mi upstream. Diversion for irrigation of about 19,100 acres (1959 determination) above station. Discharge represents in general, return flow from irrigated areas in Fort Sumner Irrigation Project.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,330 ft³/s, Aug. 20, 1995; minimum daily, 11 ft³/s, Feb. 11-13, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,330 ft³/s, Aug. 20; minimum daily, 15 ft³/s, Jan. 9-13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	93	20	17	121	1030	40	43	818	999	182	943
2	577	52	20	17	121	1040	36	39	829	395	56	979
3	1030	43	21	17	121	1070	42	41	818	127	56	958
4	1030	39	20	17	123	975	42	36	918	108	53	968
5	1080	38	21	17	122	515	39	40	996	97	42	983
6	1020	35	23	18	123	465	34	175	986	82	40	989
7	979	34	21	16	123	268	36	49	978	80	38	982
8	572	34	21	16	124	261	53	43	962	71	38	1060
9	357	33	21	15	125	88	52	43	960	65	46	1160
10	277	33	21	e15	125	63	55	39	980	59	74	984
11	128	34	21	e15	127	56	52	39	977	54	54	262
12	87	38	21	e15	130	41	44	45	982	48	53	186
13	81	33	21	15	130	40	46	42	972	47	53	152
14	75	31	21	16	130	37	39	44	973	44	58	146
15	113	29	20	16	127	38	32	44	967	44	617	149
16	106	27	20	17	108	44	32	42	962	48	964	150
17	101	26	20	18	247	51	32	45	967	51	959	138
18	92	26	19	19	242	52	35	44	964	49	984	110
19	90	25	19	31	247	38	36	44	963	49	980	101
20	84	25	19	78	253	52	38	64	973	49	1330	117
21	71	24	19	84	257	41	36	60	1030	74	968	113
22	55	24	19	90	253	32	34	55	1100	65	977	103
23	53	23	19	97	265	27	38	134	961	47	994	108
24	57	22	19	102	309	31	34	250	986	45	982	117
25	58	22	19	106	711	30	35	265	972	45	978	92
26	50	22	19	109	747	32	35	276	981	67	960	67
27	59	22	18	110	781	34	37	270	1030	49	955	59
28	76	23	18	109	791	34	45	270	1050	38	951	64
29	91	22	17	115	---	44	54	277	1030	36	951	69
30	70	22	18	121	---	39	55	347	1040	34	947	58
31	80	---	18	124	---	47	---	634	---	33	943	---
TOTAL	8671	954	613	1572	7083	6615	1218	3839	29125	3099	17283	12367
MEAN	280	31.8	19.8	50.7	253	213	40.6	124	971	100	558	412
MAX	1080	93	23	124	791	1070	55	634	1100	999	1330	1160
MIN	50	22	17	15	108	27	32	36	818	33	38	58
AC-FT	17200	1890	1220	3120	14050	13120	2420	7610	57770	6150	34280	24530

CAL YR 1994 TOTAL 77286 MEAN 212 MAX 1280 MIN 11 AC-FT 153300
WTR YR 1995 TOTAL 92439 MEAN 253 MAX 1330 MIN 15 AC-FT 183400

e Estimated

RIO GRANDE BASIN

08385522 PECOS RIVER BELOW TAIBAN CREEK NEAR FORT SUMNER, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1992 to September 1993.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)
NOV 1994 01...	0930	129	2060	8.1	14.0	9.5	26	660	9.0	92
MAR 1995 29...	0815	45	1830	7.8	6.5	5.5	17	664	11.0	101
MAY 01...	1600	41	1990	8.1	27.0	26.0	4.3	664	7.5	107
AUG 01...	1615	124	950	7.7	26.0	26.0	1200	664	6.8	97

DATE	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (MG/L AS) (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (MG/L AS) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)
NOV 1994 01...	1000	930	330	53	75	1	2.5	137	0	112
MAR 1995 29...	1100	880	320	63	93	1	3.5	217	0	178
MAY 01...	1200	1100	370	77	140	2	3.3	196	0	161
AUG 01...	390	310	120	23	35	0.8	3.9	103	0	84

DATE	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)
NOV 1994 01...	134	940	88	0.50	0.090	12	1570	130	20
MAR 1995 29...	173	940	95	0.60	0.090	9.6	1630	150	20
MAY 01...	162	1200	130	0.70	0.13	12	2030	210	20
AUG 01...	115	350	38	0.30	0.020	8.2	629	80	140

RIO GRANDE BASIN

08385630 PECOS RIVER NEAR DUNLAP, NM

LOCATION.--Lat 34°03'48", long 104°18'22", in SE¼NW¼, sec. 10, T.3 S., R.25 E., DeBaca County, Hydrologic Unit 13060003, on left bank 1.2 mi south of Van Eaton Ranch, 2.5 mi upstream from Arroyo de la Mora, 2.7 mi downstream from Blanco Canyon, 15 mi east of Dunlap, NM, and at mile 638.1

PERIOD OF RECORD.--August 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,760 ft above National Geodetic Vertical Datum of 1929, from river profile map.

REMARKS.--Records fair except for estimated daily discharges and those above 600 ft³/s, which are poor. Flow partly regulated by Lake Summer (station 08384000). Diversion for irrigation of about 19,100 acres (1959 determination) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,320 ft³/s, Sept. 9, 1995; minimum daily, 10 ft³/s, Jan. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,320 ft³/s Sept. 9; minimum daily, 10 ft³/s, Jan. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	79	20	15	106	e872	47	51	678	1040	33	953
2	56	93	20	13	104	e1000	41	38	750	923	137	959
3	391	61	18	13	104	e1050	e37	31	779	324	63	964
4	809	51	17	14	104	e950	35	28	763	190	53	963
5	852	44	19	15	106	680	31	32	892	141	49	970
6	840	40	26	16	103	598	29	37	895	110	42	963
7	828	38	26	15	104	495	26	116	904	84	30	941
8	645	36	22	12	108	350	24	62	885	73	21	989
9	409	33	19	12	108	296	39	46	896	64	17	1320
10	285	32	19	11	106	122	43	43	910	58	51	1000
11	221	31	18	10	104	109	58	43	916	53	60	700
12	129	38	17	12	109	100	55	40	898	49	28	323
13	91	36	18	14	116	82	41	44	883	45	26	252
14	75	30	17	14	115	70	35	40	899	42	25	217
15	103	27	17	14	111	63	33	42	924	42	31	210
16	105	27	16	13	104	61	28	46	940	47	674	202
17	91	25	16	11	104	60	28	41	945	155	896	188
18	84	23	16	11	222	58	25	45	929	98	913	176
19	81	23	16	11	214	59	28	47	911	53	900	156
20	81	20	15	10	220	50	29	47	927	83	1100	139
21	76	20	14	65	224	58	31	58	974	56	931	140
22	67	22	15	97	224	51	33	64	1080	83	923	136
23	56	21	15	99	229	43	30	58	928	50	944	130
24	49	21	15	104	248	37	33	105	982	35	952	125
25	53	21	14	106	399	34	34	246	970	32	949	120
26	55	21	14	109	654	36	30	287	991	34	943	110
27	51	18	14	100	705	36	31	298	1010	41	944	96
28	55	18	14	98	735	37	32	281	1020	41	940	89
29	69	19	14	100	---	40	38	431	1030	26	954	91
30	88	20	15	100	---	49	46	352	1030	25	962	88
31	73	---	16	103	---	51	---	387	---	28	963	---
TOTAL	6924	988	532	1337	5890	7597	1050	3486	27539	4125	15554	13710
MEAN	223	32.9	17.2	43.1	210	245	35.0	112	918	133	502	457
MAX	852	93	26	109	735	1050	58	431	1080	1040	1100	1320
MIN	49	18	14	10	103	34	24	28	678	25	17	88
AC-FT	13730	1960	1060	2650	11680	15070	2080	6910	54620	8180	30850	27190

CAL YR 1994 TOTAL 70672 MEAN 194 MAX 1030 MIN 11 AC-FT 140200
WTR YR 1995 TOTAL 88732 MEAN 243 MAX 1320 MIN 10 AC-FT 176000

e Estimated

RIO GRANDE BASIN

08385648 PECOS RIVER ABOVE ACME, NM

LOCATION.--Lat 33°41'09", long 104°18'59", in SW¼ sec. 31, T.7 S., R.26 E., Chaves County, Hydrologic Unit 13060007, on left bank 0.5 mi upstream from Eightmile Draw, 2.5 mi upstream from boundary for Bitter Lake National Wildlife Refuge, 4.6 miles downstream from Sand Creek and at mile 596.3.

PERIOD OF RECORD.--August 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,550 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and those above 600 ft³/s, which are poor. Flow partly regulated by Lake Summer (station 08384000). Diversion for irrigation of about 19,100 acres (1959 determination) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,200 ft³/s, Mar. 2, 1995; minimum daily, 1.9 ft³/s, Aug. 11, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,200 ft³/s, Mar. 2; minimum daily, 1.9 ft³/s, Aug. 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	60	14	14	102	e950	47	23	306	1100	e22	e810
2	19	60	15	14	100	e1200	42	28	e640	1040	e20	e850
3	18	79	15	15	95	e1100	46	28	e680	666	e62	e910
4	481	56	15	14	99	e1000	50	21	e660	185	e110	e930
5	650	38	16	15	100	924	37	17	e700	147	e68	e940
6	810	32	21	14	103	394	32	14	1010	147	e24	e960
7	669	29	22	14	105	442	29	13	745	113	e10	e980
8	657	28	24	13	112	277	26	84	865	87	e4.2	e1020
9	304	27	23	12	112	239	22	39	754	69	e2.1	e2100
10	207	24	20	11	112	213	18	20	763	59	e2.0	e1200
11	186	23	18	9.7	115	131	29	15	845	48	e1.9	e670
12	166	33	16	8.9	117	99	36	13	921	38	e4.5	e480
13	79	35	17	8.0	126	84	37	10	967	33	e12	346
14	55	31	17	7.4	130	66	34	7.5	909	29	e6.2	215
15	80	27	16	7.5	129	56	28	7.9	868	e24	e3.7	186
16	86	22	16	7.2	128	50	28	6.6	819	e21	e10	187
17	81	20	15	6.4	132	44	25	5.3	853	e61	e505	167
18	74	19	15	6.4	120	42	20	4.7	868	e272	e830	184
19	62	17	14	5.2	e160	40	18	3.9	1280	e180	e730	172
20	64	15	14	5.7	e230	45	17	3.9	1050	e86	e690	140
21	62	15	13	5.6	e250	40	19	3.5	1030	e52	e1130	117
22	60	15	14	5.7	e270	40	19	2.6	1160	e89	e890	126
23	57	16	14	47	e300	41	23	3.7	1070	e58	e1030	123
24	48	17	14	76	e310	35	25	3.6	910	e58	e860	114
25	40	17	14	87	e350	30	21	3.4	889	e34	e800	117
26	42	18	14	97	e470	25	21	101	827	e23	e810	107
27	42	15	14	100	e640	25	19	142	937	e18	e860	91
28	40	14	14	95	e670	24	18	147	1040	e16	e940	76
29	38	13	14	97	---	28	18	322	1210	e14	e950	67
30	46	14	14	101	---	31	18	424	1560	e25	e850	56
31	67	---	15	101	---	36	---	304	---	e16	e770	---
TOTAL	5311	829	497	1020.7	5687	7751	822	1821.6	27136	4808	13007.6	14441
MEAN	171	27.6	16.0	32.9	203	250	27.4	58.8	905	155	420	481
MAX	810	79	24	101	670	1200	50	424	1560	1100	1130	2100
MIN	18	13	13	5.2	95	24	17	2.6	306	14	1.9	56
AC-FT	10530	1640	986	2020	11280	15370	1630	3610	53820	9540	25800	28640

CAL YR 1994 TOTAL 61006.6 MEAN 167 MAX 1050 MIN 6.2 AC-FT 121000
WTR YR 1995 TOTAL 83131.9 MEAN 228 MAX 2100 MIN 1.9 AC-FT 164900

e Estimated

RIO GRANDE BASIN
08386000 PECOS RIVER NEAR ACME, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)
OCT 1994												
03...	1300	34	2210	8.1	31.5	21.0	669	8.6	111	12	1000	900
FEB 1995												
01...	1145	93	2460	8.3	15.0	9.5	674	12.2	122	15	1300	1200
MAR												
29...	1200	28	3300	8.0	9.0	5.0	673	12.8	114	16	1400	1300
SEP												
27...	0915	85	1550	8.1	24.0	19.0	670	12.5	154	10	690	600

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB DIS-SOLVED (MG/L AS SO4) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
OCT 1994												
03...	300	63	130	2	3.6	129	0	106	77	970	160	0.50
FEB 1995												
01...	430	66	140	2	2.6	126	0	103	97	1200	190	0.50
MAR												
29...	410	89	280	3	3.4	142	0	116	100	1300	390	0.50
SEP												
27...	210	39	81	1	2.7	107	0	88	86	630	100	0.40

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS DIS-SOLVED TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)
OCT 1994											
03...	11	1700	<0.010	<0.050	0.070	<0.20	<0.010	<0.010	1.8	<1	<1
FEB 1995											
01...	11	2100	<0.010	0.130	0.090	<0.20	0.020	0.010	2.1	--	--
MAR											
29...	9.8	2550	<0.010	<0.050	0.090	<0.20	<0.010	<0.010	2.4	--	--
SEP											
27...	11	1130	<0.010	0.210	0.020	0.20	0.010	<0.010	2.2	1	<1

DATE	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
OCT 1994											
03...	170	<1	<1.0	<1	<1	1	<1	<10	<1	<1	<0.10
FEB 1995											
01...	130	--	--	--	--	--	--	<10	--	--	--
MAR											
29...	220	--	--	--	--	--	--	<10	--	--	--
SEP											
27...	110	<1	<1.0	<1	<1	2	1	<3	<1	<1	<0.10

RIO GRANDE BASIN

08386000 PECOS RIVER NEAR ACME, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
OCT 1994 03...	0.2	<1	<1	<10	<10	<2.0	0.3	<20	95	2	<1
FEB 1995 01...	--	--	--	--	--	--	--	--	--	--	--
MAR 29...	--	--	--	--	--	--	--	--	--	--	--
SEP 27...	<0.1	<1	<1	<10	<10	--	--	--	--	--	--

DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994 03...	2	<5	2	1500	<10	150	<0.01	6	52	4.8	72
FEB 1995 01...	--	--	--	--	--	--	--	--	178	45	76
MAR 29...	--	--	--	--	--	--	--	--	30	2.3	80
SEP 27...	--	--	--	--	--	--	--	--	121	28	61

RIO GRANDE BASIN

08387000 RIO RUIDOSO AT HOLLYWOOD, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-67, 1987 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)
OCT 1994 05...	1200	7.4	1360	8.2	20.0	15.0	604	8.5	107	<10
JAN 1995 31...	0920	9.9	1310	8.4	10.0	2.0	605	12.3	113	12
MAR 30...	0745	21	700	7.9	4.5	4.0	603	9.7	94	<10
SEP 26...	1500	14	860	8.5	26.0	16.5	602	10.1	132	11

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 1994 05...	65	110	650	180	49	55	0.9	1.6	154	480
JAN 1995 31...	K5	33	560	160	40	50	0.9	1.6	143	370
MAR 30...	K5	23	320	92	21	29	0.7	1.0	121	200
SEP 26...	26	K98	420	120	30	36	0.8	1.3	123	300

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 1994 05...	68	0.30	14	941	<0.010	0.080	0.050	<0.20	0.010	<0.010
JAN 1995 31...	63	0.30	14	786	<0.010	0.200	0.030	1.0	0.940	<0.010
MAR 30...	33	0.30	10	460	<0.010	0.240	0.040	<0.20	<0.010	<0.010
SEP 26...	46	0.30	11	619	<0.010	0.060	0.020	<0.20	<0.010	0.020

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO-GEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO-GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS-PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD) (01028)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G) (01029)
OCT 1994 05...	1.0	30	<3	<2.0	18	200	390	3	<1	4
JAN 1995 31...	11	20	26	--	--	--	--	--	--	--
MAR 30...	2.9	10	<3	--	--	--	--	--	--	--
SEP 26...	1.2	<10	<3	--	--	--	--	--	--	--

RIO GRANDE BASIN

08387000 RIO RUIDOSO AT HOLLYWOOD, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994										
05...	10	7	6100	30	190	<0.01	30	20	0.40	69
JAN 1995										
31...	--	--	--	--	--	--	--	55	1.5	87
MAR										
30...	--	--	--	--	--	--	--	43	2.4	6
SEP										
26...	--	--	--	--	--	--	--	17	0.66	80

RIO GRANDE BASIN

08387600 EAGLE CREEK BELOW SOUTH FORK, NEAR ALTO, NM

LOCATION.--Lat 33°23'33", long 105°43'16", in SE¼SW¼ sec.31, T.10 S., R.13 E., Lincoln County, Hydrologic Unit 13060008, in Lincoln National Forest on right bank 100 ft upstream from culvert under State Road 532, 400 ft downstream from South Fork, and 2.5 mi west of Alto. Mouth at Rio Ruidoso mile 11.3.

DRAINAGE AREA.--8.14 mi².

PERIOD OF RECORD.--August 1969 to December 1980, April 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,600 ft above National Geodetic Vertical Datum of 1929, from topographic map. August 26, 1969 to December 31, 1980, at site 360 ft downstream at datum 6.0 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions for irrigation upstream from station. Some water is stored in small unregulated recreational ponds on the Mescalero Apache Indian Reservation upstream. Several observations of water temperature were made during the year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	e.15	.13	.77	.92	3.2	2.0	.80	.47	.22	.57	1.2
2	.09	e.15	.12	.75	.96	3.1	1.9	1.1	.45	.39	.37	1.0
3	.09	.16	.12	.75	.92	2.9	1.8	2.8	.40	.20	.31	.96
4	.09	.19	.11	.72	.89	2.7	1.8	2.5	.38	.15	.30	.83
5	.08	.19	1.5	.80	.90	2.7	1.6	2.2	.35	.13	.28	.68
6	.08	.19	34	.78	.92	6.4	1.5	2.1	.31	.13	.27	.55
7	.10	.19	21	.76	.95	6.5	1.4	2.1	.29	e.12	.26	.50
8	.11	.88	11	.92	.97	5.1	1.3	1.9	.27	e.11	.24	.73
9	.11	.33	7.5	1.1	1.0	4.5	1.3	1.7	.25	e.10	.23	.57
10	.11	.27	5.3	1.2	1.0	4.2	1.3	1.5	.24	e.10	.23	1.4
11	.11	.43	4.2	1.1	1.0	3.9	1.2	1.3	.24	e.11	.24	.64
12	.45	13	3.4	1.1	1.0	4.0	1.2	1.2	.22	e.12	.23	.50
13	.80	10	3.1	.96	2.2	3.8	1.2	1.1	.21	.13	.24	.45
14	.80	3.1	2.7	.96	3.5	3.6	1.2	1.1	.20	.15	2.7	.42
15	55	1.3	2.3	.99	7.7	3.4	1.3	1.0	.19	.17	2.0	1.6
16	45	.75	2.0	.99	4.8	3.3	1.3	.98	.18	.32	1.0	2.5
17	8.4	.51	1.8	1.0	3.9	3.2	1.3	.95	.25	.56	1.0	.96
18	1.6	.41	1.7	1.0	3.6	3.1	1.2	.98	.24	.41	2.0	.90
19	6.1	.34	1.5	1.0	3.4	3.0	1.3	.94	.21	.47	2.2	1.0
20	4.6	.29	1.4	1.0	3.2	3.1	1.5	.93	.21	.54	1.7	1.4
21	2.5	.25	1.3	1.0	3.0	3.4	1.4	.89	.19	.38	1.6	1.3
22	2.0	.24	1.3	.95	3.1	3.9	1.4	.83	.17	.34	1.4	1.6
23	e1.3	.25	1.2	.91	3.1	3.8	1.3	.76	.16	.28	1.2	1.3
24	e.90	.23	1.2	.93	3.1	3.5	1.3	.68	.16	.25	1.1	1.2
25	e.70	.21	1.1	.90	3.4	3.4	1.2	.59	.16	.24	2.4	1.2
26	e.60	.20	1.0	.96	3.2	3.2	1.0	.57	.18	.23	4.4	.95
27	e.50	.18	1.0	.94	3.1	3.0	.94	.55	.17	.22	2.9	.86
28	e.40	.16	1.0	.88	3.1	2.7	.88	.53	.16	.22	2.2	1.7
29	e.30	.15	.95	.83	---	2.5	.84	.54	.16	.22	1.7	1.3
30	e.20	.14	.86	.80	---	2.3	.82	.52	.21	.21	1.5	.82
31	e.20	---	.81	.87	---	2.1	---	.49	---	.33	1.4	---
TOTAL	133.60	34.84	116.60	28.62	68.83	109.5	39.68	36.13	7.28	7.55	38.17	31.02
MEAN	4.31	1.16	3.76	.92	2.46	3.53	1.32	1.17	.24	.24	1.23	1.03
MAX	55	13	34	1.2	7.7	6.5	2.0	2.8	.47	.56	4.4	2.5
MIN	.08	.14	.11	.72	.89	2.1	.82	.49	.16	.10	.23	.42
AC-FT	265	69	231	57	137	217	79	72	14	15	76	62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
MEAN	2.68	2.17	2.28	1.78	2.47	4.09	5.39	4.20	1.43	1.80	3.76	3.85
MAX	14.4	17.3	19.5	7.89	8.19	10.6	14.0	15.8	5.94	5.50	16.3	9.26
(WY)	1975	1979	1979	1979	1979	1979	1973	1973	1979	1990	1988	1974
MIN	.29	.22	.22	.22	.36	.33	.24	.16	.050	.10	.31	.35
(WY)	1990	1990	1990	1990	1971	1971	1971	1971	1990	1971	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1970 - 1995
ANNUAL TOTAL	473.41	651.82	
ANNUAL MEAN	1.30	1.79	2.94
HIGHEST ANNUAL MEAN			8.48
LOWEST ANNUAL MEAN			.39
HIGHEST DAILY MEAN	55 Oct 15	55 Oct 15	170 Dec 19 1978
LOWEST DAILY MEAN	.08 Oct 5	.08 Oct 5	.00 Jul 9 1989
ANNUAL SEVEN-DAY MINIMUM	.09 Oct 2	.09 Oct 2	.00 Jun 17 1990
INSTANTANEOUS PEAK FLOW		158 Oct 15	a206 Dec 19 1978
INSTANTANEOUS PEAK STAGE		7.45 Oct 15	3.79 Dec 19 1978
INSTANTANEOUS LOW FLOW		.05 Oct 5	.00 Jul 9 1989
ANNUAL RUNOFF (AC-FT)	939	1290	2130
10 PERCENT EXCEEDS	2.0	3.4	7.4
50 PERCENT EXCEEDS	.45	.95	1.3
90 PERCENT EXCEEDS	.15	.17	.29

e Estimated

a-From rating curve extended above 40 ft³/s.

RIO GRANDE BASIN

08390600 TWO RIVERS RESERVOIR NEAR ROSWELL, NM

LOCATION.--08390610 Rio Hondo Reservoir: Lat 33°17'55", long 104°43'20", in SW¼SE¼NE¼ sec.4, T.12 S., R.22 E., Chaves County, Hydrologic Unit 13060008, near center of Diamond A Dam on Rio Hondo, 13 mi southwest of Roswell at mile 33.4. 08390620 Rocky Arroyo Reservoir: Lat 33°16'20", long 104°43'20", in NW¼SE¼NE¼sec.16, T.12 S., R.22 E., at left end of Rocky Dam on Rocky Arroyo, and 14 mi southwest of Roswell.

DRAINAGE AREA.--1,027 mi²; Rio Hondo, 963 mi²; Rocky Arroyo, 64 mi².

PERIOD OF RECORD.--July 1963 to current year (prior to October 1965 monthend contents only). Prior to October 1966, contents at 0800 hours.

GAGE.--Water-stage recorder. Elevation of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Two Rivers Reservoir, completed July 16, 1963, is formed by earthfill dams on Rio Hondo, which forms Rio Hondo Reservoir, and on Rocky Arroyo, which forms Rocky Arroyo Reservoir. Above elevation 3,980.0 ft, the pools of the two reservoirs combine to form Two Rivers Reservoir with a total capacity of 163,800 acre-ft, at elevation 4,032.0 ft, crest of ungated spillway. Capacity by original survey was 167,900 acre-ft. Capacity of Rio Hondo Reservoir, 142 acre-ft, from capacity table dated January 1990, between elevations 3,957.0 ft, sill of outlet gate, and 3,980.0. Capacity of Rocky Arroyo Reservoir, 12,860 acre-ft, from capacity table dated January 1990, between elevations 3,945.0, sill of outlet gate, and 3,980.0 ft. No dead storage in Rio Hondo Reservoir or Rocky Arroyo Reservoir. Primary objective of project is flood control. Outlet conduits in Rocky Dam have fixed openings. Figures given herein represent total contents at 2400 hours. U.S. Army Corps of Engineers satellite telemeters at stations.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Rio Hondo Reservoir: Maximum contents, 1,260 acre-ft, July 29, 1965, elevation, 3,985.7 ft; no storage most of time. Rocky Arroyo Reservoir: Maximum contents, 6,090 acre-ft, June 18, 1965, elevation, 3,970.7 ft; no storage most of time.

EXTREMES FOR CURRENT YEAR.--Maximum contents, Rio Hondo Reservoir, 490 acre-ft, May 20; elevation 3,984.07 ft; Rocky Arroyo Reservoir, no storage during year; no contents both reservoirs most of time.

CONTENTS, IN ACRE-FEET, AND ELEVATION, IN FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
NO CONTENTS AT 2400 HOURS DURING YEAR EXCEPT:

RIO HONDO RESERVOIR

DATE	ELEVATION	CONTENTS
Dec. 14	3977.30	40
Feb. 24	3973.31	6
25	3975.57	13
26	3977.83	53
27	3976.50	24

ROCKY ARROYO RESERVOIR

No storage during the year.

RIO GRANDE BASIN

08390800 RIO HONDO BELOW DIAMOND A DAM, NEAR ROSWELL, NM

LOCATION.--Lat 33°18'05", long 104°43'12", in NE¼SE¼NE¼ sec.4, T.12 S., R.22 E., Chaves County, Hydrologic Unit 13360000, on left bank 500 ft downstream from outlet conduit of Diamond A Dam (Two Rivers Reservoir), 13 mi southwest of Roswell, and at mile 33.3.

DRAINAGE AREA.--963 mi², contributing area.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 3,949.68 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions and ground-water withdrawals for irrigation of about 6,500 acres, 1959 determination, upstream from station. This record represents the outflow from Two Rivers Reservoir through Diamond A Dam 0.1 mi upstream; flow from reservoir can also be discharged into Rocky Arroyo through Rocky Dam (see REMARKS for station 08390600). Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	20	34	5.2	17	4.4	.00	.00	.08	.00	.00
2	.00	.00	16	33	2.8	25	4.5	.00	.00	1.5	.00	.00
3	.00	.00	11	25	1.4	27	5.6	.00	.00	.01	.00	.00
4	.00	.00	12	26	.74	25	2.7	.00	.00	.00	.00	.00
5	.00	.00	8.0	24	1.2	23	1.9	.00	.00	.00	.00	.00
6	.00	.00	3.7	26	1.4	20	.72	.00	.00	.00	.00	.00
7	.00	.00	139	27	.88	14	.00	.00	.00	.00	.00	.00
8	.00	.00	213	27	.10	25	.00	.00	.00	.00	.00	.00
9	.00	.00	137	24	.32	20	.00	.00	.00	.00	.00	5.5
10	.00	.00	106	21	.00	12	.00	.00	.00	.00	.00	4.0
11	.00	.00	93	20	.00	9.6	.00	.00	.00	.00	.00	.32
12	.00	.00	77	19	.00	6.9	.00	.00	.00	.00	.00	3.9
13	.00	12	61	15	.00	12	.00	.00	.00	.00	.00	.00
14	.00	160	30	14	.06	6.4	.00	.00	.00	.00	.00	.00
15	.03	113	44	14	.00	6.1	.00	.00	.00	.00	.00	.00
16	.00	74	34	14	.01	6.5	.00	.00	.00	.00	.00	.00
17	.00	41	31	9.8	5.3	2.2	.00	.00	.00	.85	.00	.00
18	.00	33	31	11	8.9	.64	.00	.00	.00	.10	.00	.00
19	.00	27	28	11	7.6	2.7	.00	.00	.25	.00	.00	.00
20	.00	26	25	11	9.5	3.8	.00	.00	.01	.00	.00	.00
21	.00	30	27	11	7.7	.63	.00	.00	.00	.00	.00	.00
22	.00	30	35	11	3.6	.21	.00	.00	.00	.00	.00	.00
23	.00	26	35	15	5.3	1.9	.00	.00	.00	.00	.00	.00
24	.00	28	35	19	.16	3.9	.00	.00	.00	.00	.00	.00
25	.00	22	34	21	.18	.14	.00	.00	.00	.00	.00	.00
26	.00	15	32	13	.20	4.7	.00	.00	.00	.00	.00	.00
27	.00	18	29	8.4	15	8.0	.00	.00	.00	.00	.00	.00
28	.00	23	31	8.9	18	4.4	.00	.00	.00	.00	.00	.00
29	.00	20	31	11	---	5.6	.00	.00	.00	.00	.00	.00
30	.00	24	31	12	---	8.5	.00	.00	.00	.00	.00	.00
31	.00	---	32	06.9	---	6.5	---	.00	---	.00	.00	---
TOTAL	0.03	722.00	1471.7	543.0	95.55	309.32	19.82	0.00	0.26	2.54	0.00	13.72
MEAN	.001	24.1	47.5	17.5	3.41	9.98	.66	.000	.009	.082	.000	.46
MAX	.03	160	213	34	18	27	5.6	.00	.25	1.5	.00	5.5
MIN	.00	.00	3.7	6.9	.00	.14	.00	.00	.00	.00	.00	.00
AC-FT	.06	1430	2920	1080	190	614	39	.00	.5	5.0	.00	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

	1964	1964	1964	1964	1964	1964	1964	1967	1971	1974	1975	1973
MEAN	14.8	12.8	16.8	17.6	15.1	15.6	22.2	18.0	8.90	7.53	25.1	26.6
MAX	151	122	118	128	82.9	122	176	127	74.7	52.3	137	116
(WY)	1986	1987	1985	1985	1987	1987	1987	1987	1992	1986	1984	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1967	1971	1974	1975	1973

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1964 - 1995
ANNUAL TOTAL	4470.76	3177.94	
ANNUAL MEAN	12.2	8.71	16.8
HIGHEST ANNUAL MEAN			85.6
LOWEST ANNUAL MEAN			.24
HIGHEST DAILY MEAN	213	213	459
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		257	659
INSTANTANEOUS PEAK STAGE		3.31	4.91
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	8870	6300	12140
10 PERCENT EXCEEDS	32	27	58
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

RIO GRANDE BASIN

08393500 RIO HONDO AT ROSWELL, NM

LOCATION.--Lat 33°22'19", long 104°32'42", in NE¼SE¼ sec.7, T.11 S., R.24 E., Chaves County, Hydrologic Unit 13060008, on left bank 0.3 mi upstream from bridge on Sunset Ave. in Roswell, 6.3 mi downstream from Rocky Arroyo and 11.7 mi upstream from mouth. Mouth at Pecos River mile 566.0.

DRAINAGE AREA.--1,070 mi², approximately, (contributing area).

PERIOD OF RECORD.--February 1981 to current year. Records for June 1903 to February 1906, published in WSP 358, are unreliable and should not be used.

GAGE.--Water-stage recorder. Elevation of gage is 3,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor. Flow regulated by Two Rivers Reservoir (station 08390600) 21.7 mi upstream. Diversions and ground-water withdrawals for irrigation upstream from station. Several observations of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemeter at station. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	e13	e.00	.00	e.00	.00	.00	.00	.00	.00
2	.00	.00	.00	e14	.00	.00	e.00	.00	.00	.00	.00	.00
3	.00	.00	.00	e14	.00	.00	e.00	.00	.00	.00	.00	.00
4	.00	.00	.00	e13	.00	.00	e.00	.00	.00	.00	.00	.00
5	.00	.00	.00	e14	.00	.00	e.00	.00	.00	.00	.00	.00
6	.00	.00	.00	14	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	e110	17	.00	.00	.00	.00	.00	.00	.00	.03
8	.00	.00	e180	17	.00	.00	.00	.00	.00	.00	.00	.02
9	.00	.00	e160	14	.00	.00	.00	.00	.00	.00	.00	.58
10	.00	.00	e100	11	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	e68	5.9	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	e50	3.1	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	e34	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	e170	e25	.05	.00	.00	e.00	.00	.00	.00	.00	.00
15	.00	e140	e30	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	e100	16	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	10	6.5	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	2.1	11	.00	.00	e.00	.00	.00	.00	.00	.00	.00
19	.00	.37	16	.00	.00	e.00	.00	.00	.00	.00	.00	.00
20	.00	2.3	12	.00	.00	e.00	.00	.00	.00	.00	.00	.00
21	.00	6.5	10	.00	.00	e.00	.00	.00	.00	.00	.00	.00
22	.00	4.9	9.0	.00	1.7	e.00	.00	.00	.00	.00	.00	.00
23	.00	.00	10	e.00	1.6	e.00	.00	.00	.00	.00	.00	.00
24	.00	.00	13	e.00	.00	e.00	.00	.00	.00	.00	.00	.00
25	.00	.00	11	e.00	.45	e.00	.00	.00	.00	.00	.00	.00
26	.00	.00	10	e.00	.02	e.00	.00	.00	.00	.00	.00	.00
27	.00	.00	10	e.00	.00	e.00	.00	.00	.00	.00	.00	.00
28	.00	.00	12	e.00	.00	e.00	.00	.00	.00	.00	.00	.00
29	.00	.00	12	e.00	---	e.00	.00	.00	.00	.00	.00	.00
30	.00	.00	13	e.00	---	e.00	.00	.00	.00	.00	.00	.00
31	.00	---	13	e.00	---	e.00	---	.00	---	.00	.00	---
TOTAL	0.00	436.17	941.50	150.05	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.63
MEAN	.000	14.5	30.4	4.84	.13	.000	.000	.000	.000	.000	.000	.021
MAX	.00	170	180	17	1.7	.00	.00	.00	.00	.00	.00	.58
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	865	1870	298	7.5	.00	.00	.00	.00	.00	.00	1.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1995, BY WATER YEAR (WY)

	MEAN	19.3	12.3	25.1	24.3	19.7	17.9	23.1	22.2	11.1	12.1	27.1	21.6
MAX	132	107	114	113	79.9	123	139	110	69.2	99.5	116	92.4	
(WY)	1986	1987	1985	1985	1987	1987	1987	1987	1992	1991	1984	1986	
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1982	1982	1982	1982	1982	1981	1981	1982	1982	1982	1983	1992	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1981 - 1995

ANNUAL TOTAL	2709.42	1532.12	
ANNUAL MEAN	7.42	4.20	20.1
HIGHEST ANNUAL MEAN			74.5
LOWEST ANNUAL MEAN			2.46
HIGHEST DAILY MEAN	180	180	363
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW			a378
INSTANTANEOUS PEAK STAGE			b7.50
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	5370	3040	14590
10 PERCENT EXCEEDS	13	10	74
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 360 ft³/s.

b-Maximum gage height 7.5 ft, May 3, 1981, from floodmarks.

RIO GRANDE BASIN

08396500 PECOS RIVER NEAR ARTESIA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
OCT 1994	27...	1300	105	4770	8.3	--	14.0	677	10.8	120	30	--	36
JAN 1995	10...	1200	86	7940	8.4	10.0	5.0	679	12.4	112	62	K44	K44
MAR	31...	0845	65	7430	7.9	10.0	11.0	680	11.3	118	56	K53	K40
JUL	19...	1100	50	5210	8.1	25.0	25.0	680	7.0	97	--	K23	140
DATE		HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 1994	27...	1500	1400	420	110	500	6	5.0	132	7	120	119	1200
JAN 1995	10...	2000	1800	520	170	1000	10	7.0	203	8	180	177	1500
MAR	31...	2100	2000	560	180	1200	11	1.7	207	0	170	148	1800
JUL	19...	1500	1400	400	130	640	7	8.5	129	0	106	96	1300
DATE		CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 1994	27...	840	0.60	14	3170	0.930	0.070	1.00	0.040	0.70	0.060	<0.010	3.2
JAN 1995	10...	1800	0.90	13	5130	1.75	0.050	1.80	0.320	0.80	0.380	0.040	2.9
MAR	31...	1800	0.90	13	5660	0.420	0.010	0.430	0.080	0.50	0.030	<0.010	6.6
JUL	19...	1000	0.60	14	3560	0.240	0.010	0.250	0.040	0.30	0.030	<0.010	4.0
DATE		ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
OCT 1994	27...	1	1	270	<1	<1.0	<1	<1	2	1	10	<1	<1
JAN 1995	10...	--	--	350	--	--	--	--	--	--	20	--	--
MAR	31...	--	--	430	--	--	--	--	--	--	<10	--	--
JUL	19...	2	1	320	<1	<1.0	<1	<5	1	1	<10	<1	<1

RIO GRANDE BASIN

08396500 PECOS RIVER NEAR ARTESIA, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	NITRO- GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N) (00633)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) (00611)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) (00626)	PHOS- PHORUS TOTAL IN BOT. MAT. (MG/KG AS P) (00668)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)
OCT 1994												
27...	--	--	1	1	<10	<10	2.0	2.1	20	130	3	<1
JAN 1995												
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
31...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
19...	<0.10	<0.1	1	1	<10	<10	--	--	--	--	--	--

DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
27...	5	<5	9	11000	<10	260	<0.01	50	171	48	50
JAN 1995											
10...	--	--	--	--	--	--	--	--	103	24	39
MAR											
31...	--	--	--	--	--	--	--	--	94	16	44
JUL											
19...	--	--	--	--	--	--	--	--	64	8.7	63

RIO GRANDE BASIN

08396500 PECOS RIVER NEAR ARTESIA, NM -- Continued

WATER-QUALITY RECORDS

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	CHLOR- PYRIFOS TOTAL (UG/L) (38932)	DI- SYSTON TOTAL (UG/L) (39011)	PHORATE TOTAL (UG/L) (39023)	PER- THANE TOTAL (UG/L) (39034)	DEF TOTAL (UG/L) (39040)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	ALDRIN, TOTAL (UG/L) (39330)	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)
OCT 1994											
27...	1300	--	--	--	--	--	--	--	--	--	--
JAN 1995											
10...	1200	--	--	--	--	--	--	--	--	--	--
MAR											
31...	0845	--	--	--	--	--	--	--	--	--	--
JUL											
19...	1100	<0.01	<0.01	<0.01	<0.1	<0.01	<0.10	<0.010	<0.010	<0.1	<0.010

DATE	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN, TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	TOX- APHENE, TOTAL (UG/L) (39400)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	PCB, TOTAL (UG/L) (39516)
OCT 1994											
27...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR											
31...	--	--	--	--	--	--	--	--	--	--	--
JUL											
19...	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<1	<0.010	<0.010	<0.01	<0.1

DATE	MALA- THION, TOTAL (UG/L) (39530)	PARA- THION, TOTAL (UG/L) (39540)	DI- AZINON, TOTAL (UG/L) (39570)	METHYL PARA- THION, TOTAL (UG/L) (39600)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	MIREX, TOTAL (UG/L) (39755)	SILVEX, TOTAL (UG/L) (39760)	TOTAL TRI- THION (UG/L) (39786)	2, 4-DP TOTAL (UG/L) (82183)	FONOFOS (DY- FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
OCT 1994											
27...	--	--	--	--	--	--	--	--	--	--	--
JAN 1995											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR											
31...	--	--	--	--	<0.01	<0.01	--	<0.01	--	<0.01	--
JUL											
19...	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01	--	<0.01

RIO GRANDE BASIN

08400000 FOURMILE DRAW NEAR LAKEWOOD, NM

LOCATION.--Lat 32°40'20", long 104°22'07", in SW¼NW¼SE¼ sec.10, T.19 S., R.26 E., Eddy County, Hydrologic Unit 13060011, in left side of channel 360 ft downstream from ford on Lakewood-Dayton road, 1.9 mi downstream from U.S. Highway 285, 2.8 mi north of Lakewood, 3.8 mi upstream from mouth, and 11.5 mi south of Artesia. Mouth at Pecos River mile 490.6.

DRAINAGE AREA.--265 mi², approximately.

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WDR NM-68-1: 1967.

GAGE.--Water-stage recorder. Elevation of gage is 3,299.14 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1951 to June 19, 1962, at site 1.8 mi upstream at datum 30.61 ft higher. June 19, 1962 to Oct. 12, 1966, at site 410 ft upstream at datum 6.08 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No surface diversions upstream from station. No flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	a.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	a.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

MEAN	1.85	.000	.000	.000	.000	.000	.001	.98	9.88	3.03	17.3	10.5
MAX	73.0	.003	.000	.000	.000	.000	.047	35.2	403	78.0	488	424
(WY)	1955	1959	1952	1952	1952	1952	1982	1979	1986	1968	1966	1974
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1952	1952	1952	1952	1952	1952	1952	1952	1953	1954	1952	1952

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1952 - 1995
ANNUAL TOTAL	108.20		
ANNUAL MEAN	.30		3.72
HIGHEST ANNUAL MEAN			41.6
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	74	May 11	13000
LOWEST DAILY MEAN	.00	Jan 1	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00
INSTANTANEOUS PEAK FLOW			a29300
INSTANTANEOUS PEAK STAGE			b19.90
ANNUAL RUNOFF (AC-FT)	215		2700
10 PERCENT EXCEEDS	.00	.00	.00
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00

a Estimated

a-From rating curve extended above 5,000 ft³/s, on basis of slope-area measurement of peak flow.

b-From floodmarks, present datum.

RIO GRANDE BASIN

08401200 SOUTH SEVEN RIVERS NEAR LAKEWOOD, NM

LOCATION.--Lat 32°35'19", long 104°25'17", in SE¼SE¼NW¼ sec.7, T.20 S., R.26 E., Eddy County, Hydrologic Unit 19060011, on downstream side of center pier of bridge on U.S. Highway 285, 0.4 mi south of Seven Rivers, 2.6 mi upstream from mouth, and 4.0 mi southwest of Lakewood. Mouth at Pecos River mile 480.9.

DRAINAGE AREA.--220 mi², approximately.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to July 8, 1965, at site 400 ft upstream at datum 0.52 ft higher.

REMARKS.--Records good. No surface diversions upstream from station, ground-water withdrawals for 240 acres, upstream from station. Several observations of water temperature were made during the year. No flow most of time.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1941, about 30,000 ft³/s, gage height, 22.8 ft, from old debris on left bank, former site and datum, from rating curve extended above 5,700 ft³/s on basis of slope-area measurement at gage height 21.8 ft. Probable date of flood, Oct. 7, 1954.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.94	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.4	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177.00	9.63	0.00	0.00
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	5.90	.31	.000	.000
MAX	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	.00	.00	.00	.00	351	19	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964	1964
MEAN	.95	.064	.000	.000	.000	.000	.005	2.99	10.1	1.89	18.0	12.4
MAX	15.9	2.05	.000	.000	.000	.000	.17	83.9	275	28.3	369	237
(WY)	1984	1984	1964	1964	1964	1964	1966	1965	1986	1968	1966	1974
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1964	1964	1964	1964	1964	1964	1964	1966	1964	1965	1964	1965

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1964 - 1995
ANNUAL TOTAL	272.40	186.63	
ANNUAL MEAN	.75	.51	3.87
HIGHEST ANNUAL MEAN			31.5
LOWEST ANNUAL MEAN			.000
HIGHEST DAILY MEAN	158 May 21	137 Jun 30	9300 Aug 23 1966
LOWEST DAILY MEAN	.00 Jan 1	.00 Oct 1	.00 Oct 1 1963
ANNUAL SEVEN-DAY MINIMUM	.00 Jan 1	.00 Oct 1	.00 Oct 1 1963
INSTANTANEOUS PEAK FLOW		698 Jun 30	a25500 May 30 1965
INSTANTANEOUS PEAK STAGE		7.65 Jun 30	b20.00 May 30 1965
INSTANTANEOUS LOW FLOW			.00 Oct 1 1963
ANNUAL RUNOFF (AC-FT)	540	370	2800
10 PERCENT EXCEEDS	.00	.00	.00
50 PERCENT EXCEEDS	.00	.00	.00
90 PERCENT EXCEEDS	.00	.00	.00
a-From rating curve extended above 5,700 ft ³ /s, on basis of slope-area measurements of gage heights 18.15 ft and 20.0 ft.			
b-From floodmarks, present site and datum.			

RIO GRANDE BASIN

08401450 BRANTLEY LAKE NEAR CARLSBAD, NM

LOCATION.--Lat 32°32'48", long 104°22'43", in NE¼SE¼NE¼ sec.28, T.20 S., R.26 E., Eddy County, Hydrologic Unit 13060011, in control tower at Brantley Dam, 2.4 mi downstream from South Seven Rivers, 4.2 mi southeast of Seven Rivers, 6.0 mi south of Lakewood, 11.5 mi northwest of Carlsbad, and at mile 478.6.

DRAINAGE AREA.--17,650 mi², approximately (contributing area).

PERIOD OF RECORD.--August 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,202.5 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation).

REMARKS.--Lake is formed by a concrete and earthfill dam on Pecos River. Storage began August 31, 1988. Capacity, 1,008,000 acre-ft, from capacity table dated June 1992, between elevations 3,202.5 ft and 3,303.5 ft. Dead storage 2,010 acre-ft. Lake was created primarily for irrigation storage and flood control.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 49,270 acre-ft, Sept. 22-24, 1991, elevation, 3,257.60 ft; minimum contents, 2,040 acre-ft, May 26, 1990, elevation, 3,224.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 43,830 acre-ft, July 6, elevation, 3,253.92 ft; minimum, 11,230 acre-ft, Aug. 19, elevation, 3,238.60 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 07:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24330	14760	18490	22330	26040	31380	37070	25530	14370	37070	21400	21660
2	24090	14940	18570	22420	26230	32540	36620	25490	14790	39040	20930	22270
3	23800	15050	18690	22580	26460	33480	36410	25240	15200	41070	20450	23110
4	22790	15230	18790	22640	26640	35020	36070	24950	15620	42470	19880	24020
5	21430	15370	18880	22730	26900	36670	35880	24620	16520	43800	19310	25070
6	20420	15490	19970	22890	27140	38180	35670	24330	17250	43830	18790	26100
7	20420	15640	19090	22990	27330	39740	35330	24020	17710	43590	18300	26900
8	20650	15760	19170	23130	27490	40560	35050	23640	18350	43120	17690	27460
9	21120	15970	19310	23240	27730	41330	34670	23480	19140	42470	17070	28400
10	21750	16030	19400	23400	27950	41790	34410	23480	19790	41940	16350	30090
11	22020	16120	19510	23480	28220	42200	34030	23280	20380	41330	15640	32200
12	22000	16240	19740	23640	28240	42550	33630	23090	20910	39620	15150	34510
13	21660	16340	19900	23640	28530	42820	33130	22870	21470	38270	14550	36650
14	21210	16430	20070	23840	28710	42700	32350	22270	21890	36890	13920	37750
15	20690	16510	20240	23940	28890	42820	31810	22270	22400	35720	13300	38350
16	20290	16600	20360	24040	29100	42970	31240	21490	22810	34510	12690	38760
17	19910	16770	20510	24130	28890	43090	30960	20760	23210	33350	12110	39200
18	19370	16920	20640	24190	29120	43170	30230	20000	23920	32180	11740	39460
19	18540	17090	20780	24290	29050	43260	29560	19230	24680	30790	11230	39760
20	17970	17270	20910	24410	28940	43290	28870	18520	25660	29420	11530	39880
21	17440	17360	21040	24490	29120	43380	28200	18040	26460	28330	12370	40160
22	16880	17480	21120	24570	29280	43200	27750	17380	27310	27310	13280	40100
23	16280	17560	21250	24660	29190	42730	27400	16840	27820	26340	14440	40190
24	15640	17610	21360	24700	29530	41970	27070	16090	28530	25240	15360	40390
25	15250	17800	21430	24700	29650	41220	26960	15360	29260	24190	16380	40330
26	14850	17950	21550	24920	24380	40610	26870	14820	29970	23760	17400	40160
27	14790	18070	21700	25070	30060	40240	26400	14410	31070	23340	18350	39990
28	14790	18200	21850	25130	30510	39480	25970	14040	32200	22890	19100	39990
29	15010	18300	22000	25300	---	38790	25630	13850	33330	22480	19860	40130
30	14650	18370	22130	25530	---	38210	25530	13650	35150	22190	20400	40160
31	14620	---	22230	25820	---	37530	---	13960	---	21790	21020	---
MAX	24330	18370	22230	25820	30510	43380	37070	25530	35150	43830	21400	40390
MIN	14620	14760	18490	22330	24380	31380	25530	13650	14370	21790	11230	21660
(†)	3240.93	3243.35	3245.49	3247.27	3249.37	3252.16	3247.13	3240.45	3251.26	3245.26	3244.85	3253.11
(††)	-10330	+3750	+3860	+3590	+4690	+7020	-12000	-11570	+21190	-13360	-770	+19140
CAL YR 1994	MAX 42500	MIN 11590	(††) -2720									
WTR YR 1995	MAX 43830	MIN 11230	(††) +15210									

(†) ELEVATION, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET

RIO GRANDE BASIN

08401500 PECOS RIVER BELOW BRANTLEY DAM NEAR CARLSBAD, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1962, 1978-79, 1981 to current year.

REMARKS.--This station prior to Brantley Dam was called Pecos River below Major Johnson Springs near Carlsbad, NM.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 1994									
10...	1415	18	4140	8.1	--	14.0	679	10.6	117
JAN 1995									
10...	1600	10	5840	8.3	20.0	15.0	679	10.2	116
FEB									
07...	1030	0.49	6230	7.8	10.5	8.5	685	9.3	91
MAR									
31...	1120	296	4300	8.0	13.5	14.0	690	9.2	100
JUL									
20...	1245	797	1700	7.9	35.5	28.0	681	8.6	124

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)
NOV 1994								
10...	--	1300	360	100	410	5	4.1	109
JAN 1995								
10...	46	--	--	--	--	--	--	--
FEB								
07...	52	1800	470	160	740	8	6.1	145
MAR								
31...	32	1500	430	110	470	5	5.0	110
JUL								
20...	18	680	210	38	110	2	3.4	86

DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV 1994								
10...	1100	720	0.60	13	2770	--	230	<10
JAN 1995								
10...	--	--	--	--	--	4.6	--	--
FEB								
07...	1500	1300	0.80	11	4280	5.0	350	20
MAR								
31...	1300	750	0.70	8.3	3140	3.8	210	<10
JUL								
20...	580	160	<0.10	8.8	1160	3.8	100	<3

RIO GRANDE BASIN

08403500 CARLSBAD MAIN CANAL AT HEAD, NEAR CARLSBAD, NM

LOCATION.--Lat 32°29'25", long 104°15'08", in NW¼SW¼ sec.12, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on right bank 220 ft downstream from headgates in Avalon Dam, and 3.3 mi north of Carlsbad. Pecos River mile 467.2.

PERIOD OF RECORD.--July 1939 to current year (monthly discharge only, July 1939 to September 1965). January 1941 to March 1951 published in WSP 1732.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 3,156.50 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation). Prior to March 1951, at site 20 ft upstream at datum 0.9 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Carlsbad Main Canal diverts water from Lake Avalon (station 08403800) for irrigation of about 25,000 acres in the Carlsbad Irrigation District. About 1,600 acres are irrigated on the left bank, most of it upstream from gaging station 08405200. The remaining acreage (most of which is downstream from station 08405200) is on the right bank. Several observations of water temperature were made during the year. No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	80	.81	e.00	.00	.00	268	104	63	57	311	288
2	179	75	.55	e.00	.00	.00	194	130	29	49	301	202
3	238	66	.73	e.00	.00	.00	170	129	47	52	333	160
4	281	46	.59	.00	.00	.00	183	114	61	83	315	174
5	257	34	.44	.00	.00	.00	190	120	140	162	276	235
6	212	27	.24	.00	.00	58	184	127	234	207	268	324
7	176	21	.19	.00	.00	99	185	105	206	247	322	344
8	128	18	.03	.00	.00	70	174	128	223	249	355	261
9	98	16	.37	.00	.00	58	155	116	286	248	365	178
10	73	13	.04	.00	.00	57	237	124	330	331	360	121
11	79	12	.00	.00	.00	49	270	114	330	326	301	75
12	102	12	.00	.00	.00	30	302	145	353	352	313	61
13	134	12	.00	.00	.00	.00	320	234	382	376	323	55
14	99	12	.15	.00	.00	.00	308	219	384	385	357	50
15	68	11	e.00	.00	.00	.00	236	247	385	382	360	.27
16	57	9.6	e.00	.00	.00	.00	190	345	345	341	321	.00
17	96	9.0	e.00	.00	.00	.00	308	367	337	283	262	.00
18	132	9.4	e.00	.00	.00	.00	346	373	326	369	226	.00
19	102	7.9	e.00	.00	.00	.00	324	368	320	375	201	.00
20	87	4.9	e.00	.00	.00	61	310	326	354	371	172	42
21	75	4.7	e.00	.00	.00	231	293	309	377	372	185	73
22	85	4.0	e.00	.00	.00	309	241	339	381	365	190	59
23	110	4.2	e.00	.00	.00	319	169	369	383	319	183	52
24	187	3.8	e.00	.00	.00	330	154	368	381	260	171	56
25	214	3.3	e.00	.00	.00	324	180	356	363	250	199	98
26	285	2.3	e.00	.00	.00	321	236	303	347	311	254	92
27	252	2.4	e.00	.00	.00	353	230	181	258	262	252	81
28	237	1.8	e.00	.00	.00	361	176	141	222	225	291	93
29	181	1.4	e.00	.00	---	351	86	101	192	206	295	110
30	159	.98	e.00	.00	---	317	79	88	100	207	318	97
31	90	---	e.00	.00	---	294	---	79	---	321	309	---
TOTAL	4655	524.68	4.14	0.00	0.00	3992.00	6698	6569	8139	8343	8689	3381.27
MEAN	150	17.5	.13	.000	.000	129	223	212	271	269	280	113
MAX	285	80	.81	.00	.00	361	346	373	385	385	365	344
MIN	57	.98	.00	.00	.00	.00	79	79	29	49	171	.00
AC-FT	9230	1040	8.2	.00	.00	7920	13290	13030	16140	16550	17230	6710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

	MEAN	79.9	3.99	7.65	11.9	23.6	74.4	246	129	158	200	205	141
MAX	212	112	172	120	208	227	386	222	297	391	463	298	
(WY)	1980	1955	1947	1956	1950	1940	1943	1973	1942	1940	1943	1939	
MIN	.000	.000	.000	.000	.000	.000	167	6.58	.000	.000	2.81	.000	
(WY)	1953	1942	1941	1942	1941	1948	1967	1953	1953	1976	1981	1964	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1939 - 1995

ANNUAL TOTAL	52971.82	50995.09	
ANNUAL MEAN	145	140	106
HIGHEST ANNUAL MEAN			174
LOWEST ANNUAL MEAN			51.8
HIGHEST DAILY MEAN	375	Mar 24	526
LOWEST DAILY MEAN	.00	Jan 1	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00
ANNUAL RUNOFF (AC-FT)	105100	101100	76640
10 PERCENT EXCEEDS	322	345	294
50 PERCENT EXCEEDS	148	100	67
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-Also occurred Sept. 16, 1946.

RIO GRANDE BASIN

08403800 LAKE AVALON NEAR CARLSBAD, NM

LOCATION.--Lat 32°29'27", long 104°15'05", in NW¼SW¼ sec.12, T.21 S., R.26 E., Eddy County, Hydrologic Unit 13060011, on headwall at outlet gate of dam on Pecos River, 3.3 mi north of Carlsbad, and at mile 467.2.

DRAINAGE AREA.--18,070 mi², approximately (contributing area).

PERIOD OF RECORD.--January 1939 to September 1965 (monthend gage heights and contents), October 1965 to current year. Monthend gage heights January 1919 to December 1938 in files of Pecos River Commission.

REVISED RECORDS.--WSP 898: 1939.

GAGE.--Nonrecording gage. Elevation of gage is 3,157.0 ft above National Geodetic Vertical Datum of 1929 (levels by Bureau of Reclamation).

REMARKS.--Lake is formed by Avalon Dam, an earthfill structure. The original Eddy (Avalon) Dam was completed and storage began in 1891. The dam was destroyed by the flood of Aug. 3, 1893; repaired immediately. The dam was destroyed again Oct. 2, 1904; construction of present dam commenced on June 1, 1906, and was 88 percent complete June 30, 1907. Capacity, 4,330 acre-ft, from capacity table put into use January 1, 1982, between gage heights 0.0 (sill of outlet gates) and 20.4 ft, crest of spillway no. 2. No dead storage. No storage allocated to flood control. Figures given herein represent usable contents. Water is used by Carlsbad Irrigation District.

COOPERATION.--Records provided by Carlsbad Irrigation District.

EXTREMES FOR PERIOD OF RECORD (SINCE 1938).--Maximum contents, 11,000 acre-ft, May 22, 1941, gage height, 25.0 ft; no storage at times when natural flow is passing through reservoir.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 2,560 acre-ft, Mar. 3-6, elevation, 3,175.3 ft; no storage Nov. 4 to Feb. 16.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	1030	.00	.00	.00	2180	1090	1090	1410	1600	1340	1030
2	1680	139	.00	.00	.00	2330	1150	919	1150	1600	1210	1090
3	1540	30	.00	.00	.00	2560	1150	864	1090	1410	1030	1210
4	975	.00	.00	.00	.00	2560	1150	975	1030	1280	975	1340
5	1470	.00	.00	.00	.00	2560	1150	1090	975	1150	975	1540
6	1750	.00	.00	.00	.00	2560	1150	1150	919	1030	975	1210
7	1750	.00	.00	.00	.00	2330	1150	1280	975	1150	975	1030
8	1820	.00	.00	.00	.00	2100	1150	1410	1090	1470	919	1280
9	1960	.00	.00	.00	.00	2030	1150	1410	1090	1890	864	1470
10	1960	.00	.00	.00	.00	1890	1150	1210	1030	1770	919	1610
11	1890	.00	.00	.00	.00	1750	975	1150	975	1770	919	1820
12	1820	.00	.00	.00	.00	1610	975	1030	1030	1610	864	1680
13	1820	.00	.00	.00	.00	1610	919	1030	975	1750	864	1540
14	1760	.00	.00	.00	.00	1890	919	919	975	1820	975	1340
15	1820	.00	.00	.00	.00	1890	1090	1090	975	1750	975	1410
16	1890	.00	.00	.00	.00	1890	1210	1030	1030	1680	975	1410
17	1680	.00	.00	.00	391	1890	1150	975	1150	1680	919	1470
18	1610	.00	.00	.00	362	1890	1090	975	1150	1750	975	1470
19	1890	.00	.00	.00	532	1960	1090	975	1090	1750	1090	1470
20	1960	.00	.00	.00	811	1960	1210	975	1030	1820	1150	1540
21	1960	.00	.00	.00	811	1680	1280	975	919	1890	1340	1340
22	1960	.00	.00	.00	1030	1210	1280	975	864	1890	1340	1210
23	1890	.00	.00	.00	1210	1030	1280	1030	975	1750	1280	1090
24	1750	.00	.00	.00	1280	975	1280	975	1030	1610	1280	975
25	1210	.00	.00	.00	1410	1030	1210	1150	1090	1750	1210	975
26	1610	.00	.00	.00	1750	1090	975	1150	1210	1750	975	1030
27	1540	.00	.00	.00	1820	1090	919	1280	1210	1610	811	1280
28	1280	.00	.00	.00	2030	975	975	1410	1280	1680	710	1340
29	156	.00	.00	.00	---	978	975	1540	1210	1610	710	1280
30	616	.00	.00	.00	---	975	1030	1700	1680	1540	760	1210
31	1280	---	.00	.00	---	1090	---	1470	---	1470	864	---
MAX	1960	1030	.00	.00	2030	2560	1280	1700	1680	1890	1340	1820
MIN	156	.00	.00	.00	.00	975	919	864	864	1030	710	975
(†)	3173.5	---	---	---	3174.6	3173.2	3173.1	3173.8	3174.1	3173.8	3172.8	3173.4
(††)	+70	-1280	---	---	+2030	-940	-60	+440	+210	-210	-606	+346

CAL YR 1994 MAX 2030 MIN .00 (††) -1280

WTR YR 1995 MAX 2560 MIN .00 (††) 0

(†) ELEVATION, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET.

a-From rating curve extended above 36,000 ft³/s, on basis of slope-area measurement of peak flow.
b-From floodmarks.

RIO GRANDE BASIN

08406500 PECOS RIVER NEAR MALAGA, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1937 to current year.

WATER QUALITY DATA. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
NOV 14...	1045	110	5380	8.0	--	14.5	691	8.8	97	1700	430	160
JAN 11...	1100	77	6230	8.2	16.0	10.0	685	9.4	95	1900	470	170
FEB 06...	1100	90	5800	7.9	14.0	9.0	689	10.1	99	2000	520	180
MAR 31...	1330	45	6520	7.9	20.5	13.0	690	8.9	96	2200	510	220
JUL 17...	1200	329	3160	8.1	27.0	24.0	691	7.6	101	1000	270	86
AUG 07...	1415	52	4680	8.1	36.5	31.0	688	8.2	125	--	--	--

[illegible]

08407000 PECOS RIVER AT PIERCE CANYON CROSSING, NEAR MALAGA, NM -- Continued

WATER-QUALITY RECORDS

LOCATION.--Samples collected 0.2 mi downstream from streamflow gaging station.

PERIOD OF RECORD.--Water years 1938-41, 1952 to current year.

REMARKS.--No significant inflow between streamflow gaging station and sampling cross-section.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
NOV 14...	1330	98	6920	8.2	--	16.0	691	9.6	110	1800	450	160
JAN 11...	1330	75	8200	8.3	24.0	11.5	683	10.1	107	2100	520	200
FEB 06...	1215	88	7200	8.0	20.5	14.5	689	10.5	117	1900	470	180
MAR 31...	1420	46	11200	8.0	19.0	14.0	690	10.0	112	2200	500	230
JUL 18...	1100	323	3240	8.1	28.5	23.5	689	7.4	98	1100	310	86
AUG 07...	1315	56	7450	8.0	36.5	31.0	689	7.4	113	--	--	--

[illegible]

RIO GRANDE BASIN

08407500 PECOS RIVER AT RED BLUFF, NM

LOCATION.--Lat 32°04'30", long 104°02'21", in SW1/4 sec.1, T.26 S., R.28 E., Eddy County, Hydrologic Unit 13060011, on right bank at Red Bluff, 0.2 mi downstream from Red Bluff Draw, 1.6 mi northwest of the El Paso Natural Gas (Pecos River) compressor station, 5.2 mi north of the New Mexico-Texas State line, 5.5 mi upstream from Delaware River, and at mile 411.2.

DRAINAGE AREA.--19,540 mi², approximately (contributing area).

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,850.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge records good. Flow regulated by many reservoirs and diversion dams. Diversions and ground-water withdrawals upstream from station for irrigation of about 202,000 acres, 1959 determination. Several observations of water temperature were made during the year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1904 reached a stage of 28.0 ft, from information by Panhandle and Santa Fe Railway Co. (For dates of other historical floods see stations 08404000, 08406500.)

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	96	77	77	98	79	50	38	59	219	63	56
2	57	104	77	77	98	79	57	36	75	188	63	67
3	57	126	78	76	97	80	53	34	68	102	65	72
4	55	176	78	76	94	81	49	32	56	61	60	69
5	72	162	78	77	88	82	45	45	46	50	54	56
6	330	140	78	78	93	83	41	45	41	48	52	55
7	401	119	78	78	92	83	41	41	38	45	57	44
8	402	111	78	81	91	82	38	36	35	42	55	173
9	413	105	76	77	88	89	37	32	32	43	50	126
10	411	100	76	80	74	95	36	31	34	64	48	121
11	409	100	75	78	72	81	32	40	41	50	48	102
12	407	98	75	77	86	82	31	38	40	91	49	127
13	407	99	76	75	89	80	30	35	41	298	52	133
14	407	101	77	73	91	83	32	34	41	333	50	82
15	407	102	78	79	91	77	34	35	37	330	54	110
16	413	94	77	153	93	75	36	46	32	346	51	125
17	415	92	76	165	89	78	36	36	31	363	46	127
18	417	91	75	162	86	82	35	35	32	366	55	95
19	416	90	77	145	83	84	37	38	35	357	54	73
20	414	87	77	126	84	90	36	45	36	351	54	66
21	420	89	77	111	84	89	33	45	42	355	53	63
22	432	87	76	106	82	87	31	42	35	366	53	61
23	430	80	76	103	77	120	33	45	35	372	52	77
24	425	84	77	99	81	98	39	34	41	359	51	83
25	422	88	79	98	82	60	37	43	44	362	55	79
26	406	90	80	99	82	43	32	77	48	360	58	75
27	232	85	79	99	83	36	31	113	47	251	51	66
28	129	84	78	98	81	32	34	103	54	123	57	68
29	101	81	78	98	---	34	36	75	60	73	63	74
30	94	77	79	101	---	32	37	74	279	62	59	63
31	89	---	78	99	---	32	---	66	---	61	54	---
TOTAL	9542	3038	2394	3021	2429	2308	1129	1469	1535	6491	1686	2588
MEAN	308	101	77.2	97.5	86.7	74.5	37.6	47.4	51.2	209	54.4	86.3
MAX	432	176	80	165	98	120	57	113	279	372	65	173
MIN	52	77	75	73	72	32	30	31	31	42	46	44
AC-FT	18930	6030	4750	5990	4820	4580	2240	2910	3040	12870	3340	5130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

	MEAN	278	150	127	114	98.7	70.8	58.7	225	185	113	161	292
MAX	5255	1382	813	703	534	295	681	6954	3181	1273	4210	6521	
(WY)	1942	1942	1942	1942	1942	1942	1942	1941	1941	1941	1966	1941	
MIN	10.0	6.71	8.57	10.7	13.7	7.76	6.38	7.90	4.30	2.55	5.08	5.77	
(WY)	1965	1978	1978	1965	1965	1978	1978	1971	1990	1966	1964	1977	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1938 - 1995
ANNUAL TOTAL	33407	37630	
ANNUAL MEAN	91.5	103	156
HIGHEST ANNUAL MEAN			1655
LOWEST ANNUAL MEAN			19.2
HIGHEST DAILY MEAN	526	Jul 21	50700
LOWEST DAILY MEAN	32	Jul 10	.22
ANNUAL SEVEN-DAY MINIMUM	38	Aug 9	.33
INSTANTANEOUS PEAK FLOW		501	Jun 30
INSTANTANEOUS PEAK STAGE		5.72	Jun 30
INSTANTANEOUS LOW FLOW		30	Jun 17
ANNUAL RUNOFF (AC-FT)	66260	74640	113200
10 PERCENT EXCEEDS	140	262	208
50 PERCENT EXCEEDS	60	77	56
90 PERCENT EXCEEDS	42	36	14

a-From rating curve extended above 32,000 ft³/s, on basis of slope-area measurement of peak flow.

RIO GRANDE BASIN

08408500 DELAWARE RIVER NEAR RED BLUFF, NM

LOCATION.--Lat 32°01'23", long 104°03'15", in NEKSWASEK sec.23, T.26 S., R.28 E., Eddy County, Hydrologic Unit 13070002, near center of channel on downstream side of pier of bridge on U.S. Highway 285, 2.1 mi north of the New Mexico-Texas State line, 3.6 mi southwest of Red Bluff, 3.7 mi upstream from mouth and 14 mi south of Malaga. Mouth at Pecos River mile 405.6.

DRAINAGE AREA.--689 mi².

PERIOD OF RECORD.--April 1912 to September 1913, May 1914 to June 1915, October 1937 to current year. Published as "near Malaga" 1912-13, and as "near Angeles, Tex." 1914-15.

GAGE.--Water-stage recorder. Elevation of gage is 2,900.66 ft above National Geodetic Vertical Datum of 1929 (U.S. Boundary Commission post). Prior to May 1914, at site 3.0 mi upstream at different datum. May 1914 to June 1915, at site 2.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small upstream diversion. Several observations of water temperature were made during the year. No flow for many days most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.75	1.4	2.0	2.0	1.9	2.0	1.8	.17	22	.00	.00
2	.00	.72	1.5	2.0	2.0	1.9	2.0	1.8	.18	7.7	.00	.00
3	.00	.66	1.5	2.0	2.0	2.0	1.8	1.6	.09	2.8	.00	.00
4	.00	.76	1.6	2.0	1.9	2.0	2.0	1.5	.02	1.4	.00	.00
5	.00	.87	1.6	2.1	2.0	1.9	2.1	1.6	.00	.68	.00	.00
6	.00	.83	1.6	2.1	2.0	1.9	2.0	4.3	.00	.26	.00	.00
7	.00	.89	1.6	1.9	2.0	1.8	1.9	2.8	.00	.05	.00	.00
8	.00	.86	1.6	1.9	2.0	1.8	1.8	1.5	.00	.00	.00	e49
9	.00	.76	1.6	1.8	2.0	1.8	1.7	1.2	.00	.00	.00	e1.7
10	.00	.75	1.7	1.8	2.0	1.8	1.5	1.0	.00	.00	.00	e.81
11	.00	.83	1.7	1.8	2.0	1.8	1.6	.95	.00	.00	.00	e110
12	.00	.86	1.7	1.8	2.0	1.9	1.6	.87	.00	.00	.00	e17
13	.00	.97	1.8	1.8	2.0	1.8	1.7	.78	.00	.00	.00	e9.6
14	.00	.98	1.8	1.8	2.0	1.8	1.7	.69	.00	.00	43	e5.2
15	.00	.98	1.8	1.9	2.0	1.8	1.7	.72	.00	.00	17	e2.5
16	.00	.98	1.8	2.0	2.2	1.8	1.7	.69	.00	.00	23	e8.3
17	.00	1.0	1.8	1.9	2.1	1.9	1.7	.74	.00	.00	16	e6.0
18	.00	1.1	1.8	2.0	2.1	1.9	1.6	.66	.00	.00	12	e2.2
19	.00	1.1	1.9	1.9	1.9	1.9	1.6	.69	.00	.00	7.4	e1.3
20	.00	1.1	1.9	2.0	1.9	1.8	1.6	.57	.00	.00	2.9	e13
21	.00	1.1	1.9	2.0	1.9	1.8	1.7	.39	.59	.00	1.1	e3.0
22	.00	1.1	1.9	2.0	1.9	1.8	1.6	.16	1.6	.00	.37	e3.1
23	.00	1.2	1.9	1.9	1.9	1.8	1.7	.00	1.0	.00	.12	e3.3
24	.00	1.3	2.1	2.0	1.9	1.7	1.9	.00	.16	.00	.02	e1.7
25	.19	1.3	2.1	2.0	1.9	1.6	2.1	.00	9.6	.00	.00	e.85
26	.36	1.3	2.0	2.2	1.9	1.6	2.1	1.2	5.8	.00	.00	e.78
27	.55	1.2	2.0	2.1	1.9	1.6	2.1	.87	1.9	.00	.00	e.92
28	.73	1.2	2.0	2.0	1.8	1.6	2.1	.31	.79	.00	.00	e1.1
29	.74	1.3	2.0	2.0	---	1.7	2.0	.21	9.7	.00	.00	e1.3
30	.73	1.3	2.0	2.0	---	1.7	1.8	.21	62	.00	.00	e1.4
31	.71	---	2.0	2.0	---	1.8	---	.16	---	.00	.00	---
TOTAL	4.01	30.05	55.6	60.7	55.2	55.9	54.4	29.97	93.60	34.89	122.91	244.06
MEAN	.13	1.00	1.79	1.96	1.97	1.80	1.81	.97	3.12	1.13	3.96	8.14
MAX	.74	1.3	2.1	2.2	2.2	2.0	2.1	4.3	62	22	43	110
MIN	.00	.66	1.4	1.8	1.8	1.6	1.5	.00	.00	.00	.00	.00
AC-FT	8.0	60	110	120	109	111	108	59	186	69	244	484

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 1993, BY WATER YEAR (WY)

MEAN	29.9	3.55	3.26	3.36	3.15	2.79	5.84	9.79	18.6	14.3	22.3	22.5
MAX	748	18.9	7.99	8.57	8.77	9.44	135	233	281	166	326	303
(WY)	1956	1979	1987	1987	1987	1987	1954	1941	1938	1952	1966	1978
MIN	.000	.030	.17	.41	.12	.42	.23	.003	.000	.000	.000	.000
(WY)	1952	1965	1966	1965	1966	1993	1968	1950	1950	1947	1983	1953

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1938 - 1995

ANNUAL TOTAL	633.88	841.29	
ANNUAL MEAN	1.74	2.30	11.7
HIGHEST ANNUAL MEAN			66.1
LOWEST ANNUAL MEAN			1.78
HIGHEST DAILY MEAN	61	May 22	110
LOWEST DAILY MEAN	.00	Jun 24	.00
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 24	.00
INSTANTANEOUS PEAK FLOW			512
INSTANTANEOUS PEAK STAGE			5.49
INSTANTANEOUS LOW FLOW			.00
ANNUAL RUNOFF (AC-FT)	1260	1670	8440
10 PERCENT EXCEEDS	2.4	2.1	7.0
50 PERCENT EXCEEDS	1.3	1.6	2.3
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 6,500 ft³/s, on basis of slope-area measurements at gage heights, 12.84 ft, 17.55 ft, and 27.0 ft.

b-From floodmarks.

RIO GRANDE BASIN

08410000 RED BLUFF RESERVOIR NEAR ORLA, TX

LOCATION.--Lat 31°54'04", long 103°54'35", Reeves County, Hydrologic Unit 13070001, at right end of Red Bluff Dam on the Pecos River, 2.8 mi upstream from Salt Creek, and 5.2 mi north of Orla.

DRAINAGE AREA.--20,720 mi², approximately (contributing area).

PERIOD OF RECORD.--February 1937 to current year. Monthly contents only for some periods, published in WSP 1312.

GAGE.--Nonrecording gage. Datum of gage is 0.43 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Reservoir is formed by a rock-faced earthfill dam 9,200 ft long. The dam was completed and storage began in September 1936. The dam and reservoir are owned and operated by the Red Bluff Water Power Control District. The water is used for power development and for irrigation from Mentone to Grandfalls. The uncontrolled emergency spillway, 790 ft wide, is a cut through natural ground located to the right of right end of dam. The controlled service spillway is equipped with 12 tainter gates that are 25 by 15 ft high. Inflow is regulated by many reservoirs and diversion dams. The capacity curve is based on Geological Survey topographic map and aerial photography, survey of 1986. Figures given herein represent total contents. Data regarding the dam and reservoir are given in the following table:

	Gage height (feet)	Capacity (acre-feet)
Top of dam	2,856.0	---
Crest of emergency spillway	2,845.0	324,000
Top of gates (top of conservation pool)	2,842.0	289,700
Crest of service spillway and bottom of tainter gates	2,827.0	155,700
Lowest gated outlet (invert)	2,764.0	2,800

COOPERATION.--Gage-height records and capacity curve were furnished by Red Bluff Water Power and Control District.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 352,000 acre-ft, Sept. 27, 28, 1941, gage height, 2,846.2 ft, observed on nonrecording gage at service spillway (affected by variable drawdown due to flow through tainter gates); minimum observed, 11,080 acre-ft, May 13, 1948, gage height, 2,781.4 ft.

EXTREMES (AT 0800) FOR CURRENT YEAR.--Maximum contents observed, 90,380 acre-ft, Apr. 3, gage height, 2,815.69 ft; minimum observed, 56,120 acre-ft, Sept. 7, gage height, 2,807.14 ft.

Capacity table (gage height, in feet, and total contents, in acre-feet)

2,806.0	52,460	2,812.0	74,090	2,820.0	112,200
2,808.0	59,000	2,814.0	82,630	2,822.0	123,600
2,810.0	66,220	2,816.0	91,830	2,818.0	101,700

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 08:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63450	76430	78800	81720	85520	88360	90280	80800	73810	68220	65850	57430
2	63340	76430	78890	81850	85660	88460	90330	80760	73610	68530	65290	57230
3	63230	76430	78970	81930	85790	88550	90380	80710	73410	68840	64740	56990
4	63120	76520	79060	82020	85930	88640	89670	80450	73210	68840	64190	56760
5	63190	76600	79150	82110	86110	88740	88830	80190	73010	68840	63640	56520
6	63750	76770	79230	82190	86240	88830	88080	79930	72090	68840	63080	56320
7	64300	76940	79320	82280	86330	88930	87240	79670	72760	68760	62600	56120
8	64850	77100	79410	82370	86420	89020	86420	79410	72560	68680	62180	56250
9	65400	77150	79490	82450	86510	89110	85610	79150	72320	68570	61890	56490
10	65960	77190	79580	82540	86600	89200	84800	78890	72000	68450	61650	56830
11	66520	77230	79670	82630	86690	89300	84070	78620	71720	68340	61400	57160
12	67100	77270	79760	82720	86780	89390	83440	78360	71440	68030	61120	57330
13	67680	77310	79840	82810	86870	89490	82810	78070	71120	67680	60840	57330
14	68260	77360	79930	82900	86960	89580	82630	77770	70710	67450	60550	57330
15	68840	77440	80020	82990	87050	89670	82630	77480	70390	67290	60340	57830
16	69420	77520	80100	83080	87150	89720	82500	77190	69950	67370	60130	58340
17	69990	77610	80190	83170	87230	89770	82540	76850	69530	67370	60030	58600
18	71030	77690	80280	83350	87330	89810	82500	76310	69140	67370	59920	58840
19	71640	77770	80360	83530	87430	89860	82450	75970	68910	67450	59820	59010
20	72240	77060	80450	83710	87520	89910	82410	75720	68600	67530	59710	59150
21	72800	77940	80540	83890	87610	89960	82370	75470	68300	67600	59610	59220
22	73290	78020	80630	84070	87710	90000	82240	75220	68030	67680	59500	59290
23	73770	78110	80710	84250	87800	90050	82020	74970	67760	67640	59390	59360
24	74260	78190	80800	84440	87890	90100	81800	74720	67490	67600	59290	59430
25	74760	78280	80890	84570	87990	90140	81580	74470	67220	67570	59080	59500
26	75350	78360	80970	84700	88080	90190	81370	74170	67100	67530	58870	59570
27	76100	78450	81060	84840	88180	90240	81150	73930	66990	67370	58600	59640
28	76270	78540	81190	84980	88270	90240	80930	73810	67060	67060	58340	59710
29	76310	78620	81320	85110	---	90280	80890	73890	66990	66750	58070	59820
30	76350	78710	81450	85250	---	90280	80840	74010	67760	66450	57830	59960
31	76390	---	81580	85380	---	90330	---	74010	---	66140	57600	---
MAX	76390	78710	81580	85380	88270	90330	90380	80800	73810	68840	65850	59960
MIN	63120	76430	78800	81720	85520	88360	80840	73810	66990	66140	57600	56120
(†)	2812.55	2813.10	2813.76	2814.61	2815.24	2815.68	2813.59	2811.98	2810.40	2809.98	2807.59	2808.27
(††)	+12830	+2320	+2870	+3800	+2890	+2060	-9490	-6830	-6250	-1620	-8540	+2360

CAL YR 1994 MAX 109600 MIN 63120 (††)

WTR YR 1995 MAX 90380 MIN 56120 (††)

(†) GAGE HEIGHT, IN FEET, AT END OF MONTH.

(††) CHANGE IN CONTENTS, IN ACRE-FEET.

RIO GRANDE BASIN

08412500 PECOS RIVER NEAR ORLA, TX

LOCATION.--Lat 31°52'21", long 103°49'52", Reeves County, Hydrologic Unit 1300001, on right bank at bridge on Farm Road 632, 5.5 mi downstream from Salt Creek (Screw Bean Arroyo), 5.9 mi northeast of Orla, and 8.5 mi downstream from Red Bluff Reservoir.

DRAINAGE AREA.--21,210 mi² approximately (contributing area).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1937 to current year.

REVISED RECORDS.--WSP 928: 1937.

GAGE.--Water-stage recorder. Datum of gage is 2,730.86 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 16, 1969, at site 6.9 mi downstream at datum 12.81 ft lower.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. Most of flow is releases from storage in Red Bluff Reservoir (station 08410000) 8.5 mi upstream. Occasional runoff occurs from draws between dam and station. There are many diversions above Red Bluff Reservoir for irrigation.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	e51	e8.6	11	10	8.0	8.5	6.0	116	44	212	137
2	80	e51	e8.5	10	10	8.6	8.6	6.0	116	21	199	136
3	79	e51	e8.5	10	10	9.1	115	71	116	16	199	136
4	64	e51	e8.6	10	10	9.4	318	124	103	14	197	136
5	4.2	e51	e8.8	10	10	9.3	323	116	61	13	197	135
6	6.0	e51	e8.6	11	10	9.2	329	116	59	12	184	135
7	8.2	e51	e8.6	11	9.9	8.5	330	116	63	12	157	134
8	8.4	e51	e8.6	11	9.6	8.6	331	115	114	57	157	173
9	8.4	e51	e8.7	11	10	8.5	332	116	115	58	149	25
10	8.2	e51	8.6	11	10	8.6	330	116	115	57	121	20
11	21	e51	8.9	11	9.8	8.8	331	116	115	76	134	24
12	96	e51	9.2	11	9.8	8.7	331	116	118	178	136	21
13	98	e51	9.2	11	10	8.1	232	116	160	206	136	96
14	94	e51	9.2	11	11	8.2	16	116	161	259	131	98
15	16	e51	9.2	10	11	10	13	126	162	223	118	79
16	9.4	e23	9.2	11	11	10	12	172	157	229	117	33
17	8.6	e11	9.2	11	10	10	11	205	118	224	99	22
18	9.5	e9.5	9.2	11	11	10	9.6	160	116	224	98	23
19	8.7	e9.0	9.2	11	11	10	9.7	159	119	224	98	18
20	8.5	e8.8	10	11	11	9.4	8.9	159	157	225	98	15
21	32	e8.7	9.7	11	10	9.2	27	159	158	230	98	14
22	e80	e8.6	10	11	9.1	9.3	94	160	158	243	98	13
23	e86	e8.6	10	11	8.9	9.2	94	165	155	244	98	13
24	e98	e8.7	11	11	8.5	9.3	95	165	138	252	98	13
25	e82	e8.7	11	11	9.0	9.2	95	164	106	252	103	12
26	e50	e8.7	11	11	8.5	9.0	95	128	59	252	137	12
27	48	e8.7	11	11	8.5	9.1	95	64	58	252	137	12
28	e51	e8.8	11	11	8.0	9.1	87	59	97	252	138	12
29	e51	e8.8	11	10	---	9.3	10	112	65	251	138	13
30	e51	e8.8	11	10	---	9.1	6.5	68	405	251	137	11
31	e51	---	11	10	---	9.1	---	115	---	248	137	---
TOTAL	1400.1	913.4	296.3	333	275.6	281.9	4097.8	3706.0	3760	5099	4256	1721
MEAN	45.2	30.4	9.56	10.7	9.84	9.09	137	120	125	164	137	57.4
MAX	98	51	11	11	11	10	332	205	405	259	212	173
MIN	4.2	8.6	8.5	10	8.0	8.0	6.5	6.0	58	12	98	11
AC-FT	2780	1810	588	661	547	559	8130	7350	7460	10110	8440	3410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

MEAN	161	70.5	43.5	40.4	46.4	88.7	202	201	230	237	199	241
MAX	5717	1474	838	712	617	288	601	2717	3481	1425	686	6515
(WY)	1942	1942	1942	1942	1942	1955	1942	1941	1941	1941	1941	1941
MIN	1.78	1.38	1.77	.76	.46	.84	1.05	5.86	17.1	8.11	.74	8.70
(WY)	1948	1960	1962	1965	1965	1965	1965	1978	1953	1984	1965	1953

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1938 - 1995

ANNUAL TOTAL	31712.8	26140.1	
ANNUAL MEAN	86.9	71.6	
HIGHEST ANNUAL MEAN			147
LOWEST ANNUAL MEAN			1284
HIGHEST DAILY MEAN	352	405	13.1
LOWEST DAILY MEAN	4.2	4.2	1953
ANNUAL SEVEN-DAY MINIMUM	8.6	8.4	23700
INSTANTANEOUS PEAK FLOW		697	.00
INSTANTANEOUS PEAK STAGE		7.63	.00
INSTANTANEOUS LOW FLOW		2.0	.00
ANNUAL RUNOFF (AC-FT)	62900	51850	23700
10 PERCENT EXCEEDS	257	189	20.74
50 PERCENT EXCEEDS	51	23	.00
90 PERCENT EXCEEDS	9.2	8.7	35
			5.3

e Estimated

RIO GRANDE BASIN

08412500 PECOS RIVER NEAR ORLA, TX -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993

PERIOD OF RECORD.--Chemical analyses: July 1937 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1937 to current year.

WATER TEMPERATURE: March 1953 to current year.

REMARKS.--October 1937 to September 1969, this station was published as 08410100 Pecos River below Red Bluff Dam, near Orla. Water-quality station operation transferred from the Texas District to the New Mexico District beginning with the 1993 water year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 29,400 microsiemens May 16, 1978; minimum daily, 1,600 microsiemens June 19, 1984.

WATER TEMPERATURE: Maximum daily, 32.0 °C, Aug 4, 1991; minimum daily, 0.0 °C, many days during winter months.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 15,800 microsiemens Jan. 4; minimum daily, 6,900 microsiemens Mar. 30.

WATER TEMPERATURE: Maximum daily, 27.5 °C, July 19; minimum daily 3.5 °C, Dec. 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT 1994												
26...	1400	50	11400	7.9	--	13.5	695	8.9	98	2700	2600	650
JAN 1995												
04...	1245	10	12800	8.1	1.0	6.0	698	11.5	106	2700	2600	680
FEB												
03...	1100	10	12400	7.8	12.0	12.0	702	9.6	101	2600	2500	660
MAR												
31...	1545	8.8	10600	8.0	17.5	14.5	693	--	--	2500	2400	610
JUL												
03...	1330	16	12000	8.0	36.5	29.0	687	8.2	124	2700	2600	690
AUG												
07...	1045	152	10000	7.6	30.0	26.5	694	6.3	89	2600	2500	640

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L) (70301)
OCT 1994												
26...	270	1700	14	44	129	0	106	2300	2800	0.90	15	7840
JAN 1995												
04...	240	2000	17	34	149	0	122	2200	3300	1.0	11	8540
FEB												
03...	240	1900	16	33	155	0	127	2200	3100	1.0	10	8220
MAR												
31...	240	1800	16	34	164	0	134	2100	2800	1.0	8.4	7670
JUL												
03...	230	1900	16	39	140	0	115	2100	3100	0.90	11	8140
AUG												
07...	250	1500	13	19	140	0	97	2200	2500	0.80	12	7180

TULAROSA VALLEY BASIN

08481500 TULAROSA CREEK NEAR BENT, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 1994												
05...	1500	19	1260	8.3	32.0	18.0	621	8.3	109	<10	95	200
JAN 1995												
30...	1250	24	1240	8.5	14.0	7.0	640	10.8	107	<10	>600	30
MAR												
30...	0945	25	1210	8.0	12.0	9.5	650	9.0	93	<10	48	48
SEP												
26...	1250	18	1230	8.1	27.5	15.5	630	9.0	110	<10	52	81

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
OCT 1994												
05...	600	160	49	41	0.7	1.1	159	400	53	0.40	14	816
JAN 1995												
30...	660	180	51	43	0.7	1.3	156	410	60	0.40	14	856
MAR												
30...	660	180	51	43	0.7	1.1	183	420	61	0.50	13	881
SEP												
26...	630	170	49	42	0.7	1.2	187	420	60	0.40	14	871

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	BORON, DIS- SOLVED (UG/L AS B) (01020)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN ,062 MM (70331)
OCT 1994												
05...	<0.010	0.420	0.040	<0.20	<0.010	<0.010	1.5	50	3	85	4.4	70
JAN 1995												
30...	<0.010	0.530	0.050	1.1	0.090	<0.010	1.8	40	<3	66	4.2	70
MAR												
30...	<0.010	0.420	0.040	<0.20	<0.010	<0.010	3.3	40	4	34	2.3	65
SEP												
26...	<0.010	0.450	0.050	0.20	<0.010	<0.010	2.1	40	<3	65	3.2	63

SAN JUAN RIVER BASIN

09355000 SPRING CREEK AT LA BOCA, CO

LOCATION.--Lat 37°00'40", long 107°35'47", in SE¼SW¼ sec.15, T.32 N., R.7 W., La Plata County, Hydrologic Unit 14060101, on right bank in an excavated channel, 0.2 mi upstream from mouth, and 0.2 mi east of La Boca.

DRAINAGE AREA.--58 mi², approximately.

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733. Water-quality data available, May 1974.

GAGE.--Water-stage recorder. Elevation of gage is 6,160 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 17 to Nov. 3, Nov. 6-11, Nov. 14 to Dec. 23, Dec. 26-29, Jan. 1 to Feb. 6, Feb. 17-28, and June 9-20. Records fair except for estimated daily discharges, which are poor. Part of flow is return waste from irrigation. Nearly all irrigation in this basin is water diverted from the Los Pinos River near Bayfield, Co., which causes a considerable change in the annual pattern and natural flow.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	12	8.2	5.5	22	26	5.5	9.9	51	76	68	69
2	44	13	8.4	7.5	25	74	5.3	17	44	74	60	68
3	41	15	10	8.0	30	44	5.1	18	48	75	59	65
4	44	21	12	9.5	30	140	4.7	20	49	76	63	58
5	45	18	16	12	28	176	4.7	24	59	72	60	59
6	39	16	22	12	25	918	5.8	28	58	69	65	67
7	32	15	9.0	12	30	71	6.3	29	53	69	64	76
8	28	14	7.0	13	22	19	6.7	23	55	73	62	75
9	27	15	7.0	15	26	14	7.1	25	54	71	60	82
10	24	14	8.0	17	25	15	7.5	28	52	75	61	79
11	24	16	9.0	18	16	19	6.3	31	52	68	59	82
12	24	288	8.0	16	9.5	29	5.5	23	55	67	61	75
13	25	45	7.0	15	13	16	4.7	34	50	62	65	72
14	27	30	6.4	15	67	12	4.7	39	45	65	68	75
15	93	18	6.4	13	73	13	4.7	35	42	73	67	78
16	52	14	6.6	10	18	15	4.7	27	50	71	68	72
17	19	14	6.0	8.5	16	15	4.4	46	60	94	71	68
18	18	13	5.4	9.0	15	17	4.3	47	110	110	68	63
19	18	14	5.0	10	14	15	6.6	53	84	128	73	59
20	17	14	6.0	9.0	14	15	7.5	53	75	95	94	58
21	16	14	7.0	8.0	16	13	11	51	63	88	84	57
22	15	14	7.0	10	16	15	11	46	59	90	110	55
23	15	13	7.5	11	15	12	9.0	41	60	79	80	59
24	15	13	7.9	13	15	11	9.8	42	61	74	86	57
25	16	13	6.2	19	14	9.4	9.9	46	62	74	120	60
26	15	11	6.2	14	14	7.6	11	45	65	71	114	61
27	14	10	6.2	12	15	7.1	11	45	63	68	130	62
28	13	9.2	6.0	12	16	6.3	9.9	47	59	72	91	80
29	13	8.0	6.0	13	---	6.3	24	68	67	72	109	107
30	13	7.6	5.9	15	---	5.9	11	72	72	75	81	81
31	13	---	5.5	20	---	5.5	---	57	---	73	74	---
TOTAL	861	731.8	244.8	382.0	639.5	1762.1	229.7	1169.9	1777	2399	2395	2079
MEAN	27.8	24.4	7.90	12.3	22.8	56.8	7.66	37.7	59.2	77.4	77.3	69.3
MAX	93	288	22	20	73	918	24	72	110	128	130	107
MIN	13	7.6	5.0	5.5	9.5	5.5	4.3	9.9	42	62	59	55
AC-FT	1710	1450	486	758	1270	3500	456	2320	3520	4760	4750	4120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

	MEAN	35.3	10.9	5.56	4.75	10.5	19.4	13.8	39.6	57.6	66.2	66.1	58.9
MAX	87.9	29.6	20.4	19.3	54.8	89.7	41.1	64.5	79.3	90.1	105	92.0	
(WY)	1973	1956	1985	1980	1980	1979	1979	1992	1986	1987	1987	1983	
MIN	5.25	3.68	1.74	2.04	2.55	3.03	3.77	15.7	24.4	21.2	32.1	26.5	
(WY)	1978	1978	1960	1973	1960	1972	1978	1978	1977	1977	1977	1951	

SUMMARY STATISTICS FOR 1994 CALENDAR YEAR FOR 1995 WATER YEAR WATER YEARS 1951 - 1995

ANNUAL TOTAL	11888.8	14670.8	
ANNUAL MEAN	32.6	40.2	32.8
HIGHEST ANNUAL MEAN			47.7
LOWEST ANNUAL MEAN			15.6
HIGHEST DAILY MEAN	288	Nov 12	918
LOWEST DAILY MEAN	2.2	Feb 1	4.3
ANNUAL SEVEN-DAY MINIMUM	2.5	Jan 30	4.7
INSTANTANEOUS PEAK FLOW			a1740
INSTANTANEOUS PEAK STAGE			5.28
INSTANTANEOUS LOW FLOW			
ANNUAL RUNOFF (AC-FT)	23580	29100	23780
10 PERCENT EXCEEDS	73	75	71
50 PERCENT EXCEEDS	18	24	24
90 PERCENT EXCEEDS	3.7	6.9	3.4

a-Discharge determined on the basis of slope-area measurement of peak flow.

b-From rating curve extended above 160 ft³/s, on basis of field estimate of peak flow.

c-Maximum gage height, 5.98 ft, Mar 9, 1960, backwater from ice.

PERIOD OF RECORD.--Water years 1955 to current year.

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DEC 1994									
06...	1315	556	246	--	8.5	6.5	4.1	615	11.4
JAN 1995									
10...	0905	566	251	--	--	4.5	--	--	--
FEB									
28...	0915	506	255	8.1	5.0	5.0	5.7	623	10.2
APR									
12...	1331	2490	252	--	--	7.0	--	--	--
MAY									
02...	1500	3460	244	8.2	19.0	7.5	10	613	11.8
JUN									
05...	1530	4720	303	--	25.5	9.0	--	--	--
29...	0945	3040	335	--	--	8.0	--	--	--
AUG									
09...	1430	827	250	8.4	31.0	12.5	1.9	619	10.5
SEP									
06...	0920	804	323	--	24.0	9.5	--	--	--

[illegible][illegible]

[illegible]

SAN JUAN RIVER BASIN

09363500 ANIMAS RIVER NEAR CEDAR HILL. NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible][illegible]

[illegible]

PERIOD OF RECORD.--Water years 1940 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 18...	0925	462	683	8.1	-0.5	1.0	621	11.0	95	<10	34
JAN 09...	1605	337	685	--	7.0	5.0	--	--	--	--	--
FEB 27...	1505	667	505	8.3	17.5	10.0	629	9.5	102	27	40
APR 07...	0839	771	496	--	--	9.0	--	--	--	--	--
MAY 04...	0930	1030	389	8.4	8.5	9.5	651	9.3	96	16	170
JUN 08...	1300	4370	276	--	--	11.5	--	--	--	--	--
27...	1100	5460	239	--	--	10.5	--	--	--	--	--
AUG 10...	0900	841	407	8.2	25.0	19.0	629	7.9	104	<10	110
SEP 05...	1630	E450	538	--	31.0	24.0	--	--	--	--	--

[illegible][illegible]

[illegible]

[illegible]

[illegible]

SAN JUAN RIVER BASIN

09368000 SAN JUAN RIVER AT SHIPROCK, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible][illegible][illegible]

[illegible]

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1978-81, 1985 to current year.

WATER QUALITY DATA. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT 1994									
03...	1615	1240	656	8.4	16.5	16.0	620	639	8.7
JAN 1995									
19...	0920	883	688	--	-4.0	0.5	--	--	--
MAR									
01...	1100	1210	634	8.3	9.5	9.0	140	644	9.7
APR									
06...	1420	2980	406	--	--	12.0	--	--	--
MAY									
05...	1015	4890	345	8.4	13.0	11.0	120	642	9.2
JUN									
07...	0900	9480	362	--	23.0	12.5	--	--	--
28...	0930	9590	302	--	--	14.5	--	--	--
AUG									
07...	1715	1370	464	8.5	35.0	27.0	6.8	642	7.5
29...	0930	E2650	602	--	30.0	22.5	--	--	--
SEP									
07...	1000	896	609	--	27.0	21.0	--	--	--

[illegible][illegible]

LITTLE COLORADO RIVER BASIN

09386910 CONSERVATION DRAW AT NUTRIA VILLAGE, NM

LOCATION.--Lat 35°16'23", long 108°36'47", in NW¼NE¼ sec.15, T.12 N., R.17 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on right bank at mouth of Conservation Draw, 1.7 mi northwest of Lower Nutria.

DRAINAGE AREA.--2.47 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1992 to September 1994 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,840 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 285 ft³/s, Aug. 11, 1992, gage height, 2.65 ft; no flow most of time.

EXTREMES FOR PERIOD MAY TO SEPTEMBER 1992.--Maximum discharge, 285 ft³/s, at 1515 hours, Aug. 11, gage height, 2.65 ft; no flow most of time.

EXTREMES FOR 1993 WATER YEAR.--Maximum discharge, 20 ft³/s, at 1300 hours, Dec. 29, gage height, 1.04 ft; no flow most of time.

EXTREMES FOR 1994 WATER YEAR.--Maximum discharge, 49 ft³/s, at 1300 hour, Dec. 29, gage height, 1.46 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	.00	.00	1.6	.00
2	---	---	---	---	---	---	---	---	.00	.00	.77	.00
3	---	---	---	---	---	---	---	---	.00	.00	.33	.00
4	---	---	---	---	---	---	---	---	.00	.00	.02	.00
5	---	---	---	---	---	---	---	---	.00	.00	.00	.00
6	---	---	---	---	---	---	---	---	.00	.00	.57	.00
7	---	---	---	---	---	---	---	---	.00	.00	1.7	.00
8	---	---	---	---	---	---	---	---	.00	.00	.91	.00
9	---	---	---	---	---	---	---	---	.00	.00	.42	.00
10	---	---	---	---	---	---	---	---	.00	.00	.10	.00
11	---	---	---	---	---	---	---	---	.00	.00	17	.00
12	---	---	---	---	---	---	---	---	.00	.15	9.7	.00
13	---	---	---	---	---	---	---	---	.00	.00	2.7	.00
14	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
15	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
16	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
17	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
18	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
19	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
20	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
21	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
22	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
23	---	---	---	---	---	---	---	.00	.00	.52	.00	.00
24	---	---	---	---	---	---	---	.54	.00	.01	.00	.00
25	---	---	---	---	---	---	---	.00	.00	1.0	.00	.00
26	---	---	---	---	---	---	---	.00	.00	.77	.00	.00
27	---	---	---	---	---	---	---	.00	.00	.00	.00	.00
28	---	---	---	---	---	---	---	.00	.00	.66	.00	.00
29	---	---	---	---	---	---	---	.00	.00	.42	.00	.00
30	---	---	---	---	---	---	---	.00	.00	.04	.00	.00
31	---	---	---	---	---	---	---	.00	---	.72	.00	---
TOTAL	---	---	---	---	---	---	---	---	0.00	4.29	35.82	0.00
MEAN	---	---	---	---	---	---	---	---	.000	.14	1.16	.000
MAX	---	---	---	---	---	---	---	---	.00	1.0	.17	.00
MIN	---	---	---	---	---	---	---	---	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	---	.00	8.5	.71	.00

LITTLE COLORADO RIVER BASIN

09386910 CONSERVATION DRAW AT NUTRIA VILLAGE, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	e2.8	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	e1.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	e3.1	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	e2.0	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	e1.8	e2.4	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	7.90	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEAN	.000	.000	.25	.17	.000	.000	.000	.000	.000	.000	.000	.000
MAX	.00	.00	3.1	2.8	.00	.00	.00	.00	.00	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	16	10	.00	.00	.00	.00	.00	.00	.00	.00

WTR YR 1993 TOTAL 13.10 MEAN .036 MAX 3.1 MIN .00 AC-FT 26

e Estimated

LITTLE COLORADO RIVER BASIN

09386910 CONSERVATION DRAW AT NUTRIA VILLAGE, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	1.1	.00
9	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	e3.7
12	.00	.00	.00	e.00	e.00	.00	.00	1.8	.00	.00	.00	e2.5
13	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	e1.5
14	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	e.00	e.00	.00	.00	.00	.99	.00	.00	.00
22	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	e.00	e.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	6.8	e.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	9.2	e.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	e.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	e.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.00	0.00	16.00	0.00	0.00	0.00	0.00	1.80	0.99	0.00	1.10	7.70
MEAN	.0000	.0000	.52	.0000	.0000	.0000	.0000	.058	.033	.0000	.035	.26
MAX	.00	.00	9.2	.00	.00	.00	.00	1.8	.99	.00	1.1	3.7
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.00	.00	32	.00	.00	.00	.00	3.6	2.0	.00	2.2	15

CAL YR 1993 TOTAL 21.20 MEAN .058 MAX 9.2 MIN .00 AC-FT 42
WTR YR 1994 TOTAL 27.59 MEAN .076 MAX 9.2 MIN .00 AC-FT 55

e Estimated

LITTLE COLORADO RIVER BASIN
09386910 CONSERVATION DRAW AT NUTRIA VILLAGE, NM --Continued
WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE SUS- PENDED (T/DAY) (80155)
SEPT			
11...	3.7	25000	250
12...	2.5	20000	135
13...	1.5	15300	62

LITTLE COLORADO RIVER BASIN

09386915 RIO NUTRIA ABOVE RESERVOIR NO.3 NEAR LOWER NUTRIA, NM

LOCATION.--Lat 35°13'52", long 108°36'39", in NE¼NE¼ sec.34, T.12 N., R.17 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank 0.7 mi upstream from Nutria Reservoir No.3, and 2.3 mi southwest of Lower Nutria.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1994 to June 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,700 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft³/s, at 0430 hours, Mar. 7, gage height, 4.61; no flow most of time.

EXTREMES FOR PERIOD DECEMBER 1993 TO SEPTEMBER 1995.--Maximum discharge, 203 ft³/s, at 1430 hours, Mar. 6, 1995 gage height, 6.03 ft; no flow most of time

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 203 ft³/s, at 1430 hours, Mar. 6, gage height, 6.03; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	a1.5	1.1	.87	.00	.00	.00	.00
2	---	---	---	---	---	a1.5	1.1	.85	.00	.00	.00	.00
3	---	---	---	---	---	2.0	.93	.73	.00	.00	.00	.00
4	---	---	---	---	---	4.9	.90	.60	.00	.00	.00	.00
5	---	---	---	---	---	7.8	.89	.53	.00	.00	.00	.00
6	---	---	---	---	---	36	.91	.40	.00	.00	.00	.00
7	---	---	---	---	---	28	.93	.27	.00	.00	.00	.00
8	---	---	---	---	---	15	.89	.22	.00	.00	.00	.00
9	---	---	---	---	---	24	1.1	.21	.00	.00	.00	.00
10	---	---	---	---	---	13	1.4	.14	.00	.00	.00	.00
11	---	---	---	---	---	5.8	1.6	.28	.00	.00	.00	.00
12	---	---	---	---	---	4.0	1.6	.39	.00	.00	.00	.00
13	---	---	---	---	---	4.5	1.6	.60	.00	.00	.00	.00
14	---	---	---	---	---	3.8	1.5	.73	.00	.00	.00	.00
15	---	---	---	---	---	3.4	1.3	.66	.00	.00	.00	.00
16	---	---	---	---	---	3.0	1.1	.48	.00	.00	.00	.00
17	---	---	---	---	---	2.7	1.0	.34	.00	.00	.00	.00
18	---	---	---	---	---	3.1	.85	.19	.00	.00	.00	.00
19	---	---	---	---	---	3.3	.74	.02	.00	.00	.00	.00
20	---	---	---	---	---	3.7	.67	.00	.00	.00	.00	.00
21	---	---	---	---	---	13	.63	.00	.00	.00	.00	.00
22	---	---	---	---	---	8.5	.59	.00	.00	.00	.00	.00
23	---	---	---	---	---	3.8	.57	a.02	.00	.00	.00	.00
24	---	---	---	---	---	2.3	.53	.00	.00	.00	.00	.00
25	---	---	---	---	---	1.8	.55	.00	.00	.00	.00	.00
26	---	---	---	---	---	1.6	.65	e.02	.00	.00	.00	.00
27	---	---	---	---	---	1.5	.70	.00	.00	.00	.00	.00
28	---	---	---	---	---	1.4	.75	.00	.00	.00	.00	.00
29	---	---	---	---	---	1.4	.86	.00	.00	.00	.00	.00
30	---	---	---	---	---	1.3	.95	.00	.00	.00	.00	.00
31	---	---	---	---	---	1.2	---	.00	---	.00	.00	---
TOTAL	---	---	---	---	---	208.8	28.89	8.55	0.00	0.00	0.00	0.00
MEAN	---	---	---	---	---	6.74	.96	.28	.000	.000	.000	.000
MAX	---	---	---	---	---	36	1.6	.87	.00	.00	.00	.00
MIN	---	---	---	---	---	1.2	.53	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	414	57	17	.00	.00	.00	.00

a Estimated

LITTLE COLORADO RIVER BASIN<

09386915 RIO NUTRIA ABV RES NO. 3 NR LOWER NURTIA, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.35	.43	1.0	64	6.9	2.7	2.8	.00	---	45
2	.00	e.01	.42	.43	1.2	80	6.7	2.5	1.7	.00	---	39
3	.00	.10	.46	.46	4.7	71	6.3	2.5	1.5	.00	---	33
4	.00	.31	.49	.54	15	76	6.3	2.2	1.4	.00	---	27
5	.00	.36	.56	.63	10	75	5.8	1.4	1.2	.00	---	22
6	.00	.57	.83	.62	8.8	131	5.5	.65	1.0	.00	---	17
7	.00	.47	18	.75	8.0	86	5.7	.20	1.2	---	---	13
8	.00	.26	4.2	.72	8.6	56	5.3	.28	1.3	---	---	9.7
9	.00	.15	1.9	.64	6.6	45	5.0	.61	1.4	---	---	6.6
10	.00	.10	1.3	.59	5.6	34	5.4	.94	1.6	---	---	3.6
11	.00	.14	.73	.57	3.4	29	5.8	.81	1.5	---	---	2.1
12	.00	3.4	.51	.64	2.3	15	6.6	.63	.90	---	---	1.3
13	.00	15	.45	.73	2.0	35	8.4	.46	.49	---	---	.74
14	.00	1.6	.44	.95	17	26	9.3	5.9	.16	---	---	.35
15	.00	.56	.41	1.5	35	25	8.5	5.0	.00	---	---	.06
16	.00	.42	.36	1.7	33	26	8.2	3.9	.00	---	---	.00
17	.31	.40	.36	1.8	31	25	6.9	3.9	.00	---	---	.00
18	.40	.34	.36	1.5	26	29	5.5	3.7	.00	---	---	.00
19	.14	.31	.31	1.1	20	28	6.7	2.8	.00	.00	---	.00
20	.44	.28	.24	.92	22	25	13	2.6	.00	.00	---	.00
21	.15	.28	.21	.93	27	23	18	5.4	.00	---	---	.00
22	.00	.28	.27	.95	35	20	22	8.7	.00	---	---	.00
23	.00	.32	.39	1.0	37	17	26	6.0	.00	---	---	.00
24	e.01	.30	.45	1.0	42	14	38	3.8	.00	---	47	.00
25	.02	.32	.49	1.3	60	12	39	3.2	.00	---	37	.00
26	.72	.32	.46	1.7	66	11	35	2.8	.00	---	40	.00
27	.20	.32	.45	1.7	52	9.0	30	2.8	.00	---	58	.00
28	.04	.32	.41	1.7	47	7.1	25	3.2	.00	---	85	.00
29	.00	.32	.39	1.7	---	8.5	5.6	4.6	.00	---	67	.00
30	.00	.31	.45	1.3	---	7.7	3.6	3.1	.00	---	59	.00
31	e.01	---	.41	.95	---	6.8	---	4.9	---	---	52	---
TOTAL	2.44	27.87	37.06	31.45	627.2	1117.1	380.0	92.18	18.15	---	---	220.45
MEAN	.079	.93	1.20	1.01	22.4	36.0	12.7	2.97	.60	---	---	7.35
MAX	.72	15	18	1.8	66	131	39	8.7	2.8	---	---	45
MIN	.00	.00	.21	.43	1.0	6.8	3.6	.20	.00	---	---	.00
AC-FT	4.8	55	74	62	1240	2220	754	183	36	---	---	437

e Estimated

LITTLE COLORADO RIVER BASIN<

09386915 RIO NUTRIA ABV RES NO. 3 NR LOWER NURTIA, NM --Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1											37	.14
2											36	.14
3											36	.20
4											36	.48
5											35	.74
6											35	3.0
7											34	2.0
8											27	1.0
9											20	1.0
10											16	.54
11											17	.26
12											19	.20
13											21	.26
14											23	.24
15											20	.18
16											16	.13
17											12	.09
18											12	.10
19											12	.11
20											13	.13
21											14	.49
22											18	.41
23											31	.30
24											31	.20
25											15	.07
26											20	.09
27											26	.10
28											34	.13
29											40	.15
30											43	.15
31											43	.14
TOTAL											---	13.17
DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	44	.14	62	.15								
2	48	.14	62	.14								
3	53	.13	56	.11								
4	59	.14	49	.08								
5	65	.16	44	.06								
6	73	.18	49	.05								
7	78	.19	55	.04								
8	65	.16	61	.04								
9	54	.15	69	.04								
10	44	.16	79	.03								
11	35	.15	91	.07								
12	30	.13	96	.10								
13	28	.12	73	.12								
14	31	.12	54	.11								
15	37	.13	39	.07								
16	40	.12	30	.04								
17	43	.12	26	.02								
18	50	.11	24	.01								
19	61	.12	22	.00								
20	68	.12	0	.00								
21	73	.13	0	.00								
22	69	.11	0	.00								
23	64	.10	17	.00								
24	59	.08	---	---								
25	56	.08	---	---								
26	58	.10	---	---								
27	59	.11	---	---								
28	59	.12	---	---								
29	60	.14	---	---								
30	61	.16	---	---								
31	---	---	---	---								
TOTAL	---	3.92	---	1.28								
TOTAL LOAD FOR YEAR:			18.37	TONS.								

LITTLE COLORADO RIVER BASIN<

09386915 RIO NUTRIA ABV RES NO. 3 NR LOWER NURTIA, NM --Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION	
	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	0	.00	34	.03	46	.05	77	.21	62	12
2	---	---	35	.00	38	.04	50	.06	89	.30	160	35
3	---	---	45	.01	42	.05	54	.07	102	1.0	79	15
4	---	---	50	.04	47	.06	59	.09	117	4.0	62	13
5	---	---	50	.05	52	.08	64	.11	135	3.0	53	11
6	---	---	60	.09	57	.13	70	.12	154	3.0	421	177
7	---	---	55	.07	121	5.0	76	.15	177	3.0	822	192
8	---	---	50	.04	234	2.0	82	.16	204	4.0	730	112
9	---	---	50	.02	189	1.0	89	.16	234	4.0	648	79
10	---	---	53	.01	98	.36	94	.15	269	4.0	576	53
11	---	---	68	.03	51	.10	81	.12	308	2.0	512	40
12	---	---	93	.94	29	.04	67	.12	354	2.0	454	18
13	---	---	152	5.0	29	.04	56	.11	407	2.0	369	35
14	---	---	102	.47	32	.04	47	.12	467	22	127	10
15	---	---	67	.10	35	.04	39	.15	522	49	125	8.0
16	---	---	44	.05	39	.04	32	.15	254	23	126	8.0
17	---	---	30	.03	45	.04	27	.13	140	12	128	8.0
18	---	---	29	.03	52	.05	22	.09	98	6.0	145	12
19	---	---	28	.02	59	.05	19	.05	84	4.0	139	11
20	---	---	28	.02	68	.04	16	.04	69	4.0	127	8.0
21	---	---	27	.02	78	.04	17	.04	81	6.0	123	7.0
22	---	---	27	.02	84	.06	19	.05	67	6.0	120	6.0
23	---	---	27	.02	70	.07	22	.06	66	6.0	118	5.0
24	30	.00	26	.02	57	.07	26	.07	61	6.0	115	4.0
25	40	.00	26	.02	46	.06	29	.11	60	9.0	111	3.0
26	110	.21	26	.02	37	.05	34	.16	58	10	109	3.0
27	96	.05	25	.02	31	.04	39	.18	53	7.0	100	2.0
28	80	.01	25	.02	33	.04	45	.20	36	4.0	92	1.0
29	0	.00	28	.02	36	.04	51	.23	---	---	94	2.0
30	0	.00	31	.03	39	.05	59	.21	---	---	89	1.0
31	47	.00	---	---	42	.05	67	.17	---	---	81	1.0
TOTAL	---	0.27	---	7.23	---	9.80	---	3.68	---	206.51	---	892.0

DAY	MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION		MEAN CONCENTRATION	
	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)	(MG/L)	(T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	79	1.0	51	.38	30	.02						
2	75	1.0	50	.34	0	.00						
3	73	1.0	50	.33	0	.00						
4	73	1.0	49	.29	0	.00						
5	70	1.0	40	.16	0	.00						
6	68	1.0	35	.06	0	.00						
7	69	1.0	31	.02	0	.00						
8	66	.95	36	.03	0	.00						
9	65	.88	53	.09	0	.00						
10	67	.98	91	.23	0	.00						
11	70	1.0	87	.19	0	.00						
12	77	1.0	62	.11	0	.00						
13	93	2.0	52	.06	60	.07						
14	99	2.0	53	.07	30	.01						
15	95	2.0	45	.05	---	---						
16	91	2.0	41	.03	---	---						
17	80	1.0	39	.03	---	---						
18	72	1.0	34	.02	---	---						
19	82	1.0	25	.01	---	---						
20	142	5.0	23	.01	---	---						
21	177	8.0	50	.06	---	---						
22	190	11	83	.19	---	---						
23	205	15	62	.09	---	---						
24	243	25	50	.04	---	---						
25	249	26	40	.02	---	---						
26	236	22	31	.01	---	---						
27	198	16	31	.01	---	---						
28	145	9.0	36	.02	---	---						
29	84	1.0	42	.04	---	---						
30	61	.60	38	.02	---	---						
31	---	---	44	.05	---	---						
TOTAL	---	161.41	---	3.06	---	0.10						
TOTAL LOAD FOR YEAR:			1284.06	TONS.								

LITTLE COLORADO RIVER BASIN

09386917 GARCIA DRAW ABOVE RESERVOIR NO.3 NEAR LOWER NUTRIA, NM

LOCATION.--Lat 35°13'52", long 108°38'03", in NE¼NE¼ sec.33, T.12 N., R.17 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank 0.5 mi upstream from Nutria Reservoir No.3, and 3.0 mi southwest of Lower Nutria.

DRAINAGE AREA.--23.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1994 to October 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,740 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94 ft³/s, Sept. 11, 1994, gage height, 4.76 ft; from rating curve extended on bases of step-back water analysis; no flow most of time.

EXTREMES FOR MARCH TO SEPTEMBER 1995.--Maximum discharge, 94 ft³/s, Sept. 11, gage height, 4.76 ft; from rating curve extended on bases of step-back water analysis; minimum discharge; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59 ft³/s, Oct. 15, gage height, 4.18 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.00	.00	e.00	.00	.00	.00
2	---	---	---	---	---	---	.00	.00	e.00	.00	.00	.00
3	---	---	---	---	---	---	.00	.00	e.00	.00	.00	e.20
4	---	---	---	---	---	---	.00	.00	e.00	.00	.00	e.00
5	---	---	---	---	---	---	.00	.00	e.00	.00	.00	e.00
6	---	---	---	---	---	---	.00	.00	e.00	.00	.00	.68
7	---	---	---	---	---	---	.00	.00	e.00	.00	.00	3.8
8	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.11
9	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
10	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
11	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	19
12	---	---	---	---	---	---	.00	1.2	e.00	.00	e.00	5.2
13	---	---	---	---	---	---	.00	e.06	e.00	.00	e.00	12
14	---	---	---	---	---	---	.00	e.00	e.00	.00	e.00	3.9
15	---	---	---	---	---	---	.00	e.00	e.00	.00	e1.4	e.00
16	---	---	---	---	---	---	.00	e.00	e.00	.00	e.12	e.00
17	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
18	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
19	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
20	---	---	---	---	---	---	.00	.00	e.00	.00	2.0	14
21	---	---	---	---	---	---	.00	.00	e.00	.00	3.9	e.00
22	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
23	---	---	---	---	---	---	.00	.00	e.00	.00	e.00	e.00
24	---	---	---	---	---	---	.00	e.00	e.00	.00	.00	e.00
25	---	---	---	---	---	---	.00	e.00	e.00	.00	.00	e.00
26	---	---	---	---	---	---	.00	e.00	e.00	.00	.00	e.00
27	---	---	---	---	---	---	.00	e.00	e.00	.00	.00	e.00
28	---	---	---	---	---	---	.00	e.00	e.00	.00	.00	e.00
29	---	---	---	---	---	.00	.00	e.00	e.00	.00	.00	e.00
30	---	---	---	---	---	.00	.00	e.00	e.00	.29	.00	e.00
31	---	---	---	---	---	.00	---	e.00	---	.00	.00	---
TOTAL	---	---	---	---	---	---	0.00	1.26	0.00	0.29	7.42	58.89
MEAN	---	---	---	---	---	---	.000	.041	.000	.009	.24	1.96
MAX	---	---	---	---	---	---	.00	1.2	.00	.29	3.9	19
MIN	---	---	---	---	---	---	.00	.00	.00	.00	.00	.00
AC-FT	---	---	---	---	---	---	.00	2.5	.00	.6	15	117

e Estimated

LITTLE COLORADO RIVER BASIN<

09386917 GARCIA DRAW ABV RES NO 3 NR LOWER NUTRIA, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	---	---	.00	7.1	.00	.00	.00	.00	.00	.00
7	.00	.00	---	---	.00	e.00	.00	.00	.00	.00	.00	.00
8	.00	.00	---	---	.00	e.00	.00	.00	.00	.00	.00	.00
9	.00	.00	---	---	.00	e.00	.00	.00	.00	.00	.00	.00
10	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	5.5	---	---	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	7.3	---	---	.00	.00	.00	.00	.00	.00	.00	.00
14	9.9	2.2	---	---	4.6	.00	.00	.00	.00	.00	.00	.00
15	17	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	2.6	.00
17	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	---	---	e.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
26	e16	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
27	2.4	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	9.3
30	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	---	---	---	.00	---	.00	---	.00	.00	---
TOTAL	45.30	15.00	---	---	---	7.10	0.00	0.00	0.00	0.00	2.60	9.30
MEAN	1.46	.50	---	---	---	.23	.000	.000	.000	.000	.084	.31
MAX	17	7.3	---	---	---	7.1	.00	.00	.00	.00	2.6	9.3
MIN	.00	.00	---	---	---	.00	.00	.00	.00	.00	.00	.00
AC-FT	90	30	---	---	---	14	.00	.00	.00	.00	5.2	18

e Estimated

LITTLE COLORADO RIVER BASIN

09386917 GARCIA DRAW ABV RES NO 3 NR LOWER NUTRIA, NM --Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE SUS- PENDED (T/DAY) (80155)
MAY			
12...	1.2	30800	100
13...	.06	11000	1.8
JUL			
30...	.29	40000	31
AUG			
15...	1.4	50000	189
16...	.12	30000	9.7
17...	.00	0	.00
18...	.00	0	.00
19...	.00	0	.00
20...	2.0	60000	324
21...	3.9	70000	737
SEP			
03...	.20	35000	19
06...	.68	59400	109
07...	3.8	28100	298
08...	.11	25000	7.4
09...	.00	0	.00
10...	.00	0	.00
11...	19	46200	2680
12...	5.2	41000	530
13...	12	77600	2930
14...	3.9	50300	526
15...	.00	0	.00
16...	.00	0	.00
17...	.00	0	.00
18...	.00	0	.00
19...	.00	0	.00
20...	14	161000	6080

LITTLE COLORADO RIVER BASIN

09386917 GARCIA DRAW ABV RES NO 3 NR LOWER NUTRIA, NM --Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE SUS- PENDE (T/DAY) (80155)
OCT			
14...	9.9	41500	1320
15...	17	50000	2230
26...	16	30200	1300
27...	2.4	20000	130
NOV			
12...	5.5	30000	446
13...	7.3	35000	690
14...	2.2	20000	119
FEB			
14...	4.6	30000	173
MAR			
06...	7.1	35000	671
AUG			
16...	2.6	22000	154
SEP			
29...	9.3	40000	1000

LITTLE COLORADO RIVER BASIN

09386919 SPILLWAY CHANNEL BELOW RESERVOIR NO.3 NEAR LOWER NUTRIA, NM

LOCATION.--Lat 35°13'12", long 108°38'12", in SE&SW¼ sec.33, T.12 N., R.17 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank 0.2 mi below Nutria Reservoir No.3, and 4.0 mi southwest of Lower Nutria.

DRAINAGE AREA.--151.9 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1993 to October 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,700 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57 ft³/s, March 7, 1995, gage height, 4.61 ft, no flow most of time.

EXTREMES FOR DECEMBER 1993 TO SEPTEMBER 1994.--Maximum discharge, 7.5 ft³/s, at 00300 hours, March 24, gage height 1.98 ft; flow most of time.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57 ft³/s, March 7, at 0430 hours, March 7, gage height, 4.61 ft; no flow most of time.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	.52	.45	1.1	.23	.00	.00	---	---	---
2	---	---	---	.52	.45	.97	.17	e.02	.00	---	---	---
3	---	---	---	.52	.45	.87	.23	.00	.00	---	---	---
4	---	---	---	.52	.45	.89	.23	.00	.00	---	---	---
5	---	---	---	.50	.45	.92	.23	e.01	.00	---	---	---
6	---	---	---	.50	.45	.84	.14	.00	.00	---	---	---
7	---	---	---	.50	.46	1.6	.11	.00	.00	---	---	---
8	---	---	---	.50	.52	2.1	.12	.00	.00	---	---	.00
9	---	---	---	.50	.63	2.2	.45	e.01	.00	---	---	.00
10	---	---	---	.50	.72	2.3	.21	.03	.00	---	---	.00
11	---	---	---	.50	.79	2.2	.12	e.02	.00	---	---	.00
12	---	---	---	.50	.79	2.1	.10	e.01	.00	---	---	.00
13	---	---	---	.50	.80	2.0	.08	.00	.00	---	---	.00
14	---	---	---	.50	.81	2.0	e.01	.00	.00	---	---	.00
15	---	---	---	.50	.82	1.9	e.02	.00	---	---	---	.00
16	---	---	.52	.50	.83	1.9	e.02	.00	---	---	---	.00
17	---	---	.52	.50	.82	1.8	e.03	.00	---	---	---	.00
18	---	---	.52	.50	.84	1.8	e.01	.00	---	---	---	.00
19	---	---	.52	.50	.86	1.8	.00	e.01	---	---	---	.00
20	---	---	.52	.50	.86	1.9	.00	.00	.00	---	---	.00
21	---	---	.52	.50	.87	1.9	e.01	.00	.00	---	---	.00
22	---	---	.52	.50	.87	2.0	.00	.00	.00	---	---	.00
23	---	---	.52	.50	.87	2.0	.00	e.01	.00	---	---	.00
24	---	---	.52	.49	.87	6.9	.00	.00	.00	---	---	.00
25	---	---	.52	.45	.87	5.9	.01	.06	---	---	---	.00
26	---	---	.52	.45	.87	5.4	.00	.00	---	---	---	.00
27	---	---	.52	.45	.91	5.1	.00	.00	---	---	---	.00
28	---	---	.52	.45	1.1	4.7	.00	.00	---	---	---	.00
29	---	---	.52	.45	---	2.7	.00	.00	---	---	---	.00
30	---	---	.52	.45	---	.36	.00	.00	---	---	---	.00
31	---	---	.52	.45	---	.32	---	.00	---	---	---	---
TOTAL	---	---	---	15.22	20.48	70.47	2.53	0.18	---	---	---	---
MEAN	---	---	---	.49	.73	2.27	.084	.006	---	---	---	---
MAX	---	---	---	.52	1.1	6.9	.45	.06	---	---	---	---
MIN	---	---	---	.45	.45	.32	.00	.00	---	---	---	---
AC-FT	---	---	---	30	41	140	5.0	.4	---	---	---	---

e Estimated

LITTLE COLORADO RIVER BASIN<

09386919 SPILLWAY CHANNEL BLW RES NO 3 NR LOWER NUTRIA, NM --Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1											85	7.0
2											84	6.0
3											122	9.0
4											130	12
5											200	22
6											220	26
7									35	.34	200	23
8									39	.42	120	9.0
9									37	.10	100	6.0
10									35	.08	60	1.0
11									35	.34	40	.17
12									39	.42	50	1.0
13									37	.10	128	5.0
14									35	.08	61	2.0
15									33	.08	37	1.0
16									32	.08	28	1.0
17									21	.06	51	1.0
18									26	.07	34	1.0
19									65	2.0	59	2.0
20									45	2.0	95	3.0
21									95	3.0	100	3.0
22									94	4.0	94	3.0
23									64	3.0	88	3.0
24									79	3.0	83	2.0
25									81	3.0	78	2.0
26									79	3.0	73	2.0
27									72	.69	79	2.0
28									70	2.0	167	3.0
29									---	---	238	4.0
30									---	---	183	3.0
31									---	---	223	4.0
TOTAL									---	27.86	---	169.17

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	152	2.0	95	1.0	40	.18	23	.01	0	.00	0	.00
2	115	1.0	90	1.0	39	.18	11	.00	0	.00	0	.00
3	85	1.0	81	.83	35	.15	6	.00	0	.00	0	.00
4	84	1.0	79	.75	31	.13	0	.00	0	.00	0	.00
5	105	1.0	76	.59	30	.12	0	.00	0	.00	0	.00
6	161	3.0	79	.68	30	.12	0	.00	0	.00	0	.00
7	39	.04	68	.57	30	.12	0	.00	0	.00	0	.00
8	19	.01	38	.31	29	.12	0	.00	0	.00	0	.00
9	12	.00	64	.55	26	.10	0	.00	0	.00	0	.00
10	15	.00	70	.64	29	.11	0	.00	0	.00	0	.00
11	20	.01	69	.62	30	.12	0	.00	0	.00	0	.00
12	37	.04	61	.44	30	.12	0	.00	0	.00	0	.00
13	34	.05	61	.42	25	.09	0	.00	0	.00	0	.00
14	12	.00	70	.54	31	.13	0	.00	0	.00	0	.00
15	10	.00	79	.70	45	.21	0	.00	0	.00	0	.00
16	10	.00	79	.61	40	.17	0	.00	0	.00	0	.00
17	13	.00	72	.53	40	.18	0	.00	0	.00	0	.00
18	14	.00	77	.61	70	.48	10	.00	0	.00	0	.00
19	16	.01	70	.52	57	.36	0	.00	0	.00	0	.00
20	20	.01	61	.41	49	.25	0	.00	0	.00	0	.00
21	27	.02	59	.37	42	.20	0	.00	0	.00	0	.00
22	50	.24	56	.33	39	.18	0	.00	0	.00	0	.00
23	95	1.0	54	.32	36	.14	0	.00	20	.00	0	.00
24	176	6.0	51	.29	34	.13	0	.00	0	.00	0	.00
25	145	5.0	49	.26	32	.11	0	.00	0	.00	0	.00
26	87	2.0	45	.22	42	.17	0	.00	0	.00	0	.00
27	80	2.0	41	.19	63	.41	0	.00	15	.00	0	.00
28	78	1.0	40	.19	51	.29	0	.00	0	.00	0	.00
29	75	1.0	41	.19	40	.18	0	.00	0	.00	0	.00
30	74	1.0	44	.21	30	.08	0	.00	0	.00	0	.00
31	---	---	41	.18	---	---	0	.00	0	.00	---	---
TOTAL	---	28.43	---	15.07	---	5.33	---	0.01	---	0.00	---	0.00
TOTAL LOAD FOR YEAR:			245.87	TONS.								

LITTLE COLORADO RIVER BASIN<

09386925 Y-UNIT DRAW AT STATE HWY 602 NR ZUNI, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.00	.00	.00	.00	.49	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.39	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	.00	.00	1.5	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.01	.00
22	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
26	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.18	.00	.00	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.39	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	0.11	0.00	0.00	1.91	1.88	0.49	0.00	0.00	0.00	0.00	0.01	0.00
MEAN	.004	.000	.000	.062	.067	.016	.000	.000	.000	.000	.000	.000
MAX	.11	.00	.00	1.5	.39	.49	.00	.00	.00	.00	.01	.00
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	.2	.00	.00	3.8	3.7	1.0	.00	.00	.00	.00	.02	.00

WTR YR 1993 TOTAL 4.40 MEAN .012 MAX 1.5 MIN .00 AC-FT 8.7

LITTLE COLORADO RIVER BASIN<

09386925 Y-UNIT DRAW AT STATE HWY 602 NR ZUNI, NM --Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
2	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
3	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
4	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
5	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
6	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
7	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
8	.00	.00	.00	---	---	.00	.00	.00	.00	.00	---	.00
9	.00	.00	.00	---	---	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
11	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
12	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
13	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
14	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
15	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
16	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
17	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
18	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
19	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
20	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
21	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
22	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
23	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
24	.00	.00	.00	---	---	.00	.00	.00	.00	---	.29	.00
25	.00	.00	.00	---	.00	.00	.00	.01	.00	---	.20	.00
26	.00	.00	.00	---	.00	.00	.00	.00	.00	---	.00	.00
27	.00	.00	.00	---	.00	.00	.00	.00	.00	---	.00	.00
28	.00	.00	.00	---	.00	.00	.00	.00	.00	---	.00	.00
29	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
30	.00	.00	.00	---	---	.00	.00	.00	.00	---	.00	.00
31	.00	---	.00	---	---	.00	---	.00	---	---	.00	---
TOTAL	0.00	0.00	0.00	---	---	0.00	0.00	0.01	0.00	---	---	0.00
MEAN	.000	.000	.000	---	---	.000	.000	.000	.000	---	---	.000
MAX	.00	.00	.00	---	---	.00	.00	.01	.00	---	---	.00
MIN	.00	.00	.00	---	---	.00	.00	.00	.00	---	---	.00
AC-FT	.00	.00	.00	---	---	.00	.00	.02	.00	---	---	.00

CAL YR 1993 TOTAL 4.29 MEAN .012 MAX 1.5 MIN .00 AC-FT 8.5

LITTLE COLORADO RIVER BASIN

09386950 ZUNI RIVER ABOVE BLACK ROCK RESERVOIR, NM

LOCATION.--Lat 35°06'03", long 108°45'03", in NE¼ sec.17, T.10 N., R.18 W., McKinley County, Hydrologic Unit 15020004, on Zuni Indian Reservation, on left bank downstream from highway bridge on State Highway 36, 0.3 mi upstream from flow line of Black Rock Reservoir, 2.3 mi northeast of Black Rock, and 5.9 mi northeast of Zuni Pueblo.

DRAINAGE AREA.--848 mi², of which 13 mi² is non-contributing.

PERIOD OF RECORD.--October 1969 to current year. Prior to October 1974 published as "above Zuni Reservoir."

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records fair except for estimated daily discharges, which are poor. Several observations of water temperature were made during the year. No flow for many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.27	e1.3	e1.0	e2.2	2.9	16	13	.53	.00	.00	.64
2	.00	.14	e1.4	1.2	e3.9	4.9	15	13	.31	.00	.00	.05
3	.00	.32	e1.4	e1.9	e4.3	5.1	15	13	.13	.00	.00	.00
4	.00	.66	e1.5	e2.0	e3.5	80	14	11	.05	.00	.00	.00
5	.00	1.0	e1.9	e2.0	e3.0	95	13	10	.00	.00	.00	.00
6	.00	.69	e2.4	e2.2	2.7	114	12	8.8	.00	.00	.00	.00
7	.00	.60	e2.5	e2.4	2.4	339	11	8.3	.00	.00	.00	.00
8	.00	.56	e1.8	e2.2	2.2	238	11	9.6	.00	.00	.00	.00
9	.00	.51	e1.4	e2.1	2.2	151	9.0	9.5	.00	.00	.00	.00
10	.00	.65	e.80	e1.9	2.1	100	7.6	8.3	.00	.00	.00	.00
11	.00	.72	e1.0	1.9	1.9	61	6.4	7.3	.00	.00	.00	.00
12	.00	1.9	e1.0	2.3	1.9	41	4.9	6.0	.00	.00	.00	.00
13	.00	5.5	e1.0	e2.9	2.0	34	4.5	4.3	.00	.00	.00	.00
14	.00	2.3	e1.0	e2.6	2.5	34	3.8	2.9	.00	.00	.00	.00
15	2.3	1.2	e.97	e2.4	11	36	3.1	1.8	.00	.00	.00	.00
16	11	.90	e.88	e2.0	12	36	2.8	1.4	.00	.00	.00	.00
17	12	.86	e1.3	e1.2	5.2	35	2.5	1.4	.00	.00	.00	.00
18	6.6	.80	e1.2	e1.0	3.6	37	2.7	2.3	.00	.00	.00	.00
19	1.6	.77	e1.2	e.96	2.7	36	3.5	2.3	.00	.00	.00	.00
20	.69	.74	e1.1	e1.2	2.2	35	5.1	1.5	.00	.00	.00	.00
21	.47	.77	e1.1	e1.9	2.9	34	5.7	.88	.00	.00	.00	.00
22	.25	.87	e1.2	e1.7	1.9	30	5.1	.68	.00	.00	.00	.00
23	.15	.92	e1.2	e1.7	2.4	30	3.5	.52	.00	.00	.00	.00
24	.18	.94	e1.1	e1.7	2.0	28	2.5	.55	.00	.00	.00	.00
25	.18	.96	e1.0	e1.8	3.0	25	1.9	.58	.00	.00	.00	.00
26	1.3	1.1	e.98	e1.8	2.8	24	2.1	.53	.00	.00	.00	.00
27	3.0	1.8	e.94	e1.8	3.1	23	9.4	.60	.00	.00	5.3	.00
28	.68	1.5	e.96	e1.7	2.5	22	11	.64	.00	.00	41	.00
29	.52	1.3	e1.1	e1.6	---	20	11	.62	.00	.00	15	.00
30	.45	e1.2	e1.0	e1.6	---	18	12	.44	.00	.00	4.4	.00
31	.32	---	e1.0	e1.7	---	17	---	.66	---	.00	1.6	---
TOTAL	41.69	32.45	38.63	56.36	94.1	1785.9	227.1	142.40	1.02	0.00	67.30	0.69
MEAN	1.34	1.08	1.25	1.82	3.36	57.6	7.57	4.59	.034	.000	2.17	.023
MAX	12	5.5	2.5	2.9	12	339	16	13	.53	.00	41	.64
MIN	.00	.14	.80	.96	1.9	2.9	1.9	.44	.00	.00	.00	.00
AC-FT	83	64	77	112	187	3540	450	282	2.0	.00	133	1.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

	1974	1971	1971	1977	1972	1971	1972	1971	1970	1971	1986	1979
MEAN	1.74	1.52	1.38	3.16	11.4	47.4	57.3	5.92	.20	3.16	6.47	2.77
MAX	12.6	13.7	5.87	41.9	73.4	263	308	65.3	1.97	25.6	23.6	17.5
(WY)	1984	1984	1984	1993	1980	1985	1973	1973	1979	1977	1977	1984
MIN	.000	.000	.013	.11	.33	.66	.009	.010	.000	.000	.000	.000
(WY)	1974	1971	1971	1977	1972	1971	1972	1971	1970	1971	1986	1979

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1970 - 1995

ANNUAL TOTAL	410.44	2467.64	
ANNUAL MEAN	1.12	6.82	
HIGHEST ANNUAL MEAN			11.8
LOWEST ANNUAL MEAN			46.9
HIGHEST DAILY MEAN	27	Sep 7	1530
LOWEST DAILY MEAN	.00	May 6	.00
ANNUAL SEVEN-DAY MINIMUM	.00	May 16	.00
INSTANTANEOUS PEAK FLOW			533
INSTANTANEOUS PEAK STAGE			4.67
ANNUAL RUNOFF (AC-FT)	814	4930	8570
10 PERCENT EXCEEDS	2.3	13	11
50 PERCENT EXCEEDS	.88	1.0	.85
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated

a-From rating curve extended above 670 ft³/s on basis of slope-area measurements at gage heights 4.05 ft, 3.95 ft and 6.61 ft.

GILA RIVER BASIN

09430600 MOGOLLON CREEK NEAR CLIFF, NM

(Hydrologic bench-mark station)

LOCATION.--Lat 33°10'00", Long 108°38'57", in SE¹/₄ sec.13, T.13 S., R.18 W., Grant County, Hydrologic Unit 15040001, on right bank 0.3 mi downstream from Rain Creek, 0.8 mi downstream from Gila Wilderness Boundary, 12 mi upstream from mouth, and 14 mi north of Cliff.

DRAINAGE AREA.--69 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. No flow at times. See tabulation below for monthly precipitation in inches.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.59	4.2	7.8	15	71	90	31	43	4.5	.84	e7.0	5.6
2	.61	4.1	7.5	14	113	83	30	44	4.1	.32	e5.0	4.3
3	.60	4.9	7.0	13	120	79	30	38	3.8	.00	e4.0	3.5
4	.72	6.9	6.9	17	117	73	27	32	3.6	.00	e4.0	3.0
5	.65	6.7	531	74	108	68	25	31	3.3	.00	e3.0	2.5
6	.41	6.1	1670	61	100	196	29	26	2.7	.00	e3.0	2.2
7	.33	5.7	485	50	92	246	35	23	2.4	.00	2.2	2.0
8	.37	8.6	234	64	85	153	37	19	2.1	.00	1.6	1.9
9	.44	9.8	142	90	83	111	39	16	1.8	.00	.63	1.7
10	.48	8.6	97	100	77	88	37	14	1.6	.00	.00	2.1
11	.53	274	73	117	65	80	32	15	1.3	.00	.00	1.9
12	.54	2390	59	146	55	86	27	18	1.1	.00	1.0	1.5
13	.53	546	48	152	120	78	26	20	.80	.00	2.1	1.4
14	2.4	206	41	152	901	67	31	21	.42	.00	1.2	1.3
15	5.4	102	35	160	777	67	34	21	.24	.00	1.3	1.6
16	27	85	30	136	371	70	31	22	.00	10	1.4	2.0
17	46	64	26	105	227	75	28	21	1.6	40	6.4	1.8
18	18	50	23	78	161	79	24	16	3.5	e60	4.0	1.6
19	12	40	21	64	130	83	26	13	3.1	e200	3.3	1.3
20	9.9	33	20	55	114	86	22	12	2.4	e160	3.0	1.1
21	8.9	28	18	48	115	89	20	12	1.7	e95	5.0	.98
22	8.1	23	17	42	133	91	17	13	1.3	e70	6.1	.75
23	7.2	20	16	37	138	75	16	12	.93	e65	3.7	.80
24	6.4	17	16	34	132	62	15	11	.57	e40	17	.72
25	5.9	15	15	33	131	54	17	9.6	.25	e35	11	.67
26	5.7	13	19	48	123	47	20	8.1	.25	e30	8.5	.59
27	5.4	12	21	53	105	42	25	7.6	.36	e25	18	.45
28	5.1	10	20	50	96	39	28	6.7	.94	e13	14	.66
29	4.7	9.0	19	45	---	38	28	6.2	1.2	e12	8.7	1.4
30	4.5	8.4	18	42	---	35	33	5.5	1.1	e10	9.4	1.3
31	4.2	---	16	44	---	32	---	5.1	---	e9.0	8.9	---
TOTAL	193.60	4011.0	3759.2	2139	4860	2562	820	561.8	52.96	875.16	164.43	52.62
MEAN	6.25	134	121	69.0	174	82.6	27.3	18.1	1.77	28.2	5.30	1.75
MAX	46	2390	1670	160	901	246	39	44	4.5	200	18	5.6
MIN	.33	4.1	6.9	13	55	32	15	5.1	.00	.00	.00	.45
AC-FT	284	7460	7460	4240	9640	5080	1630	1110	105	1740	326	104
(†)	0.58	0.21	2.38	0.10	0.04	0	0	0	0	0	1.86	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1995, BY WATER YEAR (WY)

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	23.2	19.6	50.2	39.4	63.6	73.4	58.5	30.1	3.70	6.13	15.5	16.1																	
MAX	237	166	410	298	211	272	182	160	24.1	28.2	56.8	120																	
(WY)	1973	1979	1979	1993	1968	1978	1973	1992	1992	1995	1967	1975																	
MIN	.14	1.07	1.03	1.14	1.44	1.33	.90	.26	.000	.000	1.02	.33																	
(WY)	1980	1971	1974	1971	1971	1971	1971	1971	1971	1980	1975	1987																	

SUMMARY STATISTICS

	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1967 - 1995
ANNUAL TOTAL	10621.97	20051.77	
ANNUAL MEAN	29.1	54.9	33.5
HIGHEST ANNUAL MEAN			97.0
LOWEST ANNUAL MEAN			1.83
HIGHEST DAILY MEAN	2390	2390	6000
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
INSTANTANEOUS PEAK FLOW		4420	b10800
INSTANTANEOUS PEAK STAGE		8.55	a13.70
INSTANTANEOUS LOW FLOW		.00	
ANNUAL RUNOFF (AC-FT)	21070	39770	24260
10 PERCENT EXCEEDS	29	113	88
50 PERCENT EXCEEDS	6.1	16	7.1
90 PERCENT EXCEEDS	.00	.62	.41

e Estimated

a-From floodmarks.

b-From rating curve extended above 400 ft³/s on basis of slope-area measurement of peak flow.

(†) Total rainfall accumulation in inches.

GILA RIVER BASIN

09430600 MOGOLLON CREEK NEAR CLIFF, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current years.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV 1994												
29...	1600	9.1	97	8.5	6.5	2.5	0.90	631	11.0	98	K11	K14
JAN 1995												
25...	1030	31	107	7.5	8.5	3.5	2.6	630	12.3	113	K9	K11
MAY												
24...	1630	11	77	8.0	25.0	17.5	1.2	624	7.3	94	K11	K16
SEP												
21...	0930	1.0	163	8.2	14.0	13.0	2.5	629	8.3	96	K9	63
DATE		HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT.WH. GRAN T. FIELD (MG/L) (29813)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)
NOV 1994												
29...		32	0	8.9	2.3	4.7	0.4	0.80	49	0	--	40
JAN 1995												
25...		42	2	12	2.9	5.2	0.3	0.70	49	0	40	40
MAY												
24...		27	0	8.0	1.7	4.2	0.4	0.70	51	0	44	42
SEP												
21...		62	0	18	4.1	7.7	0.4	1.5	79	0	64	65
DATE		ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 1994												
29...		33	10	1.5	0.30	19	71	72	<0.010	<0.050	<0.015	<0.20
JAN 1995												
25...		37	10	1.4	0.30	21	85	78	<0.010	<0.050	<0.015	<0.20
MAY												
24...		29	6.0	0.90	0.30	19	70	66	<0.010	<0.050	0.030	<0.20
SEP												
21...		73	8.0	1.6	0.30	18	100	98	<0.010	<0.050	<0.015	<0.20
DATE		PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
NOV 1994												
29...		0.010	0.010	<0.010	60	3	<3	20	<4	2	<10	<1
JAN 1995												
25...		<0.010	0.020	0.020	250	4	<3	68	<4	1	<10	<1
MAY												
24...		<0.010	<0.010	0.020	110	3	<3	300	<4	5	<10	<1
SEP												
21...		0.020	0.020	0.020	10	7	<3	8	<4	8	10	<1

GILA RIVER BASIN

09430600 MOGOLLON CREEK NEAR CLIFF, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	SEDI- MENT, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
29...	<1	<1.0	45	<6	0.04	0.020	0.07	<1.0	13	0.32	74
JAN 1995											
25...	<1	<1.0	63	<6	--	--	--	--	6	0.50	67
MAY											
24...	<1	<1.0	41	<6	0.03	0.010	0.09	0.0	29	0.88	42
SEP											
21...	<1	<1.0	96	<6	--	--	--	--	7	0.02	61

GILA RIVER BASIN

09431500 GILA RIVER NEAR REDROCK, NM

(National stream-quality accounting network and radiochemical network station)

LOCATION.--Lat 32°43'37", long 108°40'30", in W¼ sec.23, T.18 S., R.18 W., Grant County, Hydrologic Unit 15040002, on left bank 0.2 mi downstream from Copper Canyon, 0.2 mi upstream from lower end of box canyon, 4.7 mi northeast of Redrock, 14 mi downstream from Mangas Creek, and at mile 539.2.

DRAINAGE AREA.--2,829 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1904 to February 1905 (gage heights only). May 1905 to December 1906, January to December 1907 and July to October 1908 (gage heights only). November 1908 to December 1910, January 1911 to January 1912 and May to June 1912 (gage heights only). August 1912 to September 1955, October 1962 to current year. Monthly or annual discharge only some periods, published in WSP 1313. Published as "near Cliff" 1904-7.

REVISED RECORDS.--WSP 1213: 1906, 1911-15, 1931, 1936-37, 1939, 1941, 1944, 1945(P), 1946(M), 1947. WSP 1283: Drainage area. WSP 1926: 1955. WDR NM-78-1: 1977.

GAGE.--Water-stage recorder. Elevation of gage is 4,090 ft above National Geodetic Vertical Datum of 1929, from plane table survey. Prior to Dec. 31, 1907, nonrecording gage at site 13.5 mi upstream at different datum. May 14, 1908, to July 16, 1909, nonrecording gage at site 0.2 mi downstream at different datum. June 13, 1980 to Feb. 23, 1983 at site 1,300 ft downstream at same datum.

REMARKS.--Water-discharge records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 5,000 acres upstream from station. Gage height and rain gage satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	38	151	234	403	729	257	169	116	e45	58	395
2	32	36	146	226	403	669	249	168	106	e43	219	302
3	28	36	142	218	468	624	244	179	80	e39	66	253
4	31	55	138	222	603	583	225	185	77	54	57	206
5	33	55	790	6750	716	557	193	197	79	53	52	158
6	32	54	e15300	2200	756	561	185	207	72	e40	51	134
7	31	59	e6660	1700	771	1040	176	205	74	e36	49	120
8	18	59	e2800	1230	782	1210	184	219	80	e35	42	106
9	18	72	e1500	1230	788	1040	194	181	78	e37	38	89
10	17	79	e1000	1130	810	856	199	163	78	41	34	97
11	27	120	e760	1050	851	743	188	165	75	43	35	93
12	41	10400	e680	1270	811	715	159	167	76	42	42	94
13	42	e9150	e580	1740	779	747	156	150	e76	45	60	86
14	46	e2260	e575	1550	1030	700	153	140	e74	46	72	85
15	58	1220	e510	1410	5360	627	179	145	e72	48	74	89
16	60	748	e450	1350	5190	575	188	146	e69	47	82	96
17	62	469	e390	1290	2610	550	183	146	e64	35	102	90
18	64	307	e360	1070	1940	616	162	153	e60	33	142	85
19	69	243	e340	823	1570	699	172	161	e54	39	133	85
20	77	202	e315	684	1350	678	203	144	e48	227	132	78
21	79	183	e290	610	1170	656	211	135	50	241	145	71
22	71	171	285	541	1120	635	207	122	50	198	151	65
23	66	167	260	476	1100	624	199	116	49	157	162	46
24	66	163	249	424	1110	597	193	140	47	131	226	39
25	69	162	241	401	1060	532	172	147	46	100	391	34
26	68	167	245	415	1010	480	169	144	48	84	419	32
27	64	167	253	510	926	434	158	134	45	75	400	44
28	45	175	255	533	800	387	158	127	44	67	403	55
29	43	169	255	501	---	327	154	129	46	61	719	62
30	45	159	250	460	---	291	155	126	47	56	624	65
31	41	---	245	424	---	267	---	125	---	57	484	---
TOTAL	1474	27345	36415	32672	36287	19749	5625	4835	1980	2255	5664	3254
MEAN	47.5	911	1175	1054	1296	637	187	156	66.0	72.7	183	108
MAX	79	10400	15300	6750	5360	1210	257	219	116	241	719	395
MIN	17	36	138	218	403	267	153	116	44	33	34	32
AC-FT	2920	54240	72230	64800	71980	39170	11160	9590	3930	4470	11230	6450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1995, BY WATER YEAR (WY)

	MEAN	212	157	364	345	448	513	319	203	63.8	74.5	211	223
MAX	1768	911	2200	2987	1692	1438	1155	1068	278	287	1182	1315	
(WY)	1973	1995	1979	1993	1993	1978	1973	1992	1992	1986	1988	1975	
MIN	27.6	55.1	60.0	64.9	53.8	40.0	41.2	27.2	12.0	15.6	40.9	22.2	
(WY)	1974	1974	1981	1971	1971	1971	1971	1971	1974	1978	1994	1978	

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1963 - 1995

ANNUAL TOTAL	92001	177555	
ANNUAL MEAN	252	486	
HIGHEST ANNUAL MEAN			261
LOWEST ANNUAL MEAN			664
HIGHEST DAILY MEAN	15300	Dec 6	34000
LOWEST DAILY MEAN	10	Jul 17	3.6
ANNUAL SEVEN-DAY MINIMUM	12	Jul 11	4.9
INSTANTANEOUS PEAK FLOW			20400
INSTANTANEOUS PEAK STAGE			17.80
INSTANTANEOUS LOW FLOW			14
ANNUAL RUNOFF (AC-FT)	182500	352200	188800
10 PERCENT EXCEEDS	255	1030	573
50 PERCENT EXCEEDS	99	163	100
90 PERCENT EXCEEDS	24	43	34

e Estimated

a-In gage well, 34.1 ft from floodmarks.

b-From rating curve extended above 9,500 ft³/s on basis of slope-area measurement of peak flow.

GILA RIVER BASIN
09431500 GILA RIVER NEAR REDROCK, NM -- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 1994												
28...	1630	178	345	8.5	11.5	8.5	1.8	657	9.7	96	12	K23
JAN 1995												
24...	1415	453	256	8.0	12.5	7.5	8.3	661	10.0	96	13	K2
MAR												
29...	1430	322	249	8.0	21.5	14.0	4.8	657	9.5	107	11	180
MAY												
24...	1100	143	316	8.0	23.0	16.0	2.0	658	9.0	106	<10	23
JUL												
18...	1400	34	386	8.1	30.0	24.0	1.5	656	7.8	108	<10	25
SEP												
20...	1230	79	365	8.2	29.0	21.5	10	659	8.7	114	<10	45

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARE DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
NOV 1994											
28...	K3	110	15	34	6.9	24	1	2.0	120	0	98
JAN 1995											
24...	13	98	25	29	6.3	18	0.8	1.5	89	0	73
MAR											
29...	K9	89	16	27	5.2	18	0.8	1.4	89	0	73
MAY											
24...	K23	--	--	--	--	--	--	--	145	0	119
JUL											
18...	22	140	0	42	8.4	33	1	3.0	273	24	264
SEP											
20...	27	130	0	41	7.9	27	1	2.5	164	0	135

DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV 1994											
28...	119	33	12	1.6	227	173	3	0.620	0.620	<0.010	--
JAN 1995											
24...	95	25	7.0	1.3	185	132	7	0.410	0.410	0.040	0.23
MAR											
29...	86	21	6.7	1.4	169	125	9	0.310	0.310	0.010	--
MAY											
24...	121	28	10	1.7	223	--	9	0.380	0.380	0.030	--
JUL											
18...	140	43	11	1.7	263	300	5	0.690	0.690	0.040	0.17
SEP											
20...	147	38	12	1.7	255	211	30	0.780	0.780	0.010	0.26

GILA RIVER BASIN

09431500 GILA RIVER NEAR REDROCK, NM -- Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ANTI- MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
NOV 1994											
28...	<0.20	--	0.050	<1	4	1	12	<10	40	40	<1
JAN 1995											
24...	0.27	0.68	0.070	<1	2	<1	11	<10	10	20	<1
MAR											
29...	<0.20	--	0.080	<1	1	2	10	<10	30	20	<1
MAY											
24...	<0.20	--	0.040	<1	1	--	--	<10	40	40	<1
JUL											
18...	0.21	0.90	0.020	<1	2	<1	19	<10	50	50	<1
SEP											
20...	0.27	1.0	0.080	<1	2	2	22	<10	50	40	<1

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
NOV 1994											
28...	<1.0	2	1	1	3	160	13	<1	<1	20	7
JAN 1995											
24...	<1.0	2	<1	5	2	490	44	1	<1	20	2
MAR											
29...	<1.0	<1	1	2	2	310	33	<1	<1	20	4
MAY											
24...	--	1	--	1	--	130	--	<1	--	<10	--
JUL											
18...	<1.0	2	<1	2	2	60	<3	<1	<1	20	2
SEP											
20...	<1.0	1	2	9	2	560	8	1	<1	30	2

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
28...	<0.10	0.1	<100	<1	<1	<1.0	<10	<3	33	16	37
JAN 1995											
24...	<0.10	<0.1	<100	<1	<1	<1.0	20	<3	44	54	83
MAR											
29...	<0.10	<0.1	<100	<1	<1	<1.0	<10	--	51	44	34
MAY											
24...	<0.10	<0.1	<100	<1	--	--	<10	--	19	7.3	72
JUL											
18...	<0.10	<0.1	<100	<1	<1	<1.0	<10	<3	12	1.1	52
SEP											
20...	<0.10	<0.1	<100	<1	<1	<1.0	<10	<3	32	6.8	86

GILA RIVER BASIN

09442692 TULAROSA RIVER ABOVE ARAGON, NM

LOCATION.--Lat 33°53'29", long 108°30'54", in NE¼NW¼ sec.9, T.5 S., R.16 W., Catron County, Hydrologic Unit 15040004, on right bank 0.4 mi upstream from first diversion, 1.4 mi northeast of Aragon, and 8 mi upstream from Apache Creek.

DRAINAGE AREA.--94 mi².

PERIOD OF RECORD.--July 1966 to current year. 1955 to 1965 at site 0.6 mi upstream (drainage area, 89 mi²), annual maximum only.

REVISED RECORD.--WDR NM-78-1: 1977.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,750 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.8	2.8	2.9	3.0	3.3	e3.1	e3.3	3.7	3.1	3.0	3.1
2	2.7	2.8	2.9	2.9	3.0	3.3	e3.2	e3.3	3.7	3.1	3.0	3.1
3	2.7	2.9	2.9	2.9	3.0	3.3	e3.2	e3.4	3.7	3.1	3.0	3.1
4	2.7	2.8	2.9	3.0	3.0	3.3	e3.2	e3.4	3.7	3.1	3.0	3.2
5	2.7	2.8	3.1	3.1	3.0	3.3	e3.1	e3.3	3.7	3.2	3.0	3.1
6	2.8	2.8	3.2	3.0	3.0	3.3	e3.1	e3.4	3.7	3.2	3.0	3.1
7	2.8	2.8	3.0	3.0	3.0	3.3	e3.3	e3.4	3.7	3.2	3.0	3.1
8	2.8	2.8	2.9	3.0	3.0	3.3	e3.2	e3.4	3.6	3.2	3.0	3.1
9	2.8	2.8	2.9	3.0	3.0	3.3	e3.2	e3.4	3.6	3.2	3.0	3.1
10	2.8	2.8	2.9	3.0	3.0	3.3	e3.2	e3.5	3.6	3.2	2.9	3.1
11	2.8	2.9	2.9	3.0	3.0	3.3	e3.3	e3.5	3.5	3.1	2.9	3.1
12	2.8	3.4	2.9	3.1	3.0	3.2	e3.2	e3.5	3.5	3.1	2.9	3.1
13	2.7	2.9	2.9	3.1	3.1	3.1	e3.2	e3.6	3.5	3.2	2.9	3.1
14	2.9	2.8	2.9	3.0	41	3.1	e3.3	e3.6	3.5	3.2	2.9	3.1
15	2.8	2.8	2.9	3.0	53	3.1	e3.2	e3.5	3.4	3.2	2.9	3.2
16	3.0	2.8	2.9	3.0	19	3.1	e3.3	e3.6	3.4	3.2	2.9	3.1
17	2.9	2.8	2.9	3.0	7.9	3.1	e3.2	e3.6	3.4	3.2	2.9	3.1
18	2.8	2.8	2.9	3.0	5.1	3.1	e3.1	3.7	3.4	3.2	3.1	3.3
19	2.8	2.8	2.9	3.0	4.1	3.0	e3.1	3.5	3.4	3.1	3.0	3.2
20	2.8	2.8	2.9	3.0	3.7	3.0	e3.3	3.5	3.4	3.1	2.9	3.2
21	2.8	2.8	2.9	3.0	3.5	3.0	e3.2	3.5	3.4	3.3	2.9	3.2
22	2.8	2.8	2.9	3.0	3.5	e3.0	e3.1	3.5	3.6	3.4	4.4	3.3
23	2.8	2.8	2.9	3.0	3.4	e3.0	e3.3	3.4	3.4	3.0	3.1	3.2
24	2.8	2.8	2.9	2.9	3.3	e3.0	e3.2	3.4	3.5	3.1	3.0	3.2
25	2.8	2.8	2.9	3.0	3.3	e3.1	e3.2	3.4	3.4	3.0	3.2	3.2
26	2.8	2.8	2.9	3.0	3.3	e3.1	e3.3	3.4	3.5	3.1	3.2	3.2
27	2.8	2.8	2.9	3.0	3.3	e3.0	e3.3	3.4	3.5	3.1	3.2	3.1
28	2.8	2.8	2.9	2.9	3.3	e3.1	e3.4	3.4	3.5	3.1	3.2	3.3
29	2.8	2.8	2.9	3.0	---	e3.1	e3.3	3.6	3.4	3.0	3.1	3.2
30	2.8	2.8	3.0	3.0	---	e3.0	e3.4	3.7	3.1	3.0	3.2	3.2
31	2.8	---	2.9	3.0	---	e3.2	---	3.7	---	3.0	3.2	---
TOTAL	86.6	84.9	90.5	92.8	199.8	97.7	96.7	107.8	105.4	97.3	94.9	94.7
MEAN	2.79	2.83	2.92	2.99	7.14	3.15	3.22	3.48	3.51	3.14	3.06	3.16
MAX	3.0	3.4	3.2	3.1	53	3.3	3.4	3.7	3.7	3.4	4.4	3.3
MIN	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.3	3.1	3.0	2.9	3.1
AC-FT	172	168	180	184	396	194	192	214	209	193	188	188

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1995, BY WATER YEAR (WY)

	3.35	3.01	3.44	3.29	4.18	5.05	4.94	3.02	2.88	3.02	2.98	3.00
MEAN	3.35	3.01	3.44	3.29	4.18	5.05	4.94	3.02	2.88	3.02	2.98	3.00
MAX	10.6	3.87	7.72	10.4	10.8	17.2	24.2	3.64	3.51	5.12	3.41	3.65
(WY)	1984	1973	1985	1993	1968	1985	1973	1992	1995	1992	1987	1976
MIN	2.59	2.62	2.63	2.32	2.49	2.41	2.33	2.66	2.25	2.45	2.47	2.49
(WY)	1983	1984	1984	1984	1984	1984	1984	1984	1994	1986	1986	1968

SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1966 - 1995

ANNUAL TOTAL	1064.8	1249.1	
ANNUAL MEAN	2.92	3.42	
HIGHEST ANNUAL MEAN			3.51
LOWEST ANNUAL MEAN			5.74
HIGHEST DAILY MEAN	3.7 Mar 20	53 Feb 15	186 Oct 2 1983
LOWEST DAILY MEAN	2.1 Jun 14	2.7 Oct 1	2.0 Aug 1 1977
ANNUAL SEVEN-DAY MINIMUM	2.2 Jun 10	2.7 Oct 1	2.2 Jun 10 1994
INSTANTANEOUS PEAK FLOW		90 Feb 14	b660 Oct 2 1983
INSTANTANEOUS PEAK STAGE		2.40 Feb 14	a3.90 Oct 2 1983
INSTANTANEOUS LOW FLOW		2.4 Sep 18	1.1 Jul 22 1969
ANNUAL RUNOFF (AC-FT)	2110	2480	2540
10 PERCENT EXCEEDS	3.3	3.5	3.5
50 PERCENT EXCEEDS	2.9	3.1	3.0
90 PERCENT EXCEEDS	2.4	2.8	2.6

e Estimated

a-In gage well, 4.23 ft from floodmarks.

b-From rating curve extended above 80 ft/s on basis of slope-area measurements at gage heights 3.13 ft and 3.90.

GILA RIVER BASIN

09444000 SAN FRANCISCO RIVER NEAR GLENWOOD, NM

LOCATION.--Lat 33°14'48", long 108°52'47", in NE¼NW¼ sec.23, T.12 S., R.20 W., Catron County, Hydrologic Unit 15040004, on left bank 0.2 mi upstream from hot springs, 5 mi south of Glenwood, 6 mi downstream from Whitewater Creek, and at mile 511.5.

DRAINAGE AREA.--1,653 mi².

PERIOD OF RECORD.--October 1927 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1931, 1934, 1936-37, 1940-42, 1943-44(M), 1945-47. WSP 1283: Drainage area. WDR NM-78-1: 1977. WDR NM-79-1: 1973, 1975-77 (P).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,560 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Feb. 15, 1934, at site 4.5 mi upstream at datum 98.82 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 2,000 acres upstream from station. Gage height and rain gage satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Major floods probably occurred Jan. 19 and Oct. 14, 1916 when discharges of 60,000 ft³/s or greater were computed for station at Clifton, AZ. On Nov. 26, 1905, a peak of 25,000 ft³/s was measured (by float-area method) at station at Alma (about 12 mi upstream, drainage area, 1,560 mi²); a similar measurement of 21,000 ft³/s was made at the Alma station for peak of Dec. 3, 1906.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	25	e62	83	138	402	96	50	37	32	19	33
2	25	25	e64	82	134	393	96	63	38	29	17	35
3	25	52	e62	79	148	393	93	70	38	29	18	33
4	26	65	e65	82	176	373	90	71	36	28	18	30
5	25	61	e97	1720	209	346	85	70	34	29	18	27
6	21	54	e2820	976	231	368	81	69	35	27	19	26
7	22	49	1290	467	236	559	79	67	32	28	21	25
8	19	49	679	345	235	604	76	66	32	26	21	24
9	17	49	473	395	235	520	74	59	35	23	20	33
10	16	50	361	381	242	441	75	53	36	26	17	73
11	19	69	290	382	246	375	78	48	33	23	24	36
12	21	5460	239	488	229	350	75	46	30	23	24	32
13	23	e2570	204	572	214	372	73	46	30	23	28	28
14	45	e754	177	459	240	345	74	48	29	25	23	28
15	82	e418	155	382	e1830	307	73	52	29	28	22	29
16	55	297	139	379	e2120	282	73	53	31	27	21	29
17	84	231	128	357	1070	263	74	59	34	27	24	27
18	74	185	119	e272	764	254	75	61	32	25	25	28
19	57	155	114	e256	628	253	81	60	34	25	26	25
20	47	134	108	e233	519	250	79	57	30	24	24	25
21	41	123	101	e216	456	242	76	56	29	23	24	26
22	39	111	97	e199	421	240	73	55	30	25	24	23
23	36	104	96	e180	417	230	73	54	30	20	23	25
24	34	102	93	e161	419	219	71	52	29	20	23	25
25	32	102	90	145	434	202	66	51	30	19	30	21
26	31	102	97	228	468	181	60	47	30	18	31	21
27	32	100	92	343	462	165	56	42	29	18	32	18
28	32	e68	89	245	430	147	58	40	30	19	51	55
29	33	e65	87	197	---	134	54	41	30	21	77	63
30	31	e62	87	167	---	123	50	38	32	18	37	50
31	31	---	87	150	---	112	---	36	---	17	35	---
TOTAL	1097	11691	8662	10621	13351	9445	2237	1680	964	745	816	953
MEAN	35.4	390	279	343	477	305	74.6	54.2	32.1	24.0	26.3	31.8
MAX	84	5460	2820	1720	2120	604	96	71	38	32	77	73
MIN	16	25	62	79	134	112	50	36	29	17	17	18
AC-FT	2180	23190	17180	21070	26480	18730	4440	3330	1910	1480	1620	1890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

	MEAN	86.8	50.1	89.6	104	133	200	147	78.4	29.1	37.8	77.2	59.6
MAX	2026	520	1068	1568	1034	1036	1049	593	146	108	392	368	
(WY)	1984	1979	1979	1993	1993	1985	1973	1973	1992	1930	1957	1988	
MIN	9.77	10.8	12.9	13.5	14.9	11.3	10.2	8.65	5.70	13.2	13.7	7.66	
(WY)	1966	1957	1954	1956	1956	1959	1957	1956	1956	1963	1960	1956	

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	33440		62262			
ANNUAL MEAN	91.6		171		90.9	
HIGHEST ANNUAL MEAN					351	
LOWEST ANNUAL MEAN					13.9	
HIGHEST DAILY MEAN	5460	Nov 12	5460	Nov 12	27500	Oct 2 1983
LOWEST DAILY MEAN	16	Jul 16	16	Oct 10	2.5	Jun 25 1956
ANNUAL SEVEN-DAY MINIMUM	19	Jul 11	18	Jul 30	3.9	Jun 22 1956
INSTANTANEOUS PEAK FLOW			9530	Nov 12	37100	Oct 2 1983
INSTANTANEOUS PEAK STAGE			12.26	Nov 12	18.15	Oct 2 1983
INSTANTANEOUS LOW FLOW			13	Oct 8	1.5	Dec 3 1906
ANNUAL RUNOFF (AC-FT)	66330		123500		65880	
10 PERCENT EXCEEDS	102		386		178	
50 PERCENT EXCEEDS	40		60		32	
90 PERCENT EXCEEDS	23		23		15	

e Estimated

U.S. Geological Survey base

07 LOWER MISSISSIPPI RIVER BASIN NUMBER
08 WESTERN GULF OF MEXICO BASIN NUMBER
09 COLORADO RIVER BASIN NUMBER

4051 ☒ CREST-STAGE STATION AND ABBREVIATED NUMBER--
Complete national station number is: 08 405100

Basin number + station number

RIVER BASIN BOUNDARY

Figure 7.--Location of partial-record stations.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in floodflow analyses. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in the second table.

Crest-stage partial-record stations

The following table contains annual maximum discharge for crest-stage stations. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each year is given. Information on some lower floods may have been obtained, and discharge measurements made for purposes of establishing the stage-discharge relation, but these are not published herein. The year given in the period of record column represents the first year of a period extending through the current year unless otherwise noted. For some stations, publication of discharge is delayed pending definition of stage-discharge relationship. Published maximums are for water years.

Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum		Period of record maximum			
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
ARKANSAS RIVER BASIN								
Carrizozo Creek near Kenton, OK. (07154400)	Lat 36°52'55", long 103°01'05", Union County, Hydrologic Unit 11040001, under bridge on New Mexico State Highway 406; 4 mi southwest of Kenton, OK. Drainage area is 111 mi2.	1953-	05-29-95	4.06	1,050	07-06-58	12.22	15,600
Raton Creek at Raton. (07201000)	Lat 36°55'38", long 104°26'22", Colfax County, Hydrologic Unit 11080001, 60 ft upstream from bridge on State Highway 72 at Raton. Drainage area is 14.4 mi2.	1953-	05-29-95	2.48	710	06-17-65	14.80	3,990
Chicorica Creek tributary near Raton. (07201200)	Lat 36°49'41", long 104°19'58", Colfax County, Hydrologic Unit 11080001, upstream from culvert on U.S. Highway 64-87, 7.7 mi southeast of Raton. Drainage area is 5.18 mi2.	1971-	05-29-95	5.34	98	08-05-82	18.30	1,340
Clear Creek near Ute Park. (07206400)	Lat 36°31'35", long 105°10'30", Colfax County, Hydrologic Unit 11080002, 0.25 mi upstream from mouth, and 4 mi southwest of Ute Park. Drainage area is 7.44 mi2.	1962-67* 1968-	05-29-95	2.57	57	06-18-65	3.05	151
Dog Creek near Shoemaker. (07220900)	Lat 36°49'32", long 104°53'28", Mora County, Hydrologic Unit 11080004, 0.5 mi upatream from Valmora-Shoemaker road, and 1.8 mi northwest of Shoemaker. Drainage area is 18.4 mi2.	1954-95g	06-19-95	8.01	680	07-08-82	14.90	7,180
Lagartija Creek tributary near Sanchez. (07221600)	Lat 35°39'21", long 104°24'57", San Miguel County, Hydrologic Unit 11080003, at bridge on State Highway 419; 0.9 mi northeast of Sanchez. Drainage area is 1.19 mi2.	1961-	05-29-95	1.97	125	05-11-94	5.83	1,500
Trementina Creek at Trementina. (07222300)	Lat 35°29'28", long 104°24'59", San Miguel County, Hydrologic Unit 11080005, at bridge on State Highway 419; at Trementina. Drainage area is 63.9 mi2.	1959-	05-29-95	4.61	(+)	09-11-65	12.00	14,100

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum		Period of record maximum				
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)	
ARKANSAS RIVER BASIN -- Continued									
Garita Creek tributary near Variadero. (07222800)	Lat 35°20'10", long 104°21'50", San Miguel County, Hydrologic Unit 11080005, 1.2 mi upstream from mouth, and 6.3 mi southeast of Variadero. Drainage area is 23.0 mi2.	1971-	08-30-95	8.53	550	08-29-77	17.37	7,020	
Pajarito Creek at Newkirk. (07225000)	Lat 35°04'20", long 104°14'50", Guadalupe County, Hydrologic Unit 11080006, downstream side of bridge on old U.S. Highway 66, 1 mi east of Newkirk. Drainage area is 55.0 mi2.	1954-95g	07-16-95	7.44	2,900	09-16-62	8.09	3,550	
Bluewater Creek near Tucumcari. (07225300)	Lat 35°08'31", long 103°47'32", Quay County, Hydrologic Unit 11080006, in Tucumcari Metropolitan Park, 1,600 ft north of the park's southern boundary, and 4.8 mi southwest of Tucumcari. Drainage area is 15.2 mi2.	1971-	09-10-95 05-11-94 06-22-93	8.34 9.88 8.69(h)	710 1,450(h) 800(h)	08-11-81	12.71	2,350	
Bueyeros Creek at Bueyeros. (07226200)	Lat 35°58'10", long 103°41'05", in E1/2 sec.7, T.20 N., R.31 E., Harding County, Hydrologic Unit 11080007, on right upstream wingwall of culvert on State Road 102 at Bueyeros. Drainage area is 33.4 mi2.	1957-	- -95	<3.52	<275	07-17-72	12.77	5,800	
Carrizo Creek near Roy. (07226300)	Lat 36°02'58", long 103°57'48", Harding County, Hydrologic Unit 11080007, 800 ft down- stream from State Highway 120, and 15 mi northeast of Roy. Drainage area is a68 mi2.	1954-	08-13-95	4.56	560	08-11-81	7.11	1,800	
Plaza Larga Creek tributary near Ragland. (07227050)	Lat 34°48'29", long 103°45'35", Quay County, Hydrologic Unit 11080008, at culvert on State Highway 209, 1.2 mi northwest of Ragland. Drainage area is 0.36 mi2.	1952-	07-16-95	6.30	142	07-16-58	12.70	1,170	
Arroyo del Puerto near Endee. (07227150)	Lat 35°03'32", long 103°06'04", Quay County, Hydrologic Unit 11090101, at bridge on State Highway 93, 5.4 mi south of Endee. Drainage area is a25 mi2.	1961-	09-10-95	4.29	110	08-10-91	9.19	1,450	
Tramperos Creek near Stead. (07227200)	Lat 36°04'15", long 103°12'10", in NW1/4 sec.10, T.21 N., R.35 E., Union County, Hydrologic Unit 11090102, at bridge on State Highway 402, 2.1 mi south of Stead, and 26 mi south of Clayton. Drainage area is a556 mi2.	1966-73* 1974-	07-17-95	7.20	1,040	10-17-65	16.5	12,300	
Sand Draw tributary near Clayton. (07227295)	Lat 36°23'20", long 103°19'05", Union County, Hydrologic Unit 11090103, upstream from culvert on U.S. Highway 56, 8 mi southwest of Clayton. Drainage area is 1.25 mi2.	1952-	- -95	---	(k)	07-16-56	7.33	388	

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations
ARKANSAS RIVER BASIN -- Continued

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
Sand Draw near Clayton. (07227300)	Lat 36°20'30", long 103°11'30", Union County, Hydrologic Unit 11090103, on downstream side of bridge on State Highway 402, 7.5 mi south of Clayton. Drainage area is 442 mi2.	1953-	- -95*	<2.43	<320	10-16-95	5.59	3,500
			05-18-55	1.20	165(h)			
			08-04-57	3.93	1,650(h)			
			07-05-58	4.07	1,750(h)			
			08- -59	1.26	185(h)			
			09-08-60	1.85	360(h)			
			08- -61	1.60	270(h)			
			- -62	1.50	240(h)			
			08- -63	2.10	450(h)			
			08-07-64	3.37	1,150(h)			
			06-17-65	4.17	1,800(h)			
			10-16-65	5.59	3,500(h)			
			09-26-66	1.34	200(h)			
			- -67	<1.04	<140(h)			
			- -68	<1.04	<140(h)			
			- -69	<1.04	<140(h)			
			07-20-70	2.78	440(h)			
			07-19-71	2.09	220(h)			
			09-08-72	2.41	310(h)			
			08-03-73	1.38	85(h)			
			08-03-74	2.52	350(h)			
			07-06-75	3.01	540(h)			
			09-27-76	2.25	260(h)			
			05-14-77	2.96	500(h)			
			05-23-78	3.84	1,030(h)			
			07-15-79	3.49	760(h)			
			07-27-81	1.93	180(h)			
			- -83	<2.43	<320(h)			
			- -86	<2.43	<320(h)			
			08-03-91	3.02	550(h)			
			05-20-94(h)	2.80	450			
BRAZOS RIVER BASIN								
Blackwater Draw tributary near Floyd. (08079300)	Lat 34°14'52", long 103°44'51", Roosevelt County, Hydrologic Unit 12050001, 0.5 mi down- stream from section road, and 10 mi west of Floyd. Drainage area is 110 mi2.	1963-	09-17-95	0.61	11	- -69	5.96	3,400
Running Water Draw near Clovis. (08080600)	Lat 34°31'55", long 103°12'05", Curry County, Hydrologic Unit 12050005, 0.25 mi upstream from State Highway 209; and 8 mi north of Clovis. Drainage area is 109 mi2.	1953-56 1957-64* 1965-	09-17-95	3.75	570	07-24-72	---	8,000
RIO GRANDE BASIN								
Canjilon Creek above Abiquiu Reservoir. (08286650)	Lat 36°18'55", long 106°29'05", Rio Arriba County, Hydrologic Unit 13020102, in Piedra Lumbre Grant, 300 ft upstream from bridge on U.S. Highway 84, 0.2 mi northwest of entrance to Ghost Ranch, and about 12 mi northwest of Abiquiu. Drainage area is 144 mi2.	1965-95g	05-17-95	3.28	295	07-23-70	8.10	2,450
Arroyo Seco tributary near Pojoaque. (08293700)	Lat 35°56'33", long 106°01'12", Santa Fe County, Hydrologic Unit 13020101, upstream from culvert on U.S. Highway 84-285, 3.5 mi north of Pojoaque. Drainage area is 0.72 mi2.	1971-	- -95	---	(k)	07-28-74	10.62	508

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
RIO GRANDE BASIN								
Bland Canyon near Cochiti Pueblo. (08313400)	Lat 35°42'11", long 106°24'56", Sandoval County, Hydrologic Unit 13020201, 200 ft south of Forest Service Road, 0.3 mi inside Santa Fe National Forest, and 7.5 mi north of Cochiti Pueblo. Drainage area is 7.57 mi2.	1962-	09-07-95	1.40	8.3	08-10-85	3.54	243
Galisteo Creek at Canoncito. (08317500)	Lat 35°33'02", long 105°49'20", Santa Fe County, Hydrologic Unit 13020201, upstream from railroad bridge, 0.2 mi upstream from Apache Canyon at Canoncito. Drainage area is 11.3 mi2.	1955-56 1959-95g	- -95	<2.66	<615	08-23-66	5.35	2,000
San Cristobal Arroyo near Galisteo. (08317600)	Lat 35°22'55", long 105°51'05", Santa Fe County, Hydrologic Unit 13020201, at bridge on U.S. Highway 285, 5.5 mi east of Galisteo. Drainage area is 116 mi2.	1955-95g	07-19-95	6.16	(+)	08-17-61	13.34	9,500
Canada de la Cueva near Galisteo. (08317720)	Lat 35°26'13", long 106°00'45", Santa Fe County, Hydrologic Unit 13020201, 6.4 mi east of Cerrillos, and 4.8 mi northwest of Galisteo. Drainage area is 1.81 mi2.	1970-	05-29-95	2.38	62	09-18-82	4.78	919
San Pedro Creek near Golden. (08318900)	Lat 35°13'45", long 106°18'00", Sandoval County, Hydrologic Unit 13020201, 1 mi down- stream from bridge on State Highway 14, and 5.5 mi southwest of Golden. Drainage area is 45.2 mi2.	1953-95g	07-19-95	-0.36	<80	09-24-55	12.45	10,800
Juan Toro Canyon near Miera. (08330400)	Lat 35°00'57", long 106°20'14", Bernalillo County, Hydrologic Unit 13020203, 150 ft east of State Highway 337, 1 mi south- east of Cedro, and 4.5 mi northwest of Miera. Drainage area is 1.57 mi2.	1959-	11-12-94	0.83	10	07-20-71	1.33	44
Tijeras Arroyo at Albuquerque. (08330500)	Lat 35°03'40", long 106°28'40", Bernalillo County, Hydrologic Unit 13020203, 300 ft south of old U.S. Highway 66, and 0.4 mi southeast of city limits of Albuquerque. Drainage area is 75.3 mi2.	1943-48* 1958-95g	09-07-95	3.92	2,550	06-24-67	6.85	6,500
Belen Highline Canal tributary near Los Lunas. (08331100)	Lat 30°49'20", long 106°49'10", Valencia County, Hydrologic Unit 13020203, upstream from culvert on State Highway 6, 5.0 mi west of Los Lunas. Drainage area is 0.16 mi2.	1952-53 1955-95g	09-07-95	6.08	340	07-11-65	9.52	754
Canada Montoso near Scholie. (08331650)	Lat 34°23'11", long 106°28'37", Socorro County, Hydrologic Unit 13020203, 130 ft upstream from dip on abandoned highway, 500 ft upstream from bridge on U.S. Highway 60, and 3.6 mi southwest of Scholie. Drainage area is 35 mi2.	1961-95g	08-18-95	3.29	940	08-09-67	7.02	4,700

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum		Dis- charge (ft ³ /s)	Period of record maximum		Dis- charge (ft ³ /s)
			Date	Gage height (ft)		Date	Gage height (ft)	
RIO GRANDE BASIN -- Continued								
Pine Canyon near Thoreau. (08341370)	Lat 35°18'34", long 108°10'14", McKinley County, Hydrologic Unit 13020207, about 1 mi southwest of the north end of Bluewater Lake, and about 7 mi southeast of Thoreau. Drainage area is 6.09 mi2.	1969-	02-15-95	2.55	74	08-27-93	3.56	195
Encinal Creek near Casa Blanca. (08348500)	Lat 35°08'35", long 107°27'55", Cibola County, Hydrologic Unit 13020207, 1.8 mi north of village of Encinal, and 6.8 mi north of Casa Blanca. Drainage area is 6.19 mi2.	1937-39* 1959-95g	- -95	<1.31	<11	09-09-67	11.50	4,330
La Jencia Creek near Magdalena. (08353500)	Lat 34°09'45", long 107°12'35", Socorro County, Hydrologic Unit 13020209, 3.5 mi north- east of Magdalena. Drainage area is 195 mi2.	1957-95g	07-16-95	0.64	22	09- -62	10.85	4,830
Chupadera Wash tributary at Bingham. (08358600)	Lat 33°51'39", long 106°22'06", Socorro County, Hydrologic Unit 13020210, 75 ft upstream from culvert on U.S. Highway 380, and 0.1 mi west of Bingham. Drainage area is 1.29 mi2.	1961-	- -95	---	(k)	09-10-80	4.75	620
San Jose Arroyo near Monticello. (08359300)	Lat 33°28'05", long 107°14'30", Sierra County, Hydrologic Unit 13020211, at head of box canyon just downstream from major tributary, 800 ft downstream from culvert on old U.S. Highway 85, and 13 mi northeast of Monticello. Drainage area is 26.9 mi2.	1959-	09-18-95	4.71	3,380	06-10-88	6.09	5,070
Alamosa Creek near Monticello. (08360000)	Lat 33°34'09", long 107°35'33", Socorro County, Hydrologic Unit 13020211, on left bank at Alamosa damsite and downstream from Old Fort Ojo Caliente, just downstream from Wildhorse Creek, 15 mi northwest of Monticello. Drainage area is 403 mi2.	1931-42* 1956-58 1958-71* 1973-95g	09-18-95	3.95	490	08-13-64	14.04	10,800
Percha Creek near Kingston. (08361650)	Lat 32°55'05", long 107°38'55", Sierra County, Hydrologic Unit 13030101, at bridge on State Highway 152, 3.3 mi east of Kingston. Drainage area is 21.5 mi2.	1953-95g	09-18-95	3.88	450	09-03-72	15.80	3,740
Percha Creek near Hillsboro. (08361700)	Lat 32°54'55", long 107°36'05", Sierra County, Hydrologic Unit 13030101, 150 ft south of State Highway 152, and 2 mi west of Hillsboro. Drainage area is 35.4 mi2.	1957-78 1980-95g	11-12-94	4.62	1,350	09-03-72	11.70	12,200
Rio Grande tributary near Radium Springs. (08363100)	Lat 32°30'05", long 106°57'05", Dona Ana County, Hydrologic Unit 13030102, upstream from culvert on State Highway 185, 120 ft upstream from mouth, and 1.4 mi west of Radium Springs. Drainage area is 0.40 mi2.	1955-	12-06-94	4.96	107	08-24-59	8.20	332

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
RIO GRANDE BASIN -- Continued								
Aleman Draw at Aleman. (08363200)	Lat 33°00'00", long 107°00'20", Sierra County, Hydrologic Unit 13030103, on Santa Fe Railroad bridge, 140 ft upstream from dip on Engle-Rincon road, and 0.26 mi west of Aleman. Drainage area is 25.5 mi2.	1959-	09-18-95	2.19	138	08-07-67	19.10	16,400
Tecolote Creek at Tecolote. (08379300)	Lat 35°27'20", long 105°16'55", San Miguel County, Hydrologic Unit 13060001, on bridge on old U.S. Highway 85 at Tecolote. Drainage area is 122 mi2.	1954-	06-19-95	5.73	670	08-17-61	12.92	12,300
Sandoval Canyon at Gallinas. (08380300)	Lat 35°41'19", long 105°21'17", San Miguel County, Hydrologic Unit 13060001, about 500 ft upstream from culvert on State Highway 65, at north edge of Gallinas. Drainage area is 7.6 mi2.	1957- 1961-	10-15-94	1.39	52	08-01-66	5.26	2,530
Pecos River tributary near Pintada. (08382900)	Lat 34°58'06", long 105°05'38", Guadalupe County, Hydrologic Unit 13060001, in Anton Chico Grant, 1,500 ft south of Interstate Highway 40, and 6.8 mi north of Pintada. Drainage area is 16.0 mi2.	1961-	07-19-95	(e)	(+)	07-19-71	4.80	6,600
Pecos River tributary near Puerto de Luna. (08383370)	Lat 34°52'35", long 104°38'16", Guadalupe County, Hydrologic Unit 13060001, 25 ft upstream from culvert on State Highway 91, and 3.1 mi north of Puerto de Luna. Drainage area is 0.37 mi2.	1961-	09-10-95	7.78	144	08-23-87	15.89	2,000
Alamosa Creek tributary near Jordan. (08385530)	Lat 34°47'44", long 103°58'07", Quay County, Hydrologic Unit 13060004, 500 ft upstream from dip on State Highway 156, and 6.9 mi west of Jordan. Drainage area is 9.71 mi2.	1962-	07-16-95	1.35	4.5	07-11-72	6.86	2,850
Yeso Creek near Fort Summer. (08385600)	Lat 34°16'32", long 104°17'28", De Baca County, Hydrologic Unit 13060003, at abandoned bridge 1 mi downstream from State Highway 20, and 14.5 mi south of Fort Summer. Drainage area is 242 mi2.	1937-95g	07-31-95	2.88	1,110	10-07-54	11.60	14,800
Aragon Creek tributary near Encinosa. (08385670)	Lat 33°43'35", long 105°31'43", Lincoln County, Hydrologic Unit 13060005, 0.3 mi upstream from wooden bridge on dirt road, 1.2 mi north of State Highway 246, and 4.3 mi west of Encinosa. Drainage area is 6.07 mi2.	1961-	07-02-95	4.06	620	09-06-61	5.10	1,610
Salt Creek tributary near Roswell. (08385900)	Lat 33°32'22", long 104°31'08", Chavez County, Hydrologic Unit 13060005, at culvert on U.S. Highway 285, 4.7 mi north of junction of U.S. Highways 70 and 285, and 10 mi north of Roswell. Drainage area is 0.04 mi2.	1952-	10-07-94	1.61	24	06-11-77	3.75	73

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
RIO GRANDE BASIN -- Continued								
Rio Bonito near Fort Stanton. (08389000)	Lat 33°31'05", long 105°29'10", Lincoln County, Hydrologic Unit 13060008, at bridge on U.S. Highway 380, 2.5 mi northeast of Fort Stanton. Drainage area is 85 mi2.	1955-95g	07-17-95	4.32	430	05-17-79	7.20	4,100
Rio Bonito tributary near Fort Stanton. (08389060)	Lat 33°31'15", long 105°28'05", Lincoln County, Hydrologic Unit 13060008, at culvert on U.S. Highway 380, 150 ft upstream from mouth, and 3.5 mi northeast of Fort Stanton. Drainage area is 0.72 mi2.	1955-	- -95	---	(k)	09-30-82	6.40	512
Rio Hondo tributary at Tinnie. (08390050)	Lat 33°22'36", long 105°13'01", Lincoln County, Hydrologic Unit 13060008, upstream from culvert on U.S. Highway 70-380, 0.5 mi east of junction of U.S. Highway 70-380 and State Highway 368, and at Tinnie. Drainage area is 0.23 mi2.	1971-	09-08-95	3.38	16	09-07-72	10.80	420
Gallo Canyon near Picacho. (08390150)	Lat 33°17'23", long 105°10'49", Lincoln County, Hydrologic Unit 13060009, 500 ft east of road, 5 mi south of Picacho. Drainage area is 1.32 mi2.	1962-	09-08-95	2.69	(+)	09-10-73	9.19	2,400
Pancho Canyon near Arabela. (08393700)	Lat 33°30'36", long 105°11'38", Lincoln County, Hydrologic Unit 13060008, 200 ft down- stream from dip on State Highway 368, and 5.6 mi south of Arabela. Drainage area is 16.7 mi2.	1962-	- -95	---	(k)	08-10-65	5.49	1,700
Eight Mile Draw near Roswell. (08393900)	Lat 33°24'05", long 104°37'54", Chavez County, Hydrologic Unit 13060008, 6.5 mi west of Roswell. Drainage area is 397 mi2.	1941 1952-	06-29-95	14.54	1,800	07-13-91	17.80	10,300
Twin Butte Canyon tributary near Roswell. (08394300)	Lat 33°10'34", long 104°51'30", Chavez County, Hydrologic Unit 13060009, about 0.1 mi upstream from mouth, and about 22 mi southwest of Roswell. Drainage area is 5.01 mi2.	1968-	09-08-95 07-10-69 07-31-71 09-11-72 09-22-74 10-23-74 09-09-76 06-27-78 09-09-80 08- -81 08-08-84 06-25-86 07-07-88 08-27-89 07-13-90 07-13-91 05-22-92 07-14-93 08-20-94	9.60 1.56 7.63 4.93 3.84 5.79 1.54 4.73 4.52 2.25 3.84 7.75 4.64 3.44 3.67 5.98 3.06 2.55 2.78	5,900 1(h) 3,340(h) 950(h) 373(h) 1,570(h) 11(h) 825(h) 704(h) 43(h) 373(h) 3,480(h) 772(h) 223(h) 305(h) 1,720(h) 114(h) 60(h) 75(h)	09-08-95	9.60	5,900
Curtis Canyon near Mayhill. (08397390)	Lat 32°51'52", long 105°31'05", Otero County, Hydrologic Unit 13060010, 0.26 mi upstream from SCS dam, 0.4 mi west of State Highway 130, and 2.5 mi southwest of Mayhill. Drainage area is 10.3 mi2.	1959-95g	07-01-95	-1.29	72	06-18-65	3.78	640
Hyatt Canyon near Cloudcroft. (08397400)	Lat 32°56'06", long 105°37'37", Otero County, Hydrologic Unit 13060010, 0.5 mi south of U.S. Highway 82, and 7 mi east of Cloudcroft. Drainage area is 3.08 mi2.	1953-	- -95	---	(k)	10-23-92	1.63	88

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
RIO GRANDE BASIN -- Continued								
Rio Penasco near Dunken. (08397600)	Lat 33°52'55", long 105°10'40", Chavez County, Hydrologic Unit 13060010, on bridge on State Highway 24, 5 mi north of Dunken. Drainage area is 583 mi2.	1952-56 1956-62* 1963-95g	06-19-95	8.83	1,380	07-06-58	13.36	10,200
Last Chance Canyon tributary near Carlsbad Caverns. (08405050)	Lat 32°17'30", long 104°36'20", Eddy County, Hydrologic Unit 13060011, upstream from culvert on State Highway 137, 0.1 mi north of road to Sitting Bull Falls, and 12.5 mi northwest of Carlsbad Caverns. Drainage area is 0.2 mi2.	1959-	06-20-95	1.47	24	08-23-66	7.77	683
Mosley Canyon near Whites City. (08405100)	Lat 32°15'27", long 104°22'43", Eddy County, Hydrologic Unit 13060011, 600 ft downstream from dip on Dark Canyon Road, and 5.5 mi north of Whites City. Drainage area is 14.6 mi2.	1959-	09-08-95	6.78	2,800	05-30-65	13.70	16,400
Antelope Draw near Jal. (08436000)	Lat 32°09'18", long 103°21'51", Lea County, Hydrologic Unit 13070007, 0.4 mi south of State Highway 128, and 10.7 mi west of Jal. Drainage area is 20 mi2.	1963-	09-14-95	3.75	235	07-30-94	4.85	530
MIMBRES BASIN								
Silva Creek at Silver City. (08477580)	Lat 32°46'41", long 108°16'41", Grant County, Hydrologic Unit 13030202, 190 ft upstream from Twelfth Street bridge in Silver City. Drainage area is 10.0 mi2.	1958-	11-11-94	3.20	830	08-11-60	6.01	2,670
Pinos Altos Creek at Silver City. (08477590)	Lat 32°46'52", long 108°16'04", Grant County, Hydrologic Unit 13030202, downstream from U.S. Highway 180 in Silver City. Drainage area is 4.63 mi2.	1958-	- -95	<0.78	<50	09-03-72	4.09	3,700
Cameron Creek at Central. (08478000)	Lat 32°47'38", long 108°08'58", Grant County, Hydrologic Unit 13030202, 0.5 mi upstream from culvert on U.S. Highway 180, at north edge of Central. Drainage area is 18.8 mi2.	1954-95g	- -95	<5.30	<1,450	08-28-59	7.30	2,200
Mimbres River at Deming. (08478500)	Lat 32°17'00", long 107°45'35", Luna County, Hydrologic Unit 13030202, culvert on U.S. Highway 180, at north end of Deming. Drainage area is 1,370 mi2.	1954-79 1983-	12-05-94	9.34	1,600	10-20-72	6.68	2,690
Mimbres basin tributary near Florida. (08478600)	Lat 32°21'30", long 107°37'30", Luna County, Hydrologic Unit 13030202, upstream from culvert on State Highway 26, and 5 mi southwest of Florida. Drainage area is 0.55 mi2.	1959-	09-15-95	2.51	173	06-14-91	4.74	480
Seventysix Draw tributary near Waterloo. (08478800)	Lat 31°56'34", long 107°44'38", Luna County, Hydrologic Unit 13030202, upstream from culvert on State Road 11, 3.9 mi southeast of Waterloo, and 7.9 mi north of Columbus. Drainage area is 0.2 mi2.	1967-	11-11-94	2.94	48	08-04-67	7.30	222

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
PLAYAS BASIN								
Deer Creek tributary near Antelope Wells. (08479300)	Lat 31°23'00", long 108°42'15", Hidalgo County, Hydrologic Unit 13030201, 0.1 mi downstream from dip on State Highway 81, 2.5 mi east of San Luis Pass, and 12 mi west of Antelope Wells. Drainage area is 4.3 mi2.	1959-95g	11-11-94	1.79	255	08-05-60	4.59	1,680
TULAROSA BASIN								
White Oaks Canyon near Carrizozo. (08480150)	Lat 33°43'51", long 105°50'11", Lincoln County, Hydrologic Unit 13050003, 100 ft upstream from culvert on U.S. Highway 54, 6 mi north of Carrizozo. Drainage area is 31 mi2.	1959- 1961-	09-28-95	4.59	1,770	07-26-59	14.30	7,690
Nogal Creek tributary near Nogal. (08480170)	Lat 33°34'54", long 105°41'10", Lincoln County, Hydrologic Unit 13050003, upstream from culvert on U.S. Highway 380, about 2.0 road mi west of Indian Divide, 7 mi northwest of Capitan, and 2 mi north of Nogal. Drainage area is 1.94 mi2.	1968-	09-28-95	3.11	31	08-10-77	8.45	655
TULAROSA BASIN -- Continued								
Taylor Canyon tributary near Bingham. (08480200)	Lat 33°48'11", long 106°12'00", Socorro County, Hydrologic Unit 13050003, 200 ft north of U.S. Highway 380, and 12 mi southeast of Bingham. Drainage area is 2.66 mi2.	1961-	- -95	---	(k)	08-12-61	2.39	551
Indian Creek near Three Rivers. (08480700)	Lat 33°22'10", long 105°53'25", Otero County, Hydrologic Unit 13050003, 150 ft upstream from diversion dam, and 12 mi east of Three Rivers. Drainage area is 6.8 mi2.	1956-58* 1959-	09-28-95	6.65	560	07-14-91	12.08	3,000
ESTANCIA BASIN								
Estancia Valley tributary at Cedar Grove. (08488000)	Lat 35°10'05", long 106°10'08", Santa Fe County, Hydrologic Unit 13050001, 50 ft upstream from culvert on State Highway 344, 0.1 mi south of Cedar Grove. Drainage area is 1.21 mi2.	1955- 1961-	07-17-95	7.16	(+)	07-11-77	7.92	144
Juan Tomas Canyon near Edgewood. (08488100)	Lat 35°04'35", long 106°13'46", Santa Fe County, Hydrologic Unit 13050001, 140 ft upstream from culvert on Interstate Highway 40, 2.5 mi northwest of Edgewood. Drainage area is a20 mi2.	1962-	- -95	---	(k)	08-01-89	2.48	150
Osita Draw near Clines Corners. (08488200)	Lat 35°00'18", long 105°48'00", Torrance County, Hydrologic Unit 13050001, 100 ft upstream from culvert on Interstate Highway 40, 7.5 mi west of Clines Corners. Drainage area is a10 mi2.	1961-95g	09-08-95	4.00	680	06-09-69	7.41	2,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum		Period of record maximum				
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)	
ESTANCIA BASIN									
Canon de Torreon at Torreon. (08488500)	Lat 34°43'20", long 106°17'50", Torrence County, Hydrologic Unit 13050001, at culvert on State Highway 55, in Torreon. Drainage area is 18.2 mi2.	1954-	09-08-95	1.91	580	08-09-67	4.23	4,310	
Arroyo del Cuervo near Torreon. (08488600)	Lat 34°41'35", long 106°18'27", Torrence County, Hydrologic Unit 13050001, in Town of Torreon Grant, about 0.3 mi upstream from culvert on State Highway 55, and 2 mi south of Torreon. Drainage area is 11.8 mi2.	1969-95g	09-08-95	1.69	39	10-02-83	5.34	1,320	
Big Draw near Mountainair. (08489000)	Lat 34°18'45", long 106°11'35", Torrence County, Hydrologic Unit 13050001, 0.25 mi upstream from culvert on State Highway 55, and 8.4 mi south- east of Mountainair. Drainage area is 4.06 mi2.	1953-	07-19-95	4.15	50	09-25-54	8.68	1,710	
SALT BASIN									
Fleming Draw near Pinon. (08492500)	Lat 32°31'01", long 105°20'42", Otero County, Hydrologic Unit 13050004, 0.2 mi upstream from dip in ranch road, and 7.5 mi south of Pinon. Drainage area is 16.6 mi2.	1959-	- -95	---	(k)	- -69	8.75	5,800	
SAN AGUSTIN PLAINS BASIN									
Swingle Canyon near Datil. (08500000)	Lat 34°11'17", long 107°53'55", Catron County, Hydrologic Unit 13020208, 0.3 mi upstream from U.S. Highway 60, and 4.3 mi northwest of Datil. Drainage area is 6.35 mi2.	1970-72 1976-	- -95	---	(k)	07-16-77	5.73	900	
SAN JUAN RIVER BASIN									
Rio Amargo at Dulce. (09346200)	Lat 36°56'00", long 107°00'00", Rio Arriba County, Hydrologic Unit 14080101, under bridge on U.S. Highway 64, at Dulce. Drainage area is 168 mi2.	1956-95g	11-12-94	6.28	1,080	07-31-68	10.57	2,860	
Ruben Canyon near Gobernador. (09350700)	Lat 36°44'26", long 107°14'33", Rio Arriba County, Hydrologic Unit 14080101, in Carson National Forest, upstream from culvert on U.S. Highway 64, and 6.5 mi east of Gobernador. Drainage area is 5.06 mi2.	1970-	- -95	---	(k)	08-17-88	5.89	380	
Vaqueros Canyon near Gobernador. (09350800)	Lat 36°43'23", long 107°16'47", Rio Arriba County, Hydrologic Unit 14080101, 100 ft east of U.S. Highway 64, and 4.2 mi east of Gobernador. Drainage area is 60.5 mi2.	1956-95g	11-12-94	2.44	92	08-02-65	10.37	2,520	
Gobernador Canyon near Gobernador. (09355700)	Lat 36°41'05", long 107°25'10", San Juan County, Hydrologic Unit 14080101, 0.2 mi south of U.S. Highway 64, and 4 mi southwest of Gobernador. Drainage area is 19.8 mi2.	1956-	03-06-95	1.16	136	08-06-63	9.30	3,450	

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
SAN JUAN RIVER BASIN								
Manzanares Canyon near Turley. (09356400)	Lat 36°44'15", long 107°42'15", San Juan County, Hydrologic Unit 14080101, 600 ft upstream from culvert on U.S. Highway 64, and 4.2 mi east of Turley. Drainage area is 3.20 mi2.	1956-	05-29-95	2.47	460	08-03-69	6.19	2,210
Burro Canyon near Lindrith. (09356520)	Lat 36°16'21", long 107°14'46", Rio Arriba County, Hydrologic Unit 14080103, upstream from culvert on State Highway 537, 11.5 mi west of Lindrith. Drainage area is 9.11 mi2.	1970-	09-09-95	11.95	45	06-29-81	10.87	725
West Draw near Farmington. (09357230)	Lat 36°35'24", long 108°11'03", San Juan County, Hydrologic Unit 14080101, 15 ft upstream from culvert on State Highway 371, 11 mi south of Farmington. Drainage area is 0.32 mi2.	1975-	- -95	<2.64	<17	07-26-76	4.61	74
La Plata River tributary near Farmington. (09367400)	Lat 36°47'10", long 108°13'31", San Juan County, Hydrologic Unit 14080105, about 700 ft upstream from culvert on State Highway 170, and 4.1 mi northwest of Farmington. Drainage area is 1.03 mi2.	1970-	03-02-95	2.13	22	03- -73	4.25	1,130
Stevens Arroyo near Kirtland. (09367550)	Lat 36°45'56", long 108°21'59", San Juan County, Hydrologic Unit 14080105, upstream from gravel road to Young's Lake, 0.6 mi north of El Paso Natural Gas, San Juan Plant, and 2.3 mi north of Kirtland. Drainage area is 4.52 mi2.	1970-	03-02-95	12.23	225	09-06-91	15.09	1,550
Chaco Wash at Chaco Culture National Monument. (09367680)	Lat 36°01'43", long 107°55'04", San Juan County, Hydrologic Unit 14080106, on downstream side of center bridge pier, 800 ft downstream from Fajada Wash, and 0.5 mi southwest of Chaco Culture National Historical Park Visitors Center. Drainage area is 578 mi2.	1976-90* 1991-	08-21-95	6.55	1,240	09-02-88	8.55	1,920
Black Springs Wash near Mexican Springs. (09367900)	Lat 35°45'40", long 108°49'00", McKinley County, Hydrologic Unit 14080106, 2.5 mi south of Mexican Springs, and 17 mi north of Gallup. Drainage area is 7.05 mi2.	1954-78 1979-82* 1983-	08-16-95	4.90	1,150	08-18-55		2,200
Coyote Wash tributary near Naschitti. (09367920)	Lat 36°05'56", long 108°41'48", San Juan County, Hydrologic Unit 14080106, on bridge on U.S. Highway 666, 2.4 mi north of Naschitti, and 39 mi north of Gallup. Drainage area is 12.0 mi2.	1967-	08-21-95	3.93	320	06-29-67	10.80	(+)
Hunter Wash at Bisti Trading Post. (09367930)	Lat 36°16'37", long 108°15'12", San Juan County, Hydrologic Unit 14080106, on right bank upstream from road crossing at Bisti Trading Post. Drainage area is 45.6 mi2.	1975-82* 1983-	09-09-95	3.22	325	08-19-76	6.22	1,570

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES
Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1995 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
SAN JUAN RIVER BASIN -- Continued								
Rattlesnake Arroyo near Shiprock. (09367980)	Lat 36°46'14", long 108°43'32", San Juan County, Hydrologic Unit 14080105, upstream from bridge on U.S. Highway 64, 0.8 mi west of Shiprock. Drainage area is	1980-	09-07-95	6.25	3,800	09-07-95	6.25	3,800
Malpais Arroyo near Shiprock. (09368020)	Lat 36°55'33", long 108°43'26", San Juan County, Hydrologic Unit 14080105, upstream from culvert on U.S. Highway 666, 8.3 mi north of Shiprock. Drainage area is	1980-	11-12-94	0.46	18	09-13-93	2.44	295
LITTLE COLORADO RIVER BASIN								
Largo Creek near Quemado. (09386100)	Lat 34°19'25", long 108°31'40", Catron County, Hydrologic Unit 15020003, on downstream side of bridge on ranch road, 2.5 mi southwest of Quemado. Drainage area is 151 mi2.	1954-95g	- -95	(m)	---	08-06-54	4.70	1,320
Galestena Canyon tributary near Black Rock. (09387050)	Lat 34°58'45", long 108°40'00", McKinley County, Hydrologic Unit 15020004, 100 ft downstream from bridge on State Highway 36, and 10.5 mi southeast of Black Rock. Drainage area is 19 mi2.	1957-	08-16-95	1.61	48	09-05-70	6.40	660
Milk Ranch Canyon near Fort Wingate. (09395400)	Lat 35°25'55", long 108°33'30", McKinley County, Hydrologic Unit 15020006, 0.5 mi downstream from culvert on secondary road between Fort Wingate and McGaffey, and 3 mi south of Fort Wingate. Drainage area is 14.0 mi2.	1949-	02-15-95	1.19	310	- -49	4.20	1,360
GILA RIVER BASIN								
Copperas Canyon near Pinos Altos. (09430300)	Lat 33°04'42", long 108°12'14", Grant County, Hydrologic Unit 15040001, on east side of State Highway 15, and 15 mi north of Pinos Altos. Drainage area is 3.95 mi2.	1963-	11-11-94	2.38	91	08-13-80	4.82	650
Duck Creek at Cliff. (09430900)	Lat 32°58'03", long 108°36'36", Grant County, Hydrologic Unit 15040002, at Cliff 100 ft downstream from bridge on State Highway 211, and 0.6 mi upstream from mouth. Drainage area is 228 mi2.	1957-	11-11-94	11.00	6,800	01-18-93	11.76	7,400
Mangas Creek near Cliff. (09431130)	Lat 32°51'39", long 108°34'01", Grant County, Hydrologic Unit 15040002, on right bank, about 0.5 mi upstream of U.S. Forest Service Road 806, in close proximity to Bill Evans Lake, 7 mi south of Cliff. Drainage area is	1986-	08-04-95	9.26	660	09-07-90	5.04	1,400
Animas Creek near Cloverdale. (09438200)	Lat 31°34'15", long 108°52'30", Hidalgo County, Hydrologic Unit 15040003, near head of small box canyon, 0.1 mi west of State Highway 338, and 11 mi north of Cloverdale. Drainage area is 157 mi2.	1959-95g	11-12-94	6.68	2,100	10-13-74	7.78	3,400

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	<u>Water year 1995 maximum</u>			<u>Period of record maximum</u>		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
GILA RIVER BASIN -- Continued								
Mail Hollow near Luna. (09442630)	Lat 33°47'38", long 108°56'59", Catron County, Hydrologic Unit 15040004, 1,000 ft upstream from culvert on U.S. Highway 180, 2.3 mi south of Luna. Drainage area is 4.20 mi2.	1970-	01-05-95	3.07	68	10-02-83	4.35	264
Trout Creek at Luna. (09442660)	Lat 33°50'50", long 108°59'38", Catron County, Hydrologic Unit 15040004, 500 ft downstream from bridge on Luna-Red Hill road, and 2.6 mi north of Luna. Drainage area is 31.9 mi2.	1954-95g	01-05-95	2.32	300	10-02-83	4.93	2,790
Negro Canyon at Aragon. (09442695)	Lat 33°52'47", long 108°33'08", Catron County, Hydrologic Unit 15040004, upstream from culvert on State Highway 12, at west edge of Aragon. Drainage area is 9.62 mi2.	1958-95g	11-12-94	0.81	88	07-28-59	11.60	5,200
Steins Creek at Steins. (09455800)	Lat 32°13'47", long 109°00'01", Hidalgo County, Hydrologic Unit 15040006, at culvert on Interstate Highway 10, and 0.9 mi west of Steins. Drainage area is 1.26 mi2.	1959-	- -95	<1.64	<62	09-03-65	4.80	317

< Less than.
 + Discharge not yet determined.
 * Operated as continuous-record gaging station.
 a Approximately.
 b Peak too low to register on gage.
 c Estimated.
 d From floodmark.
 e Gage height not determined.

f Contributing area.
 g Discontinued at end of year.
 h Revised.
 j May not have been peak for year.
 k No evidence of any flow during water year.
 m No record.
 n Correction.

Measurements of streamflow at points other than gaging stations are given in the following table.

Discharge Measurements Made at Miscellaneous Sites during Water Year 1995

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
RIO GRANDE BASIN						
La Cienega Stream	Santa Fe River	Lat 35°34'35", long 106°05'45", in SW¼NE¼ sec. 33, T. 16 N., R. 8 E., Santa Fe County, Hydrologic Unit 13020201, 0.5 mi downstream from I-25 bridge, 1.8 mi northeast of Cienega School, 12.1 mi southwest of Santa Fe.	---	1986 1989 1991-	02-03-95 08-18-95 09-20-95	0.65 0.47 0.39
Lea Lake Drain 08394018	Pecos River	Lat 33°18'56", long 104°19'56", in SW¼SE¼SW¼ sec. 34, T. 11 S., R. 26 E., Chaves County, Hydrologic Unit 13060007, on downstream side of road crossing at Bottomless Lakes State Park near Roswell.	---	1976-	10-04-94 01-05-95 04-05-95 07-05-95 08-02-95	8.61 10.0 5.20 13.1 3.95
Blue Springs 08405450	Black River	Lat 32°11'07", long 104°16'50", in SW¼NE¼SW¼ sec. 27, T. 24 S., R. 26 E., Eddy County, Hydrologic Unit 13060011, upstream from all diversions, 5.5 mi east of Whites City.	---	1907 1919-20 1923 1935 1952-70 1974-	10-21-94 02-28-95 04-05-95 07-21-95	12.4 12.8 12.2 13.9
Castle Springs 08405490	Black River	Lat 32°11'59", long 104°15'13", in SW¼SW¼SW¼ sec. 24, T. 24 S., R. 26 E., Eddy County, Hydrologic Unit 13060011, upstream from mouth at Black River Village, 7.2 mi east of Whites City.	---	1975-	10-13-94 02-28-95 04-05-95 07-21-95	3.91 0.46 0.48 0.30
GILA RIVER BASIN						
Mangas Creek 09431100	Gila River	Lat 32°50'48", long 108°30'57", in NW¼NE¼ sec. 8, T. 17 S., R. 16 W., Grant County, Hydrologic Unit 15040002, 0.4 mi northwest of Mangas Springs.	177	1970-	10-25-94 12-29-94 03-29-95 06-26-95 09-07-95	3.91 5.03 5.37 6.08 2.35

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Water-quality partial-record stations and water-quality miscellaneous sites are surface-water locations where chemical-quality, biological, and/or sediment data are collected on a limited frequency over a short period of years or once only for use in hydrologic investigations. Continuous streamflow recording gages are not located at these stations or sites.

WATER QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
OCT 1994												
18...	1045	825	840	8.2	15.0	14.5	664	9.1	103	190	44	53
NOV												
02...	1045	198	1390	8.3	20.5	13.5	660	8.8	98	340	140	100
DEC												
05...	1330	127	1370	8.2	10.5	10.5	664	10.4	107	340	120	100
JAN 1995												
04...	1145	127	1420	8.3	9.0	6.5	666	11.0	102	340	140	100
FEB												
15...	0915	391	739	8.2	12.5	12.0	657	9.0	97	190	54	57
MAR												
13...	1300	1400	674	8.2	20.0	13.0	665	9.3	102	180	48	52
APR												
18...	1445	877	706	8.5	13.0	11.0	659	9.7	102	180	36	54
MAY												
22...	1300	1810	670	8.2	27.0	19.0	659	7.8	98	170	27	49
JUN												
26...	1230	2670	629	7.8	28.5	21.5	658	6.3	83	160	29	47
JUL												
25...	1000	3280	637	8.4	26.0	23.5	662	6.8	93	150	37	43
AUG												
29...	1445	1140	628	8.3	35.0	27.0	660	7.0	102	140	24	39

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)
OCT 1994												
18...	14	92	3	6.7	170	4	146	150	140	89	0.70	14
NOV												
02...	23	150	4	8.1	252	0	206	203	310	120	0.60	16
DEC												
05...	22	150	4	7.7	266	0	218	199	330	130	0.60	13
JAN 1995												
04...	22	150	4	7.7	226	10	202	204	320	140	0.60	14
FEB												
15...	12	77	2	5.4	168	0	138	144	120	65	0.60	10
MAR												
13...	11	67	2	5.3	149	3	126	141	110	58	0.60	8.0
APR												
18...	11	69	2	5.2	164	6	144	150	130	50	0.60	7.2
MAY												
22...	11	64	2	4.9	172	0	141	145	120	46	0.60	7.3
JUN												
26...	9.5	60	2	5.1	156	0	128	196	110	40	0.50	11
JUL												
25...	11	63	2	4.9	137	2	116	127	110	42	0.50	8.6
AUG												
29...	11	63	2	5.3	141	2	119	132	120	44	0.60	8.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN --- Continued

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS N (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L) AS N (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)
OCT 1994												
18...	518	498	--	<0.010	0.120	<0.015	--	0.60	0.30	0.140	0.010	<0.010
NOV												
02...	874	853	--	<0.010	0.220	0.020	0.18	<0.20	0.20	0.020	<0.010	0.020
DEC												
05...	914	885	0.120	0.010	0.130	<0.015	--	0.30	<0.20	0.010	<0.010	<0.010
JAN 1995												
04...	922	876	--	<0.010	0.140	0.020	--	<0.20	<0.20	0.020	<0.010	<0.010
FEB												
15...	452	430	--	<0.010	0.090	<0.015	--	0.70	0.20	0.210	<0.010	0.010
MAR												
13...	423	389	--	<0.010	0.080	<0.015	--	0.70	<0.20	0.230	<0.010	<0.010
APR												
18...	439	414	--	<0.010	<0.050	<0.015	--	0.30	<0.20	0.030	<0.010	<0.010
MAY												
22...	409	388	--	<0.010	0.050	<0.015	--	0.30	<0.20	0.030	<0.010	0.010
JUN												
26...	400	361	0.220	0.020	0.240	0.020	0.38	0.80	0.40	0.360	0.040	<0.010
JUL												
25...	379	353	--	<0.010	0.070	0.020	0.28	0.60	0.30	0.070	<0.010	<0.010
AUG												
29...	385	364	--	<0.010	0.240	<0.015	--	0.40	0.20	0.040	0.030	0.010

DATE	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C (00681)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L) AS AL (01105)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL (01106)	ANTI- MONY, TOTAL (UG/L) AS SB (01097)	ANTI- MONY, DIS- SOLVED (UG/L) AS SB (01095)	ARSENIC TOTAL (UG/L) AS AS (01002)	ARSENIC DIS- SOLVED (UG/L) AS AS (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L) AS BA (01007)	BARIUM, DIS- SOLVED (UG/L) AS BA (01005)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L) AS BE (01012)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE (01010)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	7.4	3.1	--	2	--	<1	--	1	--	100	--	<1
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
22...	4.1	--	1800	--	<1	--	3	--	100	--	<10	--
JUN												
26...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
29...	--	3.7	--	20	--	<1	--	3	--	68	--	<1

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	--	3
NOV												
02...	--	--	--	--	--	--	--	--	--	--	--	<3
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	<3
JAN 1995												
04...	--	220	--	<1.0	--	3	--	<1	--	1	--	<3
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	3
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	5
APR												
18...	--	--	--	--	--	--	--	--	--	--	--	4
MAY												
22...	140	--	<1	--	<1	--	2	--	1	--	1300	3
JUN												
26...	--	--	--	--	--	--	--	--	--	--	--	5
JUL												
25...	--	--	--	--	--	--	--	--	--	--	--	4
AUG												
29...	--	130	--	<1.0	--	<1	--	<1	--	1	--	7

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)
OCT 1994												
18...	--	--	--	--	--	2	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	19	--	--	--	--	--	--
DEC												
05...	--	--	--	--	--	23	--	--	--	--	--	--
JAN 1995												
04...	--	<1	--	--	--	32	--	--	--	6	--	6
FEB												
15...	--	--	--	--	--	3	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	3	--	--	--	--	--	--
APR												
18...	--	--	--	--	--	4	--	--	--	--	--	--
MAY												
22...	1	--	70	--	120	3	<0.10	--	5	--	3	--
JUN												
26...	--	--	--	--	--	2	--	--	--	--	--	--
JUL												
25...	--	--	--	--	--	2	--	--	--	--	--	--
AUG												
29...	--	<1	--	64	--	2	--	<0.1	--	6	--	2

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR) (01082)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	168	374
NOV												
02...	--	--	--	--	--	--	--	--	--	--	59	32
DEC												
05...	--	--	--	--	--	--	--	--	--	--	51	17
JAN 1995												
04...	--	<1	--	<1.0	--	--	--	--	1	4.0	107	37
FEB												
15...	--	--	--	--	--	--	--	--	--	--	306	323
MAR												
13...	--	--	--	--	--	--	--	--	--	--	419	1580
APR												
18...	--	--	--	--	--	--	--	--	--	--	105	249
MAY												
22...	<1	--	<1	--	590	--	--	<10	--	--	8920	43600
JUN												
26...	--	--	--	--	--	--	--	--	--	--	5620	40500
JUL												
25...	--	--	--	--	--	--	--	--	--	--	935	8270
AUG												
29...	--	<2	--	<1.0	--	510	<6	--	2	3.0	277	849

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BEC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)
OCT 1994												
18...	1045	--	--	--	--	--	--	--	--	--	--	--
NOV												
02...	1045	--	--	--	--	--	--	--	--	--	--	--
DEC												
05...	1330	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	1145	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
FEB												
15...	0915	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	1300	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	1445	<0.007	<0.002	0.010	E0.009	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
MAY												
22...	1300	<0.007	<0.002	0.010	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUN												
26...	1230	<0.007	<0.002	0.009	E0.009	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
JUL												
25...	1000	<0.007	<0.002	0.013	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
AUG												
29...	1445	<0.007	<0.002	0.011	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO-CHLOR, WATER, REC (UG/L) (49260)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	<0.001	0.008	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.001	0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
MAY												
22...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUN												
26...	<0.001	0.005	<0.005	<0.004	<0.002	0.004	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
JUL												
25...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
AUG												
29...	<0.001	0.005	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	E0.029	<0.013
MAY												
22...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
JUN												
26...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	E0.010	<0.013
JUL												
25...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
AUG												
29...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	E0.008	<0.004	<0.003	<0.002	<0.003	<0.013

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363500 RIO GRANDE AT LEASBURG DAM, NM

DATE	FROM- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994												
18...	--	--	--	--	--	--	--	--	--	--	--	--
NOV												
02...	--	--	--	--	--	--	--	--	--	--	--	--
DEC												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.003	<0.004	<0.003	<0.013	<0.001	<0.005
FEB												
15...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
18...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.006	<0.004	<0.003	<0.013	<0.001	<0.005
MAY												
22...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.012	<0.004	<0.003	<0.013	<0.001	<0.005
JUN												
26...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.008	<0.004	<0.003	0.055	<0.001	<0.005
JUL												
25...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
AUG												
29...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005

CROSS SECTION ANALYSES

DATE	TIME	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	DEPTH AT SAMPLE LOC- ATION, TOTAL (FEET) (81903)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV 1994							
02...	1005	35.0	0.40	1420	8.2	15.5	8.6
02...	1007	5.00	0.98	1460	8.2	14.5	8.6
02...	1008	30.0	0.60	1450	8.3	14.5	8.6
02...	1010	10.0	0.95	1450	8.3	14.5	8.6
02...	1011	25.0	0.80	1460	8.3	14.5	8.6
02...	1012	15.0	0.90	1460	8.3	14.5	8.6
02...	1014	20.0	0.90	1470	8.3	14.5	8.6
02...	1024	91.0	0.35	1440	8.3	15.0	8.6
02...	1025	141	1.60	1450	8.3	15.0	8.8
02...	1029	111	0.60	1450	8.3	15.0	8.8
02...	1030	121	0.80	1450	8.3	15.0	8.8
02...	1031	131	1.30	1500	8.3	15.0	8.7
02...	1041	151	1.45	1440	8.3	15.0	8.8
APR 1995							
18...	1312	15.0	4.60	--	8.1	13.0	8.9
18...	1320	30.0	4.70	707	8.4	13.5	8.7
18...	1327	45.0	3.90	707	8.4	13.5	8.7
18...	1331	60.0	2.30	707	8.5	13.5	8.6
18...	1336	75.0	1.30	706	8.5	13.5	8.6
18...	1339	90.0	1.10	707	8.5	13.5	8.6
18...	1343	105	1.50	706	8.5	14.0	8.6
18...	1346	120	1.50	704	8.5	14.0	8.7
18...	1349	135	1.40	705	8.5	14.0	8.6
18...	1352	150	1.30	706	8.6	14.0	8.7
18...	1355	165	1.70	706	8.6	14.0	8.6
18...	1358	180	1.30	706	8.6	14.0	8.6

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363840 RIO GRANDE AT VINTON BRIDGE NEAR ANTHONY, TX

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	
JAN 1995 04...	0930	105	1680	8.2	8.5	666	11.0	108	370	130	110	24	
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JAN 1995 04...	200	5	12	298	0	244	250	350	170	0.70	20	1120	
DATE		SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JAN 1995 04...	1040	0.980	0.120	1.10	0.360	0.34	0.80	0.70	0.080	0.070	0.030	4.8	
DATE		CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	
JAN 1995 04...	4.1	2	<1	1	93	<1	270	<1.0	2	<1	5		
DATE		IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	
JAN 1995 04...	<3	<1	15	11	7	<1	<1.0	2	5.0	142	40		

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

08363840 RIO GRANDE AT VINTON BRIDGE NEAR ANTHONY, TX

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	
JAN 1995	04...	0930	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	<0.004
DATE	TIME	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER FLTRD DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U (UG/L) (82663)
JAN 1995	04...	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002	<0.004	<0.003	<0.002	<0.004
DATE	TIME	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995	04...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	TIME	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- FARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995	04...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN

The following water -quality tables for miscellaneous sites in the Rio Grande basin are identified by 15-digit latitude-longitude site numbers are in order by ascending site numbers as shown in parenthesis after the site names. The inorganic analyses tables are followed by the organic-compound analyses table for these sites. This departure from the normal downstream order for surface -water sites was taken to facilitate locating these sites in this report and for comparing results for the same group of analyses

SUNLAND PARK WWTB AT SUNLAND PARK, NM, (314754106332110)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN 1995 06...	0930	1.1	1440	7.6	17.5	664	8.7	105	120	0	43	3.6
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995 06...	210	8	13	233	0	191	192	240	180	0.90	36	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995 06...	810	882	0.030	0.180	0.210	27.0	2.0	28	29	1.60	1.50	
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995 06...	1.40	20	7.6	20	<1	11	18	<1	350	<1.0	2	
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995 06...	<1	1	31	<1	14	11	3	<1	<1.0	19	<1.0	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

MONTOKA DRAIN AT SUNLAND PARK, NM (314810106324610)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN 1995												
06...	0745	37	2420	8.0	9.0	664	10.1	101	--	--	--	--
06...	0745	37	2420	8.0	9.0	664	10.1	101	420	120	120	29

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995											
06...	--	--	--	370	--	303	--	--	--	--	--
06...	360	8	7.4	370	0	303	313	530	280	0.80	34

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	1640	1550	0.250	0.020	0.270	0.120	0.08	0.30	0.20	0.060	0.020

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	0.030	7.2	3.9	2	<1	4	61	<1	470	<1.0	4

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	<1	3	27	<1	130	14	6	<1	<1.0	1	4.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

NEMEXAS DRAIN AT MEADOWLARK DRIVE NR EL PASO, TX (315007106355410)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN 1995 06...	1230	33	2100	8.0	12.5	664	9.5	103	420	100	120	28
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS STO2) (00955)
JAN 1995 06...	300		6	7.2	378	0	310	314	490	210	0.80	34
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995 06...	1460	1380	0.310	0.020	0.330	0.140	0.26	0.40	0.40	0.080	0.050	
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995 06...	0.030	12	3.9	2	<1	6	62	<1	450	<1.0	3	
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995 06...	<1	3	9	<1	220	14	6	<1	<1.0	<1	5.0	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT TX 259 BRIDGE, CANUTILLO, TX (315454106360610)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATUR-ATION (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JAN 1995 12...	1100	105	1570	8.5	15.0	10.5	9.8	665	10.4	107	370

DATE	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN 1995 12...	140	110	23	180	4	12	273	5	231	236	310

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JAN 1995 12...	170	0.70	21	1020	973	1.09	0.110	1.20	0.210	0.50	0.040

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JAN 1995 12...	0.030	0.020	<10	1	85	<1.0	<1	<3	2	<3	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE DIS-SOLVED (UG/L AS MN) (01056)	MERCU-RY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM DIS-SOLVED (UG/L AS MO) (01060)	NICKEL DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM DIS-SOLVED (UG/L AS SE) (01145)	SILVER DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JAN 1995 12...	150	7	<0.1	<10	<1	<1	<1.0	1400	<6	<10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

EAST SIDE DRAIN AT LEVEE ROAD NEAR ANTHONY, TX (315807106361910)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JAN 1995													
06...	0910	9.7	2690	8.3	10.0	7.0	669	9.6	91	--	--	--	
06...	0910	9.7	2690	8.3	10.0	7.0	669	9.6	91	340	0	93	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995													
06...	--	--	--	--	--	441	--	359	--	--	--	--	--
06...	27	420	10	33	441	0	359	371	490	350	1.3	30	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	
JAN 1995													
06...	--	--	--	--	--	--	--	--	--	--	--	--	
06...	1760	1670	2.19	0.110	2.30	0.680	0.42	1.8	1.1	0.490	0.280		
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SE) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	
JAN 1995													
06...	--	--	--	--	--	--	--	--	--	--	--	--	
06...	0.290	8.0	5.8	10	<2	3	55	<2	510	<2.0	2		
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
JAN 1995													
06...	--	--	--	--	--	--	--	--	--	--	--	--	
06...	<2	9	<9	<2	140	22	5	<1	<2.0	6	17		

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT RT 404 BRIDGE NEAR CHAMBERINO, NM (320122106385510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
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JAN 1995
05... 1130 111 1590 8.5 10.0 8.5 665 11.0 108 370 130 110

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)
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JAN 1995
05... 23 170 4 10 264 12 236 232 330 160 0.60 20

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
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JAN 1995
05... 1040 970 0.770 0.100 0.870 0.560 0.24 1.1 0.80 0.060 0.010 0.010

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
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JAN 1995
05... 11 3.3 3 <1 2 98 <1 240 <1.0 <1 <1 2

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
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JAN 1995
05... <3 <1 45 8 6 <1 <1.0 3 4.0 117 35

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LA MESA DRAIN AT LEVEE ROAD NEAR CHAMBERINO, NM (320214106392510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARR DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
JAN 1995												
05...	0830	14	1840	8.2	5.0	8.5	659	9.2	91	--	--	--
05...	0830	14	1840	8.2	5.0	8.5	659	9.2	91	520	230	160

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995												
05...	--	--	--	--	349	--	286	--	--	--	--	--
05...	29	200	4	8.6	349	0	286	285	450	180	0.60	26

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	1320	1230	0.570	0.030	0.600	0.120	0.28	0.40	0.40	0.050	0.050

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	0.020	4.6	2.8	3	<1	1	56	<1	260	<1.0	2

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995											
05...	--	--	--	--	--	--	--	--	--	--	--
05...	<1	2	<3	<1	310	8	7	<1	<1.0	2	3.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

DEL RIO DRAIN AT LEVEE ROAD NEAR VADO, NM (320610106393110)

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JAN 1995												
04...	1515	30	1320	8.0	8.0	664	9.4	92	--	--	--	--
04...	1515	30	1320	8.0	8.0	664	9.4	92	330	95	100	19

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
JAN 1995											
04...	--	--	--	284	--	233	--	--	--	--	--
04...	140	3	8.1	284	0	233	235	290	120	0.70	24

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
JAN 1995											
04...	--	--	--	--	--	--	--	--	--	--	--
04...	880	845	0.660	0.030	0.690	0.110	0.19	0.20	0.30	0.070	0.050

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
JAN 1995											
04...	--	--	--	--	--	--	--	--	--	--	--
04...	0.060	14	3.0	2	<1	2	78	<1	210	<1.0	2

DATE	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COFFER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
JAN 1995											
04...	--	--	--	--	--	--	--	--	--	--	--
04...	<1	2	<3	<1	36	10	6	<1	<1.0	1	3.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT NM 227 BRIDGE NEAR VADO, NM (320648106400510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JAN 1995 12...	0850	51	1400	8.3	9.5	8.0	8.7	661	10.2	100	330

DATE	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN 1995 12...	130	100	20	150	4	11	250	1	206	208	280

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JAN 1995 12....	150	0.70	17	899	860	1.00	0.100	1.10	0.880	1.2	0.020

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JAN 1995 12...	<0.010	<0.010	10	2	110	<1.0	<1	<3	<1	5	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
JAN 1995 12...	130	6	<0.1	<10	<1	<1	<1.0	1200	<6	<10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LA MESA DRAIN AT RT 192 NEAR SAN MIGUEL, NM (320936106431710)

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	HARD- NESS TOTAL (MG/L CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	
JAN 1995	05...	1000	1.6	1910	8.1	7.5	9.0	663	6.9	69	550	270	170

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB AS (MG/L CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
JAN 1995 05...	30	190	4	11	342	0	280	300	480	170	0.50	25

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
JAN 1995 05...	1340	1250	0.580	0.020	0.600	0.200	0.30	0.50	0.50	0.060	0.030

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
JAN 1995 05...	0.030	4.8	4.1	7	<2	<1	71	<2	230	<2.0	<2

	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
DATE											
JAN 1995											
05...	<2	3	11	<2	1100	8	11	<1	<2.0	7	4.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT RT 192 NEAR SAN MIGUEL, NM (320943106425810)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JAN 1995 05...	0800	65	1510	8.4	3.5	3.0	663	11.1	96	340	130	100	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995 05...	22	170		4	12	236	10	210	212	310	180	0.70	17
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JAN 1995 05...	991	944		0.770	0.120	0.890	1.50	0.50	2.1	2.0	0.060	0.020	<0.010
DATE		CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
JAN 1995 05...	5.8	4.1		2	<1	1	110	<1	270	<1.0	2	<1	3
DATE		IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	
JAN 1995 05...		5	<1	2	10	6	<1	<1.0	3	5.0	100	18	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

DEL RIO DRAIN AT PIANO ROAD NEAR SANTO TOMAS, NM (321210106443210)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (PER-CENT) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JAN 1995	05...	1215	21	1190	8.1	5.5	12.0	660	8.0	86	320	120	100

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L) AS CACO3 (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	
JAN 1995	05...	18	120	3	7.1	244	0	200	219	250	100	0.60	22

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
JAN 1995 05...	806	740	0.310	0.030	0.340	0.170	0.23	0.50	0.40	0.120	0.080

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)
JAN 1995 05...	0.070	3.4	3.1	2	<1	1	90	<1	190	<1.0	3

DATE	CORAL-T DIS- SOLVED (UG/L AS CO) (01035)	COPPER DIS- SOLVED (UG/L AS CU) (01040)	IRON DIS- SOLVED (UG/L AS FE) (01046)	LEAD DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM DIS- SOLVED (UG/L AS MO) (01060)	NICKEL DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM DIS- SOLVED (UG/L AS SE) (01145)	SILVER DIS- SOLVED (UG/L AS AG) (01075)	ZINC DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
JAN 1995 05...	<1	1	<3	<1	410	8	7	<1	<1.0	3	2.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE BELOW MESILLA DAM NR SANTO TOMAS, NM (321317106471510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JAN 1995 11...	1450	58	1390	8.4	20.0	12.0	12	660	9.5	103	360
DATE	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN 1995 11...	150	110	21	160	4	9.9	254	4	215	221	300
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995 11...	150	0.70	18	929	901	<0.010	0.200	<0.015	0.30	0.020	0.010
DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC, DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	
JAN 1995 11...	<0.010	10	2	95	<1.0	<1	<3	<1	<3	<1	
DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
JAN 1995 11...	140	15	<0.1	<10	<1	<1	<1.0	1300	<6	<10	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

PICACHO DRAIN NEAR SAN PABLO, NM (321457106492110)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
JAN 1995												
06...	1050	1.6	1430	8.1	10.0	6.5	660	9.3	88	--	--	--
06...	1050	1.6	1430	8.1	10.0	6.5	660	9.3	88	360	120	110

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (MG/L AS) (00453)	CAR-BONATE WATER DIS IT FIELD CO3 (MG/L AS) (00452)	ALKA-LINITY WAT IT TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)
JAN 1995												
06...	--	--	--	--	285	--	234	--	--	--	--	--
06...	20	150	3	6.6	285	0	234	233	300	130	0.70	24

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	932	885	0.590	0.030	0.620	0.150	0.15	0.40	0.30	0.020	<0.010

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	0.010	6.7	3.9	5	<1	2	78	<1	210	<1.0	2

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995											
06...	--	--	--	--	--	--	--	--	--	--	--
06...	<1	2	6	<1	140	10	6	<1	<1.0	1	3.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE ABOVE NM 359 BRIDGE AT MESILLA, NM (321601106494110)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
JAN 1995 06...	0800	74	1500	8.5	4.5	3.0	659	11.3	98	340	120	100	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995 06...	21	160	4	10	238	14	218	213	300	160	0.60	15	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JAN 1995 06...	960	900	0.200	0.040	0.240	0.900	0.30	1.1	1.2	0.050	<0.010	0.010	
DATE		CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SE) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
JAN 1995 06...	14	3.1	4	<1	2	99	<1	230	<1.0	1	<1	3	
DATE		IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	
JAN 1995 06...		<3	<1	7	7	6	<1	<1.0	2	4.0	132	26	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LAS CRUCES WWTP OUTFLOW AT LEVEE RD. LAS CRUCES, NM (321739106495110)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (000400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JAN 1995 05...	1500	16	1410	7.8	17.5	653	6.9	85	230	4	67	16
DATE		SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JAN 1995 05...	140		4	25	280	0	230	173	130	220	0.70	29
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995 05...	778		794	0.160	0.260	0.420	20.0	1.0	22	21	0.330	0.180
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
JAN 1995 05...	0.130		18	8.6	10	<1	<1	6	<1	290	<1.0	2
DATE		COBALT DIS-SOLVED (UG/L AS CO) (01035)	COPPER DIS-SOLVED (UG/L AS CU) (01040)	IRON DIS-SOLVED (UG/L AS FE) (01046)	LEAD DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM DIS-SOLVED (UG/L AS MO) (01060)	NICKEL DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM DIS-SOLVED (UG/L AS SE) (01145)	SILVER DIS-SOLVED (UG/L AS AG) (01075)	ZINC DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
JAN 1995 05...	<1		2	130	<1	62	19	5	<1	<1.0	8	12

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE BELOW PICACHO BRIDGE NR LAS CRUCES, NM (321745106492510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
JAN 1995 11...	1215	66	1460	8.4	17.0	9.0	16	661	9.7	97	330
DATE	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN 1995 11...	100	100	19	130	3	7.1	273	2	228	208	280
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
JAN 1995 11...	110	0.60	17	842	802	<0.010	0.230	0.020	0.30	0.040	0.020
DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC, DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	
JAN 1995 11...	0.010	20	2	87	<1.0	<1	<3	<1	4	<1	
DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
JAN 1995 11...	100	32	<0.1	<10	<1	<1	<1.0	1200	<6	<10	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT SHALEM BRIDGE NEAR DONA ANA, NM (322234106511710)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE	PH WATER WHOLE FIELD (STAND-ARD)	TEMPER-ATURE AIR	TEMPER-ATURE WATER	BARO-METRIC PRES-SURE	OXYGEN, DIS-SOLVED	OXYGEN, (PER-CENT SATUR-ATION)	HARD-NESS TOTAL (MG/L AS CACO3)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3	CALCIUM DIS-SOLVED (MG/L AS CA)	
		(00061)	(US/CM) (00095)	(UNITS) (00400)	(DEG C) (00020)	(DEG C) (00010)	(MM OF HG) (00025)	(MG/L) (00300)	(00301)	(00900)	(00904)	(00915)	
JAN 1995	04...	1530	65	1580	8.2	7.5	8.5	661	10.3	103	370	130	110

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	
JAN 1995	04...	23	180	4	11	289	0	237	221	340	170	0.70	16

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) AS N (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) AS N (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L) AS N (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L) AS N (00623)	PHOS-PHORUS TOTAL (MG/L) AS P (00665)	PHOS-PHORUS DIS-SOLVED (MG/L) AS P (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) AS P (00671)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	
JAN 1995	04...	1030	994	<0.010	0.140	0.020	0.20	<0.20	0.010	<0.010	<0.010	3.0

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SE) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
JAN 1995 04...	2.8	4	<1	1	110	<1	250	<1.0	1	<1	2

DATE	IRON.	LEAD.	MANGA-	MOLYB-	NICKEL.	SELE-	SILVER.	ZINC.	URANIUM	SEDI-	SEDI-
	DIS-	DIS-	NESE.	NUM.	DIS-	NIUM.	DIS-	DIS-	NATURAL	MENT,	MENT,
	SOLVED	SOLVED	DIS-	DIS-	SOLVED	DIS-	SOLVED	SOLVED	DIS-	DIS-	DIS-
	(UG/L	(UG/L	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SUS-	CHARGE,
	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	PENDED	PENDED
	AS FE)	AS PB)	AS MN)	AS MO)	AS NI)	AS SE)	AS AG)	AS ZN)	AS U)	(MG/L)	(T/DAY)
	(01046)	(01049)	(01056)	(01060)	(01065)	(01145)	(01075)	(01090)	(22703)	(80154)	(80155)
JAN 1995											
04...	7	<1	41	7	6	<1	<1.0	<1	4.0	93	16

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SELDEN DRAIN AT LEVEE ROAD NEAR LEASBURG, NM (322541106525110)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	
JAN 1995													
04...	1430	0.03	1350	8.6	8.0	9.0	666	15.2	151	--	--	--	
04...	1430	0.03	1350	8.6	8.0	9.0	666	15.2	151	330	100	100	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT MG/L AS CaCO3 (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)
JAN 1995													
04...	--	--	--	--	--	252	14	230	--	--	--	--	--
04...	20	150	4	14	252	14	230	243	310	110	0.70	16	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	908	860	0.100	0.010	0.110	0.050	0.35	0.40	0.40	0.030	0.020		
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	0.020	9.1	5.2	4	<1	1	59	<1	220	<1.0	3	4.0	
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	<1	2	19	<1	190	7	7	<1	<1.0	3	4.0		

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE BELOW LEASBURG DAM, NM (322841106551010)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)
JAN 1995 11...	0935	52	1280	8.5	5.0	5.5	8.9	661	10.4	95	330
DATE	HARD-NESS NONCARR DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
JAN 1995 11...	130	100	20	160	4	11	243	3	204	211	290
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JAN 1995 11...	150	0.70	18	903	877	0.520	0.050	0.570	0.950	1.4	0.070
DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
JAN 1995 11...	0.020	<0.010	10	2	89	<1.0	<1	<3	<1	5	<1
DATE	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
JAN 1995 11...	130	3	0.2	<10	<1	<1	<1.0	1200	<6	<10	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RINCON DRAIN AT RIO GRANDE, NEAR RINCON, NM (323410106594403)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 1994													
26...	0840	11	1890	8.0	11.0	12.5	662	5.1	56	510	260	160	
26...	0845	11	1890	8.0	11.0	12.5	662	5.1	56	--	--	--	
JAN 1995													
03...	1330	4.5	2140	8.4	14.5	13.5	660	14.2	158	--	--	--	
03...	1330	4.5	2140	8.4	14.5	13.5	660	14.2	158	560	350	170	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
OCT 1994													
26...	27	220	--	4	10	302	--	248	243	510	170	0.80	0.31
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	--	--	--	--	--	218	18	208	--	--	--	--	--
03...	32	250	--	5	13	218	18	208	206	630	180	0.80	--
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT 1994													
26...	24	--	1300	1270	0.610	0.020	0.630	0.100	0.20	--	0.30	--	0.020
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	26	--	1510	1430	0.480	0.020	0.500	0.090	0.21	0.40	0.30	0.050	0.030
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 1994													
26...	0.020	--	3.2	0.90	--	--	--	--	73	--	--	--	--
26...	--	--	--	--	--	4	<1	2	--	<1	--	<1.0	2
JAN 1995													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	0.020	3.6	3.3	--	5	<1	2	63	<1	400	<1.0	--	1
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
OCT 1994													
26...	--	--	--	<3	--	220	--	--	--	--	--	--	
26...	<1	--	2	--	<1	220	9	6	<1	<1.0	3	5.0	
JAN 1995													
03...	--	--	--	--	--	--	--	--	--	--	--	--	
03...	<1	4	<9	<1	390	9	8	1	<1.0	2	5.0	--	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE ABOVE RINCON DRAIN, NEAR RINCON, NM (323414106594903)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 1994													
26...	1030	464	862	8.5	13.5	15.5	662	8.6	100	210	55	61	
26...	1035	--	862	8.5	13.5	15.5	662	8.6	100	--	--	--	
JAN 1995													
03...	1740	45	1420	8.5	7.0	8.0	661	10.2	100	370	130	110	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
OCT 1994													
26...	15	97	3	6.2	172	11	159	160	160	78	0.70	0.090	
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	22	150	3	6.6	266	8	231	216	320	120	0.60	--	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 1994													
26...	13	544	527	--	<0.010	0.080	<0.015	--	0.30	--	<0.010	<0.010	
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	15	894	884	0.140	0.010	0.150	0.020	<0.20	<0.20	0.010	<0.010	<0.010	
DATE		CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 1994													
26...	--	3.5	1.3	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	9	<1	3	82	<1	--	<1.0	1	<1
JAN 1995													
03...	7.3	3.1	--	7	<1	<1	95	<1	210	<1.0	1	<1	
DATE		COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, DIS-SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT 1994													
26...	--	4	--	3	--	7	3	<1	<1.0	4	3.0	--	--
26...	1	--	<1	3	7	3	<1	<1.0	4	3.0	--	--	--
JAN 1995													
03...	3	<3	<1	51	7	5	<1	<1.0	2	5.0	92	11	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

HATCH DRAIN AT RIO GRANDE, NEAR HATCH, NM (323917107055603)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	
OCT 1994													
25...	1450	3.8	1570	8.4	19.0	16.0	659	8.5	100	420	140	130	
25...	1455	3.8	1570	8.4	19.0	16.0	659	8.5	100	--	--	--	
JAN 1995													
04...	1150	0.02	1530	8.5	5.5	7.0	658	11.4	109	--	--	--	
04...	1150	0.02	1530	8.5	5.5	7.0	658	11.4	109	370	93	110	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3 (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
OCT 1994													
25...	23	180	--	4	8.8	311	16	281	281	370	130	0.90	0.24
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
04...	--	--	--	--	--	304	14	272	--	--	--	--	--
04...	22	180	--	4	9.7	304	14	272	267	340	120	0.80	--
DATE		SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT 1994													
25...	29	--	1060	1050	1.16	0.040	1.20	0.100	0.30	--	0.40	--	0.190
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	29	--	1030	989	2.51	0.090	2.60	0.330	0.77	1.3	1.1	0.480	0.370
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SE) (01095)	ARSENIC, DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 1994													
25...	0.190	--	--	4.0	0.30	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	4	<1	2	69	<1	--	<1.0	2
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	0.400	7.2	--	4.6	--	4	<1	3	45	<1	310	<1.0	2
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
OCT 1994													
25...	--	--	--	<3	--	110	--	--	--	--	--	--	
25...	<1	3	--	<1	--	99	12	5	<1	<1.0	1	6.0	
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	
04...	<1	2	<3	<1	--	73	9	5	<1	<1.0	2	4.0	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RINCON DRAIN 0.5 MILE EAST OF 140 NEAR RINCON, NM (323931107042003)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 1994												
25...	1630	0.96	1230	8.2	20.5	22.0	657	7.5	100	350	97	110
25...	1635	0.96	1230	8.2	20.5	22.0	657	7.5	100	--	--	--
JAN 1995												
04...	0830	0.04	1350	7.8	2.0	4.5	660	8.8	79	390	120	120

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 1994												
25...	19	130	3	6.9	312	256	254	270	91	0.70	0.15	22
25...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	22	140	3	6.6	332	272	269	300	100	0.50	--	12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL DIS. (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 1994												
25...	810	805	--	<0.010	0.320	0.060	0.24	--	0.30	--	0.020	0.020
25...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	938	867	0.240	0.030	0.270	0.070	0.33	0.60	0.40	0.060	<0.010	<0.010

DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 1994											
25...	--	3.7	0.70	--	--	--	--	--	--	--	--
25...	--	--	--	5	<1	2	100	<1	--	<1.0	2
JAN 1995											
04...	6.0	2.7	--	5	<1	<1	110	<1	210	<1.0	4

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT 1994											
25...	--	--	3	--	570	--	--	--	--	--	--
25...	<1	<1	--	<1	540	8	5	<1	<1.0	<1	3.0
JAN 1995											
04...	<1	2	5	<1	1200	6	9	<1	<1.0	1	3.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT ROAD 187, NEAR HATCH, NM (324056107112103)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
OCT 1994													
25...	1100	302	819	8.6	14.5	15.5	660	9.0	105	200	46	58	
25...	1105	302	819	8.6	14.5	15.5	660	9.0	105	--	--	--	
JAN 1995													
03...	1245	36	1280	8.5	10.0	9.0	662	13.2	132	360	73	110	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
OCT 1994													
25...	14	93	3	6.3	174	8	161	162	140	74	0.70	0.080	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	20	130	3	6.5	297	24	284	221	280	91	0.60	--	
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. TOTAL (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 1994													
25...	13	510	493	0.100	0.010	0.110	<0.015	--	0.20	--	<0.010	<0.010	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
03...	16	828	826	0.230	0.020	0.250	0.020	<0.20	<0.20	0.030	<0.010	<0.010	
DATE		CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT 1994													
25...	--	4.0	1.5	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	10	<1	3	91	<1	--	<1.0	1	<1
JAN 1995													
03...	13	3.8	--	3	<1	1	98	<1	200	<1.0	3	<1	
DATE		COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT 1994													
25...	--	<3	--	40	--	--	--	--	--	--	--	--	--
25...	1	--	2	39	7	2	<1	<1.0	5	4.0	--	--	--
JAN 1995													
03...	2	<3	<1	460	7	6	<1	<1.0	2	6.0	123	12	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

HATCH DRAIN AT ROAD 391, NEAR SALEM, NM (324121107124603)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 1994												
25...	0830	0.45	1040	8.0	11.5	14.5	659	5.6	64	290	84	93
25...	0835	0.45	1040	8.0	11.5	14.5	659	5.6	64	--	--	--
JAN 1995												
04...	0830	0.17	1130	8.2	6.5	5.0	665	8.0	72	300	95	95

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03 (39086)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 1994												
25...	15	110	3	6.0	256	210	209	220	75	0.80	0.15	25
25...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	15	100	3	5.5	249	204	217	240	80	0.70	--	17

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 1994												
25...	680	676	1.05	0.050	1.10	0.110	0.09	--	0.20	--	0.020	0.030
25...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995												
04...	743	678	0.220	0.030	0.250	0.280	0.12	0.40	0.40	0.020	0.010	0.010

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 1994												
25...	--	0.80	0.30	--	--	--	--	--	--	--	--	--
25...	--	--	--	4	<1	2	93	<1	--	--	<1.0	2
JAN 1995												
04...	5.5	--	--	3	<1	<1	120	<1	170	<1.0	<1.0	4

DATE	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
OCT 1994											
25...	--	--	15	--	510	--	--	--	--	--	--
25...	<1	1	--	3	460	10	3	<1	<1.0	<1	5.0
JAN 1995											
04...	<1	1	4	<1	940	11	7	<1	<1.0	6	8.0

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	HARD-NESS NONCARE DISSOLV FLD. AS CAC03 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
DATE	TIME												
OCT 1994													
24...	1600	6.2	1660	8.0	21.0	18.0	656	7.8	97	450	150	140	
24...	1605	6.2	1660	8.0	21.0	18.0	656	7.8	97	--	--	--	
JAN 1995													
05...	1040	0.62	1840	8.3	--	9.0	650	9.9	101	--	--	--	
05...	1040	0.62	1840	8.3	--	9.0	650	9.9	101	470	160	140	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	ALKA-LINITY LAB AS (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
OCT 1994													
24...	25	200	4	10	368	--	302	331	390	140	1.4	0.26	
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
05...	--	--	--	--	361	4	302	--	--	--	--	--	--
05...	28	210	4	10	361	4	302	306	440	150	1.5	--	--
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
OCT 1994													
24...	24	1140	1120	0.680	0.030	0.710	0.070	0.23	--	0.30	--	0.010	
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
05...	19	1260	1180	0.250	0.020	0.270	0.060	0.24	0.30	0.30	0.030	<0.010	
DATE		PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 1994													
24...	0.010	--	3.4	1.1	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	4	<1	2	62	<1	--	<1.0	2	
JAN 1995													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
05...	0.010	10	3.7	--	2	<1	<1	71	<1	290	<1.0	3	
DATE		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
OCT 1994													
24...	--	--	--	4	--	130	--	--	--	--	--	--	
24...	<1	--	1	--	1	130	13	5	<1	<1.0	9	8.0	
JAN 1995													
05...	--	--	--	--	--	--	--	--	--	--	--	--	
05...	<1	--	2	5	<1	280	12	8	<1	<1.0	2	8.0	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

GARFIELD DRAIN SE OF DERRY, NM (324708107164203)

		DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
DATE	TIME												
OCT 1994													
24...	1340	2.8	1660	7.9	25.5	19.0	656	14.2	179	270	0	77	
24...	1345	2.8	1660	7.9	25.5	19.0	656	14.2	179	--	--	--	
JAN 1995													
05...	0815	0.73	1730	8.0	--	8.0	650	5.2	52	270	0	74	
		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
DATE													
OCT 1994													
24...	20	260	7	17	402	330	329	320	140	4.3	0.22	29	
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
05...	20	250	7	17	411	337	336	320	140	4.9	--	26	
		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
DATE													
OCT 1994													
24...	1080	1070	1.12	0.080	1.20	0.100	0.20	--	0.30	--	0.020	0.020	
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 1995													
05...	1110	1060	0.820	0.040	0.860	0.140	0.16	0.30	0.30	0.020	<0.010	0.020	
		CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	
DATE													
OCT 1994													
24...	--	2.9	0.40	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	5	<1	2	61	<1	--	<1.0	2	
JAN 1995													
05...	4.9	3.0	--	3	<1	<1	59	<1	350	<1.0	3		
		COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	
DATE													
OCT 1994													
24...	--	--	--	22	--	130	--	--	--	--	--	--	--
24...	<1	1	--	2	140	34	3	<1	<1.0	1	16		
JAN 1995													
05...	<1	2	18	<1	100	34	4	<1	<1.0	2	16		

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SALT CREEK 3 AT RANGE ROAD 6 ON WSMR, NM (330716106234510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
AUG 1995	18...	1030	0.09	40000	8.1	27.0	25.5	662	6.1	100	4600	4500	930
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG 1995	18...	550	7400	48	210	139	0	114	113	4700	11000	2.3	2.0
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	
AUG 1995	18...	7.7	26700	24900	0.070	0.020	0.090	0.130	0.37	0.40	0.50	0.020	
DATE		PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	
AUG 1995	18...	0.030	<0.010	950	20	2	3	100	100	1200	1400	<4	
DATE		CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	
AUG 1995	18...	<4.0	<10	<10	<20	<10	890	<10	<10	<10	1700	1100	
DATE		MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
AUG 1995	18...	230	150	<4.0	6	7	<4	<4.0	19000	19000	10	<10	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SALT CREEK NR NW-50 ON WSMR, NM (331158106265710)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (MG/L) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)
AUG 1995 16...	1500	0.40	39000	9.4	33.5	37.0	657	10.1	200	4800	4700	910

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CaCO3) (39086)	ALKA-LINITY LAB (MG/L AS CaCO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG 1995 16...	610	9500	60	240	13	28	35	42	6400	13000	2.3	2.4

DATE	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
AUG 1995 16...	0.70	31700	30700	<0.010	0.070	0.200	1.2	1.7	1.4	0.010	<0.010

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
AUG 1995 16...	<0.010	110	20	<2	2	200	200	1200	1400	<4	<4.0

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
AUG 1995 16...	<10	<10	<10	<10	180	<10	<10	<10	2000	1200	60

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
AUG 1995 16...	<10	<0.10	0.2	2	2	<4	<10	19000	19000	<10	<10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SALT CREEK AT RANGE ROAD 316 ON WSMR, NM (331632106235010)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
AUG 1995	16...	1200	0.50	25000	8.1	32.0	23.5	659	9.8	146	4100	3900	890
DATE	TIME	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
AUG 1995	16...	440	5200	36	14	165	0	135	127	3700	7600	2.6	1.6
DATE	TIME	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	
AUG 1995	16...	15	19100	18000	<0.010	<0.050	0.150	0.35	0.60	0.50	0.020	<0.010	
DATE	TIME	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	
AUG 1995	16...	<0.010	200	20	3	2	100	<100	950	970	<4	<4.0	
DATE	TIME	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	
AUG 1995	16...	<10	<10	<10	<10	230	10	<10	<4	1300	900	30	
DATE	TIME	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
AUG 1995	16...	20	<0.10	0.6	3	3	<4	<4.0	17000	17000	<10	<10	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SALT CREEK 4 AT RANGE ROAD 7 ON WSMR, NM (332057106211310)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	HARD-NESS NONCARB DISSOLV FLD AS CaCO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
AUG 1995	18...	1300	7.0	18000	7.9	32.0	26.5	655	9.7	150	2300	2200	620

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)
AUG 1995 18...	180	3000	27	84	149	0	122	143	1700	4700	1.8	0.86

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
AUG 1995												
18...	16	11100	10400	1.29	0.310	1.60	0.310	1.7	2.2	2.0	0.060	0.020

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
AUG 1995											
18...	<0.010	150	<10	3	2	200	200	420	420	<2	<1.0

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI) (01132)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
AUG 1995 18...	<10	<10	<4	<4	240	30	<4	<2	830	670	320

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	
	(01056)	(71900)	(71890)	(01147)	(01145)	(01077)	(01075)	(01082)	(01080)	(01092)	(01090)	
AUG 1995 18...		270	<4.0	0.1	<1	<1	<2	<2.0	11000	11000	10	<10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT HWY 6 AT LOS LUNAS, NM (344816106430010)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 1994 28...	1000	310	458	8.1	11.0	636	8.3	90	150	47	7.5	36
FEB 1995 10...	1700	946	416	7.6	11.5	634	8.8	97	140	43	7.4	31
MAY 04...	1500	3450	368	7.6	18.0	634	7.7	98	120	37	6.5	26
AUG 24...	0920	627	427	7.5	21.5	643	6.3	85	120	37	7.6	32

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT TOT IT FIELD (MG/L AS CACO3) (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT 1994 28...	1	4.5	--	--	--	132	66	19	298	259	69
FEB 1995 10...	1	4.2	150	0	123	125	52	16	257	227	78
MAY 04...	1	3.0	122	0	100	100	41	34	234	208	181
AUG 24...	1	4.5	212	0	174	121	60	15	264	260	622

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 1994 28...	1300	10	<1	5	4	88	<1	<1.0	<1	<1	1
FEB 1995 10...	930	10	<1	3	4	70	<1	<1.0	<1	<1	1
MAY 04...	2800	30	<1	3	3	65	<1	<1.0	<1	<1	1
AUG 24...	10000	2	<1	3	3	73	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. > 0.62 MM (70331)
OCT 1994 28...	<1	2	7	2	<1	<0.2	2	2.0	97	81	91
FEB 1995 10...	<1	4	6	1	<1	<0.2	2	3.0	74	189	92
MAY 04...	<1	3	3	2	<1	<0.2	1	2.0	389	3620	83
AUG 24...	<1	<1	9	2	<1	<0.2	2	2.0	786	1330	97

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN --- Continued

ATRISCO RIVERSIDE DRAIN AT MOUTH NEAR ISLETA, NM (345547106405510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 1994 02...	0930	58	420	7.8	14.0	628	6.6	78	150	48	7.6	30
FEB 1995 14...	1200	50	468	8.1	12.0	632	8.4	94	170	53	8.0	29
MAY 09...	1130	68	411	7.5	13.0	637	7.2	82	140	45	7.3	29
AUG 25...	1130	43	414	7.3	19.5	635	5.8	76	140	42	7.9	28

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CACO3) (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV 1994 02...	1	4.1	--	--	--	135	66	13	290	250	55
FEB 1995 14...	1	3.5	160	0	131	136	62	14	271	248	13
MAY 09...	1	3.2	150	0	123	126	61	14	266	233	17
AUG 25...	1	3.6	216	0	177	129	59	11	265	258	81

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV 1994 02...	730	4	<1	5	5	100	<1	<1.0	<1	<1	<1
FEB 1995 14...	110	4	<1	5	5	87	<1	<1.0	<1	<1	<1
MAY 09...	330	10	<1	4	4	84	<1	<1.0	<1	<1	1
AUG 25...	1100	2	<1	5	4	92	<1	<1.0	<1	<1	<1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994 02...	<1	34	5	2	<1	<0.2	<1	2.0	64	10	76
FEB 1995 14...	<1	58	4	1	<1	<0.2	1	3.0	29	3.9	70
MAY 09...	<1	120	4	3	<1	<0.2	2	2.0	47	8.6	79
AUG 25...	<1	150	5	2	<1	<0.2	1	2.0	119	14	87

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

ALBUQUERQUE RIVERSIDE DRAIN AT MOUTH NR ISLETA, NM (345550106404810)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS Ca) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS- SOLVED (MG/L AS Na) (00930)
NOV 1994												
03...	0930	70	486	7.8	14.5	629	6.2	74	170	54	8.6	34
FEB 1995												
14...	1100	51	468	8.2	12.0	633	6.8	76	170	54	8.2	33
MAY												
09...	0930	173	398	7.8	12.5	637	7.4	83	140	44	7.4	26
AUG												
25...	0920	141	423	7.4	20.5	636	6.2	83	140	43	8.7	28

DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH IT FIELD MG/L AS HCO3 (00450)	CAR- BONATE WATER WH IT FIELD MG/L AS CO3 (00447)	ALKA- LITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C TUENTS, DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
NOV 1994											
03...	1	4.9	--	--	--	150	69	16	313	277	19
FEB 1995											
14...	1	4.1	171	0	140	143	64	17	303	265	19
MAY											
09...	1	3.2	148	0	121	122	58	12	258	224	49
AUG											
25...	1	3.8	185	0	152	133	63	9.5	270	247	312

DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
NOV 1994											
03...	220	4	<1	6	6	120	<1	<1.0	<1	<1	<1
FEB 1995											
14...	280	3	<1	5	5	110	<1	<1.0	<1	<1	<1
MAY											
09...	850	30	<1	4	4	80	<1	<1.0	<1	<1	1
AUG											
25...	5100	2	<1	3	4	82	<1	<1.0	<1	<1	<1

DATE	LEAD, DIS- SOLVED (UG/L AS Pb) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS Mn) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS Mo) (01060)	NICKEL, DIS- SOLVED (UG/L AS Ni) (01065)	SILVER, TOTAL RECOV- ERABLE (UG/L AS Ag) (01077)	SILVER, DIS- SOLVED (UG/L AS Ag) (01075)	ZINC, DIS- SOLVED (UG/L AS Zn) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
03...	<1	150	7	2	<1	<0.2	<1	2.0	31	5.8	93
FEB 1995											
14...	<1	360	5	1	<1	<0.2	<1	4.0	26	3.6	76
MAY											
09...	<1	69	4	3	<1	<0.2	1	3.0	75	35	87
AUG											
25...	<1	7	5	2	<1	<0.2	<1	2.0	377	144	95

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE 4.9 MI BL ALB. WWTP, NM (345705106405210)
(CITY R-02)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 1994												
06...	1415	558	428	8.1	17.5	631	7.4	94	--	--	--	--
27...	1000	375	429	8.0	12.0	637	9.0	100	130	41	6.7	34
FEB 1995												
10...	1030	962	387	8.3	7.0	637	10.0	99	130	41	7.3	28
MAY												
03...	1100	3800	361	7.7	19.0	626	7.8	103	120	36	6.6	26
AUG												
23...	1000	855	405	7.5	22.0	644	6.1	83	120	37	7.4	31

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD HCO3 (00450)	CAR-BONATE WATER WH IT FIELD CO3 (00447)	ALKA-LINITY WAT WH TOT IT FIELD CACO3 (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	CYANIDE TOTAL (MG/L AS CN) (00720)
OCT 1994												
06...	--	--	--	--	--	--	--	--	--	--	--	<0.010
27...	1	4.5	--	--	--	114	60	19	272	234	75	--
FEB 1995												
10...	1	3.4	150	0	123	122	48	14	246	216	23	--
MAY												
03...	1	2.8	121	0	99	98	55	14	234	200	238	--
AUG												
23...	1	4.5	165	0	135	118	61	13	258	235	362	--

DATE	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 1994												
06...	<0.01	--	--	--	--	--	--	--	--	--	--	--
27...	--	1400	20	<1	4	4	77	<1	<1.0	<1	<1	1
FEB 1995												
10...	--	450	20	<1	3	3	64	<1	<1.0	<1	<1	<1
MAY												
03...	--	3300	30	<1	3	3	64	<1	<1.0	<1	<1	1
AUG												
23...	--	6100	4	<1	3	3	65	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, DIS-SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994											
06...	--	--	--	--	--	--	--	--	--	--	--
27...	<1	5	7	2	<1	<0.2	4	2.0	94	95	92
FEB 1995											
10...	<1	4	5	1	<1	<0.2	3	3.0	57	148	77
MAY											
03...	<1	4	3	3	<1	<0.2	1	2.0	411	4220	59
AUG											
23...	<1	<1	8	2	<1	<0.2	3	2.0	419	967	94

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

ALBUQUERQUE WASTEWATER TREATMENT PLANT OUTFALL, NM (350104106401110)

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 1994	05...	88	822	7.0	--	--	--	--	--	--	--	--
NOV	01...	91	823	7.3	22.5	634	4.6	64	120	39	5.8	100
FEB 1995	16...	86	825	7.0	19.0	641	6.8	88	120	40	6.0	110
MAY	09...	82	836	6.9	23.0	635	5.5	78	120	39	6.2	110
AUG	28...	93	801	7.0	28.0	637	6.0	93	110	32	6.1	100

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CAC03) (00419)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	CYANIDE TOTAL (MG/L AS CN) (00720)
OCT 1994	--	--	--	--	--	--	--	--	--	--	--	<0.010
NOV	4	13	--	--	--	121	85	80	518	395	8	--
FEB 1995	4	14	172	0	141	100	92	83	524	430	15	--
MAY	4	14	200	0	164	138	92	75	513	435	13	--
AUG	4	11	142	0	116	94	81	82	506	382	9	--

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 1994	--	--	--	--	--	--	--	--	--	--	--
NOV	290	30	<1	11	10	32	<1	<1.0	<1	<1	4
FEB 1995	150	30	<1	11	10	37	<1	<1.0	<1	<1	3
MAY	190	30	<1	9	9	42	<1	<1.0	2	<1	5
AUG	210	20	<1	7	7	24	<1	<1.0	<1	<1	4

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994	--	--	--	--	--	--	--	--	--	--	--
NOV	<1	19	29	3	2	0.8	18	1.0	24	5.9	80
FEB 1995	<1	27	20	2	1	0.2	21	1.0	16	3.7	68
MAY	2	24	30	4	1	0.2	29	2.0	22	4.9	70
AUG	<1	17	41	2	1	<0.2	22	<1.0	51	13	86

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

ALBUQUERQUE RSD BLW GATE N OF CENTRAL BLVD, NM (350547106411610)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
FEB 1995												
14...	0800	74	407	8.4	8.0	633	8.6	88	160	50	7.6	26
MAY												
08...	1500	171	353	7.5	13.0	630	8.8	101	130	40	6.8	22
AUG												
24...	1650	12	389	7.5	22.5	637	6.5	90	130	40	8.2	25

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CAC03) (00419)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
FEB 1995											
14...	0.9	2.7	154	0	126	131	56	12	258	230	8
MAY											
08...	0.8	2.7	131	0	107	109	55	9.5	222	201	71
AUG											
24...	0.9	3.1	183	0	150	122	61	7.8	250	235	496

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
FEB 1995											
14...	140	3	<1	3	4	93	<1	<1.0	<1	<1	<1
MAY											
08...	1000	20	<1	3	3	71	<1	<1.0	<1	<1	1
AUG											
24...	7200	4	<1	3	3	72	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB 1995											
14...	<1	5	4	<1	<1	<0.2	1	4.0	18	3.6	61
MAY											
08...	<1	6	3	3	<1	<0.2	1	2.0	113	52	86
AUG											
24...	<1	<1	4	1	<1	<0.2	<1	2.0	535	17	99

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

CORRALES RSD AT MOUTH NEAR RIO RANCHO, NM (350812106412010)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CaCO_3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)
NOV 1994 01...	1500	4.4	388	8.1	13.0	628	7.3	84	140	46	7.2	25
FEB 1995 13...	1430	5.5	429	8.0	9.5	633	8.6	91	160	53	7.9	27
MAY 08...	1100	13	414	7.3	11.0	631	7.6	84	150	49	7.9	26

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO_3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO_3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CaCO_3) (00419)	ALKA-LINITY LAB (MG/L AS CaCO_3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV 1994 01...	0.9	3.6	--	--	--	130	58	9.2	260	227	76
FEB 1995 13...	0.9	3.3	167	0	137	140	60	12	274	246	26
MAY 08...	0.9	3.1	160	0	131	134	58	12	265	235	28

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS Al) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS Al) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS Sb) (01095)	ARSENIC TOTAL (UG/L AS As) (01002)	ARSENIC DIS-SOLVED (UG/L AS As) (01000)	BARIUM, DIS-SOLVED (UG/L AS Ba) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS Be) (01010)	CADMIUM, DIS-SOLVED (UG/L AS Cd) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS Cr) (01030)	COBALT, DIS-SOLVED (UG/L AS Co) (01035)	COPPER, DIS-SOLVED (UG/L AS Cu) (01040)
NOV 1994 01...	2100	10	<1	4	4	110	<1	<1.0	<1	<1	<1
FEB 1995 13...	520	7	<1	4	3	130	<1	<1.0	<1	<1	<1
MAY 08...	500	20	<1	3	3	99	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS Pb) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS Mn) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS Mo) (01060)	NICKEL, DIS-SOLVED (UG/L AS Ni) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS Ag) (01077)	SILVER, DIS-SOLVED (UG/L AS Ag) (01075)	ZINC, DIS-SOLVED (UG/L AS Zn) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994 01...	<1	16	5	1	<1	<0.2	<1	2.0	93	1.1	98
FEB 1995 13...	<1	200	4	1	<1	<0.2	<1	2.0	35	0.52	100
MAY 08...	<1	91	4	3	<1	<0.2	<1	2.0	44	1.5	91

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

UPPER CORRALES RSD AT MOUTH NEAR CORRALES, NM (351153106383510)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT 1994 31...	1315	50	394	8.4	14.0	635	8.0	94	140	45	7.5	26
FEB 1995 13...	1230	21	404	8.2	11.0	633	8.9	97	150	49	7.6	24
MAY 08...	0900	57	360	7.3	9.0	631	8.6	90	130	41	7.2	22
AUG 24...	1415	58	369	7.5	23.5	638	6.7	95	120	37	7.8	25

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD HCO3 (00450)	CAR-BONATE WATER WH IT FIELD CO3 (00447)	ALKA-LINITY WAT WH TOT IT FIELD CACO3 (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT 1994 31...	0.9	3.4	--	--	--	130	61	9.7	259	231	31
FEB 1995 13...	0.8	3.1	156	0	128	130	55	12	253	228	11
MAY 08...	0.8	2.5	129	0	106	111	55	11	231	202	86
AUG 24...	1	3.1	190	0	156	116	60	6.7	239	233	750

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
OCT 1994 31...	500	8	<1	3	3	96	<1	<1.0	<1	<1	<1
FEB 1995 13...	160	5	<1	4	3	100	<1	<1.0	<1	<1	<1
MAY 08...	1000	40	<1	3	2	77	<1	<1.0	<1	<1	1
AUG 24...	10000	4	<1	2	3	71	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 1994 31...	<1	21	4	2	<1	<0.2	<1	2.0	60	8.2	73
FEB 1995 13...	<1	44	4	1	<1	<0.2	1	3.0	19	1.1	89
MAY 08...	<1	22	3	2	<1	<0.2	<1	2.0	123	19	85
AUG 24...	<1	2	4	<1	<1	<0.2	<1	2.0	857	133	97

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO RANCHO WASTEWATER TREATMENT PLANT NO.2 OUTFALL, NM (351533106354610)

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 1994												
04...	1045	2.7	797	7.6	22.0	628	6.4	90	65	22	2.5	140
FEB 1995												
15...	1400	3.1	827	7.7	16.5	627	6.9	86	62	20	2.9	140
MAY												
10...	1000	2.5	880	7.5	20.5	636	6.6	89	63	20	3.1	160
AUG												
28...	1230	0.78	834	7.2	28.0	640	5.8	89	51	15	3.2	150

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CACO3) (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV 1994											
04...	8	13	--	--	--	172	90	54	519	425	7
FEB 1995											
15...	8	14	205	0	168	168	95	65	519	438	5
MAY											
10...	9	14	182	0	149	152	97	72	568	456	2
AUG											
28...	9	12	171	0	140	142	96	62	541	422	<1

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV 1994											
04...	100	30	<1	17	17	21	<1	<1.0	<1	<1	3
FEB 1995											
15...	60	30	<1	21	18	15	<1	<1.0	2	<1	4
MAY											
10...	60	20	<1	16	14	11	<1	<1.0	2	<1	5
AUG											
28...	70	30	<1	14	14	6	<1	<1.0	1	<1	6

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994											
04...	<1	4	10	1	<1	<0.2	41	1.0	20	0.15	98
FEB 1995											
15...	<1	2	11	<1	<1	<0.2	36	2.0	14	0.12	82
MAY											
10...	1	2	12	2	<1	<0.2	40	1.0	30	0.21	83
AUG											
28...	<1	1	13	1	<1	<0.2	38	<1.0	71	0.15	89

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO RANCHO WASTEWATER TREATMENT PLANT NO.3 OUTFALL, NM (351655106355310)

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 1994 04...	1000	0.37	2110	7.4	21.0	627	6.3	87	370	120	17	270
FEB 1995 15...	1300	0.38	1040	7.3	17.0	627	6.5	82	87	28	4.2	180
MAY 10...	1130	0.34	2120	6.9	20.0	634	6.6	88	370	120	17	280
AUG 28...	1150	0.43	1090	7.2	28.0	640	5.8	89	79	24	4.6	180

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO3) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO3) (00447)	ALKA-LINITY WAT WH TOT IT FIELD (MG/L AS CACO3) (00419)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV 1994 04...	6	34	--	--	--	139	190	430	1280	1140	4
FEB 1995 15...	8	30	210	0	172	181	88	130	642	564	8
MAY 10...	6	37	146	0	120	123	190	440	1290	1160	1
AUG 28...	9	26	200	0	164	166	95	150	679	578	3

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SE) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV 1994 04...	60	10	<1	14	14	47	<1	<1.0	<1	<1	2
FEB 1995 15...	60	20	<1	17	15	17	<1	<1.0	1	<1	2
MAY 10...	40	10	<1	12	14	58	<1	<1.0	2	<1	3
AUG 28...	80	30	<1	14	14	12	<1	<1.0	1	<1	4

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 1994 04...	1	3	<1	3	<1	<0.2	35	<1.0	40	0.04	92
FEB 1995 15...	<1	2	7	<1	<1	<0.2	42	<1.0	29	0.03	78
MAY 10...	3	3	<1	6	<1	<0.2	46	<1.0	40	0.04	77
AUG 28...	1	1	7	1	<1	<0.2	48	<1.0	31	0.04	80

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

BERNALILLO WASTEWATER TREATMENT PLANT OUTFALL, NM (351827106333710)

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
NOV 1994 03...	1257	0.72	1400	7.8	17.5	623	5.7	74	250	79	12	180
FEB 1995 15...	1100	0.74	1240	7.4	13.5	627	6.5	76	250	79	12	170
MAY 10...	0830	0.80	1420	7.2	17.0	635	5.7	71	240	78	12	190
AUG 28...	1015	0.91	1300	7.3	25.0	639	5.7	83	220	70	12	160

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER WH IT FIELD HCO3 (00450)	CAR-BONATE WATER WH IT FIELD CO3 (00447)	ALKA-LINITY WAT WH TOT IT FIELD CACO3 (00419)	ALKA-LINITY LAB AS CACO3 (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
NOV 1994 03...	5	16	--	--	--	147	130	230	882	735	5
FEB 1995 15...	5	16	176	0	144	148	130	200	828	694	8
MAY 10...	5	17	160	0	138	145	140	230	898	746	4
AUG 28...	5	13	199	0	163	167	130	190	806	673	<1

DATE	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV 1994 03...	120	60	<1	22	20	20	<1	<1.0	<1	<1	<1
FEB 1995 15...	150	40	<1	18	16	28	<1	<1.0	<1	<1	1
MAY 10...	80	30	<1	18	19	24	<1	<1.0	2	<1	2
AUG 28...	150	100	<1	10	11	27	<1	<1.0	<1	<1	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. X FINER THAN .062 MM (70331)
NOV 1994 03...	<1	22	2	3	<1	<0.2	9	3.0	25	0.05	97
FEB 1995 15...	<1	5	3	2	<1	<0.2	17	4.0	52	0.10	98
MAY 10...	2	1	3	4	<1	<0.2	22	3.0	26	0.06	80
AUG 28...	<1	26	2	2	<1	<0.2	20	5.0	81	0.20	92

RIO GRANDE AT HWY 44 AT BERNALILLO, NM (351921106332710)

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	CYANIDE TOTAL (MG/L AS CN) (00720)	CYANIDE DIS-SOLVED (MG/L AS CN) (00723)
OCT 1994 04...	1145	565	222	8.4	17.5	636	8.3	104	<0.010	<0.01

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SUNLAND PARK WWTP AT SUNLAND PARK, NM (314754106332110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	PONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)
JAN 1995 06...	0930	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
JAN 1995 06...	0.023	0.052	<0.001	<0.002	<0.005	<0.004	0.067	<0.001	<0.021	<0.002
DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 06...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
DATE	FEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PROM- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 06...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
JAN 1995 06...	<0.004	EO.013	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

DATE	TIME	PRO- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	<1.0	
06...	0745	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
06...	0745	--	--	--	--	--	--	--	--	--	--	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P, P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P, P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P, P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	
JAN 1995	06...	<0.1	--	<0.1	<1.0	0.7	3.2	0.7	--	<0.4	<0.1	<0.1	<0.2
06...	--	--	<0.004	--	--	--	--	<0.001	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	
JAN 1995	06...	<10	<0.1	--	<0.1	<0.4	<1	<0.2	--	<0.2	--	<0.2	--
06...	--	--	--	<0.002	--	--	--	--	<0.005	--	<0.004	--	<0.002
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995	06...	<0.2	--	<0.1	--	<0.2	--	--	<1.00	--	--	--	--
06...	--	--	<0.001	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PET- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.013
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAFROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- FARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	<0.005
06...	--	--	--	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

NEMEXAS DRAIN AT MEADOWLARK DRIVE NR EL PASO, TX (315007106355410)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
JAN 1995 06...	1230	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
JAN 1995 06...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	0.004	<0.070	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER FLTRD DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 06...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 06...	<0.004	<0.010	<0.004	<0.003	<0.002	E0.011	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- THION WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995 06...	<0.004	<0.003	<0.002	0.006	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

EAST SIDE DRAIN AT LEVEE ROAD NEAR ANTHONY, TX (315807106361910)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	<1.0	
06...	0910	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE	TIME	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	
JAN 1995	06...	<0.1	--	<0.1	2.0	2.7	4.6	0.6	--	<0.4	<0.1	<0.2	
06...	--	--	<0.004	--	--	--	--	--	<0.001	--	--	--	
DATE	TIME	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
JAN 1995	06...	<10	<0.1	--	<0.1	<0.4	<1	<0.2	--	<0.2	--	0.3	--
06...	--	--	--	<0.002	--	--	--	--	<0.005	--	<0.004	--	<0.002
DATE	TIME	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995	06...	<0.2	--	<0.1	--	<0.2	--	--	<1.00	--	--	--	--
06...	--	--	0.004	--	<0.021	--	<0.002	<0.002	--	0.011	<0.003	<0.002	<0.004
DATE	TIME	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	E0.005	<0.013
DATE	TIME	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995	06...	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.014	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT RT 404 BRIDGE NEAR CHAMBERINO, NM (320122106385510)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)
JAN 1995 05...	1130	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
JAN 1995 05...	<0.004	<0.004	<0.001	0.004	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER FLTRD DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 05...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 05...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995 05...	<0.004	<0.003	<0.002	0.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LA MESA DRAIN AT LEVEE ROAD NEAR CHAMBERINO, NM (320214106392510)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995													
05...	0830	--	--	--	--	--	--	--	--	--	--	<1.0	
05...	0830	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)
JAN 1995													
05...	<0.1	--	<0.1	<1.0	0.6	3.0	0.2	--	<0.1	<0.1	<0.1	<0.2	
05...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
JAN 1995													
05...	<10	<0.1	--	<0.1	<0.1	<1	<0.2	--	<0.2	--	<0.2	--	
05...	--	--	0.005	--	--	--	--	<0.005	--	<0.004	--	<0.002	
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995													
05...	0.2	--	<0.1	--	<0.2	--	--	<1.00	--	--	--	--	--
05...	--	<0.001	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004	
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
05...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	
DATE		PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--
05...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

DEL RIO DRAIN AT LEVEE ROAD NEAR VADO, NM (320610106393110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995													
04...	1515	--	--	--	--	--	--	--	--	--	--	<1.0	
04...	1515	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE	TIME	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	
JAN 1995													
04...	<0.1	--	<0.1	<1.0	0.6	2.8	1.1	--	<0.1	<0.1	<0.1	<0.2	
04...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE	TIME	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
JAN 1995													
04...	<10	<0.1	--	<0.1	<0.1	<1	<0.2	--	<0.2	--	<0.2	--	
04...	--	--	0.006	--	--	--	--	<0.005	--	<0.004	--	<0.002	
DATE	TIME	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995													
04...	<0.2	--	<0.1	--	<0.2	--	<0.002	<0.002	<1.00	--	--	--	--
04...	--	<0.001	--	<0.021	--	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE	TIME	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	TIME	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995													
04...	--	--	--	--	--	--	--	--	--	--	--	--	--
04...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LA MESA DRAIN AT RT 192 NEAR SAN MIGUEL, NM (320936106431710)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	
JAN 1995 05...	1000	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	
DATE		CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
JAN 1995 05...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002	
DATE		ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 05...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	
DATE		PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 05...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	
DATE		PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
JAN 1995 05...	<0.004	<0.003	<0.002	0.002	<0.004	<0.003	<0.013	<0.001	<0.005		

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT RT 192 NEAR SAN MIGUEL, NM (320943106425810)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DISS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
JAN 1995 05...	0800	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
JAN 1995 05...	<0.004	<0.004	<0.001	0.010	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD 0.7 U GF, REC (UG/L) (49260)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 05...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 05...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995 05...	<0.004	<0.003	<0.002	0.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

DEL RIO DRAIN AT PIANO ROAD NEAR SANTO TOMAS, NM (321210106443210)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	
JAN 1995 05...	1215	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	
DATE		CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
JAN 1995 05...		<0.004	<0.004	<0.001	0.005	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
DATE		ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 05...		<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
DATE		PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 05...		<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
DATE		PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
JAN 1995 05...		<0.004	<0.003	<0.002	0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

PICACHO DRAIN NEAR SAN PABLO, NM (321457106492110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995													
06...	1050	--	--	--	--	--	--	--	--	--	--	<1.0	
06...	1050	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	E0.002	<0.004	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)
JAN 1995													
06...	<0.1	--	<0.1	<1.0	1.5	5.9	1.4	--	<0.4	<0.1	<0.1	<0.2	
06...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOKIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
JAN 1995													
06...	<10	<0.1	--	<0.1	<0.4	<1	<0.2	--	<0.2	--	<0.2	--	
06...	--	--	0.003	--	--	--	--	<0.005	--	<0.004	--	<0.002	
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENSOR DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995													
06...	<0.2	--	<0.1	--	<0.2	--	<0.002	<0.002	<1.00	--	--	--	--
06...	--	<0.001	--	<0.021	--	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PET- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
JAN 1995													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.003	<0.013
DATE		PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- FARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE ABOVE NM 359 BRIDGE AT MESILLA, NM (321601106494110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	
JAN 1995 06...	0800	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	
DATE		CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
JAN 1995 06...		<0.004	<0.004	<0.001	0.010	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
DATE		ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 06...		<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
DATE		PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 06...		<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
DATE		PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
JAN 1995 06...		<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

LAS CRUCES WWTP OUTFLOW AT LEVEE RD LAS CRUCES, NM (321739106495110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV REC, (UG/L) (34653)
JAN 1995 05...	1500	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
JAN 1995 05...	0.030	<0.004	<0.001	<0.002	<0.005	<0.004	0.066	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 05...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOION WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 05...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ATIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995 05...	<0.004	E0.015	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT SHALEM BRIDGE NEAR DONA ANA, NM (322234106511710)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)	
JAN 1995 04...	1530	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	
DATE		CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
JAN 1995 04...		<0.004	<0.004	<0.001	0.004	<0.005	<0.004	<0.002	<0.001	<0.060	<0.002
DATE		ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
JAN 1995 04...		<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
DATE		PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
JAN 1995 04...		<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
DATE		PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	
JAN 1995 04...		<0.004	<0.003	<0.002	0.002	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SELDEN DRAIN AT LEVEE ROAD NEAR LEASBURG, NM (322541106525110)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
JAN 1995													
04...	1430	--	--	--	--	--	--	--	--	--	--	<1.0	
04...	1430	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE	TIME	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)
JAN 1995													
04...		<0.1	--	<0.1	<1.0	1.5	1.2	6.1	--	<0.1	<0.1	<0.1	<0.2
04...		--	<0.004	--	--	--	--	--	<0.001	--	--	--	--
DATE	TIME	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOKIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)
JAN 1995													
04...		<10	<0.1	--	<0.1	<0.1	<1	<0.2	--	<0.2	--	<0.2	--
04...		--	--	0.004	--	--	--	--	<0.005	--	<0.004	--	<0.002
DATE	TIME	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
JAN 1995													
04...		<0.2	--	<0.1	--	<0.2	--	--	<1.00	--	--	--	--
04...		--	<0.001	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE	TIME	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (92664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (92665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (92666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (92667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (92668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (92669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (92670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (92671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (92672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (92673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (92674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (92675)
JAN 1995													
04...		--	--	--	--	--	--	--	--	--	--	--	--
04...		<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
DATE	TIME	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
JAN 1995													
04...		--	--	--	--	--	--	--	--	--	--	--	--
04...		<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.005	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RINCON DRAIN AT RIO GRANDE, NEAR RINCON, NM (323410106594403)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
OCT 1994 26...	0840	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	E0.002	<0.004	--	
JAN 1995 03...	1330	--	--	--	--	--	--	--	--	--	--	<1.0	
03...	1330	<0.007	<0.002	<0.005	E0.007	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	
OCT 1994 26...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
JAN 1995 03...	<0.1	--	<0.1	<1.0	1.4	44	0.4	--	<0.1	<0.1	<0.1	<0.2	
03...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	
OCT 1994 26...	--	--	--	0.013	--	--	--	--	<0.005	--	<0.004	<0.002	
JAN 1995 03...	<10	<0.1	--	<0.1	<0.1	<1	<0.2	--	<0.2	--	<0.2	--	
03...	--	--	E0.003	--	--	--	--	<0.005	--	<0.004	--	<0.002	
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994 26...	--	<0.001	--	<0.021	--	<0.002	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
JAN 1995 03...	<0.2	--	<0.1	--	<0.2	--	--	--	<1.00	--	--	--	--
03...	--	<0.001	--	<0.021	--	<0.002	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PFB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994 26...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.003	<0.013
JAN 1995 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
03...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.003	<0.013
DATE		FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994 26...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.21	<0.004	<0.003	<0.013	<0.001	<0.005	
JAN 1995 03...	--	--	--	--	--	--	--	--	--	--	--	--	
03...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.007	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE ABOVE RINCON DRAIN, NEAR RINCON, NM (323414106594903)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 1994 26...	1030	<0.007	<0.002	E0.005	E0.006	<0.002	<0.004	<0.003	<0.002	<0.006
26...	1035	--	--	--	--	--	--	--	--	--
JAN 1995 03...	1740	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN SOLVED (UG/L) (39381)	METO- LACHLOR DISSOLV (UG/L) (39415)	MALA- THION, SOLVED (UG/L) (39532)	PARA- THION, SOLVED (UG/L) (39542)	DI- AZINON, SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT 1994 26...	<0.004	<0.004	<0.001	E0.003	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
26...	--	--	--	--	--	--	--	--	--	--
JAN 1995 03...	<0.004	<0.004	<0.001	0.009	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 1994 26...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
26...	--	--	--	--	--	--	--	--	--	--
JAN 1995 03...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	E0.004

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 1994 26...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
26...	--	--	--	--	--	--	--	--	--	--
JAN 1995 03...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994 26...	<0.004	<0.003	<0.002	E0.003	<0.004	<0.003	<0.013	<0.001	<0.005
26...	--	--	--	--	--	--	--	--	--
JAN 1995 03...	<0.004	<0.003	<0.002	E0.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

HATCH DRAIN AT RIO GRANDE, NEAR HATCH, NM (323917107055603)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	PONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
OCT 1994 25...	1450	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
JAN 1995 04...	1150	--	--	--	--	--	--	--	--	--	--	<1.0	
04...	1150	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)
OCT 1994 25...	--	<0.004	--	--	--	--	--	--	<0.001	--	--	--	--
JAN 1995 04...	<0.1	--	<0.1	<1.0	0.6	4.8	0.3	--	<0.1	<0.1	<0.1	<0.2	
04...	--	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	
OCT 1994 25...	--	--	--	0.027	--	--	--	--	<0.005	--	<0.004	--	<0.002
JAN 1995 04...	<10	<0.1	--	<0.1	<0.1	<1	<0.2	--	<0.2	--	<0.2	--	
04...	--	--	0.41	--	--	--	--	<0.005	--	<0.004	--	<0.002	
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994 25...	--	<0.001	--	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
JAN 1995 04...	<0.2	--	<0.1	--	--	<0.2	--	--	<1.00	--	--	--	--
04...	--	<0.001	--	<0.021	--	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUPFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994 25...	<0.002	<0.007	<0.002	<0.006	0.009	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	
JAN 1995 04...	--	--	--	--	--	--	--	--	--	--	--	--	
04...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	
DATE		FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994 25...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.071	<0.004	<0.003	<0.013	<0.001	<0.005	
JAN 1995 04...	--	--	--	--	--	--	--	--	--	--	--	--	
04...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.062	<0.004	<0.003	<0.013	<0.001	<0.005	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RINCON DRAIN 0.5 MILE EAST OF 140 NEAR RINCON, NM (323931107042003)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	PONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 1994 25...	1630	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
25...	1635	--	--	--	--	--	--	--	--	--
JAN 1995 04...	0830	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN SOLVED (UG/L) (39381)	METO- LACHLOR DISSOLV (UG/L) (39415)	MALA- THION, SOLVED (UG/L) (39532)	PARA- THION, SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, REC, (UG/L) (46342)
OCT 1994 25...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995 04...	<0.004	<0.004	<0.001	EO.003	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 1994 25...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995 04...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (82678)
OCT 1994 25...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995 04...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (82681)	DCPA WATER FLTRD 0.7 U GF, REC (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (82687)
OCT 1994 25...	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
25...	--	--	--	--	--	--	--	--	--
JAN 1995 04...	<0.004	<0.003	<0.002	EO.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

RIO GRANDE AT ROAD 187 NEAR HATCH, NM (324056107112103)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BEC DIS- SOLVED (UG/L) (34253)	P, P' DDE DISSOLV (UG/L) (34653)
OCT 1994										
25...	1100	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
25...	1105	--	--	--	--	--	--	--	--	--
JAN 1995										
03...	1245	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
OCT 1994										
25...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
03...	<0.004	<0.004	<0.001	EO.009	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT GF, REC (UG/L) (82663)	PHORATE WATER FLTRD GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	EPTC WATER FLTRD GF, REC (UG/L) (82668)
OCT 1994										
25...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
03...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	0.009

DATE	PFB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLT GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 1994										
25...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
03...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT GF, REC (UG/L) (82687)
OCT 1994									
25...	<0.004	<0.003	<0.002	0.007	<0.004	<0.003	<0.013	<0.001	<0.005
25...	--	--	--	--	--	--	--	--	--
JAN 1995									
03...	<0.004	<0.003	<0.002	EO.003	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

HATCH DRAIN AT ROAD 391, NEAR SALEM, NM (324121107124603)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 1994										
25...	0830	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
25...	0835	--	--	--	--	--	--	--	--	--
JAN 1995										
04...	0830	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	E0.002

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (39933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEX, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT 1994										
25...	<0.004	<0.004	<0.001	E0.005	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
04...	<0.004	<0.004	<0.001	E0.004	<0.005	<0.004	<0.002	<0.001	<0.021	<0.002

DATE	ACETO- CHLOR, WATER FLTRD 0.7 U GF, REC (UG/L) (82660)	METRI- BUZIN SENCOR WATER FLTRD 0.7 U GF, REC (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT 1994										
25...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
04...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PFB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 1994										
25...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
25...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
04...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994									
25...	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
25...	--	--	--	--	--	--	--	--	--
JAN 1995									
04...	<0.004	<0.003	<0.002	E0.001	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

GARFIELD DRAIN AT ROAD 390 NEAR SALEM, NM (324255107142703)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	
OCT 1994 24...	1600	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
JAN 1995 05...	1040	--	--	--	--	--	--	--	--	--	--	<1.0	
	05...	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006	<0.004	--	
DATE		ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	LINDANE DIS- SOLVED (UG/L) (39341)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)	P,P'- DDT, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39373)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39381)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	
OCT 1994 24...	--	<0.004	--	--	--	--	--	--	<0.001	--	--	--	
JAN 1995 05...	<0.1	--	<0.1	<1.0	0.2	1.5	0.5	--	<0.1	<0.1	<0.1	<0.2	
	05...	<0.004	--	--	--	--	--	<0.001	--	--	--	--	
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	METO- LACHLOR DISSOLV (UG/L) (39415)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39541)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39572)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	
OCT 1994 24...	--	--	--	E0.007	--	--	--	--	<0.005	--	<0.004	<0.002	
JAN 1995 05...	<10	<0.1	--	--	<0.1	<0.1	<1	<0.2	--	<0.2	<0.2	--	
	05...	--	--	E0.008	--	--	--	--	<0.005	--	<0.004	<0.002	
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	SILVEX, DIS- SOLVED (UG/L) (39762)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG) (81886)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
OCT 1994 24...	--	<0.001	--	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
JAN 1995 05...	<0.2	--	<0.1	--	--	<0.2	--	--	<1.00	--	--	--	--
	05...	--	<0.001	--	<0.021	--	<0.002	<0.002	--	<0.004	<0.003	<0.002	<0.004
DATE		PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 1994 24...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.003	<0.013
JAN 1995 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
	05...	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013
DATE		FRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAFROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
OCT 1994 24...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.004	<0.004	<0.003	<0.013	<0.001	<0.005	
JAN 1995 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
	05...	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002	0.013	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

GARFIELD DRAIN SE OF DERRY, NM (324708107164203)

DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
OCT 1994										
24...	1340	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
24...	1345	--	--	--	--	--	--	--	--	--
JAN 1995										
05...	0815	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	SILVEK, DIS- SOLVED (UG/L) (39762)	ALA- CHLOR, WATER, DISS, REC (UG/L) (46342)
OCT 1994										
24...	<0.004	<0.004	<0.001	0.034	<0.005	<0.004	<0.002	<0.001	--	<0.002
24...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
05...	<0.004	<0.004	<0.001	0.020	<0.005	<0.004	<0.002	<0.001	<0.070	<0.002

DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT GF, REC (UG/L) (82663)	PHORATE WATER FLTRD GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	EPTC WATER FLTRD GF, REC (UG/L) (82668)
OCT 1994										
24...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002
24...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
05...	<0.002	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002

DATE	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 1994										
24...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001
24...	--	--	--	--	--	--	--	--	--	--
JAN 1995										
05...	<0.004	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001

DATE	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT GF, REC (UG/L) (82683)	NAFROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- FARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT GF, REC (UG/L) (82687)
OCT 1994									
24...	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
24...	--	--	--	--	--	--	--	--	--
JAN 1995									
05...	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

RIO GRANDE BASIN -- Continued

SALT CREEK 3 AT RANGE ROAD 6 ON WSMR, NM (330716106234510)

DATE	TIME	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	2, 4-DP TOTAL (UG/L) (82183)
AUG 1995 18...	1030	0.02	<0.01	<0.01

SALT CREEK NR NW-50 ON WSMR, NM (331158106265710)

DATE	TIME	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	2, 4-DP TOTAL (UG/L) (82183)
AUG 1995 16...	1500	<0.01	<0.01	<0.01

SALT CREEK AT RANGE ROAD 316 ON WSMR, NM (331632106235010)

DATE	TIME	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	2, 4-DP TOTAL (UG/L) (82183)
AUG 1995 16...	1200	<0.01	<0.01	<0.01

SALT CREEK 4 AT RANGE ROAD 7 ON WSMR, NM (332057106211310)

DATE	TIME	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	2, 4-DP TOTAL (UG/L) (82183)
AUG 1995 18...	1300	<0.01	<0.01	<0.01

SAN JUAN RIVER BASIN

09357255 GALLEGOS CANYON AT NIIP NEAR FARMINGTON, NM

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SELE- NIUM, DIS- SOLVED (UG/L) AS SE (01145)
OCT 1994 06...	1350	14	1100	23.0	4
17...	1340	6.0	1890	13.5	5

09367536 OJO AMARILLO CANYON AT NIIP NEAR FRUITLAND, NM

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SELE- NIUM, DIS- SOLVED (UG/L) AS SE (01145)
OCT 1994 06...	1450	3.6	1550	13.5	11
17...	1130	8.2	1310	6.5	7

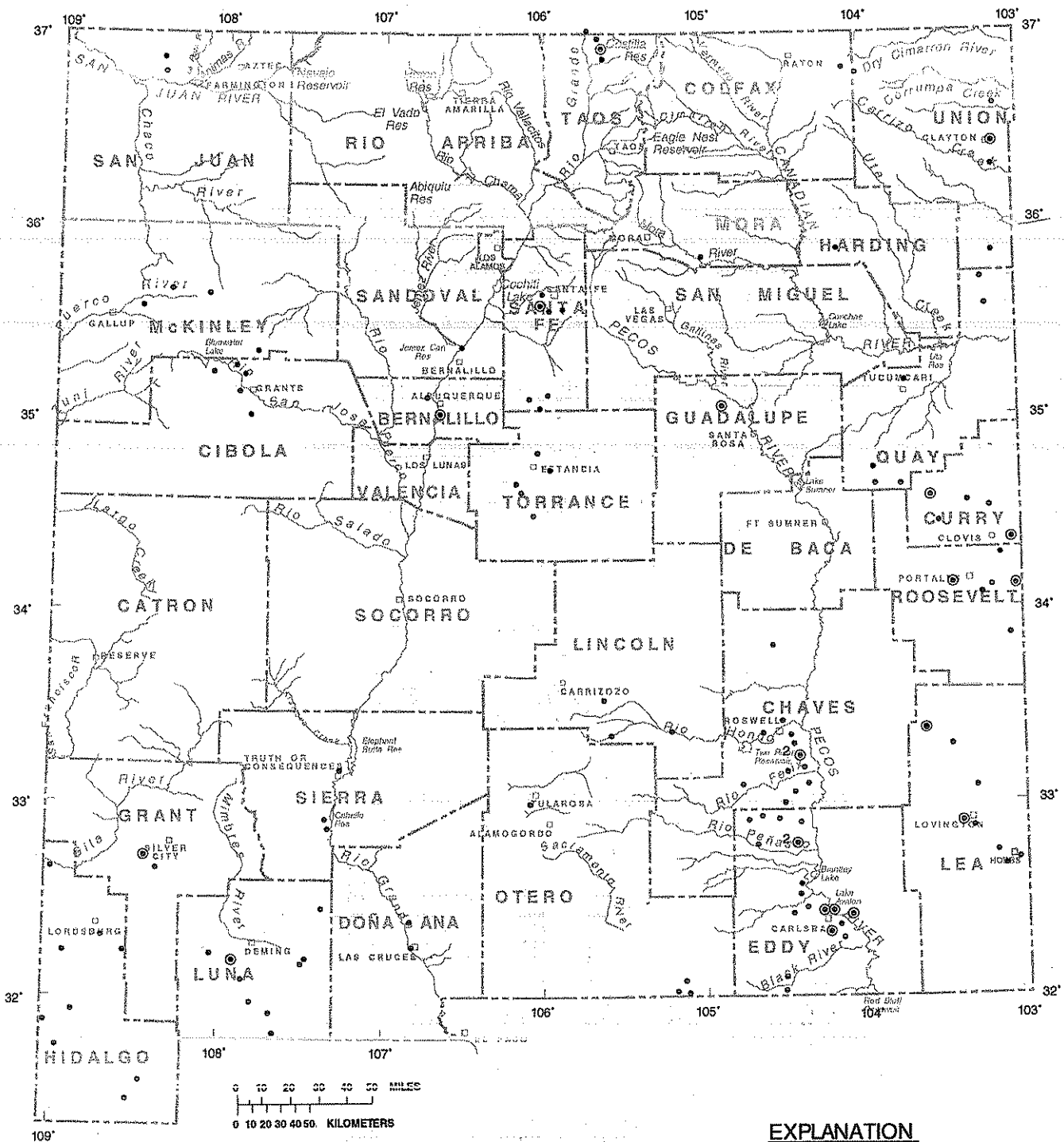


Figure 8.--Location of observation wells.

GROUND-WATER LEVELS

BERNALILLO COUNTY
Albuquerque Area

350256106390801. Local number, 10N.03E.32.314.

LOCATION.--Lat 35°02'56", long 106°39'08", Hydrologic Unit 13020203. Owner: City of Albuquerque.

AQUIFER.--Santa Fe Group.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 764 ft, perforated 188-764 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 4,941 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Lost several days of record, due to recorder malfunction.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.07 ft below land-surface datum, Jan. 5, 1987;
lowest measured, 45.23 ft below land-surface datum, July 16, 1994.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.84	37.60	36.46	36.17	36.09	37.11	36.84		---	40.64	42.85	41.51
10	39.71	37.20	36.62	36.47	36.16	36.96	37.22		---	41.32	42.87	41.01
15	39.79	36.44	36.37	35.20	36.32	37.01	37.99		40.84	41.40	42.83	39.88
20	38.26	36.17	36.21	35.47	37.15	37.53	---		41.21	39.61	42.18	38.88
25	38.38	36.83	36.67	35.03	36.94	37.66	---		42.01	39.76	40.41	38.95
EQM	36.95	36.36	36.26	36.01	36.29	37.41	---		41.09	39.86	40.42	38.88

WTR YR 1995 HIGHEST 34.82 JAN 23, 1995 LOWEST 43.84 AUG 12, 1995

351051106395304. Local number, 11N.03E.18.411.

LOCATION.--Lat 35°10'51", long 106°39'53", Hydrologic Unit 13020203. Owner: City of Albuquerque.

AQUIFER.--Santa Fe Group.

WELL CHARACTERISTICS.--Drilled water-table observation well, casing diameter 6 in., with 2 in., P.V.C. piezometer set at 980 ft., casing is screened from 870 to 1,050 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,995 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 2 in. P.V.C., 1.80 ft, above land-surface datum.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.29 ft below land-surface datum, Feb. 22, 1984;
lowest measured, 41.45 ft below land-surface datum, Aug. 28, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	39.72	NOV 29	37.30	DEC 21	38.62	JAN 24	38.70	FEB 21	38.79	MAR 27	38.09
APR 27	38.71	MAY 26	39.90	JUNE 28	40.60	JULY 28	41.16	AUG 28	41.45	SEP 29	41.39

CHAVES COUNTY
Roswell Basin

334138104343801. (formerly 334645104344501) Local number, 07S.23E.23.24431.

LOCATION.--Lat 33°46'45", long 104°34'45", Hydrologic Unit 13060005. Owner: Ted Nelson.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 14 in., depth 436 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,810 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Lower outer edge of mouth of discharge pipe, 3.71 ft above land-surface datum.

PERIOD OF RECORD.--May 1951 to Mar. 1960, Jan. 1962 to Jan. 1966, Jan. 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 239.83 ft below land-surface datum, May 26, 1951;
lowest measured, 290.80 ft below land-surface datum, Aug. 21, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 15	258.65
Aug.	not measured

GROUND-WATER LEVELS

CHAVES COUNTY
Roswell Basin

3326151043003601. Local number, 10S.24E.21.212.

LOCATION.--Lat 33°26'15", long 104°30'36", Hydrologic Unit 13060008. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well completed in San Andres Limestone, diameter 10 in., depth 324 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,580.65 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf, 3.60 ft above land-surface datum.

REMARKS.--Recorder removed Nov. 26, 1990. Monthly steel-tape measurements.

PERIOD OF RECORD.--June 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.06 ft below land-surface datum, Jan. 19, 1946; lowest measured, 74.40 ft below land-surface datum, July 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	36.50	NOV 23	34.60	DEC 23	32.70	JAN 25	31.70	FEB 24	32.20	MAR 24	34.60
APR 25	37.20	MAY 25	39.00	JUNE 26	40.80	JULY 25	42.20	AUG 25	42.60	SEP 25	38.60

332255104360401. Local number, 11S.23E.03.342.

LOCATION.--Lat 33°22'55", long 104°36'04", Hydrologic Unit 13060008. Owner: J. L. Mask.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 15 in., depth 478 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,725 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Mar. 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 156.97 ft below land-surface datum, Mar. 11, 1952; lowest measured, 198.96 ft below land-surface datum, Oct. 18, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 15	170.36
Aug. 16	177.83

331914104253701. (formerly 331930104261001) Local number, 11S.25E.29.34333.

LOCATION.--Lat 33°19'30", long 104°26'10", Hydrologic Unit 13060007. Owner: Valle Ranch.

AQUIFER.--Valley Fill

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 160 ft, cased to 160 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,535 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Edge of pump base, southeast corner, at land-surface datum.

PERIOD OF RECORD.--Aug. 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.30 ft below land-surface datum, Aug. 19, 1991; lowest measured, 21.72 ft below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 15	pumping
Aug. 17	pumping

331705104262801. (formerly 332200104270001) Local number, 12S.25E.09.422.

LOCATION.--Lat 33°17'05", long 104°26'28", Hydrologic Unit 13060007. Owner: Cumberland Townsite.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 10 in., reported depth 90 ft, cased to 90 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,564 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 3/4 in. collar, 0.62 ft above land-surface datum.

PERIOD OF RECORD.--May 1937 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.64 ft below land-surface datum, Oct. 16, 1941; lowest measured, 83.06 ft below land-surface datum, Aug. 21, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 15	65.41
Aug. 17	68.59

GROUND-WATER LEVELS

CHAVES COUNTY
Roswell Basin

331525104245201. (formerly 331205104245101) Local number, 12S.25E.23.344.

LOCATION.--Lat 33°15'25", long 104°24'52", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 9 to 7 in., depth 930 ft, 9 in. casing 0-304 ft, 7 in. casing 304-714 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,539 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf, 2.90 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Jan. 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.97 ft below land-surface datum, Feb. 9, 1993; lowest measured, 199.68 ft below land-surface datum, June 20, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.52	27.74	14.21	9.03	10.04	32.79	93.44	95.86	117.85	73.21	131.72	109.05
10	47.80	27.89	13.83	11.08	10.17	52.54	87.13	90.19	126.82	83.24	123.46	81.79
15	39.84	21.20	14.05	10.36	14.42	72.28	93.25	84.90	133.60	119.24	124.35	66.83
20	37.03	18.18	11.48	11.04	13.41	76.88	108.26	96.31	122.97	125.90	111.41	49.87
25	35.25	16.33	9.98	8.50	27.25	97.67	106.20	110.02	118.02	128.52	124.62	43.59
ECM	31.06	15.32	10.19	12.26	30.64	100.28	92.21	113.67	89.99	128.27	114.69	40.14

WTR YR 1995 HIGHEST 8.25 JAN 27, 1995 LOWEST 144.16 JUL 28, 1995

331524104245101. Local number, 12S.25E.23.344A.

LOCATION.--Lat 33°15'24", long 104°24'51", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., total depth 231 ft, cased to total depth, perforated 105-231 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,540 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf 2.90 ft above land-surface datum.

REMARKS.--Lost several days of record, due to recorder malfunction.

PERIOD OF RECORD.--1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft below land-surface datum, Apr. 9, 1995; lowest measured, 111.17 below land-surface datum, Sep. 22, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	103.95	103.39	103.18	102.65	102.32	101.93	101.72	101.71	102.00	102.34	---	102.84
10	104.10	103.34	103.18	102.70	102.20	101.93	101.87	101.83	102.10	102.32	---	102.91
15	103.96	103.34	103.05	102.65	102.22	101.93	101.73	101.76	102.11	102.35	---	102.94
20	104.10	103.25	103.03	102.65	102.18	101.81	101.69	101.88	102.18	---	102.71	102.95
25	104.19	103.24	103.00	102.62	102.01	101.77	101.65	101.96	102.21	---	102.72	103.01
ECM	104.07	103.21	102.96	102.54	102.14	101.75	101.69	102.00	102.30	---	102.81	103.06

WTR YR 1995 HIGHEST 101.62 APR 9, 1995 LOWEST 104.28 OCT 8, 1994

331213104241601. (formerly 331216104241701) Local number, 13S.25E.12.311.

LOCATION.--Lat 33°12'16", long 104°24'17", Hydrologic Unit 13060007. Owner: Hal Bogle.

AQUIFER.--Alluvium

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 13 in., depth 190 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,506 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.80 ft above land-surface datum.

REMARKS.--"s" indicates nearby well pumping.

PERIOD OF RECORD.--Jan. 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.23 ft below land-surface datum, Feb. 3, 1942; lowest measured, 90.13 ft below land-surface datum, Aug. 27, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	80.86
Aug. 17	89.20 s

GROUND-WATER LEVELS

CHAVES COUNTY
Roswell Basin

331002104254701. (formerly 331002104272001) Local number, 13S.25E.27.211.

LOCATION.--Lat 33°10'02", long 104°25'47", Hydrologic Unit 13060007. Owner: Hal Bogle.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well completed in San Andres Limestone, diameter 10 in., depth 880 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,523.76 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf 3.59 ft above land-surface datum.

REMARKS.--Recorder removed Nov. 25, 1990. Monthly steel-tape measurements.

PERIOD OF RECORD.--1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.06 ft above land-surface datum, Dec. 27, 1993;
lowest measured, 198.30 ft below land-surface datum, July 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	34.04	NOV 23	10.31	DEC 23	1.41	JAN 25	0.68	FEB 24	20.83	MAR 24	130.59
APR 26	126.41	MAY 25	120.08	JUNE 26	125.10	JULY 25	153.46	AUG 25	149.04	SEP 25	42.36

330702104402401. (formerly 330700104402501) Local number, 14S.23E.08.144.

LOCATION.--Lat 33°07'00", long 104°40'25", Hydrologic Unit 13060009. Owner: M. D. Kincaid.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian stock well, diameter 8 in., depth 460 ft, casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,844 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Apr. 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 257.55 ft below land-surface datum, Feb. 9, 1943;
lowest measured, 327.34 ft below land-surface datum, Aug. 27, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	not measured
Aug. 17	not measured

330646104173301. (formerly 330640104174501) Local number, 14S.26E.12.431331.

LOCATION.--Lat 33°06'40", long 104°17'45", Hydrologic Unit 13060007. Owner: C. B. Donaghy.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 13 in., depth 125 ft, cased 0-125 ft, perforated 50-115 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,396.4 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--Jan. 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.50 ft below land-surface datum, Jan. 22, 1942;
lowest measured, 23.77 ft below land-surface datum, Aug. 25, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	17.53
Aug. 17	15.46

330404104221201. Local number, 14S.26E.30.44444.

LOCATION.--Lat 33°04'04", long 104°22'12", Hydrologic Unit 13060007. Owner: Bartlett.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 8 5/8 in., depth 1,150 ft, cased to 740 ft, open hole 740-1,150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,484 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.10 ft below land-surface datum, Feb. 11, 1993;
lowest measured, 276.99 ft below land-surface datum, Aug. 17, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	not measured
Aug. 17	276.99

GROUND-WATER LEVELS

CHAVES COUNTY
Roswell Basin

325845104295501. Local number, 15S.24E.25.433.

LOCATION.--Lat 32°58'45", long 104°29'55", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 8 5/8 in., depth 910 ft, casing 0-548 ft.

INSTRUMENTATION.--Periodic steel-tape, pressure measurements, and Digital recorder with 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,528.92 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, for steel-tape measurements, 1.45 ft above land surface.

REMARKS.--Water levels and pressure readings provided by N.M. State Engineer Office and Pecos Valley Artesian Conservancy District.

PERIOD OF RECORD.--Jan. 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.75 ft above land-surface datum, Apr. 5, 1989; lowest measured, 102.30 ft below land-surface datum, July 17, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY HIGHEST VALUES

(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	+10.73	---	+28.05	+28.98	---	---	40.50	13.16	33.84	10.39	---	21.66
10	---	---	---	---	+29.44	14.96	---	---	---	---	---	---
15	---	+24.82	+27.59	---	+23.43	14.85	---	15.79	44.07	---	45.89	+7.96
20	+18.50	---	---	+30.14	+16.74	17.85	20.50	---	---	49.62	---	---
25	+22.51	---	---	+29.67	---	---	34.38	29.40	25.20	58.33	51.90	+20.66
ECM	+24.36	---	+28.29	+29.44	+3.11	---	---	---	---	---	---	---

WTR 1995 HIGHEST +30.14 JUN 20, 1995 LOWEST 58.33 JUL 25, 1995

CIBOLA COUNTY
Grants-Bluewater Area

350346107521201. (formerly 350400107510501) Local number, 10N.10W.26.331.

LOCATION.--Lat 35°04'00", long 107°51'05", Hydrologic Unit 13020207. Owner: Monico Mirabal.

AQUIFER.--Glorieta Sandstone of Permian Age.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 16 in., depth 216 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,455 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1/2 in. hole in pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.18 ft below land-surface datum, Feb. 21, 1952; lowest measured, 34.69 ft below land-surface datum, Jan. 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	28.64
July 19	28.49

350923107522701. (formerly 350925107523001) Local number, 11N.10W.27.242.

LOCATION.--Lat 35°09'25", long 107°52'30", Hydrologic Unit 13020207. Owner: City of Grants.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 to 12 in., depth 158 ft, perforated 50 to 150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,480 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--Feb. 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.23 ft below land-surface datum, Sep. 29, 1988; lowest measured, 39.08 ft below land-surface datum, Aug. 1, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	22.35
Aug. 19	26.58

351304107543701. (formerly 351400107524201) Local number, 12N.10W.29.434.

LOCATION.--Lat 35°14'00", long 107°52'42", Hydrologic Unit 13020207. Owner: Plains Electric.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian unused well, diameter 18 in., reported depth 205 ft, cased 0-150 ft, perforated 93-130 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,552 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Lower edge of hole in north side of casing, 2.20 ft above land-surface datum.

PERIOD OF RECORD.--Oct. 1944, Feb. 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.46 ft below land-surface datum, Oct. 14, 1944; lowest measured, 107.61 ft below land-surface datum, Aug. 6, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	79.64
July 24	78.66

GROUND-WATER LEVELS

CIBOLA COUNTY
Grants-Bluewater Area

351651107594501. (formerly 351650107595001) Local number, 12N.11W.09.424.

LOCATION.--Lat 35°16'50", long 107°53'50", Hydrologic Unit 13020207. Owner: Plains Electric.

AQUIFER.--San Andres Limestone and Yeso Formation of Permian Age.

WELL CHARACTERISTICS.--Drilled artesian unused well, diameter 16 in., reported depth 505 ft, 16 in. casing to 175 ft, 12 in. casing to 325 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,642 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 3.05 ft above land-surface datum.

PERIOD OF RECORD.--May, 1946 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.69 ft below land-surface datum, Sep. 29, 1988;
lowest measured, 274.81 ft below land-surface datum, Jan. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	96.71	NOV 21	92.55	DEC 20	91.19	JAN 23	96.73	FEB 23	94.01	MAR 27	101.19
APR 27	92.24	MAY 22	97.59	JUNE 16	98.23	JULY 20	90.35	AUG 24	100.24	SEP 26	99.66

351630107572801. (formerly 351637107584501) Local number, 12N.11W.14.213.

LOCATION.--Lat 35°16'37", long 107°58'45", Hydrologic Unit 13020207. Owner: Duane Berryhill.

AQUIFER.--San Andres Limestone and Yeso Formation of Permian Age.

WELL CHARACTERISTICS.--Drilled test well, diameter 4 in., depth 130.4 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,605 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 3.70 ft above land-surface datum.

PERIOD OF RECORD.--June 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.74 ft below land-surface datum, Sep. 25, 1986;
lowest measured, 101.39 ft below land-surface datum, June 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	83.84
July 24	82.55

COLFAX COUNTY
Capulin Basin

364522104034501. (formerly 364500104031501) Local number, 29N.27E.16.222.

LOCATION.--Lat 36°45'00", long 104°03'15", Hydrologic Unit 11040001. Owner: John King.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 8 in., depth 120 ft, cased to 20 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,821.5 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1957 to Feb. 1969, Feb. 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.65 ft below land-surface datum, Feb. 3, 1960;
lowest measured, 9.37 ft below land-surface datum, Aug. 13, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	8.53
July 24	8.39

GROUND-WATER LEVELS

COSTILLA COUNTY (in Colorado)
Sunshine Valley

370004105402201. (formerly 370009105410001) Local number, 01N.74W.33.322.

LOCATION.--Lat 37°00'09", long 105°41'00", Hydrologic Unit 13020101. Owner: Waller and Allen.

AQUIFER.--Santa Fe Group.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 15 in., depth 232 ft, casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,495 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Edge of hole inside pump base, 2.00 ft above land surface-datum (since 1971).

PERIOD OF RECORD.--Feb. 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.82 ft below land-surface datum, Aug. 26, 1968; lowest measured, 139.24 ft below land-surface datum, Sep. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 22	136.80
Aug. 11	136.55

CURRY COUNTY
Clovis area

341836103052001. Local number, 01N.37E.17 113133

LOCATION.--Lat 34°18'53", long 103°05'26", Hydrologic Unit 12050002. Owner: Don Oppliger.

AQUIFER.--Ogallala.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., depth 373 ft, screened 293-373 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 4,113 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top edge of recorder shelter apron, 3.93 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Jan. 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 158.17 ft below land-surface datum, Jan. 28, 1972; lowest measured, 248.26 ft below land-surface datum, Aug. 28, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	DAILY HIGHEST VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	238.39	238.15	237.46	236.37	237.94	238.09	238.78	240.30	239.87	245.76	247.03	247.99
10	238.40	237.92	237.41	236.83	238.92	238.00	238.86	239.81	242.14	245.98	247.31	247.30
15	238.03	237.86	237.23	236.75	237.65	238.41	240.90	239.98	242.27	246.33	246.66	246.85
20	238.42	237.55	237.28	236.77	238.49	238.52	241.85	240.11	244.37	245.00	246.16	246.73
25	238.53	237.55	237.13	236.75	239.99	240.27	240.25	240.78	244.69	246.51	247.32	246.65
EOM	238.18	237.55	237.08	236.60	238.73	239.23	241.00	239.94	245.27	247.14	248.00	246.70

WTR YR 1995 HIGHEST 236.37 JAN 5, 1995 LOWEST 248.26 AUG 28, 1995

342358103093601. Local number, 02N.36E.15.11111.

LOCATION.--Lat 34°23'58", long 103°09'36", Hydrologic Unit 12050002. Owner: Anne Humphreys.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well; diameter, depth and casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,227 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of concrete base 1.20 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 266.89 ft below land-surface datum, Jan. 4, 1974; lowest measured, 291.29 ft below land-surface datum, Aug. 6, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 7	288.78
Aug. 22	pumping

GROUND-WATER LEVELS

CURRY COUNTY
Clovis area

342736103203701. (Formerly 342615103270001) Local number, 03N.34E.23.433133.

LOCATION.--Lat 34°27'36", long 103°20'37", Hydrologic Unit 12050001. Owner: Archie Baker.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., depth 418 ft, cased to 418 ft, perforated 365-418 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,432 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.40 ft above land-surface datum.

PERIOD OF RECORD.--Apr. 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340.62 ft below land-surface datum, Mar. 16, 1957;
lowest measured, 358.81 ft below land-surface datum, Sept. 20, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 6	358.69
Sep. 20	358.81

343347103345001. Local number, 04N.32E.22.111.

LOCATION.--Lat 34°33'47", long 103°34'50", Hydrologic Unit 12050001. Owner: Noel Dougherty.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 401 ft.

INSTRUMENTATION.--Continuous strip-chart recorder.

DATUM.--Elevation of land-surface datum is 4,587 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Edge of recorder shelter, 3.50 ft above land surface datum.

REMARKS.--Recorder installed Aug. 1988. Records good.

PERIOD OF RECORD.--Jan. 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 297.04 ft above land-surface datum, Feb. 26, 1995;
lowest measured, 309.92 ft below land-surface datum, Jan. 9, 1981.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	298.05	297.80	297.71	297.25	297.80	297.56	297.52	297.60	297.50	297.77	297.49	297.65
10	297.95	297.67	297.63	297.75	297.49	297.64	297.60	297.90	297.85	297.63	297.59	297.65
15	297.98	297.64	297.79	297.65	297.61	297.87	297.60	297.69	297.60	297.65	297.58	297.55
20	297.98	298.17	297.86	297.92	297.94	297.64	297.64	297.65	297.55	297.60	297.75	297.61
25	297.70	297.59	297.80	297.83	297.52	297.55	297.49	297.69	297.62	297.64	297.53	297.63
ECM	297.82	297.69	297.71	297.69	297.85	297.71	297.56	297.69	297.73	297.59	297.65	297.54

WTR YR 1995 HIGHEST 297.04 FEB 26,1995 LOWEST 298.29 FEB 16,1995

343615103123801. Local number, 05N.35E.35.313.

LOCATION.--Lat 34°36'15", long 103°12'38", Hydrologic Unit 12050005. Owner: S. W. Pipkin.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 527 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,504 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 376.40 ft below land-surface datum, Mar. 26, 1954;
lowest measured, 448.98 ft below land-surface datum, July 28, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	448.45
July 28	448.98

GROUND-WATER LEVELS

DONA ANA COUNTY
Rincon and Mesilla Valleys

322203106484101. (formerly 322210106483001) Local number, 22S.01E.26.411.
LOCATION.--Lat 32°22'10", long 106°48'30", Hydrologic Unit 13030102. Owner: H. Wortheim.
AQUIFER.--Valley Fill.
WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., depth 107 ft, cased to 107 ft.
DATUM.--Elevation of land-surface datum is 3,920 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of east side of casing, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--Apr. 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.67 ft below land-surface datum, July 23, 1993;
lowest measured, 25.57 ft below land-surface datum, Apr. 25, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 30	11.65
July 5	9.96

321606106462901. (formerly 321620106461501) Local number, 23S.02E.31.213.
LOCATION.--Lat 32°16'20", long 106°46'15", Hydrologic Unit 13030102. Owner: New Mexico State University.
AQUIFER.--Valley Fill.
WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 14 in., reported depth 70 ft, cased to 70 ft.
INSTRUMENTATION.--Periodic steel-tape measurements.
DATUM.--Elevation of land-surface datum is 3,880 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of 5/8 in. hole in pump base, 1.08 ft above land-surface datum.
PERIOD OF RECORD.--Feb. 1948, Apr. 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.13 ft below land-surface datum, Feb. 10, 1948;
lowest measured, 29.12 ft below land-surface datum, Jan. 7, 1958.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 30	18.80
July 5	17.52

GROUND-WATER LEVELS

EDDY COUNTY
Roswell Basin

325516104404601. (Formerly 325510104410001) Local number, 16S.23E.15.322333.

LOCATION.--Lat 32°55'10", long 104°41'00", Hydrologic Unit 13060007. Owner: D. W. Runyan.

AQUIFER.--Yesso formation

WELL CHARACTERISTICS.--Drilled oil test well, used for stock water, diameter 10 in., depth 1,458 ft, cased.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,807 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 0.70 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1951 to Jan. 1965, Feb. 1970 to Aug. 1971, Jan. 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225.16 ft below land-surface datum, Jan. 12, 1951;

lowest measured, 277.60 ft below land-surface datum, Aug. 5, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	231.27
Aug. 10	235.22

325702104352801. (formerly 325735104360701) Local number, 16S.24E.04.411341.

LOCATION.--Lat 32°57'35", long 104°36'07", Hydrologic Unit 13060007. Owner: Ellis Hunlic.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter not available, depth 610 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,624 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Southwest side of pump, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.67 ft below land-surface datum, Feb. 17, 1995;

lowest measured, 100.54 ft below land-surface datum, Aug. 27, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	52.67
Aug. 17	pumping

325638104274801. Local number, 16S.25E.11.111131A.

LOCATION.--Lat 32°56'38", long 104°27'48", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., depth 171 ft, casing 0-171 ft, perforated 94-170 ft.

INSTRUMENTATION.--Recorder removed Nov. 27, 1990. Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,450 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf 3.00 ft above land-surface datum.

PERIOD OF RECORD.--1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.90 ft below land-surface datum, Feb. 18, 1966;

lowest measured, 64.72 ft below land-surface datum, July 24, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	58.95	NOV 15	58.40	DEC 27	57.85	JAN 23	57.53	FEB 24	57.65	MAR 20	58.40
APR 20	59.57	MAY 16	60.33	JUNE 20	61.28	JULY 20	61.27	AUG 17	61.44	SEP 21	61.63

GROUND-WATER LEVELS

EDDY COUNTY
Roswell Basin

325450104251101. (formerly 325445104253501) Local number, 16S.26E.19.21113.
 LOCATION.--Lat 32°54'45", long 104°25'35", Hydrologic Unit 13060007. Owner: John Crook.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 160 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,399 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 1/2 in. by 3 in. vertical slot under pump base, at land-surface datum.
 PERIOD OF RECORD.--Jan. 1969 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.60 ft below land-surface datum, Jan. 16, 1969;
 lowest measured, 140.89 ft below land-surface datum, Aug. 6, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	103.15
Aug. 17	131.36

324838104435301. (formerly 324831104435701) Local number, 17S.23E.30.12344
 LOCATION.--Lat 32°48'31", long 104°43'57", Hydrologic Unit 13060007. Owner: Village of Hope.
 AQUIFER.--San Andres Limestone.
 WELL CHARACTERISTICS.--Drilled artesian public-supply well, diameter 16 in., depth 600 ft, cased to 558 ft,
 perforated 498-558 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,085 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of 2 in. pipe on north side of concrete base, 2.00 ft above land-surface datum.
 PERIOD OF RECORD.--Dec. 1968, Jan. 1970 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 514.85 ft below land-surface datum, Jan. 27, 1988;
 lowest measured, 553.18 ft below land-surface datum, Aug. 7, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	no access
Aug. 18	546.25

324620104255001. (formerly 324624104244501) Local number, 18S.26E.06.442A.
 LOCATION.--Lat 32°46'20", long 104°24'45", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy
 District.
 AQUIFER.--San Andres Limestone.
 WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 9 in., depth 1,008 ft, cased to 726 ft.
 INSTRUMENTATION.--Digital recorder, 1-hour punch.
 DATUM.--Elevation of land-surface datum is 3,402.1 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of recorder shelf, 3.40 ft above land-surface datum.
 REMARKS.--Records good.
 PERIOD OF RECORD.--June 1961 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.57 ft below land-surface datum, Feb. 20, 1989;
 lowest measured, 209.15 ft below land-surface datum, July 31-Aug. 2, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	134.61	103.47	91.65	83.77	77.99	81.80	121.06	123.06	135.73	123.69	157.72	156.02
10	125.48	101.19	91.03	83.08	77.92	88.16	123.52	120.58	139.07	122.64	157.09	148.75
15	118.63	98.95	90.04	82.85	77.92	98.86	130.40	123.77	145.28	133.38	160.07	139.07
20	113.51	96.52	88.36	81.87	78.23	106.72	131.50	134.50	144.78	148.31	164.51	132.49
25	110.38	94.59	87.71	80.95	78.96	114.56	132.26	138.44	144.80	155.19	161.36	124.97
EOB	106.10	93.23	85.51	78.56	81.35	118.31	127.47	135.35	132.30	160.35	163.09	121.22

WTR YR 1995 HIGHEST 77.09 FEB 13,1995 LOWEST 166.33 AUG 19,1995

GROUND-WATER LEVELS

EDDY COUNTY
Roswell Basin

324620104255101. Local number, 18S.26E.06.442B.

LOCATION.--Lat 32°46'20", long 104°24'45", Hydrologic Unit 13060007. Owner: Pecos Valley Artesian Conservancy District.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 7 in., depth 246 ft, casing 0-246 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,402 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelf, 2.70 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.83 ft below land-surface datum, Jan. 7, 1974;

lowest measured, 142.22 ft below land-surface datum, Sep. 10, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

5	138.43	133.21	128.51	124.23	121.34	121.42	127.16	132.34	135.86	137.92	139.93	141.92
10	137.90	132.21	128.03	123.93	120.89	121.74	128.06	132.69	136.47	137.38	140.53	142.11
15	136.88	131.40	127.12	123.28	120.96	122.43	129.24	132.87	136.83	137.25	140.85	141.89
20	136.07	130.40	126.56	122.90	121.12	123.17	130.23	133.58	137.32	137.72	141.20	141.14
25	135.31	129.71	125.87	122.38	121.14	124.15	131.23	134.47	138.07	138.41	141.15	140.86
EOB	134.10	129.34	125.25	121.70	121.41	125.81	132.14	135.24	138.44	139.34	141.50	140.13

WTR YR 1995 HIGHEST 120.87 FEB 14, 1995 LOWEST 142.22 SEP 10, 1995

324325104233001. Local number, 18S.26E.28.122111.

LOCATION.--Lat 32°43'25", long 104°23'30", Hydrologic Unit 13060011. Owner: Town of Dayton.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 8 in., depth 250 ft, cased to 182 ft, casing slotted 92-182 ft.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,403 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.06 ft above land-surface datum.

REMARKS.--Recorder removed Nov. 27, 1990.

PERIOD OF RECORD.--Aug. 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.79 ft below land-surface datum, Feb. 5, 1952;
lowest measured, 124.87 ft below land-surface datum, Feb. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	123.92	NOV 14	123.91	DEC 27	123.96	JAN 23	124.02	FEB 24	124.01	MAR 20	123.91
APR 20	124.03	MAY 16	124.01	JUNE 20	124.12	JULY 31	124.17	AUG 16	124.23	SEP 12	124.36

323705104225501. Local number, 19S.26E.33.41224.

LOCATION.--Lat 32°37'05", long 104°22'55", Hydrologic Unit 13060011. Owner: L. T. Lewis.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 14 in., depth 225 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,282 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1 in. hole, in north side of pump base, 0.95 ft. above land-surface datum.

PERIOD OF RECORD.--Jan. 1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.48 ft below land-surface datum, Aug. 19, 1991;
lowest measured, 124.00 ft below land-surface datum, Jan. 9, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	36.72
Aug. 14	43.69

323542104242701. (formerly 323540104232001) Local number, 20S.26E.08.121111.

LOCATION.--Lat 32°35'40", long 104°23'20", Hydrologic Unit 13060011. Owner: Moutry.

AQUIFER.--Valley Fill

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 13 in., depth 346 ft, casing information not available.

INSTRUMENTATION.--Monthly steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,286 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of basal flange of pump head, 0.20 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1938 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.47 ft below land-surface datum, May 26, 1992;
lowest measured, 90.25 ft below land-surface datum, Aug. 8, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	34.27	NOV 14	35.31	DEC 27	34.50	JAN 23	33.86	FEB 24	33.85	MAR 20	30.33
APR 20	31.53	MAY 16	33.14	JUNE 20	34.26	JULY 20	31.98	AUG 16	35.15	SEP 21	32.22

GROUND-WATER LEVELS

EDDY COUNTY
Carlsbad Area

322637104142301. (formerly 322652104141901) Local number, 21S.26E.36.221.
 LOCATION.--Lat 32°26'52", long 104°14'19", Hydrologic Unit 13060011. Owner: City of Carlsbad.
 AQUIFER.--Capitan Limestone.
 WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 20 in., depth 327 ft, casing 0-290 ft.
 INSTRUMENTATION.--Digital recorder, 1-hour punch.
 DATUM.--Elevation of land-surface datum is 3,121.84 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of recorder shelf, 4.14 ft above land-surface datum.
 REMARKS.--Records good.
 PERIOD OF RECORD.--April 1962 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.98 ft below land-surface datum, June 14, 1987;
 lowest measured, 26.07 ft below land-surface datum, Aug. 2, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

5	22.98	22.15	22.18	22.22	23.63	24.09	24.16	23.75	23.59	23.46	23.40	23.57
10	22.77	22.17	22.30	22.40	23.70	24.12	24.01	23.75	23.84	23.64	23.61	23.40
15	22.45	22.22	22.24	22.69	23.79	24.44	24.05	23.76	24.05	23.45	23.57	23.13
20	22.40	22.10	22.30	23.07	24.00	24.53	23.97	23.93	23.90	23.41	23.44	23.00
25	22.34	22.15	22.29	23.24	24.02	24.55	24.02	23.80	23.89	23.17	23.46	22.97
EQM	22.22	22.23	22.35	23.37	24.16	24.41	23.90	23.46	23.68	23.53	23.51	22.94

WTR YR 1995 HIGHEST 22.03 NOV 17, 1994 LOWEST 24.74 MAR 26, 1995

322636104125801. (formerly 322640104165801) Local number, 21S.27E.32.112411.
 LOCATION.--Lat 32°26'40", long 104°12'58", Hydrologic Unit 13060011. Owner: L. E. Loman.
 AQUIFER.--Capitan Limestone.
 WELL CHARACTERISTICS.--Drilled water-table domestic well, diameter 12 in., reported depth 305 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,112 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.40 ft above land-surface datum.
 PERIOD OF RECORD.--Oct. 1947 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.64 ft below land-surface datum, Jan. 17, 1950;
 lowest measured, 17.35 ft below land-surface datum, Aug. 9, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar.	no access
Sep.	no access

322712104074501. (formerly 322710104073901) Local number, 21S.28E.30.14123.
 LOCATION.--Lat 32°27'10", long 104°07'39", Hydrologic Unit 13060011. Owner: Forrest Miller.
 AQUIFER.--Capitan Limestone.
 WELL CHARACTERISTICS.--Drilled exploration well, diameter 8 5/8 - 5 1/2 in., reported depth 1,060 ft, plugged back, total depth 906 ft.
 INSTRUMENTATION.--Digital recorder, 1-hour punch.
 DATUM.--Elevation of land-surface datum is 3,181.71 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing 1.64 ft above land-surface datum.
 REMARKS.--Records good.
 PERIOD OF RECORD.--1963 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.13 ft below land-surface datum, June 29, 1987;
 lowest measured, 98.68 ft below land-surface datum, Aug. 3, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	94.40	93.32	93.36	93.44	94.69	95.15	95.37	94.93	94.55	94.36	94.41	94.52
10	94.16	93.38	93.45	93.57	94.77	95.23	95.21	94.75	94.80	94.63	94.44	94.52
15	93.79	93.41	93.42	93.70	94.85	95.46	95.17	94.83	94.99	94.51	94.59	94.20
20	93.69	93.25	93.42	94.10	95.10	95.58	95.08	94.96	94.94	94.46	94.42	94.02
25	93.57	93.36	93.46	94.32	95.12	95.61	95.11	94.92	94.81	94.22	94.44	93.89
EQM	93.41	93.44	93.47	94.46	95.17	95.61	94.97	94.52	94.82	94.45	94.49	93.88

WTR YR 1995 HIGHEST 93.23 NOV 19, 1994 LOWEST 95.80 MAR 27, 1995

GROUND-WATER LEVELS

EDDY COUNTY
Carlsbad Area

322120104151501. Local number, 22S.26E.25.333333. (formerly 22S.26E.36.111A)

LOCATION.--Lat 32°21'20", long 104°15'15", Hydrologic Unit 13060011. Owner: Carlsbad Airfield.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 12 in., depth 260 ft, cased to 260 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,225 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.50 ft below land-surface datum, Oct. 14, 1942;

lowest measured, 214.82 ft below land-surface datum, Sep. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	160.64	154.87	149.28	145.85	144.89	145.00	150.29	156.99	158.77	164.06	167.64	165.21
10	160.25	153.78	148.82	145.71	144.53	145.14	151.44	157.20	160.42	165.13	167.49	165.21
15	159.52	153.02	148.00	145.32	144.46	145.25	151.82	157.75	162.09	166.27	166.88	163.79
20	158.51	151.87	147.50	145.27	144.71	145.06	152.77	157.34	162.77	166.38	166.22	162.32
25	157.29	150.96	146.98	145.12	144.88	145.78	154.00	157.20	163.31	166.85	165.71	161.07
ECM	155.87	150.24	146.45	144.92	144.99	148.10	155.60	157.97	164.06	167.18	165.14	160.10

WTR YR 1995 HIGHEST 144.44 FEB 14, 1995 LOWEST 168.00 AUG 7, 1995

322238104101801. (formerly 322231104131001) Local number, 22S.27E.22.421333.

LOCATION.--Lat 32°22'31", long 104°10'10", Hydrologic Unit 13060011. Owner: Enea Grandi.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,100 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--Sep. 1947 to Aug. 1968, Jan. 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.43 ft below land-surface datum, Sep. 15, 1950;

lowest measured, 81.10 ft below land-surface datum, Aug. 8, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	28.46
Aug. 9	27.64

321741104204901. (formerly 321721104204801) Local number, 23S.25E.24.213.

LOCATION.--Lat 32°17'21", long 104°20'48", Hydrologic Unit 13060011. Owner: City of Carlsbad.

AQUIFER.--Capitan Limestone.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in. 0-20 ft, open hole 20-900 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,501.7 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 1.17 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 369.53 ft below land-surface datum, June 27, 1986;

lowest measured, 404.06 ft below land-surface datum, July 10, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	401.22	400.19	400.17	400.18	401.30	402.05	402.30	401.85	401.54	400.85	401.99	401.90
10	400.98	400.20	400.31	400.31	401.35	402.29	402.15	401.73	401.79	401.43	402.04	395.41
15	400.56	400.09	400.23	400.40	401.48	402.56	402.06	401.81	401.95	401.48	402.11	401.03
20	400.58	400.05	400.22	400.74	401.85	402.71	401.88	401.91	401.92	401.56	401.93	400.75
25	400.41	400.18	400.25	400.85	401.82	402.63	401.94	401.87	401.86	401.54	401.89	400.72
ECM	400.30	400.23	400.22	401.03	401.97	402.52	401.87	401.53	392.51	402.04	401.93	400.74

WTR YR 1995 HIGHEST 392.48 JUL 1, 1995 LOWEST 402.86 MAR 28, 1995

GROUND-WATER LEVELS

EDDY COUNTY
Carlsbad Area

321939104113301. (formerly 321930104113301) Local number, 23S.27E.09.211124.
 LOCATION.--Lat 32°19'30", long 104°11'33", Hydrologic Unit 13060011. Owner: H. C. Bindel.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 200 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,143 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, under pump base, 1.25 ft above land-surface datum.
 PERIOD OF RECORD.--July 1949 to Nov. 1955, Jan. 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.70 ft below land-surface datum, Sep. 15, 1950;
 lowest measured, 60.92 ft below land-surface datum, Jan. 13, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	56.55
Aug. 9	53.17

320604104284101. (formerly 320602104285201) Local number, 25S.24E.27.421121.
 LOCATION.--Lat 32°06'02", long 104°28'52", Hydrologic Unit 13060011. Owner: Walker Hood.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 101 ft, uncased.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,701 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Northwest corner of pump base, 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--Apr. 1952 to Aug. 1967, Jan. 1969 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.12 ft below land-surface datum, Aug. 22, 1988;
 lowest measured, 85.10 ft below land-surface datum, Aug. 25, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	56.37
Aug. 9	60.83

320316104294301. (formerly 320257104295201) Local number, 26S.24E.09.443111.
 LOCATION.--Lat 32°03'16", long 104°29'43", Hydrologic Unit 13060011. Owner: John Mayes.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 100 ft, cased to 85 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,749.4 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of air-line flange support, 1.40 ft above land-surface datum.
 PERIOD OF RECORD.--Apr. 1952 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.31 ft below land-surface datum, Aug. 22, 1988;
 lowest measured, 54.98 ft below land-surface datum, Sep. 8, 1965.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 17	41.82
Aug. 9	43.18

GRANT COUNTY
Mimbres Basin

324245108175603. Local number, 18S.14W.28.143B.
 LOCATION.--Lat 32°42'45", long 108°17'56", Hydrologic Unit 13030202. Owner: Exxon Corp.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 6 in., depth unknown.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 5,800 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 3/4 in. hole in cover plate, at land-surface datum.
 REMARKS.--"s" indicates nearby well pumping.
 PERIOD OF RECORD.--Mar. 1984 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 268.84 ft below land-surface datum, Jan. 14, 1986;
 lowest measured, 404.60 s ft below land-surface datum, Jan. 6, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 5	386.89 s
July 7	403.18

GRANT COUNTY
Silver City Area

324600108222501. Local number, 18S.15W.11.323.

LOCATION.--Lat 32°46'00", long 108°22'25", Hydrologic Unit 15040002. Owner: Town of Silver City.

AQUIFER.--Gila Conglomerate.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 12 in., depth 580 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 5,845 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 12 in. casing, 1.50 ft above land-surface datum.

REMARKS.--Lost several days of record, due to recorder malfunction.

PERIOD OF RECORD.--Mar. 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 262.34 ft below land-surface datum, Mar. 3, 1962;
lowest measured, 294.52 ft below land-surface datum, Apr. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	291.76	291.92	291.48	291.25	291.65	291.37	291.38	291.31	291.19	291.38	291.35	291.47
10	292.00	291.78	291.82	291.70	291.34	291.52	291.15	291.37	291.51	291.40	291.35	291.47
15	291.61	291.97	291.69	291.51	291.40	291.52	291.25	291.26	291.32	291.38	291.46	291.35
20	292.03	291.81	291.73	291.66	291.71	291.35	291.30	291.40	291.37	291.46	291.58	291.47
25	291.92	291.78	291.58	291.62	291.42	291.20	291.34	291.29	---	291.38	291.43	291.41
EQM	291.92	291.89	291.70	291.65	291.47	291.42	291.35	291.31	291.45	291.37	291.46	291.47

WTR YR 1995 HIGHEST 291.02 APR 9, 1995 LOWEST 292.21 OCT 9, 1994

GUADALUPE COUNTY
Santa Rosa Area

350414104485101. Local number, 10N.20E.28.2214.

LOCATION.--Lat 35°04'14", long 104°48'51", Hydrologic Unit 13060001. Owner: Town of Santa Rosa.

AQUIFER.--San Andres Limestone.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 12 3/4 in., casing 0-514 ft, 10 3/4 in.

505-575 ft, casing perforated 515-575 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 5,162.7 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 1.10 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 343.67 ft below land-surface datum, July 27, 1992;
lowest measured, 362.36 ft below land-surface datum, Apr. 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	347.44	347.68	347.67	347.37	348.06	347.93	347.42	346.68	345.47	344.54	344.94	345.56
10	347.49	347.77	347.69	347.61	348.01	347.92	347.32	346.56	345.30	344.89	345.08	345.16
15	347.46	347.67	347.63	347.64	348.06	347.94	347.23	346.31	345.48	344.91	345.26	345.22
20	347.62	347.45	347.71	347.81	348.14	347.79	347.09	346.14	344.86	344.30	345.05	345.40
25	347.70	347.63	347.71	347.92	348.04	347.58	346.98	345.99	344.76	344.36	345.05	345.47
EQM	347.71	347.67	347.54	347.93	348.07	347.56	346.88	345.66	344.44	344.81	345.11	345.54

WTR YR 1995 HIGHEST 344.26 JUL 19, 1995 LOWEST 348.91 FEB 21, 1995

HARDING COUNTY
Roy Area

355352104054201. Local number, 19N.27E.05.334.

LOCATION.--Lat 35°53'52", long 104°05'42", Hydrologic Unit 11080007. Owner: Town of Roy.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 10 in., depth 75 ft, cased to 75 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,658 ft above National Geodetic Vertical Datum of 1929.

Measuring point: 3/4" plugged hole, east side, 1.50 ft above land-surface datum.

REMARKS.--Submersible pump installed in 1984.

PERIOD OF RECORD.--Jan. 1967 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.34 ft below land-surface datum, Jan. 18, 1983;
lowest measured, 55.76 ft below land-surface datum, Aug. 19, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 17	50.23
July 26	50.60

GROUND-WATER LEVELS

HIDALGO COUNTY
Virden Valley

324051108594101. (formerly 324053108594101) Local number, 19S.21W.03.414.
 LOCATION.--Lat 32°40'51", long 108°59'41", Hydrologic Unit 15040002. Owner: Jones, Clouse, and Jensen.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 20 in., depth 72 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,750 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Hole inside pump shell, 0.90 ft above land-surface datum.
 PERIOD OF RECORD.--Jan. 1959 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.50 ft below land-surface datum, Jan. 11, 1993;
 lowest measured, 15.79 ft below land-surface datum, Aug. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 23	10.51
July 11	12.78

HIDALGO COUNTY
Lordsburg Area

321849108392001. (formerly 321848108391401) Local number, 23S.18W.12.333.
 LOCATION.--Lat 32°18'49", long 108°39'20", Hydrologic Unit 15040003. Owner: R. I. McDonald.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 220 ft,
 perforations 100-220 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,240 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: End of entry port pipe, 1.50 ft above land-surface datum.
 PERIOD OF RECORD.--Apr. 1957 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.02 ft below land-surface datum, Jan. 11, 1958;
 lowest measured, 190.45 ft below land-surface datum, Aug. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 10	157.78
July	157.92

321248108331401. (formerly 321257108331201) Local number, 24S.17W.14.442.
 LOCATION.--Lat 32°12'48", long 108°33'14", Hydrologic Unit 15040003. Owner: E. W. Richens.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., depth 420 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,265 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--May 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.97 ft below land-surface datum, Jan. 7, 1981;
 lowest measured, 114.90 ft below land-surface datum, Jan. 15, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 9	86.69
July 10	86.98

Animas Valley

321624108504001. (formerly 321540108514101) Local number, 23S.20W.25.422.
 LOCATION.--Lat 32°16'24", long 108°50'40", Hydrologic Unit 15040003. Owner: Kerr Cattle Co.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 150 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,150 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing 0.40 ft above land-surface datum.
 PERIOD OF RECORD.--May 1948 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.36 ft below land-surface datum, May 21, 1948;
 lowest measured, 53.92 ft below land-surface datum, July 11, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 10	53.74
July 11	53.92

GROUND-WATER LEVELS

Animas Valley

315610108483901. (formerly 315645108493501) Local number, 27S.19W.20.343.

LOCATION.--Lat 31°56'10", long 106°49'35", Hydrologic Unit 15040003. Owner: Felix Gauthier.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 358 ft, cased to 358 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,414 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top edge of 1 1/4 in. pipe in concrete pump base, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--July 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.90 ft below land-surface datum, July 29, 1949; lowest measured, 198.50 ft below land-surface datum, Aug. 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 10	179.98
July 11	pumping

HIDALGO COUNTY
San Simon Valley

315738109004001. Local number, 27S.21W.17.124.

LOCATION.--Lat 34°57'38", long 109°00'40", Hydrologic Unit 15040006. Owner: E. J. Bagwell.

AQUIFER.--Bolson.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 220 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,020 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Hole in west side of pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1978, Jan. 1980, July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120.98 ft above land-surface datum, Jan. 10, 1980; lowest measured, 126.20 ft below land-surface datum, July 9, 1991.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 11	125.86
July 12	125.90

315048109010201. (formerly 315010108570001) Local number, 28S.21W.30.222.

LOCATION.--Lat 31°50'48", long 109°01'02", Hydrologic Unit 15040006. Owner: C. L. Johnston.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 8 in., depth 471 ft, cased to 471 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,128 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Hole in west side of casing, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110.88 ft below land-surface datum, Jan. 15, 1969; lowest measured, 124.93 ft below land-surface datum, July 16, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 11	121.81
July 23	pumping

Playas Valley

313502108275001. Local number, 31S.16W.33.233.

LOCATION.--Lat 31°33'00", long 108°27'50", Hydrologic Unit 13030201. Owner: U-Bar Ranch.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 654 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,404 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Bottom edge of shelf, 4.05 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.66 ft below land-surface datum, Apr. 18-20, 1973; lowest measured, 54.95 ft below land-surface datum, Sep. 4, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 9	47.24
July 10	47.00

GROUND-WATER LEVELS

HIDALGO COUNTY
Playas Valley

312938108302301. Local number, 32S.16W.30.134.

LOCATION.--Lat 31°29'38", long 108°30'23", Hydrologic Unit 13030201. Owner: C. C. Edwards.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 150 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,490 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 3/4 in. pipe nipple inside pump shell, 1.45 ft above land-surface datum.

PERIOD OF RECORD.--Mar. 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.11 ft below land-surface datum, Mar. 27, 1952;
lowest measured, 129.10p ft below land-surface datum, Aug. 20, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 9	86.83
July 10	86.43

LEA COUNTY
Tatum-Lovington-Hobbs Area

332115103403301. Local number, 11S.32E.24.113.

LOCATION.--Lat 33°21'15", long 103°40'33", Hydrologic Unit 12080001. Owner: Paul Hamilton.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 1/2 in., depth 110 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 4,336 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.70 ft. above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--Oct. 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.74 ft above land-surface datum, Oct. 3, 1993;
lowest measured, 62.67 ft below land-surface datum, Apr. 19, 1993.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.66	61.68	61.66	61.68	61.69	61.64	61.63	61.61	61.63	61.63	61.58	61.57
10	61.66	61.68	61.66	61.68	61.69	61.64	61.65	61.63	61.63	61.60	61.58	61.54
15	61.67	61.68	61.67	61.70	61.66	61.65	61.63	61.62	61.59	61.60	61.58	61.54
20	61.67	61.68	61.69	61.70	61.65	61.64	61.63	61.63	61.62	61.60	61.58	61.54
25	61.67	61.69	61.69	61.70	61.65	61.63	61.63	61.62	61.59	61.60	61.59	61.56
EOB	61.67	61.66	61.68	61.69	61.65	61.64	61.63	61.64	61.60	61.59	61.58	61.55

WTR YR 1995 HIGHEST 61.51 SEP 8,1995 LOWEST 61.71 JAN 12,1995

331713103283301. (formerly 331740103285001) Local number, 12S.34E.11.421.

LOCATION.--Lat 33°17'22", long 103°28'50", Hydrologic Unit 12080006. Owner: A. D. Jones.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 15 in., depth 87 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,144 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of concrete pump base, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.57 ft below land-surface datum, May 24, 1949;
lowest measured, 34.14 ft below land-surface datum, Aug. 17, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	31.07
Aug. 22	31.41

330458103251001. (formerly 330455103251301) Local number, 14S.35E.28.1111.

LOCATION.--Lat 35°04'55", long 103°25'13", Hydrologic Unit 12080003. Owner: Paul Fisher.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 5 in., depth 137 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,031 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.05 ft below land-surface datum, Jan. 5, 1994;
lowest measured, 43.80 ft below land-surface datum, Sep. 3, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	43.28
Aug. 22	43.40

GROUND-WATER LEVELS

LEA COUNTY
Tatum-Lovington-Hobbs Area

330405103194501. (Formerly 330400103193401) Local number, 14S.36E.22.12121.

LOCATION.--Lat 33°04'00", long 103°19'34", Hydrologic Unit 12080003. Owner: E. T. Howell.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth and casing information not available.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,990 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of concrete pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1949 to Jan. 1950, Jan. 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.38 ft below land-surface datum, Jan. 19, 1949;
lowest measured, 70.07 ft below land-surface datum, Aug. 22, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 6	70.12
Aug. 22	75.33

325730103213901. (formerly 325703103213201) Local number, 16S.36E.04.322.

LOCATION.--Lat 32°57'03", long 103°21'32", Hydrologic Unit 12080003. Owner: City of Lovington.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 13 in., depth 212 ft, perforated 80-208 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,926 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of shelf, 4.00 ft above land-surface datum.

REMARKS.--Lost several days of record, due to recorder malfunction.

PERIOD OF RECORD.--Aug. 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.67 ft below land-surface datum, Feb. 5, 1995;
lowest measured, 67.11 ft below land-surface datum, Aug. 24, 1971.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.00	57.93	57.84	57.76	57.67	57.70	57.82	58.03	58.14	58.34	58.42	58.55
10	58.03	57.93	57.86	57.76	57.74	57.71	57.83	58.07	58.19	58.34	58.47	58.56
15	57.97	57.96	57.81	57.76	57.72	57.71	57.88	58.07	58.22	58.35	58.46	58.53
20	58.00	57.88	57.81	57.75	---	57.69	57.92	58.11	58.25	58.36	58.52	58.51
25	58.01	57.88	57.80	57.72	---	57.71	57.97	58.13	58.27	58.37	58.52	58.49
EOY	57.96	57.89	57.78	57.69	57.71	57.79	58.00	58.14	58.32	58.42	58.54	58.42

WTR YR 1995 HIGHEST 57.67 FEB 5, 1995 LOWEST 58.62 SEP 8, 1995

325658103200001. Local number, 16S.37E.11.11111.

LOCATION.--Lat 32°56'58", long 103°20'00", Hydrologic Unit 12080003. Owner: H. J. Taylor.

AQUIFER.--Ogallala formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 118 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,900 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1 in. hole in southwest side of pump, 1.34 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.93 ft below land-surface datum, Jan. 23, 1949;
lowest measured, 78.64 ft below land-surface datum, Jan. 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 5	65.75
Aug. 22	66.63

GROUND-WATER LEVELS

LEA COUNTY
Tatum-Lovington Hobbs Area

325132103112501. Local number, 17S.38E.07.111311.
 LOCATION.--Lat 32°51'32", long 103°11'25", Hydrologic Unit 12080003. Owner: L. R. Seblings.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 125 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,740 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Edge of pipe on west side of pump, 0.95 ft above land-surface datum.
 PERIOD OF RECORD.--July 1951 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.59 ft below land-surface datum, Mar. 21, 1952;
 lowest measured, 74.15 ft below land-surface datum, July 22, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	67.31
Aug. 23	68.62

324745103082001. Local number, 17S.38E.34.113143.
 LOCATION.--Lat 32°47'45", long 103°08'20", Hydrologic Unit 12080003. Owner: W. E. Busby.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 125 ft, cased to 90 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 3,660 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.40 ft above land-surface datum.
 PERIOD OF RECORD.--Nov. 1943 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.78 ft below land-surface datum, Jan. 15, 1944;
 lowest measured, 67.78 ft below land-surface datum, Aug. 23, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	66.70
Aug. 23	67.78

LINCOLN COUNTY
Hondo Valley

333241105341101. (formerly 333242105340701) Local number, 09S.14E.10.13221.
 LOCATION.--Lat 33°32'42", long 105°34'07", Hydrologic Unit 13060008. Owner: Village of Capitan.
 AQUIFER.--Mancos Shale of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled water-table municipal well, diameter 8 in., depth 324 ft, cased to 271 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,340 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of breather hole on west side of pump base, 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--June 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.56 ft below land-surface datum, Jan. 28, 1993;
 lowest measured, 69.77 ft below land-surface datum, Nov. 28, 1956.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	38.27
Aug. 16	38.54

332102105333601. (formerly 332145105333001) Local number, 11S.14E.15.432334.
 LOCATION.--Lat 33°21'08", long 105°33'30", Hydrologic Unit 13060008. Owner: E. H. Fuchs.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 8 in., depth 90 ft, casing information not available.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,200 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--July 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.16 ft below land-surface datum, Mar. 26, 1958;
 lowest measured, 63.75 ft below land-surface datum, Aug. 10, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	not measured
Aug. 16	not measured

GROUND-WATER LEVELS

LINCOLN COUNTY
Sondo Valley

332110105092501. (formerly 332157105094101) Local number, 11S.12E.15.33313.
 LOCATION.--Lat 33°21'02", long 105°09'41", Hydrologic Unit 13060008. Owner: Lincoln County Livestock Co.
 AQUIFER.--Yaso formation of Permian age.
 WELL CHARACTERISTICS.--Drilled water-table domestic and stock well, diameter 12 in., depth 125 ft, cased to 110 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,989 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.50 ft above land-surface datum.
 PERIOD OF RECORD.--Oct. 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.43 ft below land-surface datum, Aug. 18, 1988;
 lowest measured, 60.18 ft below land-surface datum, Jan. 15, 1959.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 16	48.19
Aug. 16	45.22

LUNA COUNTY
Nutt-Hockett

322927107220101. (formerly 322930107221001) Local number, 21S.05W.08.444.
 LOCATION.--Lat 32°29'30", long 107°22'10", Hydrologic Unit 13030202. Owner: Leonard Farms.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 435 ft, cased to 435 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,530 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Hole in NE side of pump shell, 1.60 ft above land-surface datum.
 PERIOD OF RECORD.--Nov. 1961 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.06 ft below land-surface datum, Jan. 17, 1962;
 lowest measured, 203.24 ft below land-surface datum, Jan. 4, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	203.24
July 5	pumping

Mimbres Valley

321352107493901. Local number, 24S.10W.12.431.
 LOCATION.--Lat 32°13'52", long 107°49'39", Hydrologic Unit 13030202. Owner: Steve Hrna.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Dug and drilled water-table unused well, diameter 36 in., reported depth 132 ft.
 INSTRUMENTATION.--Continuous strip-chart recorder.
 DATUM.--Elevation of land-surface datum is 4,330 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of recorder shelter shelf, 1.36 ft above land-surface datum.
 REMARKS.--Recorder re-installed Jan. 26, 1994. Lost several days of record due to recorder malfunction.
 PERIOD OF RECORD.--Apr. 1939 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.61 ft below land-surface datum, May 6-13, 1940;
 lowest measured, 113.30 ft below land-surface datum, Aug. 12 and 20, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	103.90	103.79	103.18	102.67	102.54	102.91	104.10	---	104.89	104.17	101.94	101.42
10	103.99	103.59	103.28	102.77	102.43	103.11	104.15	---	104.97	103.79	101.83	101.42
15	103.76	103.69	103.14	102.65	102.57	103.31	---	---	104.79	---	101.77	101.44
20	103.90	103.52	103.07	102.73	102.72	103.40	---	---	104.70	---	101.75	101.53
25	103.82	103.40	102.96	102.70	102.71	103.51	---	104.74	104.59	---	101.51	101.55
ECM	103.80	103.40	102.98	102.59	102.83	103.88	---	104.90	104.45	---	101.41	101.62

WTR YR 1995 HIGHEST 101.18 DEC 17, 1994 LOWEST 105.16 JUN 11, 1995

321328107565301. (formerly 321415107565501) Local number, 24S.11W.14.122.
 LOCATION.--Lat 32°13'28", long 107°56'55", Hydrologic Unit 13030202. Owner: Charles Waldrop.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., reported depth 350 ft, cased to 198 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,405 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of 1 in. hole in pump base, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--July 1951 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.66 ft below land-surface datum, Jan. 23, 1952;
 lowest measured, 228.00 ft below land-surface datum, May 11, 1956.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	175.56
July 5	177.40

GROUND-WATER LEVELS

LUNA COUNTY
Mimbres Valley

321010107260201. (formerly 321015107260501) Local number, 25S.06W.02.111.
 LOCATION.--Lat 32°10'15", long 107°26'05", Hydrologic Unit 13030202. Owner: C. W. Johnson, Jr.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Drilled artesian irrigation well, diameter 16 in., depth 235 ft, perforated 180-235 ft, gravel packed.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,090 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.30 ft above land-surface datum.
 PERIOD OF RECORD.--May 1952 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.45 ft below land-surface datum, Mar. 14, 1953; lowest measured, 117.66 ft below land-surface datum, Aug. 6, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	21.27
July 6	28.57

320918107293301. (formerly 320915104294501) Local number, 25S.06W.07.211.
 LOCATION.--Lat 32°09'15", long 107°29'45", Hydrologic Unit 13030202. Owner: H. C. Telles.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 230 ft, cased to 230 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,084.22 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Hole in pump base, 1.20 ft above land-surface datum (since Jan. 15, 1966).
 PERIOD OF RECORD.--Jan. 1953 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.34 ft below land-surface datum, Mar. 14, 1953; lowest measured, 122.16 ft below land-surface datum, Aug. 13, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	83.64
July 5	82.69

320647107490701. Local number, 25S.09W.19.31331.
 LOCATION.--Lat 32°26'47", long 107°49'07", Hydrologic Unit 13030202. Owner: Tryon.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 14 in., depth 240 ft, cased to 240 ft, perforated 80-240 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,070 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.00 ft above land-surface datum.
 PERIOD OF RECORD.--July 1959 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.68 ft below land-surface datum, Feb. 10, 1959; lowest measured, 216.78 ft below land-surface datum, Aug. 19, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	201.77	NOV 23	196.93	DEC 21	191.99	JAN 20	188.17	FEB 24	188.65	MAR 21	188.54
APR 21	204.50	MAY 22	212.18	JUNE 20	214.13	JULY 20	215.32	AUG 19	214.40	SEP 21	216.20

315517107375001. (formerly 315525107374501) Local number, 27S.08W.35.122.
 LOCATION.--Lat 31°55'25", long 107°37'45", Hydrologic Unit 13030202. Owner: M. M. Gibson.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 12 to 8 in., depth 550 ft, cased to 550 ft, perforated 155-550 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,070 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.20 ft above land-surface datum.
 PERIOD OF RECORD.--July 1952 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.84 ft below land-surface datum, Mar. 16, 1953; lowest measured, 119.34 ft below land-surface datum, Aug. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	76.64
July 5	76.89

GROUND-WATER LEVELS

LUNA COUNTY
Mimbres Valley

315903107424501. (formerly 315905107425001) Local number, 27S.09W.01.431.
 LOCATION.--Lat 31°59'05", long 107°42'50", Hydrologic Unit 13030202. Owner: I. G. Burns.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 62 ft, cased to 62 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,135 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top edge of rectangular hole in pump base, 0.65 ft above land-surface datum.
 PERIOD OF RECORD.--Jan. 1954 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.61 ft below land-surface datum, Jan. 19, 1954;
 lowest measured, 47.26 ft below land-surface datum, Aug. 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	38.71
July 5	38.82

314942107361001. (formerly 314938107371401) Local number, 28S.08W.36.411.
 LOCATION.--Lat 31°49'38", long 107°37'14", Hydrologic Unit 13030202. Owner: M. R. Hemley.
 AQUIFER.--Bolson deposits.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 250 ft, cased to 250 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,008 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.85 ft above land-surface datum.
 PERIOD OF RECORD.--Jan. 1961 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.18 ft below land-surface datum, Aug. 2, 1983;
 lowest measured, 27.85 ft below land-surface datum, Jan. 14, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	13.45
July 5	14.24

McKINLEY COUNTY
San Juan Basin

352023107473201. Local number, 13N.09W.21.4123.
 LOCATION.--Lat 35°20'23", long 107°47'32", Hydrologic Unit 13020207. Owner: Nabor Marquez.
 AQUIFER.--Morrison Formation.
 WELL CHARACTERISTICS.--Drilled water-table unused stock well, diameter 6 in., depth 155 ft, cased to 155 ft.
 INSTRUMENTATION.--Monthly steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,785 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--July 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.30 ft below land-surface datum, Feb. 22, 1978;
 lowest measured, 144.80 ft below land-surface datum, Dec. 8, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	84.32	NOV 22	82.65	DEC 20	84.68	JAN 23	84.63	FEB 23	84.88	MAR 27	85.19
APR 27	85.39	MAY 22	85.34	JUNE 16	85.61	JULY 24	85.85	AUG 24	86.07	SEP 6	86.20

353645108011501. Local number, 16N.11W.17.4322.
 LOCATION.--Lat 35°36'45", long 108°01'15", Hydrologic Unit 14080106. Owner: Navajo Nation.
 AQUIFER.--Gallup Sandstone.
 WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 5/8 in., depth 570 ft, cased to 570 ft, perforated 470-570 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 7,070 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.53 ft above land-surface datum.
 PERIOD OF RECORD.--July 1959 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 260.84 ft below land-surface datum, Feb. 2, 1995;
 lowest measured, 318.28 ft below land-surface datum, July 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	260.84
July 26	261.17

GROUND-WATER LEVELS

McKINLEY COUNTY
San Juan Basin

353521108284901. Local number, 16N.16W.25.142.
 LOCATION.--Lat 35°35'21", long 108°28'49", Hydrologic Unit 15020006. Owner: Navajo Nation.
 AQUIFER.--Entrada Sandstone.
 WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 3/4 in., depth 1,052 ft, cased to 1,052 ft, perforated 628-896, 974-1033 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 7,115 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Hole in cover plate, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--Oct. 1965 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.55 ft below land-surface datum, Feb. 2, 1995;
 lowest measured, 160.64 ft below land-surface datum, Feb. 20, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	125.55
July 26	134.15

354235108170702. Local number, 17N.14W.13.1144B.
 LOCATION.--Lat 35°42'35", long 108°17'07", Hydrologic Unit 14080106. Owner: United Nuclear.
 AQUIFER.--Morrison Sandstone.
 WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 5/8 in. 0-2,225 ft, total depth 2,225 ft.
 Perforated 1,820-2,225 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,757.70 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 3/8 in. plug, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--Aug. 1982 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 248.75 ft below land-surface datum, July 26, 1995;
 lowest measured, 350.38 ft below land-surface datum, Oct. 8, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	250.54
July 26	248.75

354235108170703. Local number, 17N.14W.13.1144C.
 LOCATION.--Lat 35°42'35", long 108°17'07", Hydrologic Unit 14080106. Owner: United Nuclear.
 AQUIFER.--Dakota Sandstone.
 WELL CHARACTERISTICS.--Drilled water-table well, diameter 8 5/8 in. 0-54 ft, 6 5/8 in. 54-1,728 ft.
 Perforated 1,587-1,728 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,757.70 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 3/8 in. plug, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--Aug. 1982 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.21 ft below land-surface datum, Aug. 4, 1982;
 lowest measured, 126.35 ft below land-surface datum, July 11, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	126.35
July 26	126.26

GROUND-WATER LEVELS

MORA COUNTY
Watrous Area

354819104290401. (formerly 354840104590301) Local number, 18N.18E.01.333.
 LOCATION.--Lat 35°48'40", long 104°59'03", Hydrologic Unit 11080004. Owner: Sellman Bros.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 14 in., depth 100 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,420 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Hole in southeast corner of pump base, 2.00 ft above land-surface datum.
 PERIOD OF RECORD.--1976 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.21 ft below land-surface datum, July 17, 1984;
 lowest measured, 6.74 ft below land-surface datum, Feb. 14, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 14	5.38
Aug. 12	not measured

GROUND-WATER LEVELS

OTERO COUNTY
Tularosa-Alamogordo Area

320321106011101. (formerly 320324106011201) Local number, 14S.10E.31.144.

LOCATION.--Lat 33°03'21", long 106°01'11", Hydrologic Unit 13050003. Owner: Luther Watson.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, depth 230 ft, diameter 17 in., casing 0-130 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,450 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top edge of 1 in. hole in pump base, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--Apr. 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.75 ft below land-surface datum, Apr. 8, 1952;

lowest measured, 134.21 ft below land-surface datum, Aug. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 10	85.70
July 5	89.55

Crow Flats Basin
(Salt Basin)

320657105061501. Local number, 25S.18E.21.233.

LOCATION.--Lat 32°06'57", long 105°06'15", Hydrologic Unit 13050004. Owner: Gene Lewis.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth unknown.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,690 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Apr. 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 68.80 ft below land-surface datum, Apr. 20, 1956;

lowest measured, 101.55 ft below land-surface datum, Sep. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 17	87.85
Aug. 9	89.95

320138105063101. (formerly 320650105034801) Local number, 26S.18E.21.331.

LOCATION.--Lat 32°01'38", long 105°06'31", Hydrologic Unit 13050004. Owner: Frank Gentry.

AQUIFER.--Bolson deposits.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., depth 544 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,655 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft below land-surface datum, Jan. 8, 1973;

lowest measured, 82.94 ft below land-surface datum, Aug. 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 17	56.00
Aug. 9	66.29

320008105064501. Local number, 26S.18E.33.133.

LOCATION.--Lat 32°00'08", long 105°06'45", Hydrologic Unit 13050004. Owner: J. W. Hill.

AQUIFER.--Bone Spring Limestone.

WELL CHARACTERISTICS.--Drilled water-table used irrigation well, diameter 14 in., depth 435 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,620 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 0.80 ft. above land-surface datum.

PERIOD OF RECORD.--Feb. 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.50 ft below land-surface datum, Feb. 15, 1956;

lowest measured, 62.84 ft below land-surface datum, Aug. 20, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 2	49.53
Aug. 9	pumping

GROUND-WATER LEVELS

QUAY COUNTY
House Area

343848103555801. Local number, 05N.28E.23.222232.
 LOCATION.--Lat 34°38'48", long 103°55'58", Hydrologic Unit 13060004. Owner: Jimmy Snipes.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table stock well, diameter 6 in., depth 93.5 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,788 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, west side, 2.00 ft above land-surface datum.
 PERIOD OF RECORD.--Jan. 1968 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.50 ft below land-surface datum, Sep. 15, 1994;
 lowest measured, 84.22r ft below land-surface datum, Feb. 18, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 15	74.53
Sep. 20	74.46

343855103482901. (formerly 343810103463001) Local number, 05N.30E.18.331311.
 LOCATION.--Lat 34°38'55", long 103°48'29", Hydrologic Unit 13060004. Owner: W. C. and H. J. Lee.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 75 ft, cased to 60 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,630 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of concrete pump base, 0.50 ft above land-surface datum.
 PERIOD OF RECORD.--May. 1944 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.76 ft below land-surface datum, Mar. 28, 1946;
 lowest measured, 51.49 ft below land-surface datum, Aug. 11, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 15	pumping
Sep. 20	49.03

344406103555501. Local number, 06N.28E.13.33333.
 LOCATION.--Lat 34°44'06", long 103°55'55", Hydrologic Unit 13060004. Owner: Jack Jennings.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled domestic well, diameter 16 in., depth 131 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,816 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 3/4 in. hole in cover plate, 0.40 ft above land-surface datum.
 PERIOD OF RECORD.--Jan. 1948 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.47 ft below land-surface datum, Jan. 20, 1948;
 lowest measured, 119.95 ft below land-surface datum, Sep. 20, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 15	119.55
Sep. 20	119.95

QUAY COUNTY
Lower Canadian

351040103433602. Local number, 11N.30E.14.144D.
 LOCATION.--Lat 35°10'40", long 104°43'36", Hydrologic Unit 11080006. Owner: Southern Pacific R. R.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused test well, diameter 6 in., depth 295 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,080 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of 1.5 in. pipe extension, 4.20 ft above land-surface datum.
 PERIOD OF RECORD.--July 1952 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.20 ft below land-surface datum, Sep. 9, 1963;
 lowest measured, 137.66 ft below land-surface datum, Dec. 16, 1952.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	not measured
July 26	67.46

GROUND-WATER LEVELS

QUAY COUNTY
Northern High Plains

353239103111301. Local number, 15N.35E.11.21222.

LOCATION.--Lat 35°32'39", long 103°11'13", Hydrologic Unit 11080006. Owner: J. L. Smith.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 175 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,126 ft above National Geodetic Vertical Datum of 1929.

Measuring point: 2 1/2 in. hole, in east side of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 88.83 ft below land-surface datum, July 26, 1995;

lowest measured, 114.67 ft below land-surface datum, Feb. 5, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	88.86
July 26	88.83

354238103132301. Local number, 17N.35E.16.221.

LOCATION.--Lat 35°42'38", long 103°13'23", Hydrologic Unit 11090101. Owner: L. C. Morrison.

AQUIFER.--Dakota formation.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter unknown, depth 250 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 4,465 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Hole in south side of pump base, 2.00 ft. above land-surface datum.

PERIOD OF RECORD.--Oct. 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 159.30 ft below land-surface datum, Apr. 10, 1991;

lowest measured, 171.59 ft below land-surface datum, Sep. 19, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	171.72
July 26	170.53

ROOSEVELT COUNTY
Portales Valley

341037103254501. Local number, 01S.33E.36.23111.

LOCATION.--Lat 34°10'37", long 103°25'45", Hydrologic Unit 12050002. Owner: State of New Mexico.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 18 in., depth 105 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 4,048 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing 1.95 ft above land-surface datum.

REMARKS.--Lost record, several days, due to recorder malfunction.

PERIOD OF RECORD.--Jan. 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.19 ft below land-surface datum, Jan. 25, 1952;

lowest measured, 86.42 ft below land-surface datum, Jan. 17, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	83.35	83.54	83.54	83.57	83.54	83.53	83.67	83.79	83.90	84.11	84.28	84.46
10	83.45	83.51	83.58	83.54	83.51	83.56	83.72	83.84	83.95	84.13	84.33	84.54
15	83.43	83.55	83.54	83.53	83.58	83.64	83.70	83.83	83.95	84.15	84.37	---
20	83.47	83.48	83.58	83.54	83.57	83.60	83.75	83.87	84.03	84.18	84.39	84.54
25	83.53	83.51	83.57	83.54	83.52	83.60	83.73	83.91	84.04	84.21	84.40	84.56
EOY	83.49	83.56	83.54	83.58	83.59	83.68	83.78	83.91	84.07	84.28	84.45	84.62

WTR YR 1995 HIGHEST 83.35 OCT 1, 1994 LOWEST 84.66 SEP 21, 1995

GROUND-WATER LEVELS

ROOSEVELT COUNTY
Portales Valley

340732103145001. Local number, 02S.35E.23.11113.

LOCATION.--Lat 34°07'32", long 103°14'50", Hydrologic Unit 12050001. Owner: Herman Gras.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 10 in., depth 80 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,961 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1.5 in. shaft hole, in center of pump, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--July 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.32 ft below land-surface datum, Mar. 27, 1951;
lowest measured, 56.33 ft below land-surface datum, July 21, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 6	53.80
July 25	54.96

340753103083101. Local number, 02S.36E.14.31111.

LOCATION.--Lat 34°07'53", long 103°08'31", Hydrologic Unit 12050001. Owner: Rogers.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 16 in., depth 151 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,938 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.37 ft above land-surface datum, Jan. 6, 1975;
lowest measured, 79.44 ft below land-surface datum, July 25, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	76.14
July 25	not measured

340844103055001. Local number, 02S.37E.07.432222.

LOCATION.--Lat 34°08'44", long 103°05'50", Hydrologic Unit 12050001. Owner: Rogers.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 13.5 in., depth 204 ft, cased to
204 ft, perforated 151-204 ft.

INSTRUMENTATION.--Digital recorder, 1-hour punch.

DATUM.--Elevation of land-surface datum is 3,982 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Edge of recorder shelter, 3.00 ft. above land-surface datum.

REMARKS.--Recorder installed June 2, 1992. Lost record, due to recorder malfunction.

PERIOD OF RECORD.--June 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 103.78 ft below land-surface datum, June 2 1992;
lowest measured, 112.09 ft below land-surface datum, Sep. 5, 1995.WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	112.88		---	112.10	112.50	111.80			---	117.96	119.87	121.98
10	112.84		---	112.15	112.42	111.79			---	118.26	120.17	119.29
15	112.85		---	112.08	112.09	---			---	117.85	118.84	119.15
20	---		112.40	112.34	112.30	---			117.05	116.92	120.73	118.90
25	---		112.34	112.07	112.13	---			116.54	118.60	121.08	119.18
EQM	---		112.30	111.97	111.96	---			117.38	119.34	119.70	119.20

WTR YR 1995 HIGHEST 111.76 MAR 11,1995 LOWEST 122.09 SEP 5,1995

GROUND-WATER LEVELS

ROOSEVELT COUNTY
Causey-Lingo Area

334700103030601. (formerly 335655103032001) Local number, 06S.38E.21.233131.

LOCATION.--Lat 33°47'00", long 103°03'11", Hydrologic Unit 12050001. Owner: C. C. Harvey.

AQUIFER.--Undifferentiated Cretaceous rocks.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 140 ft, cased to 140 ft, casing slotted 100-140 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 3,939 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1 in. hole in north side of pump, 2.10 ft above land-surface datum.

REMARKS.--"p" means well pumping during measurement.

PERIOD OF RECORD.--Jan. 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.18 ft below land-surface datum, Jan. 13, 1956;
lowest measured, 115.21p ft below land-surface datum, Aug. 11, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 7	91.70
July 25	pumping

SANDOVAL COUNTY
Bernalillo Area

352121106285501. (formerly 352235106282401) Local number, 13N.04E.12.112.

LOCATION.--Lat 35°22'35", long 106°28'24", Hydrologic Unit 13020201. Owner: John Bowers.

AQUIFER.--Valley Fill

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 12 in., depth 50 ft, cased.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,117 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Lower inside edge of hole in south side of casing 0.45 ft above land-surface datum.

PERIOD OF RECORD.--Jan. 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.57 ft below land-surface datum, July 18, 1991;
lowest measured, 25.27 ft below land-surface datum, Jan. 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 8	23.66
Aug. 17	22.92

SAN JUAN COUNTY
San Juan Basin

364534108292701. Local number, 29N.15W.02.232.

LOCATION.--Lat 36°57'34", long 108°9'27", Hydrologic Unit 14080105. Owner: Myrl Harper.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 10 in., depth 37 ft, cased to 37 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,045 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 1.05 ft above land-surface datum.

PERIOD OF RECORD.--Apr. 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.39 ft below land-surface datum, Apr. 29, 1992;
lowest measured, 10.02 ft below land-surface datum, Sep. 7, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 15	9.49
July 31	7.62

364744108225001. Local number, 30N.15W.23.4411.

LOCATION.--Lat 36°47'44", long 108°22'50", Hydrologic Unit 14080105. Owner: B.L.M.

AQUIFER.--Pictured Cliffs Sandstone.

WELL CHARACTERISTICS.--Drilled water-table well, diameter 5 in., depth 729.5 ft, cased to 729.5 ft, perforated 613-729.5 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 5,290 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.75 ft below land-surface datum, Feb. 21, 1978;
lowest measured, 158.20 ft below land-surface datum, July 31, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Mar. 15	157.09
July 31	158.20

GROUND-WATER LEVELS

SANTA FE COUNTY
Estancia Valley

350534106024801. (formerly 350525106025001) Local number, 10N.08E.13.1332.
 LOCATION.--Lat 35°05'34", long 106°02'48", Hydrologic Unit 13050001. Owner: W. R. Irby.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 513 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,274 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Lower inside edge of hole in south side of casing, 0.45 ft above land-surface datum.
 PERIOD OF RECORD.--Feb. 1950 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.75 ft below land-surface datum, Feb. 22, 1950;
 lowest measured, 181.55 ft below land-surface datum, Aug. 4, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 9	146.82
Aug. 24	160.17

350344106004601. (formerly 350340106005001) Local number, 10N.09E.29.1334.
 LOCATION.--Lat 35°03'44", long 106°00'46", Hydrologic Unit 13050001. Owner: Phil Wallen.
 AQUIFER.--Glorieta Sandstone of Permian age.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 14 in., reported depth 200 ft, cased to 140 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,248 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top edge of 3 in. pipe on north side of pump, 1.30 ft above land-surface datum.
 PERIOD OF RECORD.--Feb. 1949 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.00 ft below land-surface datum, May 4, 1949;
 lowest measured, 124.46 ft below land-surface datum, Aug. 12, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 10	114.13
Aug. 24	pumping

350859106002901. Local number, 11N.09E.29.143.
 LOCATION.--Lat 35°08'59", long 106°00'29", Hydrologic Unit 13050001. Owner: King Bros.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 15 in., depth unknown.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,274 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.80 ft above land-surface datum.
 PERIOD OF RECORD.--July 1986 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.93 ft below land-surface datum, Apr. 1, 1987;
 lowest measured, 135.56 ft below land-surface datum, Aug. 24, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 9	135.00
Aug. 24	135.56

Santa Fe Area

353636106021001. Local number, 16N.08E.13.444.
 LOCATION.--Lat 35°36'36", long 106°02'10", Hydrologic Unit 13020201. Owner: Harold Nelson.
 AQUIFER.--Tesuque Formation of Santa Fe Group.
 WELL CHARACTERISTICS.--Drilled domestic well, diameter 6 1/2 in., depth 337 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,400 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.70 ft above land-surface datum.
 PERIOD OF RECORD.--Feb. 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 256.04 ft below land-surface datum, Jan. 20, 1982;
 lowest measured, 263.54 ft below land-surface datum, Feb. 15, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 11	263.15
Aug.	not measured

GROUND-WATER LEVELS

SANTA FE COUNTY
Santa Fe Area

353516106085801. Local number, 16N.08E.26.32112.
 LOCATION.--Lat 35°35'16", long 106°03'58", Hydrologic Unit 13020201. Owner: State Highway Dept.
 AQUIFER.--Tesuque Formation of Santa Fe Group.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 10 in., depth 160 ft, cased to 160 ft, perforated 125-160 ft.
 INSTRUMENTATION.--Digital recorder, 1-hour punch.
 DATUM.--Elevation of land-surface datum is 6,285 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.25 ft above land-surface datum.
 REMARKS.--Records good.
 PERIOD OF RECORD.--July 1973 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 125.62 ft below land-surface datum, June 11, 1973;
 lowest measured, 130.42 ft below land-surface datum, Sep. 21, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	130.02	130.19	130.14	130.07	130.15	130.13	130.13	130.07	130.15	130.23	130.20	130.26
10	130.11	130.11	130.15	130.16	130.11	130.17	130.23	130.14	130.21	130.18	130.22	130.26
15	130.11	130.05	130.17	130.14	130.23	130.14	130.13	130.12	130.17	130.23	130.22	130.29
20	130.13	130.15	130.19	130.17	130.18	130.15	130.18	130.15	130.18	130.20	130.26	130.26
25	130.16	130.14	130.18	130.16	130.12	130.16	130.11	130.13	130.17	130.21	130.26	130.29
ECM	130.14	130.14	130.21	130.18	130.17	130.15	130.15	130.19	130.16	130.23	130.26	130.36

WTR YR 1995 HIGHEST 129.99 NOV 26, 1994 LOWEST 130.42 SEP 21, 1995

353735105581201. (formerly 353753105580501) Local number, 16N.09E.10.42114.
 LOCATION.--Lat 35°37'53", long 105°58'05", Hydrologic Unit 13020201. Owner: Paul Ragel.
 AQUIFER.--Ancha Formation of Santa Fe Group.
 WELL CHARACTERISTICS.--Drilled domestic well, diameter 6 in., depth 243 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,820 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 1/2 in. plug in cover plate, 6.00 ft below land-surface datum.
 PERIOD OF RECORD.--Aug. 1957 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 149.52 ft below land-surface datum, Dec. 11, 1957;
 lowest measured, 230.44 ft below land-surface datum, Aug. 22, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 27	224.89
Aug. 16	226.37

SANTA FE COUNTY
Santa Fe Area

354013105580601. (formerly 354005105574501) Local number, 17N.09E.27.441.
 LOCATION.--Lat 35°40'05", long 105°57'45", Hydrologic Unit 13020201. Owner: U.S. Indian School.
 AQUIFER.--Tesuque Formation of Santa Fe Group.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 8 in., depth 989 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,848 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing 2.40 ft above land-surface datum.
 PERIOD OF RECORD.--Dec. 1951 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.33 ft below land-surface datum, Dec. 27, 1951;
 lowest measured, 230.86 ft below land-surface datum, Aug. 22, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 11	228.85
Aug. 16	230.46

SIERRA COUNTY
Hot Springs Area

331002107150001. Local number, 13S.04W.21.213.
 LOCATION.--Lat 33°10'02", long 107°15'00", Hydrologic Unit 13030101. Owner: Unknown.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 13 in., depth unknown.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,355 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: 1 in. hole in west side of pump base, and 1.50 ft above land-surface datum.
 PERIOD OF RECORD.--Feb. 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.84 ft below land-surface datum, July 27, 1992;
 lowest measured, 65.56 ft below land-surface datum, Feb. 25, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 10	49.43
July 3	49.59

GROUND-WATER LEVELS

SIERRA COUNTY
Hot Springs Area

3255921107185101, (formerly 3255550107184001) Local number, 155.05W.24.312.
 LOCATION:--Lat 32°59'20", Long 107°18'40", Hydrologic Unit 13030101. Owner: William M. Dawson.
 AQUIFER:--Valley Fill.
 WELL CHARACTERISTICS:--Drilled water-table irrigation well, diameter 16 in., depth and casing information not available.
 INSTRUMENTATION:--Periodic steel-tape measurements.
 DATUM:--Elevation of land-surface datum is 4,279 ft above National Geodetic Vertical Datum of 1929.
 MEASURING POINT: Top of casing, 1.20 ft above land-surface datum.
 PERIOD OF RECORD:--May 1974 to current year.
 EXTREMES FOR PERIOD OF RECORD:--Highest water level measured, 21.97 ft below land-surface datum, July 27, 1982;
 lowest measured, 41.97 ft below land-surface datum, Feb. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 10	32.98
July 8	38.47

Rincon Valley

325540107183001, (formerly 325550107175501) Local number, 168.05W.25.211.
 LOCATION:--Lat 32°53'35", Long 107°17'55", Hydrologic Unit 13030102. Owner: U.S. Government.
 AQUIFER:--Valley Fill.
 WELL CHARACTERISTICS:--Drilled water-table unused well, diameter 10 in., depth 32 ft, cased to 32 ft.
 INSTRUMENTATION:--Periodic steel-tape measurements.
 DATUM:--Elevation of land-surface datum is 4,198 ft above National Geodetic Vertical Datum of 1929.
 MEASURING POINT: Top of casing, 3.00 ft above land-surface datum.
 PERIOD OF RECORD:--Jan. 1961 to current year.
 EXTREMES FOR PERIOD OF RECORD:--Highest water level measured, 11.29 ft below land-surface datum, Feb. 12, 1967;
 lowest measured, 25.93 ft below land-surface datum, Jan. 6, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 10	19.17
July 8	16.82

TAOS COUNTY
Sunshine Valley

36503105360501, (formerly 365036105355301) Local number, 80N.18E.18.1121.
 LOCATION:--Lat 36°50'35", Long 105°36'08", Hydrologic Unit 13020101. Owner: U. S. Government.
 AQUIFER:--Valley Fill.
 WELL CHARACTERISTICS:--Drilled water-table observation well, diameter 10 in., depth 580 ft.
 INSTRUMENTATION:--Periodic steel-tape measurements.
 DATUM:--Elevation of land-surface datum is 7,597 ft above National Geodetic Vertical Datum of 1929.
 MEASURING POINT: Top of casing, 2.00 ft above land-surface datum.
 PERIOD OF RECORD:--Sep. 1973 to current year.
 EXTREMES FOR PERIOD OF RECORD:--Highest water level measured, 63.50 ft below land-surface datum, Jan. 16, 1994;
 lowest measured, 77.88 ft below land-surface datum, Aug. 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 22	64.88
Aug. 11	68.88

365644105363301, (formerly 365650105370001) Local number, 01S.74W.24.244.
 LOCATION:--Lat 36°36'44", Long 105°36'35", Hydrologic Unit 13020101. Owner: Dimmitt.
 AQUIFER:--Valley Fill.
 WELL CHARACTERISTICS:--Drilled water-table irrigation well, diameter 16 in., depth 270 ft.
 INSTRUMENTATION:--Periodic steel-tape measurements.
 DATUM:--Elevation of land-surface datum is 7,620 ft above National Geodetic Vertical Datum of 1929.
 MEASURING POINT: Top of casing 3.00 ft above land-surface datum.
 REMARKS:--Lost many days of record, due to recorder malfunction.
 PERIOD OF RECORD:--June 1955 to current year.
 EXTREMES FOR PERIOD OF RECORD:--Highest water level measured, 183.10 ft below land-surface datum, Feb. 14, 1995;
 lowest measured, 213.58 ft below land-surface datum, Aug. 10, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	183.94	183.87	183.70	183.56	184.37	183.70	183.98	183.97	184.17	184.47	184.28	184.35
10	184.17	183.89	183.89	184.15	183.78	184.07	183.64	184.17	184.06	184.36	184.24	184.36
15	184.19	183.97	183.77	183.80	183.24	184.16	---	184.19	184.84	184.51	184.19	184.16
20	184.16	183.98	183.45	184.11	184.41	183.99	---	184.22	184.47	184.49	184.48	184.19
25	183.96	183.84	183.88	184.13	184.00	183.65	---	184.10	184.44	184.44	184.28	184.07
END	183.88	183.76	---	184.19	184.00	184.06	---	184.04	184.50	184.42	184.33	183.93

WTR YR 1995 HIGHEST 183.10 FEB 14, 1995 LOWEST 184.76 JUL 7, 1995

GROUND-WATER LEVELS

TAOS COUNTY
Sunshine Valley

365410105345601. (formerly 365410105354501) Local number, 02S.73W.05.244.

LOCATION.--Lat 36°54'10", long 105°34'56", Hydrologic Unit 13020101. Owner: Unknown.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Drilled water-table domestic and stock well, diameter 6 in., depth unknown.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 7,590 ft above National Geodetic Vertical Datum of 1929.

Measuring point: 1 in. hole in plate over casing, 0.10 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.86 ft below land-surface datum, Aug. 11, 1995;
lowest measured, 84.78 ft below land-surface datum, Jan. 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Feb. 22	69.44
Aug. 11	63.86

TORRANCE COUNTY
Estancia Valley

343443106024401. Local number, 04N.09E.07.334.

LOCATION.--Lat 34°34'43", long 106°02'44", Hydrologic Unit 13050001. Owner: Franklin Development.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 16 in., reported depth 163 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,118 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Hole in northwest side of pump base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.70 ft below land-surface datum, Feb. 10, 1958;
lowest measured, 100.39 ft below land-surface datum, Aug. 24, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	100.09
Aug. 24	100.39

344016106070901. (formerly 344016106064701) Local number, 05N.08E.08.424.

LOCATION.--Lat 34°40'16", long 106°07'09", Hydrologic Unit 13050001. Owner: J. J. Spangler.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., reported depth 204 ft, cased to 98 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,218 ft above National Geodetic Vertical Datum of 1929.

Measuring point: 3/4 in. inch plug in south side of discharge pipe, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--Mar. 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.03 ft below land-surface datum, Mar. 23, 1948;
lowest measured, 129.74 ft below land-surface datum, Sep. 17, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	122.21
Aug. 24	pumping

344234106070601. (formerly 344234106074901) Local number, 06N.08E.32.212.

LOCATION.--Lat 34°42'34", long 106°07'06", Hydrologic Unit 13050001. Owner: Robert McMath.

AQUIFER.--Valley Fill.

WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., reported depth 209 ft, cased to 84 ft.

INSTRUMENTATION.--Periodic steel-tape measurements.

DATUM.--Elevation of land-surface datum is 6,174 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 1 1/2 in. hole in pump base, 0.04 ft above land-surface datum.

PERIOD OF RECORD.--Feb. 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.22 ft below land-surface datum, Feb. 18, 1947;
lowest measured, 84.64 ft below land-surface datum, July 27, 1992.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	80.03
Aug. 24	pumping

GROUND-WATER LEVELS

TORRANCE COUNTY
Estancia Valley

344604105574601. (formerly 344622105575501) Local number, 06N.09E.11.211.
 LOCATION.--Lat 34°46'04", long 105°57'46", Hydrologic Unit 13050001. Owner: Paragon Corp.
 AQUIFER.--Valley Fill.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 18 in., reported depth 148 ft, cased to 140 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,086 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.75 ft above land-surface datum.
 PERIOD OF RECORD.--May 1949 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.07 ft below land-surface datum, May 4, 1949;
 lowest measured, 28.65 ft below land-surface datum, July 13, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 3	16.87
Aug. 24	22.12

344842106032701. Local number, 07N.08E.25.121.
 LOCATION.--Lat 34°48'43", long 106°03'22", Hydrologic Unit 13050001. Owner: M. D. Brooks.
 AQUIFER.--Alluvium.
 WELL CHARACTERISTICS.--Drilled water-table unused irrigation well, diameter 16 in., depth 200 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,131 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 0.00 ft above land-surface datum.
 REMARKS.--"s" indicates nearby well pumping.
 PERIOD OF RECORD.--Feb. 1962 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.30 ft below land-surface datum, Feb. 7, 1962;
 lowest measured, 65.71 ft below land-surface datum, May 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 4	55.94
Aug. 24	64.46 s

UNION COUNTY
Clayton Area

355144103041201. (formerly 360940103083501) Local number, 19N.36E.23.244.
 LOCATION.--Lat 35°51'44", long 103°04'12", Hydrologic Unit 11090102. Owner: Stevens.
 AQUIFER.--Dakota and Purgatoire formation.
 WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 14 in., depth 206 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,326 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.00 ft above land-surface datum.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 145.22 ft below land-surface datum, Mar. 17, 1971;
 lowest measured, 158.58s ft below land-surface datum, Aug. 19, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	155.13
July 25	150.30

GROUND-WATER LEVELS

UNION COUNTY
Clayton Area

361847103064701. (formerly 361910103170501) Local number, 24N.36E.17.244.
 LOCATION.--Lat 36°18'47", long 103°06'47", Hydrologic Unit 11090103. Owner: Glen Burrows.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table unused well, diameter 20 in., depth 231 ft.
 INSTRUMENTATION.--Continuous strip-chart recorder.
 DATUM.--Elevation of land-surface datum is 4,707 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, 1.95 ft above land-surface datum.
 REMARKS.--Lost several months of record due to recorder malfunction.
 PERIOD OF RECORD.--May 1968 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.38 ft below land-surface datum, May 8, 1968;
 lowest measured, 98.28 ft below land-surface datum, Aug. 12, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY HIGHEST VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	97.44	97.52	97.55	97.45	97.66	97.67	---	97.86	97.93	98.13	98.17	98.30
10	97.54	97.49	97.60	97.60	97.60	97.74	---	97.91	98.01	98.12	98.19	98.34
15	97.43	97.53	97.55	97.60	97.67	97.78	---	97.89	97.99	98.14	98.23	98.35
20	97.55	97.88	97.59	97.66	97.73	97.70	97.86	97.95	98.02	98.15	98.27	98.29
25	97.59	97.49	97.59	97.65	97.67	97.76	97.82	97.93	98.00	98.16	98.29	98.34
EOC	97.51	97.56	97.61	97.65	97.74	97.85	97.82	97.93	98.09	98.20	---	98.35

WTR YR 1995 HIGHEST 97.25 APR 19, 1995 LOWEST 98.28 AUG 12, 1995

362540103095001. Local number, 25N.35E.02.441.
 LOCATION.--Lat 36°25'40", long 103°10'02", Hydrologic Unit 11090103. Owner: Bill Winchester.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter unknown, depth 185 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,984 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Plugged hole in pump base, 1.70 ft above land-surface datum.
 PERIOD OF RECORD.--Dec. 1965 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 91.14 ft below land-surface datum, Jan. 9, 1989;
 lowest measured, 106.85 ft below land-surface datum, Feb. 2, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	95.83
July 25	96.05

363410103064801. Local number, 27N.36E.17.434.
 LOCATION.--Lat 36°34'10", long 103°06'48", Hydrologic Unit 11100101. Owner: Paul Carter.
 AQUIFER.--Ogallala formation.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 200 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 4,837 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Top of casing, north side, 1.20 ft above land-surface datum.
 PERIOD OF RECORD.--Feb. 1967 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.16 ft below land-surface datum, Jan. 21, 1975;
 lowest measured, 97.44 ft below land-surface datum, Jan. 26, 1993.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	92.54
July 25	93.27

Capulin Area

364444104000201. (formerly 364430103595501) Local number, 29N.28E.18.341.
 LOCATION.--Lat 36°44'44", long 104°00'02", Hydrologic Unit 11040001. Owner: City of Raton.
 AQUIFER.--Cinders.
 WELL CHARACTERISTICS.--Drilled water-table irrigation well, diameter 16 in., depth 78 ft.
 INSTRUMENTATION.--Periodic steel-tape measurements.
 DATUM.--Elevation of land-surface datum is 6,820.8 ft above National Geodetic Vertical Datum of 1929.
 Measuring point: Edge of 2 in. hole in west side of steel plate, at land-surface datum.
 REMARKS.--"p" indicates well pumping during measurement.
 PERIOD OF RECORD.--July 1951, Aug. 1958 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.01 ft below land-surface datum, Feb. 8, 1974;
 lowest measured, 33.38 ft below land-surface datum, Aug. 7, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL
Jan. 18	34.07
July 24	33.50

QUALITY OF GROUND WATER

EXPLANATION OF GEOLOGIC UNIT (AQUIFER) CODES (LISTED FROM YOUNGEST TO OLDEST AGE) U-UPPER, M-MIDDLE, L-LOWER:
 000 EXRV-UNKNOWN, Extrusive Rocks; 110 AVMB-Cenozoic, Quaternary, Alluvium, Bolson Deposits and other Surface Deposits; 110 BLSN-Cenozoic, Quaternary, Bolson Fill; 122 SNTFL-Cenozoic, Tertiary, Miocene, Santa Fe Group, Lower Part; 210-MNCS-Mesozoic, Cretaceous, Mancos Shale; 325 MDER-Paleozoic, Middle Pennsylvanian, Des Moinesian, Madera Limestone; 325 MDERU-Paleozoic, Middle Pennsylvanian; Des Moinesian, Madera Limestone, Upper Arkosic Limestone Member; 400 PCMB-Paleozoic, Precambrian, Precambrian Erathem.

REMARKS.--Ground Water sites in this table are segregated by county which appear alphabetically. The sites are then listed in ascending well numbers that are explained at the beginning of this report.

BERNALILLO COUNTY

LOCAL IDENT- I- FIER	STATION	NUMBER	COUNTY	SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
08N.07E.29.324A DOW	345319106135101	001	GW	03-31-95	1200	325MDER	--	--	100.00	--
09N.06E.34.242 LUJAN	345754106164601	001	GW	06-02-95	1000	--	--	--	--	--
09N.02E.36.222	345810106403401	001	GW	04-23-95	1030	112SNTF	8.99	220.00	220	--
		001	GW	04-23-95	1035	112SNTF	8.99	220.00	220	--
09N.06E.29.244 MOSIER	345833106185101	001	GW	03-28-95	1330	325MDER	--	315.00	--	--
09N.06E.30.121 PLUNKETT	345855106203601	001	GW	06-02-95	1155	--	--	--	--	--
09N.06E.20.333 BUSTER	345858106194601	001	GW	06-08-95	1300	325MDERU	32.40	100.00	--	--
09N.06E.19.413 CLAYTON	345918106202001	001	GW	03-28-95	0920	325MDER	--	680.00	--	--
09N.06E.17.411 OAK FLAT	345948106191701	001	GW	06-12-95	1400	--	--	--	--	--
09N.05E.12.241 STANTON	350119106210901	001	GW	03-29-95	0900	--	--	--	--	--
10N.06E.26.132 BUSH	350356106162901	001	GW	03-31-95	1415	325MDER	--	329.00	--	--
10N.05E.30.213 MCIVER	350410106262601	001	GW	03-28-95	1115	110AVMB	--	120.00	--	--
10N.05E.19.322 LEIB	350423106263301	001	GW	03-17-95	1400	110AVMB	--	146.00	--	--
10N.05E.23.313 SANDIA RANG	350434106225701	001	GW	06-01-95	1300	325MDER	--	253.00	--	--
10N.05E.22.234 TIJERAS PO	350449106231901	001	GW	03-14-95	0945	--	--	--	--	--
10N.05E.14.413A SPINN	350522106222501	001	GW	04-24-95	1145	--	--	73.00	--	--
10N.06E.13.321 TOLMAN	350525106151701	001	GW	04-25-95	1030	325MDER	--	275.00	--	--
10N.05E.14.312 AESCHLIMEN	350531106224301	001	GW	04-12-95	1150	--	--	160.00	--	--
10N.06E.16.123 JARAMILLO	350557106182701	001	GW	06-07-95	1040	--	--	--	--	--
10N.06E.10.334 MONTANO	350601106173101	001	GW	07-25-95	1150	--	--	--	--	--
10N.05E.11.334 SAN ANTONIO	350602106224701	001	GW	06-09-95	0945	--	41.74	--	--	--
10N.06E.07.331 FOSTER	350604106205801	001	GW	03-22-95	1230	--	--	85.00	--	--
10N.06E.07.441 WOOLF	350606106200401	001	GW	05-30-95	1345	--	--	--	--	--
10N.06E.07.324 TRUJILLO	350609106202201	001	GW	06-01-95	1015	--	--	--	--	--
10N.05E.11.341 SANCHEZ	350610106223501	001	SP	06-06-95	1315	--	--	--	--	--
10N.05E.10.423 SANCHEZ(CHR	350613106230601	001	SP	06-08-95	1440	--	--	--	--	--
10N.05E.11.324 CUSHING	350615106223301	001	GW	04-05-95	1230	210MNCS	--	80.00	--	--
10N.05E.10.421 SANCHEZ(CHR	350617106231101	001	SP	06-08-95	1425	--	--	--	--	--
10N.06E.08.322 SHOLTIS	350620106192201	001	GW	04-25-95	1230	--	--	--	--	--
		001	GW	08-01-95	1330	--	--	--	--	--
10N.05E.12.311 CORNELL	350623106215301	001	GW	06-02-95	1300	--	--	--	--	--
10N.06E.05.441 MCCRAKEN	350655106185601	001	GW	04-24-95	1300	--	--	300.00	--	--
10N.06E.04.442 WHITE	350658106174401	001	GW	06-14-95	1320	--	98.50	--	--	--
10N.06E.06.323 DIKE	350702106203101	001	GW	06-12-95	1210	--	138.00	--	--	--
10N.05E.01.134 DUBBERT	350721106214101	001	GW	06-14-95	0940	--	65.00	220.00	--	--
10N.05E.02.233A SOUTHWICK	350721106222101	001	GW	04-13-95	1145	--	--	200.00	--	--
10N.05E.02.122 BAUDER	350735106223001	001	GW	06-06-95	1010	--	51.70	--	--	--
11N.06E.31.444 KRAMER	350739106195601	001	GW	04-25-95	1400	--	--	--	--	--
11N.06E.33.341 BEMILLARD	350748106182601	001	GW	05-31-95	1430	--	--	--	--	--
11N.05E.36.314 MOUNTAINVIE	350802106215401	001	GW	06-06-95	1200	231SNRS	37.90	200.00	--	--
11N.05E.35.422 PETZER	350805106220801	001	GW	06-07-95	1400	--	74.80	--	--	--
11N.05E.36.133 REYNOLDS	350812106220001	001	GW	06-07-95	1245	--	38.30	--	--	--
11N.05E.36.223 BULLINGTON	350825106211101	001	GW	07-27-95	1200	--	--	--	--	--
11N.06E.29.344 RIDER	350831106192301	001	GW	06-08-95	1030	--	--	--	--	--
11N.03E.31.21311A	350836106395401	001	GW	08-09-95	1000	112SNTF	38.43	983.00	978	--
		001	GW	08-09-95	1005	112SNTF	38.43	983.00	978	--
11N.03E.31.21311B	350836106395402	001	GW	08-03-95	1100	112SNTF	40.53	836.00	831	--
		001	GW	08-03-95	1105	112SNTF	40.53	836.00	831	--
11N.03E.31.21311C	350836106395403	001	GW	08-03-95	1540	112SNTF	40.39	568.00	563	--
		001	GW	08-03-95	1545	112SNTF	40.39	568.00	563	--
ELENA GALLEGOS LAND GRANT,	350836106395601	001	GW	08-08-95	0940	112SNTF	22.29	147.40	142	--
		001	GW	08-08-95	0945	112SNTF	22.29	147.40	142	--
ELENA GALLEGOS LAND GRNT	350836106395602	001	GW	08-08-95	1320	112SNTF	15.81	99.00	94	--
		001	GW	08-08-95	1325	112SNTF	15.81	99.00	94	--
11N.06E.27.342 VEENHUIS	350840106171601	001	GW	04-26-95	0930	--	--	320.00	--	--
		001	GW	07-27-95	0930	--	114.22	320.00	--	--
11N.06E.28.412 YELTON	350851106180301	001	GW	05-31-95	1300	--	--	--	--	--
11N.05E.25.422 DOUTHETT	350854106210001	001	GW	04-28-95	1230	--	--	--	--	--
11N.05E.25.143 SMITH	350859106214301	001	GW	07-26-95	0950	--	--	--	--	--
11N.06E.29.232 KITCHELL NO	350908106190601	001	GW	04-26-95	1112	--	--	178.00	--	--

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
08N.07E.29.324A DO	03-31-95	--	6790	10	10	890	7.1	8.0	11.0	--
09N.06E.34.242 LUJ	06-02-95	--	7220	2	10	1220	6.6	22.0	17.0	--
09N.02E.36.222	04-23-95	210	4907	--	6.7	373	8.0	12.5	16.0	640
	04-23-95	210	4907	--	6.7	373	8.0	12.5	16.0	640
09N.06E.29.244 MOS	03-28-95	--	7420	10	10	1580	7.1	0.0	11.0	--
09N.06E.30.121 PLU	06-02-95	--	7570	2	10	989	6.5	21.0	12.5	--
09N.06E.20.333 BUS	06-08-95	--	7490	--	5.0	1180	6.5	16.5	13.0	--
09N.06E.19.413 CLA	03-28-95	--	7660	10	10	784	7.9	-0.5	11.0	--
09N.06E.17.411 OAK	06-12-95	--	7680	1	5.0	872	6.9	27.0	15.0	--
09N.05E.12.241 STA	03-29-95	--	7060	10	10	1220	7.1	0.0	10.0	--
10N.06E.26.132 BUS	03-31-95	--	7030	10	10	1040	7.6	9.0	15.5	--
10N.05E.30.213 MCI	03-28-95	--	6030	10	10	1450	7.3	6.0	14.0	--
10N.05E.19.322 LEI	03-17-95	--	6255	15	10	577	7.3	24.0	17.0	--
10N.05E.23.313 SAN	06-01-95	--	6350	5	--	730	6.8	22.0	17.0	--
10N.05E.22.234 TIJ	03-14-95	--	6355	15	10	952	7.4	13.0	14.0	--
10N.05E.14.413A SP	04-24-95	--	6400	10	10	1530	7.1	10.0	12.0	--
10N.06E.13.321 TOL	04-25-95	--	6775	10	10	2090	7.0	12.5	8.0	--
10N.05E.14.312 AES	04-12-95	--	6540	--	--	1300	6.8	18.0	15.0	--
10N.06E.16.123 JAR	06-07-95	--	7200	10	10	1510	6.8	21.5	18.5	--
10N.06E.10.334 MON	07-25-95	--	6960	10	10	2790	7.2	31.0	16.5	--
10N.05E.11.334 SAN	06-09-95	--	6600	10	10	842	6.8	13.0	17.0	--
10N.06E.07.331 FOS	03-22-95	--	6520	5	10	1620	7.1	15.0	13.5	--
10N.06E.07.441 WOO	05-30-95	--	6730	10	10	690	6.8	20.0	16.0	--
10N.06E.07.324 TRU	06-01-95	--	6580	2	10	790	6.9	18.5	17.5	--
10N.05E.11.341 SAN	06-06-95	--	6580	--	--	421	7.6	24.0	19.0	--
10N.05E.10.423 SAN	06-08-95	--	6760	--	--	486	7.0	20.0	15.0	--
10N.05E.11.324 CUS	04-05-95	--	6580	2	10	935	7.3	15.5	12.0	--
10N.05E.10.421 SAN	06-08-95	--	6800	--	--	484	6.8	20.0	14.5	--
10N.06E.08.322 SHO	04-25-95	--	6880	10	10	800	7.3	13.0	15.0	--
	08-01-95	--	6880	--	--	793	7.3	28.5	15.0	--
10N.05E.12.311 COR	06-02-95	--	6540	--	10	385	6.6	32.0	14.5	--
10N.06E.05.441 MCC	04-24-95	--	6880	10	10	1750	6.7	12.0	13.0	--
10N.06E.04.442 WHI	06-14-95	--	6990	10	10	2400	6.6	31.0	18.0	--
10N.06E.06.323 DIK	06-12-95	--	6660	10	10	2960	6.6	28.0	16.0	--
10N.05E.01.134 DUB	06-14-95	--	7300	7	10	2580	6.4	22.0	17.0	--
10N.05E.02.233A SO	04-13-95	--	6765	13	10	730	9.3	18.5	14.0	--
10N.05E.02.122 BAU	06-06-95	--	6840	5	10	760	6.7	21.5	14.0	--
11N.06E.31.444 KRA	04-25-95	--	6800	10	--	1440	6.9	15.0	--	--
11N.06E.33.341 BEM	05-31-95	--	6880	10	10	1110	6.8	21.5	16.5	--
11N.05E.36.314 MOU	06-06-95	--	6855	10	10	1570	6.7	26.0	15.0	--
11N.05E.35.422 PET	06-07-95	--	6900	10	10	905	6.7	23.0	14.0	--
11N.05E.36.133 REY	06-07-95	--	6860	10	10	768	6.7	22.5	14.0	--
11N.05E.36.223 BUL	07-27-95	--	6920	10	10	1240	8.4	32.0	19.0	--
11N.06E.29.344 RID	06-08-95	--	6886	3	5.0	451	6.9	19.0	16.0	--
11N.03E.31.21311A	08-09-95	973	4970	--	3.0	390	7.9	24.0	21.5	635
	08-09-95	973	4970	--	3.0	390	7.9	24.0	21.5	635
11N.03E.31.21311B	08-03-95	826	4970	--	3.8	335	9.0	--	20.0	636
	08-03-95	826	4970	--	3.8	335	9.0	--	20.0	636
11N.03E.31.21311C	08-03-95	558	4970	--	2.3	317	9.2	--	19.0	634
	08-03-95	558	4970	--	2.3	317	9.2	--	19.0	634
ELENA GALLEGOS LAN	08-08-95	137	4970	--	3.8	504	7.7	26.5	15.5	636
	08-08-95	137	4970	--	3.8	504	7.7	26.5	15.5	636
ELENA GALLEGOS LAN	08-08-95	89	4970	--	3.3	670	7.6	32.0	16.5	635
	08-08-95	89	4970	--	3.3	670	7.6	32.0	16.5	635
11N.06E.27.342 VEE	04-26-95	--	6780	10	10	989	7.1	11.0	13.5	--
	07-27-95	--	6780	10	10	987	7.1	28.5	13.0	--
11N.06E.28.412 YEL	05-31-95	--	6720	10	10	530	6.5	20.0	15.0	--
11N.05E.25.422 DOU	04-28-95	--	6960	10	10	1100	6.8	17.0	13.0	--
11N.05E.25.143 SMI	07-26-95	--	6980	10	10	1280	7.7	29.5	16.0	--
11N.06E.29.232 KIT	04-26-95	--	6800	--	--	826	7.0	14.5	11.0	--

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
08N.07E.29.324A DO	03-31-95	--	390	10	130	15	41	0.9	2.1	--
09N.06E.34.242 LUJ	06-02-95	--	540	250	170	28	38	0.7	2.0	--
09N.02E.36.222	04-23-95	0.1	110	0	33	6.5	28	1	5.9	142
	04-23-95	0.1	--	--	--	--	--	--	--	142
09N.06E.29.244 MOS	03-28-95	--	530	--	160	32	140	3	3.7	--
09N.06E.30.121 PLU	06-02-95	--	440	150	150	17	32	0.7	1.5	--
09N.06E.20.333 BUS	06-08-95	--	530	210	190	13	26	0.5	0.90	--
09N.06E.19.413 CLA	03-28-95	--	52	--	8.7	7.3	160	10	4.1	--
09N.06E.17.411 OAK	06-12-95	--	440	98	120	34	22	0.5	3.7	--
09N.05E.12.241 STA	03-29-95	--	520	170	160	29	47	0.9	1.9	--
10N.06E.26.132 BUS	03-31-95	--	160	0	27	22	170	6	4.8	--
10N.05E.30.213 MCI	03-28-95	--	630	--	190	37	48	0.8	4.0	--
10N.05E.19.322 LEI	03-17-95	--	260	48	73	18	24	0.7	3.7	--
10N.05E.23.313 SAN	06-01-95	--	340	76	72	38	24	0.6	2.5	--
10N.05E.22.234 TIJ	03-14-95	--	370	150	74	46	56	1	5.3	--
10N.05E.14.413A SP	04-24-95	--	620	330	190	36	77	1	2.1	--
10N.06E.13.321 TOL	04-25-95	--	820	620	260	42	57	0.9	1.8	--
10N.05E.14.312 AES	04-12-95	--	640	320	200	34	39	0.7	1.9	--
10N.06E.16.123 JAR	06-07-95	--	660	400	190	45	42	0.7	2.5	--
10N.06E.10.334 MON	07-25-95	--	1400	1100	310	140	73	0.9	5.0	--
10N.05E.11.334 SAN	06-09-95	--	330	10	100	19	55	1	2.0	--
10N.06E.07.331 FOS	03-22-95	--	630	360	180	45	71	1	2.9	--
10N.06E.07.441 WOO	05-30-95	--	290	56	84	19	22	0.6	1.8	--
10N.06E.07.324 TRU	06-01-95	--	230	0	49	27	82	2	4.3	--
10N.05E.11.341 SAN	06-06-95	--	210	12	70	9.6	6.7	0.2	0.70	--
10N.05E.10.423 SAN	06-08-95	--	260	14	87	9.6	6.6	0.2	0.70	--
10N.05E.11.324 CUS	04-05-95	--	460	110	140	26	30	0.6	0.80	--
10N.05E.10.421 SAN	06-08-95	--	250	0	84	9.5	6.6	0.2	0.70	--
10N.06E.08.322 SHO	04-25-95	--	220	0	50	24	84	2	5.5	--
	08-01-95	--	240	0	52	26	80	2	5.6	--
10N.05E.12.311 COR	06-02-95	--	1800	1300	400	200	310	3	50	--
10N.06E.05.441 MCC	04-24-95	--	710	440	200	52	63	1	4.1	--
10N.06E.04.442 WHI	06-14-95	--	900	680	220	85	150	2	3.3	--
10N.06E.06.323 DIK	06-12-95	--	1300	870	280	150	230	3	7.4	--
10N.05E.01.134 DUB	06-14-95	--	1700	1200	430	140	45	0.5	4.2	--
10N.05E.02.233A SO	04-13-95	--	3	0	1.1	0.06	170	43	0.10	--
10N.05E.02.122 BAU	06-06-95	--	270	0	77	20	52	1	0.90	--
11N.06E.31.444 KRA	04-25-95	--	670	160	160	66	60	1	5.3	--
11N.06E.33.341 BEM	05-31-95	--	440	270	120	35	33	0.7	2.2	--
11N.05E.36.314 MOU	06-06-95	--	700	490	210	43	40	0.7	2.6	--
11N.05E.35.422 PET	06-07-95	--	390	110	120	21	31	0.7	0.70	--
11N.05E.36.133 REY	06-07-95	--	340	59	110	15	26	0.6	0.80	--
11N.05E.36.223 BUL	07-27-95	--	14	0	3.0	1.7	290	33	1.9	--
11N.06E.29.344 RID	06-08-95	--	380	0	60	55	190	4	4.4	--
11N.03E.31.21311A	08-09-95	0.1	98	0	29	6.1	40	2	7.0	150
11N.03E.31.21311B	08-09-95	0.1	--	--	--	--	--	--	--	150
	08-03-95	0.1	100	0	31	5.7	28	1	8.7	92
	08-03-95	0.1	--	--	--	--	--	--	--	92
11N.03E.31.21311C	08-03-95	0.1	110	9	33	6.2	21	0.9	7.9	76
	08-03-95	0.1	--	--	--	--	--	--	--	76
ELENA GALLEGOS LAN	08-08-95	0.1	200	45	57	15	21	0.6	8.9	194
	08-08-95	0.1	--	--	--	--	--	--	--	194
ELENA GALLEGOS LAN	08-08-95	0.1	270	57	77	20	25	0.7	12	265
	08-08-95	0.1	--	--	--	--	--	--	--	265
11N.06E.27.342 VEE	04-26-95	--	430	270	140	20	21	0.4	1.9	--
	07-27-95	--	440	280	140	21	23	0.5	1.9	--
11N.06E.28.412 YEL	05-31-95	--	290	34	92	15	14	0.4	1.7	--
11N.05E.25.422 DOU	04-28-95	--	490	180	130	41	26	0.5	3.8	--
11N.05E.25.143 SMI	07-26-95	--	580	330	180	31	24	0.4	1.5	--
11N.06E.29.232 KIT	04-26-95	--	390	160	120	21	22	0.5	2.1	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
08N.07E.29.324A DO	03-31-95	--	--	376	378	49	31	0.20	--	18
09N.06E.34.242 LUJ	06-02-95	--	--	286	293	130	130	0.30	--	18
09N.02E.36.222	04-23-95	0	120	116	118	36	22	0.50	0.080	57
	04-23-95	0	120	116	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	409	170	160	1.1	--	20
09N.06E.30.121 PLU	06-02-95	--	--	296	307	76	82	0.20	--	19
09N.06E.20.333 BUS	06-08-95	--	--	314	325	43	140	0.20	--	19
09N.06E.19.413 CLA	03-28-95	--	--	--	325	21	34	4.9	--	10
09N.06E.17.411 OAK	06-12-95	--	--	342	354	63	45	0.30	--	13
09N.05E.12.241 STA	03-29-95	--	--	354	350	51	140	0.40	--	15
10N.06E.26.132 BUS	03-31-95	--	--	372	373	83	55	4.8	--	11
10N.05E.30.213 MCI	03-28-95	--	--	--	235	160	180	1.8	--	21
10N.05E.19.322 LEI	03-17-95	--	--	208	212	74	8.9	2.1	--	19
10N.05E.23.313 SAN	06-01-95	--	--	260	269	70	36	0.50	--	17
10N.05E.22.234 TIJ	03-14-95	--	--	222	230	88	130	0.20	--	17
10N.05E.14.413A SP	04-24-95	--	--	288	302	240	190	0.20	--	20
10N.06E.13.321 TOL	04-25-95	--	--	198	208	130	450	0.30	--	19
10N.05E.14.312 AES	04-12-95	--	--	322	283	270	97	0.30	--	19
10N.06E.16.123 JAR	06-07-95	--	--	255	264	200	210	0.40	--	14
10N.06E.10.334 MON	07-25-95	--	--	270	281	640	470	0.30	--	19
10N.05E.11.334 SAN	06-09-95	--	--	318	329	98	12	0.20	--	16
10N.06E.07.331 FOS	03-22-95	--	--	278	285	67	310	0.20	--	20
10N.06E.07.441 WOO	05-30-95	--	--	232	237	66	21	0.40	--	16
10N.06E.07.324 TRU	06-01-95	--	--	299	309	69	27	0.80	--	12
10N.05E.11.341 SAN	06-06-95	--	--	202	173	15	4.0	0.20	--	18
10N.05E.10.423 SAN	06-08-95	--	--	243	250	14	3.9	0.20	--	17
10N.05E.11.324 CUS	04-05-95	--	--	348	357	100	19	0.20	--	20
10N.05E.10.421 SAN	06-08-95	--	--	250	250	14	4.0	0.20	--	17
10N.06E.08.322 SHO	04-25-95	--	--	286	292	69	45	1.2	--	10
	08-01-95	--	--	284	287	69	46	1.1	--	10
10N.05E.12.311 COR	06-02-95	--	--	496	410	1800	180	0.50	--	19
10N.06E.05.441 MCC	04-24-95	--	--	274	265	150	290	0.20	--	16
10N.06E.04.442 WHI	06-14-95	--	--	220	229	220	520	0.40	--	16
10N.06E.06.323 DIK	06-12-95	--	--	448	463	1000	190	0.40	--	18
10N.05E.01.134 DUB	06-14-95	--	--	410	426	1200	50	0.30	--	24
10N.05E.02.233A SO	04-13-95	--	--	312	324	40	14	0.90	--	10
10N.05E.02.122 BAU	06-06-95	--	--	287	300	42	43	0.30	--	16
11N.06E.31.444 KRA	04-25-95	--	--	514	491	290	35	0.40	--	23
11N.06E.33.341 BEM	05-31-95	--	--	169	174	68	200	0.30	--	18
11N.05E.36.314 MOU	06-06-95	--	--	213	219	250	210	0.20	--	19
11N.05E.35.422 PET	06-07-95	--	--	275	286	45	77	0.30	--	24
11N.05E.36.133 REY	06-07-95	--	--	278	287	28	53	0.30	--	25
11N.05E.36.223 BUL	07-27-95	--	--	494	494	150	6.5	0.60	--	9.6
11N.06E.25.344 RID	06-08-95	--	--	510	521	270	17	0.30	--	18
11N.03E.31.21311A	08-09-95	--	120	123	123	53	9.0	0.40	0.050	63
	08-09-95	--	120	123	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	23	110	113	93	40	7.7	0.50	0.040	83
	08-03-95	23	110	113	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	22	96	98	67	43	11	0.40	0.040	67
	08-03-95	22	96	98	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	160	159	158	69	16	0.30	0.070	67
	08-08-95	--	160	159	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	210	217	214	98	19	0.20	0.080	64
	08-08-95	--	210	217	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	161	165	100	140	0.30	--	18
	07-27-95	--	--	158	164	99	140	0.30	--	19
11N.06E.28.412 YEL	05-31-95	--	--	258	266	25	20	0.30	--	19
11N.05E.25.422 DOU	04-28-95	--	--	318	--	94	97	0.30	--	22
11N.05E.25.143 SMI	07-26-95	--	--	245	256	29	220	0.20	--	27
11N.06E.29.232 KIT	04-26-95	--	--	228	233	210	3.9	0.30	--	21

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N) (00623)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P) (00671)
08N.07E.29.324A DO	03-31-95	--	527	--	<0.010	3.10	<0.015	<0.20	0.050	0.030
09N.06E.34.242 LUJ	06-02-95	--	708	--	<0.010	3.70	0.020	<0.20	<0.010	<0.010
09N.02E.36.222	04-23-95	269	260	--	<0.010	0.160	<0.015	<0.20	<0.010	<0.010
	04-23-95	--	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	938	--	<0.010	1.30	<0.015	0.20	0.020	0.030
09N.06E.30.121 FLU	06-02-95	--	583	--	<0.010	4.70	0.020	<0.20	<0.010	0.020
09N.06E.20.333 BUS	06-08-95	--	663	--	<0.010	8.10	0.030	<0.20	<0.010	0.040
09N.06E.19.413 CLA	03-28-95	--	445	--	<0.010	0.050	<0.015	<0.20	<0.010	<0.010
09N.06E.17.411 OAK	06-12-95	--	516	--	<0.010	0.560	0.020	<0.20	0.020	0.010
09N.05E.12.241 STA	03-29-95	--	674	--	<0.010	4.50	<0.015	<0.20	0.010	0.020
10N.06E.26.132 BUS	03-31-95	--	602	--	<0.010	0.080	0.030	<0.20	<0.010	<0.010
10N.05E.30.213 MCI	03-28-95	--	845	--	<0.010	14.0	<0.015	<0.20	<0.010	<0.010
10N.05E.19.322 LEI	03-17-95	--	353	--	<0.010	0.720	<0.015	<0.20	<0.010	<0.010
10N.05E.23.313 SAN	06-01-95	--	427	--	<0.010	1.20	<0.015	<0.20	<0.010	<0.010
10N.05E.22.234 TIJ	03-14-95	--	558	0.650	0.010	0.660	<0.015	<0.20	<0.010	<0.010
10N.05E.14.413A SP	04-24-95	--	948	--	<0.010	2.60	<0.015	<0.20	<0.010	0.010
10N.06E.13.321 TOL	04-25-95	--	1120	--	<0.010	7.60	<0.015	0.20	<0.010	0.010
10N.05E.14.312 AES	04-12-95	--	831	--	<0.010	<0.050	<0.015	<0.20	<0.010	<0.010
10N.06E.16.123 JAR	06-07-95	--	894	7.19	0.010	7.20	0.030	<0.20	0.010	0.010
10N.06E.10.334 MON	07-25-95	--	1830	--	<0.010	0.100	0.030	<0.20	<0.010	<0.010
10N.05E.11.334 SAN	06-09-95	--	522	5.08	0.020	5.10	0.020	<0.20	<0.010	<0.010
10N.06E.07.331 POS	03-22-95	--	908	--	<0.010	9.20	0.020	<0.20	0.010	0.020
10N.06E.07.441 WOO	05-30-95	--	374	--	<0.010	0.480	<0.015	2.1	<0.010	<0.010
10N.06E.07.324 TRU	06-01-95	--	464	1.68	0.020	1.70	0.020	<0.20	<0.010	0.010
10N.05E.11.341 SAN	06-06-95	--	229	--	<0.010	0.140	0.020	<0.20	<0.010	<0.010
10N.05E.10.423 SAN	06-08-95	--	290	--	<0.010	0.170	0.020	<0.20	<0.010	<0.010
10N.05E.11.324 CUS	04-05-95	--	582	7.18	0.020	7.20	<0.015	<0.20	0.020	0.020
10N.05E.10.421 SAN	06-08-95	--	287	--	<0.010	0.180	0.020	<0.20	<0.010	<0.010
10N.06E.08.322 SHO	04-25-95	--	466	--	<0.010	0.560	<0.015	<0.20	<0.010	<0.010
	08-01-95	--	463	--	<0.010	0.300	<0.015	<0.20	0.030	<0.010
10N.05E.12.311 COR	06-02-95	--	3210	--	<0.010	1.20	0.080	<0.20	<0.010	<0.010
10N.06E.05.441 MCC	04-24-95	--	976	--	<0.010	9.40	<0.015	0.20	<0.010	<0.010
10N.06E.04.442 WHI	06-14-95	--	1360	0.780	0.010	0.790	0.030	<0.20	0.030	<0.010
10N.06E.06.323 DIK	06-12-95	--	2150	--	<0.010	<0.050	0.380	0.50	<0.010	<0.010
10N.05E.01.134 DUB	06-14-95	--	2150	--	<0.010	<0.050	0.100	<0.20	0.020	<0.010
10N.05E.02.233A SO	04-13-95	--	432	0.310	0.020	0.330	<0.015	<0.20	0.030	0.020
10N.05E.02.122 BAW	06-06-95	--	433	--	<0.010	0.320	<0.015	<0.20	<0.010	<0.010
11N.06E.31.444 KRA	04-25-95	--	935	--	<0.010	<0.050	0.210	0.30	<0.010	<0.010
11N.06E.33.341 BEM	05-31-95	--	600	--	<0.010	4.40	0.020	<0.20	<0.010	<0.010
11N.05E.36.314 MOU	06-06-95	--	937	6.97	0.030	7.00	<0.015	<0.20	<0.010	<0.010
11N.05E.35.422 PET	06-07-95	--	526	--	<0.010	7.90	0.030	<0.20	0.010	0.020
11N.05E.36.133 REY	06-07-95	--	445	--	<0.010	3.30	0.030	<0.20	0.050	0.040
11N.05E.36.223 BUL	07-27-95	--	761	--	<0.010	<0.050	0.430	0.50	<0.010	0.010
11N.06E.29.344 RID	06-08-95	--	931	--	<0.010	<0.050	1.10	0.90	<0.010	<0.010
11N.03E.31.21311A	08-09-95	281	283	--	<0.010	0.210	0.050	<0.20	<0.010	<0.010
	08-09-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	270	273	--	<0.010	<0.050	0.020	<0.20	<0.010	0.010
	08-03-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	228	249	--	<0.010	<0.050	0.020	<0.20	<0.010	<0.010
	08-03-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	354	350	--	<0.010	0.090	0.020	<0.20	0.010	<0.010
	08-08-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	453	446	--	<0.010	0.090	0.020	<0.20	<0.010	<0.010
	08-08-95	--	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	566	--	<0.010	5.80	<0.015	<0.20	0.030	0.030
	07-27-95	--	570	--	<0.010	6.20	0.070	<0.20	<0.010	0.020
11N.06E.28.412 YEL	05-31-95	--	365	--	<0.010	4.20	0.020	0.20	<0.010	0.020
11N.05E.25.422 DOU	04-28-95	--	628	--	<0.010	5.20	<0.015	<0.20	<0.010	<0.010
11N.05E.25.143 SMI	07-26-95	--	709	--	<0.010	9.70	<0.015	<0.20	0.040	0.020
11N.06E.29.232 KIT	04-26-95	--	541	--	<0.010	0.180	<0.015	<0.20	0.020	0.010

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
08N.07E.29.324A DO	03-31-95	2.7	--	0.04	--	<1	--	--	60	--
09N.06E.34.242 LUJ	06-02-95	2.3	--	0.04	--	<1	--	--	70	--
09N.02E.36.222	04-23-95	--	0.20	--	--	--	--	--	--	--
	04-23-95	--	--	--	<1	10	27	<1	--	<1.0
09N.06E.29.244 MOS	03-28-95	9.9	--	0.02	--	28	--	--	120	--
09N.06E.30.121 PLU	06-02-95	2.4	--	0.03	--	<1	--	--	50	--
09N.06E.20.333 BUS	06-08-95	3.3	--	<0.02	--	<1	--	--	50	--
09N.06E.19.413 CLA	03-28-95	3.4	--	<0.02	--	<1	--	--	280	--
09N.06E.17.411 OAK	06-12-95	1.3	--	<0.02	--	<1	--	--	60	--
09N.05E.12.241 STA	03-29-95	5.6	--	<0.02	--	<1	--	--	40	--
10N.06E.26.132 BUS	03-31-95	12	--	0.03	--	<1	--	--	320	--
10N.05E.30.213 MCI	03-28-95	1.0	--	<0.02	--	<1	--	--	50	--
10N.05E.19.322 LEI	03-17-95	4.9	--	<0.02	--	<1	--	--	30	--
10N.05E.23.313 SAN	06-01-95	0.40	--	0.04	--	<1	--	--	70	--
10N.05E.22.234 TIJ	03-14-95	3.3	--	<0.02	--	2	--	--	190	--
10N.05E.14.413A SP	04-24-95	8.9	--	<0.02	--	<1	--	--	50	--
10N.06E.13.321 TOL	04-25-95	12	--	0.02	--	<1	--	--	50	--
10N.05E.14.312 AES	04-12-95	11	--	<0.02	--	<1	--	--	50	--
10N.06E.16.123 JAR	06-07-95	1.7	--	0.05	--	<1	--	--	50	--
10N.06E.10.334 MON	07-25-95	3.3	--	<0.02	--	<1	--	--	130	--
10N.05E.11.334 SAN	06-09-95	1.0	--	0.03	--	<1	--	--	60	--
10N.06E.07.331 FOS	03-22-95	12	--	<0.02	--	<1	--	--	110	--
10N.06E.07.441 WOO	05-30-95	1.5	--	<0.02	--	<1	--	--	60	--
10N.06E.07.324 TRU	06-01-95	2.6	--	<0.02	--	1	--	--	230	--
10N.05E.11.341 SAN	06-06-95	3.2	--	0.04	--	<1	--	--	20	--
10N.05E.10.423 SAN	06-08-95	1.3	--	<0.02	--	<1	--	--	20	--
10N.05E.11.324 CUS	04-05-95	0.80	--	<0.02	--	<1	--	--	50	--
10N.05E.10.421 SAN	06-08-95	0.70	--	0.02	--	<1	--	--	<10	--
10N.06E.08.322 SHO	04-25-95	4.2	--	<0.02	--	4	--	--	150	--
	08-01-95	0.70	--	<0.02	--	9	--	--	140	--
10N.05E.12.311 COR	06-02-95	3.1	--	<0.02	--	<1	--	--	140	--
10N.06E.05.441 MCC	04-24-95	12	--	0.04	--	<1	--	--	50	--
10N.06E.04.442 WHI	06-14-95	2.7	--	<0.02	--	<1	--	--	100	--
10N.06E.06.323 DIK	06-12-95	1.9	--	0.04	--	<1	--	--	260	--
10N.05E.01.134 DUB	06-14-95	1.2	--	<0.02	--	<1	--	--	70	--
10N.05E.02.233A SO	04-13-95	1.5	--	<0.02	--	2	--	--	10	--
10N.05E.02.122 BAW	06-06-95	1.0	--	0.07	--	2	--	--	250	--
11N.06E.31.444 KRA	04-25-95	8.5	--	<0.02	--	<1	--	--	180	--
11N.06E.33.341 BEM	05-31-95	1.5	--	<0.02	--	<1	--	--	70	--
11N.05E.36.314 MOU	06-06-95	2.2	--	0.03	--	<1	--	--	230	--
11N.05E.35.422 PET	06-07-95	1.5	--	<0.02	--	1	--	--	100	--
11N.05E.36.133 REY	06-07-95	1.1	--	0.02	--	2	--	--	90	--
11N.05E.36.223 BUL	07-27-95	0.90	--	<0.02	--	<1	--	--	480	--
11N.06E.29.344 RID	06-08-95	0.90	--	<0.02	--	<1	--	--	230	--
11N.03E.31.21311A	08-09-95	--	--	<0.10	--	--	--	--	--	--
	08-09-95	--	--	--	<1	6	99	<1	--	<1.0
11N.03E.31.21311B	08-03-95	--	0.20	--	--	--	--	--	--	--
	08-03-95	--	--	--	<1	6	61	<1	--	<1.0
11N.03E.31.21311C	08-03-95	--	0.30	--	--	--	--	--	--	--
	08-03-95	--	--	--	<1	6	64	<1	--	<1.0
ELENA GALLEGOS LAN	08-08-95	--	1.0	--	--	--	--	--	--	--
	08-08-95	--	--	--	<1	5	90	<1	--	<1.0
ELENA GALLEGOS LAN	08-08-95	--	1.7	--	--	--	--	--	--	--
	08-08-95	--	--	--	<1	3	150	<1	--	<1.0
11N.06E.27.342 VEE	04-26-95	2.4	--	<0.02	--	<1	--	--	50	--
	07-27-95	1.6	--	<0.02	--	<1	--	--	40	--
11N.06E.28.412 YEL	05-31-95	0.50	--	<0.02	--	<1	--	--	40	--
11N.05E.25.422 DOU	04-28-95	8.6	--	0.04	--	<1	--	--	80	--
11N.05E.25.143 SMI	07-26-95	3.7	--	<0.02	--	<1	--	--	120	--
11N.06E.29.232 KIT	04-26-95	5.2	--	<0.02	--	1	--	--	70	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
08N.07E.29.324A DO	03-31-95	--	--	--	6	--	<1	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	<3	--	4	--	--	--
09N.02E.36.222	04-23-95	--	--	--	3	--	2	--	--	--
	04-23-95	1	<1	<1	--	<1	2	3	<1	<1
09N.06E.29.244 MOS	03-28-95	--	--	--	29	--	8	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	<3	--	<1	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	8	--	<1	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	13	--	<1	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	4	--	<1	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	7	--	3	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	14	--	6	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	5	--	1	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	8	--	<1	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	10	--	<1	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	100	--	19	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	5	--	<1	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	10	--	<10	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	19	--	4	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	4	--	5	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	70	--	30	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	<3	--	4	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	7	--	<1	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	<3	--	<1	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	<3	--	10	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	<3	--	<1	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	<3	--	<1	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	4	--	1	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	<3	--	<1	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	5	--	2	--	--	--
	08-01-95	--	--	--	4	--	2	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	70	--	30	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	5	--	<1	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	<10	--	<10	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	700	--	60	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	<10	--	140	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	9	--	4	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	3	--	<1	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	360	--	18	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	<3	--	<1	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	16	--	2	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	<3	--	<1	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	<3	--	<1	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	140	--	1	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	2100	--	12	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	70	--	470	--	--	--
	08-09-95	<1	<1	<1	--	<1	400	6	<1	<1
11N.03E.31.21311B	08-03-95	--	--	--	<3	--	<1	--	--	--
	08-03-95	<1	<1	<1	--	<1	<1	2	<1	<1
11N.03E.31.21311C	08-03-95	--	--	--	<3	--	1	--	--	--
	08-03-95	1	<1	<1	--	<1	<1	4	<1	<1
ELENA GALLEGOS LAN	08-08-95	--	--	--	<3	--	7	--	--	--
	08-08-95	<1	<1	<1	--	<1	7	6	2	<1
ELENA GALLEGOS LAN	08-08-95	--	--	--	<3	--	130	--	--	--
	08-08-95	<1	<1	<1	--	<1	110	9	2	<1
11N.06E.27.342 VEE	04-26-95	--	--	--	<3	--	<1	--	--	--
	07-27-95	--	--	--	<3	--	<1	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	<3	--	3	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	<3	--	6	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	<3	--	12	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	15	--	2	--	--	--

BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA, RADIO, WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ Y-90) (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	--	<3.0	0.80	<3.0	0.75	14	4.1	9.0	2.1
	04-23-95	<1.0	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.30.121 FLU	06-02-95	--	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--	--
10N.05E.02.122 BAW	06-06-95	--	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	<3.0	0.76	<3.0	0.76	15	3.8	8.2	2.0
	08-09-95	<1.0	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	<3.0	0.94	<3.0	0.88	13	3.7	8.5	2.0
	08-03-95	<1.0	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	<3.0	0.80	<3.0	0.76	13	3.6	8.5	2.0
	08-03-95	<1.0	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	6.1	1.5	5.9	1.3	19	4.9	11	2.2
	08-08-95	<1.0	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	17	3.0	11	2.2	20	3.2	15	2.5
	08-08-95	<1.0	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- PIER	DATE	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	C-13 / C-12 STABLE ISOTOPE RATIO PER MIL (82081)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	470	25	--	--	--	--	--	--
	04-23-95	--	--	3.0	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	370	23	--	2.3	0.60	-9.60	-93.1	-12.79
	08-09-95	--	--	4.0	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	<0.3	0.60	-9.50	-95.9	-12.92
	08-03-95	--	--	3.0	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	4.1	0.60	-8.40	-98.3	-13.36
	08-03-95	--	--	2.0	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	240	19	--	74	5.1	-10.40	-94.8	-12.56
	08-08-95	--	--	7.0	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	340	20	--	77	5.1	-11.90	-92.7	-12.51
	08-08-95	--	--	13	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	STATION NUMBER	COUNTY SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
11N.06E.19.342	HENTON	350930106203001	001 GW	06-14-95	1110	--	60.00	--
11N.05E.24.443	WESTBROOK	350930106210701	001 GW	03-23-95	1200	--	120.00	--
11N.06E.19.441	COX	350931106200901	001 GW	04-26-95	1230	--	--	--
			001 GW	08-01-95	1100	--	--	--
11N.06E.20.321	SPACER	350946106193501	001 GW	05-31-95	1040	--	109.90	--
11N.06E.21.133	PAVEL	350949106184501	001 GW	04-14-95	1100	--	--	280.00
11N.05E.24.412	ANISON	350949106211801	001 GW	04-12-95	1000	--	--	260.00
11N.04E.22.312	LACY	350957106304301	001 GW	03-16-95	1700	--	--	655.00
11N.04E.21.411	GRACE LUT	351001106312201	001 GW	03-15-95	1030	--	--	930.00
11N.04E.22.244	WARNER	351005106295701	001 GW	03-24-95	1415	--	--	515.00
11N.05E.23.222B	MATHEWS	351011106220401	001 GW	03-24-95	1100	--	--	--
11N.06E.19.122	LIEBLING	351014106202801	001 GW	03-23-95	0930	--	--	--
11N.04E.24.124P	ELLENA GA	351020106282001	001 GW	03-16-95	1015	--	--	--
11N.04E.17.434	HAZARENE	351029106322001	001 GW	03-15-95	1135	--	670.00	--
11N.03E.13.332	TUFF SHED	351034106345601	001 GW	03-13-95	1330	--	--	--
11N.03E.15.344B		351035106364702	001 GW	08-07-95	1430	112SNTF	55.89	143.50 144
			001 GW	08-07-95	1435	112SNTF	55.89	143.50 144
11N.03E.15.344C		351035106364703	001 GW	08-07-95	1050	112SNTF	73.70	543.90 543
			001 GW	08-07-95	1055	112SNTF	73.70	543.90 543
11N.04E.15.244	LEYBA	351055106295401	001 GW	03-22-95	0850	--	--	632.00 --
11N.03E.13.231	SCHUMACKE	351106106343601	001 GW	03-14-95	1215	--	--	364.00 --
11N.04E.18.124	SPANISH A	351108106333601	001 GW	03-15-95	1250	--	--	575.00 --
11N.03E.16.111		351120106381601	001 GW	05-04-95	1040	112SNTF	29.26	300.00 280
			001 GW	05-04-95	1045	112SNTF	29.26	300.00 280

LOCAL IDENT- IFIER	DATE	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
11N.06E.19.342	HEN 06-14-95	--	6810	10	10	508	6.8	32.0	18.0	--
11N.05E.24.443	WES 03-23-95	--	6860	15	10	1270	7.0	11.0	13.0	--
11N.06E.19.441	COX 04-26-95	--	6740	10	10	1470	7.0	16.0	12.5	--
	08-01-95	--	6740	--	--	1580	7.3	21.0	14.0	--
11N.06E.20.321	SPA 05-31-95	--	6690	--	10	700	7.1	20.5	15.0	--
11N.06E.21.133	PAV 04-14-95	--	6700	3	10	713	7.3	20.5	13.5	--
11N.05E.24.412	ANI 04-12-95	--	6940	10	10	666	7.0	9.0	7.0	--
11N.04E.22.312	L 03-16-95	--	5868	10	10	376	7.7	21.0	18.0	--
11N.04E.21.411	G 03-15-95	--	5745	10	10	317	7.6	11.5	13.5	--
11N.04E.22.244	W 03-24-95	--	6020	10	10	454	7.5	15.0	17.0	--
11N.05E.23.222B	MA 03-24-95	--	7100	10	10	856	6.9	10.0	9.0	--
11N.06E.19.122	LIE 03-23-95	--	6798	10	10	825	7.2	11.5	12.0	--
11N.04E.24.124P	E 03-16-95	--	6455	10	10	567	7.7	15.0	14.0	--
11N.04E.17.434	N 03-15-95	--	5500	5	10	604	7.4	17.0	15.5	--
11N.03E.13.332	T 03-13-95	--	5190	16	10	600	7.5	22.0	16.5	--
11N.03E.15.344B	08-07-95	139	5006	--	2.5	840	7.3	39.0	17.5	632
	08-07-95	139	5006	--	2.5	840	7.3	39.0	17.5	632
11N.03E.15.344C	08-07-95	538	5006	--	1.8	283	8.0	32.0	16.5	635
	08-07-95	538	5006	--	1.8	283	8.0	32.0	16.5	635
11N.04E.15.244	L 03-22-95	--	6040	10	10	416	7.3	12.0	18.0	--
11N.03E.13.231	S 03-14-95	--	5230	20	10	527	8.1	19.0	15.5	--
11N.04E.18.124	S 03-15-95	--	5385	10	10	344	7.6	21.0	17.5	--
11N.03E.16.111	05-04-95	260	4993	--	6.7	280	8.0	18.5	14.5	636
	05-04-95	260	4993	--	6.7	280	8.0	18.5	14.5	636

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
11N.06E.19.342 HEN	06-14-95	--	230	23	86	4.4	12	0.3	0.70	--
11N.05E.24.443 WES	03-23-95	--	560	260	190	21	31	0.6	1.2	--
11N.06E.19.441 COX	04-26-95	--	840	700	310	17	19	0.3	1.8	--
	08-01-95	--	900	730	330	19	21	0.3	1.7	--
11N.06E.20.321 SPA	05-31-95	--	240	52	52	26	47	1	2.1	--
11N.06E.21.133 PAV	04-14-95	--	330	41	83	29	23	0.6	1.3	--
11N.05E.24.412 ANI	04-12-95	--	310	66	110	9.3	12	0.3	0.80	--
11N.04E.22.312 L	03-16-95	--	140	0	50	3.8	17	0.6	1.3	--
11N.04E.21.411 G	03-15-95	--	120	0	43	3.4	19	0.8	1.3	--
11N.04E.22.244 W	03-24-95	--	210	21	71	8.2	14	0.4	1.7	--
11N.05E.23.222B MA	03-24-95	--	380	78	130	13	30	0.7	1.1	--
11N.06E.19.122 LIE	03-23-95	--	360	190	110	21	16	0.4	1.3	--
11N.04E.24.124P E	03-16-95	--	260	9	83	13	20	0.5	2.2	--
11N.04E.17.434 N	03-15-95	--	170	31	59	5.2	54	2	2.4	--
11N.03E.13.332 T	03-13-95	--	260	81	83	13	23	0.6	3.6	--
11N.03E.15.344B	08-07-95	<0.1	330	50	110	14	44	1	6.4	344
	08-07-95	<0.1	--	--	--	--	--	--	--	344
11N.03E.15.344C	08-07-95	0.1	110	0	31	6.8	15	0.6	3.5	128
	08-07-95	0.1	--	--	--	--	--	--	--	128
11N.04E.15.244 L	03-22-95	--	160	18	53	7.1	20	0.7	1.5	--
11N.03E.13.231 S	03-14-95	--	240	74	73	13	21	0.6	3.6	--
11N.04E.18.124 S	03-15-95	--	95	0	27	6.7	32	1	6.1	--
11N.03E.16.111	05-04-95	0.1	100	0	31	5.8	14	0.6	4.5	126
	05-04-95	0.1	--	--	--	--	--	--	--	126
LOCAL IDENT- IFIER	DATE	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
11N.06E.19.342 HEN	06-14-95	--	--	210	217	10	20	0.20	--	18
11N.05E.24.443 WES	03-23-95	--	--	298	303	31	160	0.20	--	29
11N.06E.19.441 COX	04-26-95	--	--	140	167	660	20	0.30	--	23
	08-01-95	--	--	168	169	730	18	0.20	--	23
11N.06E.20.321 SPA	05-31-95	--	--	185	194	80	51	0.90	--	23
11N.06E.21.133 PAV	04-14-95	--	--	286	293	56	23	0.30	--	27
11N.05E.24.412 ANI	04-12-95	--	--	247	258	25	49	0.30	--	16
11N.04E.22.312 L	03-16-95	--	--	150	152	15	4.8	0.60	--	26
11N.04E.21.411 G	03-15-95	--	--	134	137	17	5.1	0.50	--	26
11N.04E.22.244 W	03-24-95	--	--	190	193	26	6.5	1.8	--	23
11N.05E.23.222B MA	03-24-95	--	--	300	303	34	80	0.60	--	17
11N.06E.19.122 LIE	03-23-95	--	--	174	178	39	120	0.30	--	26
11N.04E.24.124P E	03-16-95	--	--	252	253	41	5.8	2.0	--	25
11N.04E.17.434 N	03-15-95	--	--	138	139	32	84	0.80	--	32
11N.03E.13.332 T	03-13-95	--	--	180	189	92	17	0.30	--	27
11N.03E.15.344B	08-07-95	--	280	282	281	130	24	0.10	0.11	45
	08-07-95	--	280	282	--	--	--	--	--	--
11N.03E.15.344C	08-07-95	--	100	105	104	25	7.1	0.30	0.030	43
	08-07-95	--	100	105	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	144	148	33	10	1.5	--	26
11N.03E.13.231 S	03-14-95	--	--	162	167	83	17	0.20	--	29
11N.04E.18.124 S	03-15-95	--	--	124	124	31	9.9	0.70	--	64
11N.03E.16.111	05-04-95	0	100	103	106	26	7.4	0.30	0.040	49
	05-04-95	0	100	103	--	--	--	--	--	--

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS N (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)
11N.06E.19.342 HEN	06-14-95	--	290	--	<0.010	1.90	0.020	<0.20	0.050	0.010
11N.05E.24.443 WES	03-23-95	--	738	--	<0.010	21.0	<0.015	<0.20	0.020	0.020
11N.06E.19.441 COX	04-26-95	--	1160	--	<0.010	2.00	0.020	<0.20	0.030	0.020
	08-01-95	--	1250	--	<0.010	2.30	0.040	<0.20	0.010	0.020
11N.06E.20.321 SPA	05-31-95	--	413	--	<0.010	3.20	0.020	<0.20	<0.010	<0.010
11N.06E.21.133 PAV	04-14-95	--	424	--	<0.010	1.20	<0.015	<0.20	<0.010	<0.010
11N.05E.24.412 ANI	04-12-95	--	380	--	<0.010	0.630	<0.015	<0.20	<0.010	<0.010
11N.04E.22.312 L	03-16-95	--	211	--	<0.010	0.240	<0.015	<0.20	<0.010	<0.010
11N.04E.21.411 G	03-15-95	--	199	--	<0.010	0.280	<0.015	<0.20	<0.010	<0.010
11N.04E.22.244 W	03-24-95	--	279	--	<0.010	2.40	<0.015	<0.20	<0.010	<0.010
11N.05E.23.222B MA	03-24-95	--	488	--	<0.010	0.130	<0.015	<0.20	<0.010	<0.010
11N.06E.19.122 LIE	03-23-95	--	452	--	<0.010	2.70	<0.015	<0.20	0.010	0.010
11N.04E.24.124P E	03-16-95	--	344	--	<0.010	0.120	<0.015	<0.20	<0.010	<0.010
11N.04E.17.434 N	03-15-95	--	354	--	<0.010	0.160	<0.015	<0.20	<0.010	<0.010
11N.03E.13.332 T	03-13-95	--	373	--	<0.010	0.170	<0.015	<0.20	0.050	0.020
11N.03E.15.344B	08-07-95	559	547	0.570	0.090	0.660	<0.015	<0.20	0.020	0.030
	08-07-95	--	--	--	--	--	--	--	--	--
11N.03E.15.344C	08-07-95	189	195	--	<0.010	0.100	0.020	<0.20	0.010	0.010
	08-07-95	--	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	253	--	<0.010	2.80	0.020	<0.20	<0.010	0.010
11N.03E.13.231 S	03-14-95	--	340	--	<0.010	0.060	<0.015	<0.20	<0.010	<0.010
11N.04E.18.124 S	03-15-95	--	252	--	<0.010	<0.050	<0.015	<0.20	<0.010	0.010
11N.03E.16.111	05-04-95	209	200	--	<0.010	<0.050	<0.015	<0.20	0.020	0.010
	05-04-95	--	--	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	DATE	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C (00681)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	ANTI- MONY, DIS- SOLVED (UG/L) AS SB (01095)	ARSENIC DIS- SOLVED (UG/L) AS AS (01000)	BARIUM, DIS- SOLVED (UG/L) AS BA (01005)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE (01010)	BORON, DIS- SOLVED (UG/L) AS B (01020)	CADMIUM DIS- SOLVED (UG/L) AS CD (01025)
11N.06E.19.342 HEN	06-14-95	1.1	--	<0.02	--	1	--	--	20	--
11N.05E.24.443 WES	03-23-95	4.2	--	<0.02	--	1	--	--	60	--
11N.06E.19.441 COX	04-26-95	1.8	--	<0.02	--	<1	--	--	30	--
	08-01-95	0.30	--	<0.02	--	<1	--	--	--	--
11N.06E.20.321 SPA	05-31-95	0.90	--	0.02	--	2	--	--	150	--
11N.06E.21.133 PAV	04-14-95	3.9	--	<0.02	--	1	--	--	70	--
11N.05E.24.412 ANI	04-12-95	3.4	--	<0.02	--	<1	--	--	20	--
11N.04E.22.312 L	03-16-95	1.4	--	<0.02	--	<1	--	--	20	--
11N.04E.21.411 G	03-15-95	3.9	--	<0.02	--	<1	--	--	20	--
11N.04E.22.244 W	03-24-95	1.9	--	<0.02	--	<1	--	--	20	--
11N.05E.23.222B MA	03-24-95	4.5	--	<0.02	--	<1	--	--	20	--
11N.06E.19.122 LIE	03-23-95	6.0	--	<0.02	--	2	--	--	50	--
11N.04E.24.124P E	03-16-95	2.1	--	<0.02	--	<1	--	--	20	--
11N.04E.17.434 N	03-15-95	1.8	--	<0.02	--	2	--	--	220	--
11N.03E.13.332 T	03-13-95	2.5	--	--	--	1	150	--	40	<1.0
11N.03E.15.344B	08-07-95	--	1.6	--	--	--	--	--	--	--
	08-07-95	--	--	--	<1	2	230	<1	--	<1.0
11N.03E.15.344C	08-07-95	--	0.30	--	--	--	--	--	--	--
	08-07-95	--	--	--	<1	5	68	<1	--	<1.0
11N.04E.15.244 L	03-22-95	12	--	<0.02	--	<1	--	--	20	--
11N.03E.13.231 S	03-14-95	3.1	--	<0.02	--	4	--	--	50	--
11N.04E.18.124 S	03-15-95	1.7	--	<0.02	--	18	--	--	90	--
11N.03E.16.111	05-04-95	--	0.20	--	--	--	--	--	--	--
	05-04-95	--	--	--	<1	4	63	<1	--	<1.0

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)
11N.06E.19.342 HEN	06-14-95	--	--	--	<3	--	2	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	<3	--	<1	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	5	--	<1	--	--	--
	08-01-95	--	--	--	5	--	<1	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	<3	--	2	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	7	--	2	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	<3	--	<1	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	8	--	1	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	7	--	3	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	12	--	1	--	--	--
11N.05E.23.222B MA	03-24-95	--	--	--	<3	--	<1	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	<3	--	<1	--	--	--
11N.04E.24.124P E	03-16-95	--	--	--	<3	--	<1	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	6	--	<1	--	--	--
11N.03E.13.332 T	03-13-95	<1	--	1	4	<1	200	--	--	<1
11N.03E.15.344B	08-07-95	--	--	--	<3	--	1700	--	--	--
	08-07-95	<1	<1	1	--	<1	1700	2	3	3
11N.03E.15.344C	08-07-95	--	--	--	4	--	90	--	--	--
	08-07-95	<1	<1	<1	--	<1	80	3	1	<1
11N.04E.15.244 L	03-22-95	--	--	--	13	--	<1	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	23	--	94	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	340	--	12	--	--	--
11N.03E.16.111	05-04-95	--	--	--	<3	--	2	--	--	--
	05-04-95	1	<1	<1	--	<1	2	3	<1	<1

LOCAL IDENT- IFIER	DATE	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ Y-90) (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--	--
11N.05E.23.222B MA	03-24-95	--	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--	--
11N.04E.24.124P E	03-16-95	--	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	<1.0	--	--	--	--	--	--	--	--
11N.03E.15.344B	08-07-95	--	9.4	2.4	6.7	1.7	<4.0	1.6	<4.0	1.2
	08-07-95	<1.0	--	--	--	--	--	--	--	--
11N.03E.15.344C	08-07-95	--	<3.0	0.69	<3.0	0.65	9.0	3.0	6.4	1.8
	08-07-95	<1.0	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	--	<3.0	0.94	<3.0	0.88	11	3.4	7.0	1.9
	05-04-95	<1.0	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
 BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (75985)	C-13 / C-12 STABLE ISOTOPE RATIO PER MIL (82081)	E-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222B MA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124P E	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344B	08-07-95	320	21	--	46	3.2	-12.80	-93.1	-12.12
	08-07-95	--	--	8.0	--	--	--	--	--
11N.03E.15.344C	08-07-95	230	20	--	0.7	0.60	-8.50	-98.9	-13.46
	08-07-95	--	--	1.0	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	190	18	--	--	--	--	--	--
	05-04-95	--	--	2.0	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
08N.07E.29.324A DOW	03-31-95	1200	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJAN	06-02-95	1000	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	1030	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-23-95	1035	--	--	--	--	--	--	--	--
09N.06E.29.244 MOSIER	03-28-95	1330	--	--	--	--	--	--	--	--
09N.06E.30.121 PLUNKETT	06-02-95	1155	--	--	--	--	--	--	--	--
09N.06E.20.333 BUSTER	06-08-95	1300	--	--	--	--	--	--	--	--
09N.06E.19.413 CLAYTON	03-28-95	0920	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK FLAT	06-12-95	1400	--	--	--	--	--	--	--	--
09N.05E.12.241 STANTON	03-29-95	0900	--	--	--	--	--	--	--	--
10N.06E.26.132 BUSH	03-31-95	1415	--	--	--	--	--	--	--	--
10N.05E.30.213 MCIVER	03-28-95	1115	--	--	--	--	--	--	--	--
10N.05E.19.322 LEIB	03-17-95	1400	--	--	--	--	--	--	--	--
10N.05E.23.313 SANDIA RANG	06-01-95	1300	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJERAS PO	03-14-95	0945	--	--	--	--	--	--	--	--
10N.05E.14.413A SPINN	04-24-95	1145	--	--	--	--	--	--	--	--
10N.06E.13.321 TOLMAN	04-25-95	1030	--	--	--	--	--	--	--	--
10N.05E.14.312 AESCHLIMEN	04-12-95	1150	--	--	--	--	--	--	--	--
10N.06E.16.123 JARAMILLO	06-07-95	1040	--	--	--	--	--	--	--	--
10N.06E.10.334 MONTANO	07-25-95	1150	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN ANTONIO	06-09-95	0945	--	--	--	--	--	--	--	--
10N.06E.07.331 FOSTER	03-22-95	1230	--	--	--	--	--	--	--	--
10N.06E.07.441 WOOLF	05-30-95	1345	--	--	--	--	--	--	--	--
10N.06E.07.324 TRUJILLO	06-01-95	1015	--	--	--	--	--	--	--	--
10N.05E.11.341 SANCHEZ	06-06-95	1315	--	--	--	--	--	--	--	--
10N.05E.10.423 SANCHEZ(CHR	06-08-95	1440	--	--	--	--	--	--	--	--
10N.05E.11.324 CUSHING	04-05-95	1230	--	--	--	--	--	--	--	--
10N.05E.10.421 SANCHEZ(CHR	06-08-95	1425	--	--	--	--	--	--	--	--
10N.06E.08.322 SHOLTIS	04-25-95	1230	--	--	--	--	--	--	--	--
	08-01-95	1330	--	--	--	--	--	--	--	--
10N.05E.12.311 CORNELL	06-02-95	1300	--	--	--	--	--	--	--	--
10N.06E.05.441 MCCRAKEN	04-24-95	1300	--	--	--	--	--	--	--	--
10N.06E.04.442 WHITE	06-14-95	1320	--	--	--	--	--	--	--	--
10N.06E.06.323 DIKE	06-12-95	1210	--	--	--	--	--	--	--	--
10N.05E.01.134 DUBBERT	06-14-95	0940	--	--	--	--	--	--	--	--
10N.05E.02.233A SOUTHWICK	04-13-95	1145	--	--	--	--	--	--	--	--
10N.05E.02.122 BAUDER	06-06-95	1010	--	--	--	--	--	--	--	--
11N.06E.31.444 KRAMER	04-25-95	1400	--	--	--	--	--	--	--	--
11N.06E.33.341 BEMILLARD	05-31-95	1430	--	--	--	--	--	--	--	--
11N.05E.36.314 MOUNTAINVIE	06-06-95	1200	--	--	--	--	--	--	--	--
11N.05E.35.422 PETZER	06-07-95	1400	--	--	--	--	--	--	--	--
11N.05E.36.133 REYNOLDS	06-07-95	1245	--	--	--	--	--	--	--	--
11N.05E.36.223 BULLINGTON	07-27-95	1200	--	--	--	--	--	--	--	--
11N.06E.29.344 RIDER	06-08-95	1030	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	1000	--	--	--	--	--	--	--	--
	08-09-95	1005	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	1100	--	--	--	--	--	--	--	--
	08-03-95	1105	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	1540	--	--	--	--	--	--	--	--
	08-03-95	1545	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAND GRANT,	08-08-95	0940	--	--	--	--	--	--	--	--
	08-08-95	0945	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAND GRNT	08-08-95	1320	--	--	--	--	--	--	--	--
	08-08-95	1325	--	--	--	--	--	--	--	--
11N.06E.27.342 VEENHUIS	04-26-95	0930	--	--	--	--	--	--	--	--
	07-27-95	0930	--	--	--	--	--	--	--	--
11N.06E.28.412 YELTON	05-31-95	1300	--	--	--	--	--	--	--	--
11N.05E.25.422 DOUTHETT	04-28-95	1230	--	--	--	--	--	--	--	--
11N.05E.25.143 SMITH	07-26-95	0950	--	--	--	--	--	--	--	--
11N.06E.29.232 KITCHELL NO	04-26-95	1112	--	--	--	--	--	--	--	--

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
	04-23-95	--	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--	--
10N.05E.02.122 BAI	06-06-95	--	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--	--

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible]

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

	LOCAL IDENT- I- FIER	DATE	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,2- TRANS DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)
08N.07E.29.324A DO		03-31-95	--	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ		06-02-95	--	--	--	--	--	--	--	--	--
09N.02E.36.222		04-23-95	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.20	<0.20
		04-23-95	--	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS		03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU		06-02-95	--	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS		06-08-95	--	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA		03-28-95	--	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK		06-12-95	--	--	--	--	--	--	--	--	--
09N.05E.12.241 STA		03-29-95	--	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS		03-31-95	--	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI		03-28-95	--	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI		03-17-95	--	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN		06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ		03-14-95	--	--	--	--	--	--	--	--	--
10N.05E.14.413A SP		04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL		04-25-95	--	--	--	--	--	--	--	--	--
10N.05E.14.312 AES		04-12-95	--	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR		06-07-95	--	--	--	--	--	--	--	--	--
10N.06E.10.334 MON		07-25-95	--	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN		06-09-95	--	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS		03-22-95	--	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO		05-30-95	--	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU		06-01-95	--	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN		06-06-95	--	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN		06-08-95	--	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS		04-05-95	--	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN		06-08-95	--	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO		04-25-95	--	--	--	--	--	--	--	--	--
		08-01-95	--	--	--	--	--	--	--	--	--
10N.05E.12.311 COR		06-02-95	--	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC		04-24-95	--	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI		06-14-95	--	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK		06-12-95	--	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB		06-14-95	--	--	--	--	--	--	--	--	--
10N.05E.02.233A SO		04-13-95	--	--	--	--	--	--	--	--	--
10N.05E.02.122 BAW		06-06-95	--	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA		04-25-95	--	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM		05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU		06-06-95	--	--	--	--	--	--	--	--	--
11N.05E.35.422 PET		06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.133 REY		06-07-95	--	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL		07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.29.344 RND		06-08-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311A		08-09-95	--	--	--	--	--	--	--	--	--
		08-09-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311B		08-03-95	--	--	--	--	--	--	--	--	--
		08-03-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311C		08-03-95	--	--	--	--	--	--	--	--	--
		08-03-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN		08-08-95	--	--	--	--	--	--	--	--	--
		08-08-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN		08-08-95	--	--	--	--	--	--	--	--	--
		08-08-95	--	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE		04-26-95	--	--	--	--	--	--	--	--	--
		07-27-95	--	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL		05-31-95	--	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU		04-28-95	--	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI		07-26-95	--	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT		04-26-95	--	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	P,P' DDE DISSOLV (UG/L) (34653)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	NAPHTH- ALENE TOTAL (UG/L) (34696)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR- PYRIPOS DIS- SOLVED (UG/L) (38933)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	0.04	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	0.04	--	--
09N.02E.36.222	04-23-95	<0.20	<0.006	<0.2	<0.2	<0.2	<0.2	--	<0.004	<0.2
	04-23-95	--	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	0.02	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	0.03	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	<0.02	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	<0.02	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	<0.02	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	0.03	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	0.04	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	0.02	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	0.05	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	0.03	--	--
10N.06E.07.331 POS	03-22-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	0.04	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	0.02	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	<0.02	--	--
	08-01-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	0.04	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	<0.02	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	0.04	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	<0.02	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	0.07	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	0.02	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	0.03	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	0.02	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	<0.02	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	<0.02	--	--
	07-27-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	0.04	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	<0.02	--	--

QUALITY OF GROUND WATER
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
 BERNALILLO COUNTY -- Continued
 ORGANIC COMPOUND DATA

LOCAL IDENT- IFIER	DATE	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.2	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-02-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	STYRENE TOTAL (UG/L) (77128)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.2	<0.002	<0.002	<0.2	<0.2	<0.2	<0.2	<0.2
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAW	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE P-CHLOR WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.20	<0.20
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 FLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

		ORGANIC COMPOUND DATA							
LOCAL IDENT- I- FIER	DATE	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.2	<0.2
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 FLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAV	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	DIBROMO- CHLORO- PROPANE WATER TOT REC (UG/L) (82625)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.2	<0.20	<0.2	<1.0	<0.004	<0.003	<0.002	<0.004
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
 BERNALILLO COUNTY -- Continued
 ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SP	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REV	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued
ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
08N.07E.29.324A DO	03-31-95	--	--	--	--	--	--	--	--
09N.06E.34.242 LUJ	06-02-95	--	--	--	--	--	--	--	--
09N.02E.36.222	04-23-95	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
	04-23-95	--	--	--	--	--	--	--	--
09N.06E.29.244 MOS	03-28-95	--	--	--	--	--	--	--	--
09N.06E.30.121 PLU	06-02-95	--	--	--	--	--	--	--	--
09N.06E.20.333 BUS	06-08-95	--	--	--	--	--	--	--	--
09N.06E.19.413 CLA	03-28-95	--	--	--	--	--	--	--	--
09N.06E.17.411 OAK	06-12-95	--	--	--	--	--	--	--	--
09N.05E.12.241 STA	03-29-95	--	--	--	--	--	--	--	--
10N.06E.26.132 BUS	03-31-95	--	--	--	--	--	--	--	--
10N.05E.30.213 MCI	03-28-95	--	--	--	--	--	--	--	--
10N.05E.19.322 LEI	03-17-95	--	--	--	--	--	--	--	--
10N.05E.23.313 SAN	06-01-95	--	--	--	--	--	--	--	--
10N.05E.22.234 TIJ	03-14-95	--	--	--	--	--	--	--	--
10N.05E.14.413A SF	04-24-95	--	--	--	--	--	--	--	--
10N.06E.13.321 TOL	04-25-95	--	--	--	--	--	--	--	--
10N.05E.14.312 AES	04-12-95	--	--	--	--	--	--	--	--
10N.06E.16.123 JAR	06-07-95	--	--	--	--	--	--	--	--
10N.06E.10.334 MON	07-25-95	--	--	--	--	--	--	--	--
10N.05E.11.334 SAN	06-09-95	--	--	--	--	--	--	--	--
10N.06E.07.331 FOS	03-22-95	--	--	--	--	--	--	--	--
10N.06E.07.441 WOO	05-30-95	--	--	--	--	--	--	--	--
10N.06E.07.324 TRU	06-01-95	--	--	--	--	--	--	--	--
10N.05E.11.341 SAN	06-06-95	--	--	--	--	--	--	--	--
10N.05E.10.423 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.05E.11.324 CUS	04-05-95	--	--	--	--	--	--	--	--
10N.05E.10.421 SAN	06-08-95	--	--	--	--	--	--	--	--
10N.06E.08.322 SHO	04-25-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
10N.05E.12.311 COR	06-02-95	--	--	--	--	--	--	--	--
10N.06E.05.441 MCC	04-24-95	--	--	--	--	--	--	--	--
10N.06E.04.442 WHI	06-14-95	--	--	--	--	--	--	--	--
10N.06E.06.323 DIK	06-12-95	--	--	--	--	--	--	--	--
10N.05E.01.134 DUB	06-14-95	--	--	--	--	--	--	--	--
10N.05E.02.233A SO	04-13-95	--	--	--	--	--	--	--	--
10N.05E.02.122 BAU	06-06-95	--	--	--	--	--	--	--	--
11N.06E.31.444 KRA	04-25-95	--	--	--	--	--	--	--	--
11N.06E.33.341 BEM	05-31-95	--	--	--	--	--	--	--	--
11N.05E.36.314 MOU	06-06-95	--	--	--	--	--	--	--	--
11N.05E.35.422 PET	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.133 REY	06-07-95	--	--	--	--	--	--	--	--
11N.05E.36.223 BUL	07-27-95	--	--	--	--	--	--	--	--
11N.06E.29.344 RID	06-08-95	--	--	--	--	--	--	--	--
11N.03E.31.21311A	08-09-95	--	--	--	--	--	--	--	--
	08-09-95	--	--	--	--	--	--	--	--
11N.03E.31.21311B	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
11N.03E.31.21311C	08-03-95	--	--	--	--	--	--	--	--
	08-03-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
ELENA GALLEGOS LAN	08-08-95	--	--	--	--	--	--	--	--
	08-08-95	--	--	--	--	--	--	--	--
11N.06E.27.342 VEE	04-26-95	--	--	--	--	--	--	--	--
	07-27-95	--	--	--	--	--	--	--	--
11N.06E.28.412 YEL	05-31-95	--	--	--	--	--	--	--	--
11N.05E.25.422 DOU	04-28-95	--	--	--	--	--	--	--	--
11N.05E.25.143 SMI	07-26-95	--	--	--	--	--	--	--	--
11N.06E.29.232 KIT	04-26-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- IFIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
11N.06E.19.342	HENTON	06-14-95	1110	--	--	--	--	--	--	--
11N.05E.24.443	WESTBROOK	03-23-95	1200	--	--	--	--	--	--	--
11N.06E.19.441	COX	04-26-95	1230	--	--	--	--	--	--	--
		08-01-95	1100	--	--	--	--	--	--	--
11N.06E.20.321	SPACER	05-31-95	1040	--	--	--	--	--	--	--
11N.06E.21.133	PAVEL	04-14-95	1100	--	--	--	--	--	--	--
11N.05E.24.412	ANISON	04-12-95	1000	--	--	--	--	--	--	--
11N.04E.22.312	LACY	03-16-95	1700	--	--	--	--	--	--	--
11N.04E.21.411	GRACE LUT	03-15-95	1030	--	--	--	--	--	--	--
11N.04E.22.244	WARNER	03-24-95	1415	--	--	--	--	--	--	--
11N.05E.23.222B	MATHEWS	03-24-95	1100	--	--	--	--	--	--	--
11N.06E.19.122	LIEBLING	03-23-95	0930	--	--	--	--	--	--	--
11N.04E.24.124P	ELLENA GA	03-16-95	1015	--	--	--	--	--	--	--
11N.04E.17.434	NAZARENE	03-15-95	1135	--	--	--	--	--	--	--
11N.03E.13.332	TUFF SHED	03-13-95	1330	--	--	--	--	--	--	--
11N.03E.15.344B		08-07-95	1430	--	--	--	--	--	--	--
		08-07-95	1435	--	--	--	--	--	--	--
11N.03E.15.344C		08-07-95	1050	--	--	--	--	--	--	--
		08-07-95	1055	--	--	--	--	--	--	--
11N.04E.15.244	LEYBA	03-22-95	0850	--	--	--	--	--	--	--
11N.03E.13.231	SCHUMACKE	03-14-95	1215	--	--	--	--	--	--	--
11N.04E.18.124	SPANISH A	03-15-95	1250	--	--	--	--	--	--	--
11N.03E.16.111		05-04-95	1040	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003
		05-04-95	1045	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	DATE	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
11N.06E.19.342	HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443	WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441	COX	04-26-95	--	--	--	--	--	--	--	--
		08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321	SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133	PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412	ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312	L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411	G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244	W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222B	MA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122	LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124P	E	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434	N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332	T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344B		08-07-95	--	--	--	--	--	--	--	--
		08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344C		08-07-95	--	--	--	--	--	--	--	--
		08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244	L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231	S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124	S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111		05-04-95	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.002
		05-04-95	--	--	--	--	--	--	--	--

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible]

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	P,P' DDE DISSOLV (UG/L) (34653)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	NAPHTH- ALENE TOTAL (UG/L) (34696)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	CIS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)
11N.06E.19.342	HEN 06-14-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.24.443	WES 03-23-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.19.441	COX 04-26-95	--	--	--	--	--	--	<0.02	--	--
	08-01-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.20.321	SPA 05-31-95	--	--	--	--	--	--	0.02	--	--
11N.06E.21.133	PAV 04-14-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.24.412	ANI 04-12-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.22.312	L 03-16-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.21.411	G 03-15-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.22.244	W 03-24-95	--	--	--	--	--	--	<0.02	--	--
11N.05E.23.222	BMA 03-24-95	--	--	--	--	--	--	<0.02	--	--
11N.06E.19.122	LIE 03-23-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.24.124	PE 03-16-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.17.434	N 03-15-95	--	--	--	--	--	--	<0.02	--	--
11N.03E.13.332	T 03-13-95	--	--	--	--	--	--	--	--	--
11N.03E.15.344	B 08-07-95	--	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--	--
11N.03E.15.344	C 08-07-95	--	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--	--
11N.04E.15.244	L 03-22-95	--	--	--	--	--	--	<0.02	--	--
11N.03E.13.231	S 03-14-95	--	--	--	--	--	--	<0.02	--	--
11N.04E.18.124	S 03-15-95	--	--	--	--	--	--	<0.02	--	--
11N.03E.16.111	05-04-95	<0.20	<0.006	<0.2	<0.2	<0.2	<0.2	--	<0.004	<0.2
	05-04-95	--	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
11N.06E.19.342	HEN 06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443	WES 03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441	COX 04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321	SPA 05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133	PAV 04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412	ANI 04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312	L 03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411	G 03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244	W 03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222	BMA 03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122	LIE 03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124	PE 03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434	N 03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332	T 03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344	B 08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344	C 08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244	L 03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231	S 03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124	S 03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.2	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001
	05-04-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued
ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	STYRENE TOTAL (UG/L) (77128)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.2	<0.002	<0.002	<0.2	<0.2	<0.2	<0.2	<0.2
	05-04-95	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE	BENZENE 124-TRI METHYL UNFLTR RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE P-CHLOR WATER UNFLTRD TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.20	<0.20	<0.20	<0.20	<0.2	<0.20	<0.20	<0.20
	05-04-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued
ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.20	<0.20	<0.20	<0.2	<0.2	<0.20	<0.2	<0.2
	05-04-95	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.2	<0.20	<0.2	<1.0	<0.004	<0.003	<0.002	<0.004
	05-04-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued

ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222B MA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010	<0.004
	05-04-95	--	--	--	--	--	--	--	--
LOCAL IDENT- I- FIER	DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004
	05-04-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
BERNALILLO COUNTY -- Continued
ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
11N.06E.19.342 HEN	06-14-95	--	--	--	--	--	--	--	--
11N.05E.24.443 WES	03-23-95	--	--	--	--	--	--	--	--
11N.06E.19.441 COX	04-26-95	--	--	--	--	--	--	--	--
	08-01-95	--	--	--	--	--	--	--	--
11N.06E.20.321 SPA	05-31-95	--	--	--	--	--	--	--	--
11N.06E.21.133 PAV	04-14-95	--	--	--	--	--	--	--	--
11N.05E.24.412 ANI	04-12-95	--	--	--	--	--	--	--	--
11N.04E.22.312 L	03-16-95	--	--	--	--	--	--	--	--
11N.04E.21.411 G	03-15-95	--	--	--	--	--	--	--	--
11N.04E.22.244 W	03-24-95	--	--	--	--	--	--	--	--
11N.05E.23.222 BMA	03-24-95	--	--	--	--	--	--	--	--
11N.06E.19.122 LIE	03-23-95	--	--	--	--	--	--	--	--
11N.04E.24.124 PE	03-16-95	--	--	--	--	--	--	--	--
11N.04E.17.434 N	03-15-95	--	--	--	--	--	--	--	--
11N.03E.13.332 T	03-13-95	--	--	--	--	--	--	--	--
11N.03E.15.344 B	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.03E.15.344 C	08-07-95	--	--	--	--	--	--	--	--
	08-07-95	--	--	--	--	--	--	--	--
11N.04E.15.244 L	03-22-95	--	--	--	--	--	--	--	--
11N.03E.13.231 S	03-14-95	--	--	--	--	--	--	--	--
11N.04E.18.124 S	03-15-95	--	--	--	--	--	--	--	--
11N.03E.16.111	05-04-95	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
	05-04-95	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DONA ANA COUNTY

LOCAL IDENT- I- FIER	STATION	NUMBER	COUNTY	SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
27S.03E.04.344	315852106382401	013	GW	03-19-95	1530	112SNTF	--	320.00	320	
		013	GW	03-19-95	1535	112SNTF	--	320.00	320	
26S.02E.02.223	320445106421001	013	GW	03-21-95	0900	112SNTF	21.40	147.00	147	
		013	GW	03-21-95	0905	112SNTF	21.40	147.00	147	
25S.03E.17.433	320738106392401	013	GW	03-14-95	1010	112SNTF	--	60.00	60	
		013	GW	03-14-95	1015	112SNTF	--	60.00	60	
25S.02E.04.421	320939106441701	013	GW	03-15-95	1000	112SNTF	12.60	232.00	232	
		013	GW	03-15-95	1005	112SNTF	12.60	232.00	232	
24S.02E.04.322	321501106443801	013	GW	03-16-95	1400	112SNTF	--	312.00	312	
		013	GW	03-16-95	1405	112SNTF	--	312.00	312	
23S.01E.21.224	321753106501601	013	GW	03-15-95	1420	112SNTF	11.62	295.00	295	
		013	GW	03-15-95	1425	112SNTF	11.62	295.00	295	
22S.01E.36.314	322054106475201	013	GW	03-16-95	0940	112SNTF	--	191.00	191	
		013	GW	03-16-95	0945	112SNTF	--	191.00	191	
22S.04E.13.432 SW-16	322325106290401	013	GW	08-29-95	1315	110BLSN	--	890.00	--	
22S.04E.13.311 SW-13	322331106293801	013	GW	08-29-95	1000	110BLSN	--	534.00	--	
22S.04E.12.434 SW-18	322405106290101	013	GW	08-30-95	0915	110BLSN	--	800.00	--	
20S.02W.02.114	323611107011501	013	GW	03-20-95	1100	112SNTF	--	50.00	50	
		013	GW	03-20-95	1105	112SNTF	--	50.00	50	
19S.03W.11.323	324007107072101	013	GW	04-18-95	1220	112SNTF	2.55	65.00	64	
		013	GW	04-18-95	1225	112SNTF	2.55	65.00	64	

LOCAL IDENT- I- PIER	DATE	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
27S.03E.04.344	03-19-95	300	3788	6.7	460	8.5	24.5	22.0	660
	03-19-95	300	3788	6.7	460	8.5	24.5	22.0	660
26S.02E.02.223	03-21-95	107	3820	30	1070	7.7	23.0	17.0	660
	03-21-95	107	3820	30	1070	7.7	23.0	17.0	660
25S.03E.17.433	03-14-95	50	3823	9.4	2070	7.6	19.0	20.5	666
	03-14-95	50	3823	9.4	2070	7.6	19.0	20.5	666
25S.02E.04.421	03-15-95	223	3844	6.5	1310	7.7	18.5	18.5	665
	03-15-95	223	3844	6.5	1310	7.7	18.5	18.5	665
24S.02E.04.322	03-16-95	303	3866	7.9	690	7.8	23.0	18.0	663
	03-16-95	303	3866	7.9	690	7.8	23.0	18.0	663
23S.01E.21.224	03-15-95	275	3890	6.0	640	8.1	21.0	18.5	663
	03-15-95	275	3890	6.0	640	8.1	21.0	18.5	663
22S.01E.36.314	03-16-95	181	3910	5.7	1920	7.4	21.0	18.5	664
	03-16-95	181	3910	5.7	1920	7.4	21.0	18.5	664
22S.04E.13.432 SW-	08-29-95	--	4270	--	650	7.1	37.5	25.5	--
22S.04E.13.311 SW-	08-29-95	--	4330	--	690	7.1	31.5	23.0	--
22S.04E.12.434 SW-	08-30-95	--	4264	--	410	7.4	30.0	28.0	--
20S.02W.02.114	03-20-95	10	4007	6.0	4110	7.3	27.0	19.0	657
	03-20-95	10	4007	6.0	4110	7.3	27.0	19.0	657
19S.03W.11.323	04-18-95	54	4050	7.1	1270	7.9	24.0	17.5	653
	04-18-95	54	4050	7.1	1270	7.9	24.0	17.5	653

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DONA ANA COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
27S.03E.04.344	03-19-95	0.1	57	0	20	1.6	68	4	1.4
	03-19-95	0.1	--	--	--	--	--	--	--
26S.02E.02.223	03-21-95	0.6	400	250	120	25	62	1	4.3
	03-21-95	0.6	--	--	--	--	--	--	--
25S.03E.17.433	03-14-95	0.1	150	0	45	9.3	390	14	30
	03-14-95	0.1	--	--	--	--	--	--	--
25S.02E.04.421	03-15-95	0.1	540	330	170	28	65	1	4.7
	03-15-95	0.1	--	--	--	--	--	--	--
24S.02E.04.322	03-16-95	0.1	230	50	68	14	45	1	9.1
	03-16-95	0.1	--	--	--	--	--	--	--
23S.01E.21.224	03-15-95	0.05	210	71	68	9.6	45	1	2.9
	03-15-95	0.05	--	--	--	--	--	--	--
22S.01E.36.314	03-16-95	0.1	870	610	260	54	78	1	21
	03-16-95	0.1	--	--	--	--	--	--	--
22S.04E.13.432 SW-	08-29-95	--	250	140	71	17	30	0.8	2.5
22S.04E.13.311 SW-	08-29-95	--	260	71	74	18	41	1	2.8
22S.04E.12.434 SW-	08-30-95	--	110	0	33	5.6	40	2	1.8
20S.02W.02.114	03-20-95	0.2	1400	1200	450	74	430	5	4.1
	03-20-95	0.2	--	--	--	--	--	--	--
19S.03W.11.323	04-18-95	0.1	390	160	130	17	120	3	6.7
	04-18-95	0.1	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	DATE	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT.WE. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
27S.03E.04.344	03-19-95	72	6	69	69	71	69	49	0.40
	03-19-95	72	6	69	69	--	--	--	--
26S.02E.02.223	03-21-95	189	0	150	155	157	200	130	0.30
	03-21-95	189	0	150	155	--	--	--	--
25S.03E.17.433	03-14-95	405	0	330	332	329	390	220	4.6
	03-14-95	405	0	330	332	--	--	--	--
25S.02E.04.421	03-15-95	254	0	210	208	207	290	140	0.20
	03-15-95	254	0	210	208	--	--	--	--
24S.02E.04.322	03-16-95	216	0	170	177	175	77	59	0.30
	03-16-95	216	0	170	177	--	--	--	--
23S.01E.21.224	03-15-95	169	0	140	139	136	87	59	0.30
	03-15-95	169	0	140	139	--	--	--	--
22S.01E.36.314	03-16-95	314	0	260	257	196	560	180	0.20
	03-16-95	314	0	260	257	--	--	--	--
22S.04E.13.432 SW-	08-29-95	127	0	--	104	105	120	44	0.30
22S.04E.13.311 SW-	08-29-95	229	0	--	188	188	110	24	0.50
22S.04E.12.434 SW-	08-30-95	129	0	--	106	107	62	14	0.40
20S.02W.02.114	03-20-95	230	0	190	189	190	1500	430	1.8
	03-20-95	230	0	190	189	--	--	--	--
19S.03W.11.323	04-18-95	290	0	240	238	241	300	96	0.30
	04-18-95	290	0	240	238	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DONA ANA COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
27S.03E.04.344	03-19-95	0.060	29	277	280	<0.010	<0.050	0.020	--
	03-19-95	--	--	--	--	--	--	--	--
26S.02E.02.223	03-21-95	0.21	28	682	663	<0.010	<0.050	0.110	--
	03-21-95	--	--	--	--	--	--	--	--
25S.03E.17.433	03-14-95	0.49	44	1350	1330	<0.010	0.070	0.020	--
	03-14-95	--	--	--	--	--	--	--	--
25S.02E.04.421	03-15-95	0.24	25	880	848	<0.010	<0.050	0.130	--
	03-15-95	--	--	--	--	--	--	--	--
24S.02E.04.322	03-16-95	0.080	26	419	405	<0.010	<0.050	0.020	--
	03-16-95	--	--	--	--	--	--	--	--
23S.01E.21.224	03-15-95	0.090	23	391	378	<0.010	<0.050	0.250	--
	03-15-95	--	--	--	--	--	--	--	--
22S.01E.36.314	03-16-95	0.40	31	1430	1340	<0.010	<0.050	0.030	--
	03-16-95	--	--	--	--	--	--	--	--
22S.04E.13.432 SW	08-29-95	--	41	424	426	<0.010	8.60	0.020	<0.20
22S.04E.13.311 SW	08-29-95	--	39	464	449	<0.010	6.00	0.060	<0.20
22S.04E.12.434 SW	08-30-95	--	34	264	261	<0.010	1.60	0.030	<0.20
20S.02W.02.114	03-20-95	0.62	58	3380	3070	<0.010	1.90	0.030	--
	03-20-95	--	--	--	--	--	--	--	--
19S.03W.11.323	04-18-95	0.21	27	864	841	<0.010	<0.050	0.220	--
	04-18-95	--	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
27S.03E.04.344	03-19-95	<0.20	--	<0.010	<0.010	0.60	--	--	--
	03-19-95	--	--	--	--	--	<1	9	23
26S.02E.02.223	03-21-95	<0.20	--	<0.010	0.010	1.6	--	--	--
	03-21-95	--	--	--	--	--	<1	3	130
25S.03E.17.433	03-14-95	<0.20	--	0.040	0.040	2.2	--	--	--
	03-14-95	--	--	--	--	--	<1	3	12
25S.02E.04.421	03-15-95	<0.20	--	0.020	0.020	0.90	--	--	--
	03-15-95	--	--	--	--	--	<1	5	210
24S.02E.04.322	03-16-95	<0.20	--	<0.010	0.020	1.4	--	--	--
	03-16-95	--	--	--	--	--	<1	3	57
23S.01E.21.224	03-15-95	0.30	--	<0.010	0.020	1.7	--	--	--
	03-15-95	--	--	--	--	--	<1	3	93
22S.01E.36.314	03-16-95	<0.20	--	<0.010	<0.010	2.6	--	--	--
	03-16-95	--	--	--	--	--	<1	2	71
22S.04E.13.432 SW	08-29-95	<0.20	0.030	0.020	0.020	--	--	--	--
22S.04E.13.311 SW	08-29-95	<0.20	0.030	0.040	0.040	--	--	--	--
22S.04E.12.434 SW	08-30-95	<0.20	<0.010	0.010	<0.010	--	--	--	--
20S.02W.02.114	03-20-95	<0.20	--	0.010	0.010	1.7	--	--	--
	03-20-95	--	--	--	--	--	<2	4	17
19S.03W.11.323	04-18-95	0.30	--	0.020	0.040	2.3	--	--	--
	04-18-95	--	--	--	--	--	<1	2	61

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DONA ANA COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
27S.03E.04.344	03-19-95	--	--	--	--	--	--	11	--
26S.02E.02.223	03-19-95	<1	--	<1	<1	<1	<1	40	<1
	03-21-95	<1	--	<1	<1	<1	1	--	<1
25S.03E.17.433	03-14-95	--	--	--	--	--	--	19	--
	03-14-95	<1	--	<1	1	<1	2	--	<1
25S.02E.04.421	03-15-95	--	--	--	--	--	--	<3	--
	03-15-95	<1	--	<1	<1	<1	1	--	<1
24S.02E.04.322	03-16-95	--	--	--	--	--	--	200	--
	03-16-95	<1	--	<1	<1	<1	<1	--	<1
23S.01E.21.224	03-15-95	--	--	--	--	--	--	<3	--
	03-15-95	<1	--	<1	<1	<1	<1	--	<1
22S.01E.36.314	03-16-95	--	--	--	--	--	--	<3	--
	03-16-95	<1	--	<1	<1	1	2	--	<1
22S.04E.13.432 SW-	08-29-95	--	<10	--	--	--	--	20	--
22S.04E.13.311 SW-	08-29-95	--	10	--	--	--	--	5	--
22S.04E.12.434 SW-	08-30-95	--	20	--	--	--	--	5	--
20S.02W.02.114	03-20-95	--	--	--	--	--	--	180	--
	03-20-95	<2	--	<2	<2	<2	6	--	<2
19S.03W.11.323	04-18-95	--	--	--	--	--	--	360	--
	04-18-95	<1	--	<1	1	<1	1	--	<1

LOCAL IDENT- IFIER	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA RADIO, WATER DISS AS TH-230 (PCI/L) (04126)
27S.03E.04.344	03-19-95	10	--	--	--	--	<3.0	0.43	<3.0
	03-19-95	8	5	<1	<1	<1	--	--	--
26S.02E.02.223	03-21-95	370	--	--	--	--	7.6	1.7	7.2
	03-21-95	360	3	5	<1	<1	--	--	--
25S.03E.17.433	03-14-95	73	--	--	--	--	4.3	1.2	4.1
	03-14-95	69	59	2	<1	<1	--	--	--
25S.02E.04.421	03-15-95	69	--	--	--	--	3.2	0.96	3.1
	03-15-95	67	2	6	<1	<1	--	--	--
24S.02E.04.322	03-16-95	310	--	--	--	--	<3.0	0.49	<3.0
	03-16-95	300	3	2	<1	<1	--	--	--
23S.01E.21.224	03-15-95	60	--	--	--	--	<3.0	0.60	<3.0
	03-15-95	58	3	2	<1	<1	--	--	--
22S.01E.36.314	03-16-95	1000	--	--	--	--	48	7.4	46
	03-16-95	570	4	8	<1	<1	--	--	--
22S.04E.13.432 SW-	08-29-95	--	--	--	--	--	--	--	--
22S.04E.13.311 SW-	08-29-95	--	--	--	--	--	--	--	--
22S.04E.12.434 SW-	08-30-95	--	--	--	--	--	--	--	--
20S.02W.02.114	03-20-95	13	--	--	--	--	11	2.2	10
	03-20-95	9	26	15	1	<2	--	--	--
19S.03W.11.323	04-18-95	750	--	--	--	--	<3.0	0.63	<3.0
	04-18-95	650	7	5	<1	<1	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DONA ANA COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED AS (PCI/L) CS-137 (03515)	BETA, 2 SIGMA WATER, DISS, AS (PCI/L) CS-137 (75989)	GROSS BETA, DIS- SOLVED (PCI/L) AS SR/ Y-90 (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U (22703)
27S.03E.04.344	03-19-95	0.41	<4.0	2.8	<4.0	1.6	1200	39	--
	03-19-95	--	--	--	--	--	--	--	<1
26S.02E.02.223	03-21-95	1.5	16	7.5	9.0	4.0	1300	34	--
	03-21-95	--	--	--	--	--	--	--	7
25S.03E.17.433	03-14-95	1.2	59	18	30	7.3	320	21	--
	03-14-95	--	--	--	--	--	--	--	3
25S.02E.04.421	03-15-95	0.90	15	9.3	8.7	5.3	200	19	--
	03-15-95	--	--	--	--	--	--	--	2
24S.02E.04.322	03-16-95	0.48	15	5.9	9.6	3.5	420	21	--
	03-16-95	--	--	--	--	--	--	--	<1
23S.01E.21.224	03-15-95	0.58	10	4.9	6.6	2.9	400	22	--
	03-15-95	--	--	--	--	--	--	--	<1
22S.01E.36.314	03-16-95	6.4	120	30	56	8.7	2300	42	--
	03-16-95	--	--	--	--	--	--	--	100
22S.04E.13.432 SW	08-29-95	--	--	--	--	--	--	--	--
22S.04E.13.311 SW	08-29-95	--	--	--	--	--	--	--	--
22S.04E.12.434 SW	08-30-95	--	--	--	--	--	--	--	--
20S.02W.02.114	03-20-95	1.9	28	25	12	11	780	30	--
	03-20-95	--	--	--	--	--	--	--	17
19S.03W.11.323	04-18-95	0.59	14	7.1	7.5	3.6	550	30	--
	04-18-95	--	--	--	--	--	--	--	<1

CHEMICAL ANALYSES OF ORGANIC COMPOUNDS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

LOCAL IDENT- IFIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER, DISS, REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
27S.03E.04.344	03-19-95	1530	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-19-95	1535	--	--	--	--	--	--	--	--
26S.02E.02.223	03-21-95	0900	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-21-95	0905	--	--	--	--	--	--	--	--
25S.03E.17.433	03-14-95	1010	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-14-95	1015	--	--	--	--	--	--	--	--
25S.02E.04.421	03-15-95	1000	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-15-95	1005	--	--	--	--	--	--	--	--
24S.02E.04.322	03-16-95	1400	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-16-95	1405	--	--	--	--	--	--	--	--
23S.01E.21.224	03-15-95	1420	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-15-95	1425	--	--	--	--	--	--	--	--
22S.01E.36.314	03-16-95	0940	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-16-95	0945	--	--	--	--	--	--	--	--
22S.04E.13.432 SW-16	08-29-95	1315	--	--	--	--	--	--	--	--
22S.04E.13.311 SW-13	08-29-95	1000	--	--	--	--	--	--	--	--
22S.04E.12.434 SW-18	08-30-95	0915	--	--	--	--	--	--	--	--
20S.02W.02.114	03-20-95	1100	<0.007	<0.002	<0.005	0.038	<0.002	<0.004	<0.003	<0.2
	03-20-95	1105	--	--	--	--	--	--	--	--
19S.03W.11.323	04-18-95	1220	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	--
	04-18-95	1225	--	--	--	--	--	--	--	--

DONA ANA COUNTY -- Continued

ORGANIC COMPOUND DATA

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DONA ANA COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible]

ORGANIC COMPOUND DATA

[illegible][illegible]

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DONA ANA COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible][illegible]

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DONA ANA COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible]

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
OTERO COUNTY

LOCAL IDENT- I- FIER	STATION	NUMBER	COUNTY	SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)
18S.10E.32.143	324224105541601	035	GW	12-22-94	1350	110AVMB	1000	4198	40	
18S.10E.09.332	324515105553301	035	GW	12-28-94	1330	110AVMB	1000	4202	30	
17S.10E.31.244	324648105564501	035	GW	12-20-94	1506	110AVMB	966.00	4191	--	
17S.10E.32.122	324711105561501	035	GW	12-20-94	1300	110AVMB	995.00	4298	--	
17S.10E.31.411	324713105571201	035	GW	02-09-95	1330	110AVMB	--	--	--	

17S.10E.32.113	324716105564401	035	GW	12-21-94	1400	110AVMB	370.00	4212	--
17S.10E.19.123 BOLES 2	324849105573001	035	GW	02-08-95	1515	110AVMB	240.00	4161	--
17S.09E.24.343 B-34	324855105582901	035	GW	02-08-95	1315	110AVMB	255.00	4140	--
17S.10E.18.442 A	324924105564201	035	GW	12-21-94	1530	110AVMB	--	--	--
14S.08E.35.144 BARREL SPR	330323106093601	035	SP	09-01-95	1245	--	--	4118	--
14S.08E.35.223 GUILLEZ SPRI	330328106091401	035	SP	09-01-95	1030	--	--	4135	--

LOCAL IDENT- IFIER	DATE	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	HARD- NESS NONCAB DISSOLV FLD. AS CACO3 (MG/L) (00904)
18S.10E.32.143	12-22-94	1250	771	7.6	17.5	27.0	--	--	270	--
18S.10E.09.332	12-28-94	1700	958	7.3	15.5	25.0	--	--	410	--
17S.10E.31.244	12-20-94	900	1180	7.8	16.0	26.0	--	--	440	270
17S.10E.32.122	12-20-94	975	1090	7.5	16.5	24.5	--	--	520	360
17S.10E.31.411	02-09-95	--	997	7.4	24.5	23.0	--	--	430	--
17S.10E.32.113	12-21-94	450	1390	7.5	18.0	22.5	--	--	650	490
17S.10E.19.123 BOL	02-08-95	--	835	7.5	18.0	20.5	--	--	370	--
17S.09E.24.343 B-3	02-08-95	--	1030	7.5	16.0	19.5	--	--	460	--
17S.10E.18.442 A	12-21-94	--	--	7.5	20.5	21.0	--	--	360	180
14S.08E.35.144 BA	09-01-95	--	2370	7.3	31.5	23.5	654	4.9	1300	1100
14S.08E.35.223 GUI	09-01-95	--	2370	7.2	29.5	20.0	654	4.2	1200	1000

LOCAL IDENT- IFIER	DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT WH TOT IT FIELD MG/L AS CACO3 (00419)	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
18S.10E.32.143	12-22-94	59	30	54	1	2.7	--	--	195	--
18S.10E.09.332	12-28-94	100	38	48	1	2.2	--	--	200	--
17S.10E.31.244	12-20-94	100	47	62	1	2.5	--	--	--	175
17S.10E.32.122	12-20-94	120	54	61	1	2.5	--	--	--	164
17S.10E.31.411	02-09-95	98	44	43	0.9	1.9	--	--	167	--
17S.10E.32.113	12-21-94	150	66	55	0.9	2.2	--	--	--	159
17S.10E.19.123 BOL	02-08-95	89	37	30	0.7	1.2	--	--	180	--
17S.09E.24.343 B-3	02-08-95	110	46	46	0.9	1.9	--	--	171	--
17S.10E.18.442 A	12-21-94	88	34	29	0.7	1.4	--	--	--	180
14S.08E.35.144 BA	09-01-95	320	110	110	1	2.3	214	0	--	175
14S.08E.35.223 GUI	09-01-95	310	110	100	1	2.2	234	0	--	192

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

OTERO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
18S.10E.32.143	12-22-94	--	150	32	0.50	0.090	21	486	467
18S.10E.09.332	12-28-94	--	250	40	0.40	0.13	21	660	621
17S.10E.31.244	12-20-94	--	320	67	0.50	0.15	22	778	729
17S.10E.32.122	12-20-94	--	360	66	0.60	0.15	21	858	786
17S.10E.31.411	02-09-95	--	270	56	0.50	0.15	21	682	644
17S.10E.32.113	12-21-94	--	500	66	0.40	0.19	20	1040	968
17S.10E.19.123 BOL	02-08-95	--	210	35	0.20	0.070	20	566	533
17S.09E.24.343 B-3	02-08-95	--	280	62	0.30	0.11	23	718	676
17S.10E.18.442 A	12-21-94	--	190	32	0.30	0.070	19	540	504
14S.08E.35.144 BA	09-01-95	179	910	200	0.60	0.18	23	1940	1790
14S.08E.35.223 GUI	09-01-95	186	910	210	0.60	0.19	24	1910	1790

LOCAL IDENT- IFIER	DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00625)	NITRO- GEN, AMMONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
18S.10E.32.143	12-22-94	--	<0.010	0.160	--	--	--	--	--
18S.10E.09.332	12-28-94	--	<0.010	0.370	--	--	--	--	--
17S.10E.31.244	12-20-94	--	<0.010	0.740	--	--	--	--	--
17S.10E.32.122	12-20-94	--	<0.010	0.600	--	--	--	--	--
17S.10E.31.411	02-09-95	2.09	0.010	2.10	--	--	--	--	--
17S.10E.32.113	12-21-94	--	<0.010	2.80	--	--	--	--	--
17S.10E.19.123 BOL	02-08-95	0.510	0.010	0.520	--	--	--	--	--
17S.09E.24.343 B-3	02-08-95	0.890	0.020	0.910	--	--	--	--	--
17S.10E.18.442 A	12-21-94	--	<0.010	0.440	--	--	--	--	--
14S.08E.35.144 BA	09-01-95	1.19	0.010	1.20	0.090	0.30	<0.20	0.050	<0.010
14S.08E.35.223 GUI	09-01-95	0.960	0.040	1.00	0.030	<0.20	<0.20	0.020	<0.010

LOCAL IDENT- IFIER	DATE	PHOS- PHORUS ORTHOPHOS- PHATE DIS- SOLVED (MG/L AS P) (00671)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
18S.10E.32.143	12-22-94	--	--	--	--	--	--	--	--
18S.10E.09.332	12-28-94	--	--	--	--	--	--	--	--
17S.10E.31.244	12-20-94	--	--	--	--	--	--	--	--
17S.10E.32.122	12-20-94	--	--	--	--	--	--	--	--
17S.10E.31.411	02-09-95	--	--	--	--	--	--	--	--
17S.10E.32.113	12-21-94	--	--	--	--	--	--	--	--
17S.10E.19.123 BOL	02-08-95	--	--	--	--	--	--	--	--
17S.09E.24.343 B-3	02-08-95	--	--	--	--	--	--	--	--
17S.10E.18.442 A	12-21-94	--	--	--	--	--	--	--	--
14S.08E.35.144 BA	09-01-95	<0.010	<1	<100	70	<1.0	<1	<1	40
14S.08E.35.223 GUI	09-01-95	<0.010	<1	<100	80	<1.0	<1	<1	40

LOCAL IDENT- IFIER	DATE	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
18S.10E.32.143	12-22-94	38	--	--	37	--	--	--	--
18S.10E.09.332	12-28-94	15	--	--	3	--	--	--	--
17S.10E.31.244	12-20-94	6	--	--	2	--	--	--	--
17S.10E.32.122	12-20-94	<3	--	--	2	--	--	--	--
17S.10E.31.411	02-09-95	<3	--	--	3	--	--	--	--
17S.10E.32.113	12-21-94	11	--	--	3	--	--	--	--
17S.10E.19.123 BOL	02-08-95	6	--	--	1	--	--	--	--
17S.09E.24.343 B-3	02-08-95	<3	--	--	5	--	--	--	--
17S.10E.18.442 A	12-21-94	6	--	--	1	--	--	--	--
14S.08E.35.144 BA	09-01-95	<10	<1	20	<10	<0.1	1	<1.0	5200
14S.08E.35.223 GUI	09-01-95	<10	<1	20	<10	<0.1	1	<1.0	5200

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SANDOVAL COUNTY -- Continued

[illegible]

QUALITY OF GROUND WATER

WATER-QUALITY DATA. WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

SANDOVAL COUNTY -- Continued

ORGANIC COMPOUND DATA

[illegible][illegible][illegible][illegible][illegible]

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SIERRA COUNTY

LOCAL IDENT- I- FIER	STATION	NUMBER	COUNTY	SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)
16S.05W.25.211A	325335107182401	051	051	GW	03-13-95	1340	112SNTF	145.00	130	113
				GW	03-13-95	1345	112SNTF	145.00	130	113
LOCAL IDENT- I- FIER	DATE	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
16S.05W.25.211A	03-13-95	4200	5.2	585	7.6	19.5	21.5	655	7.8	210
	03-13-95	4200	5.2	585	7.6	19.5	21.5	655	7.8	--
LOCAL IDENT- I- FIER	DATE	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS BCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)
16S.05W.25.211A	03-13-95	51	71	7.5	43	1	1.7	192	0	160
	03-13-95	--	--	--	--	--	--	192	0	160
LOCAL IDENT- I- FIER	DATE	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)
16S.05W.25.211A	03-13-95	157	159	78	35	0.80	0.13	31	375	371
	03-13-95	157	--	--	--	--	--	--	--	--
LOCAL IDENT- I- FIER	DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
16S.05W.25.211A	03-13-95	<0.010	1.90	0.020	<0.20	0.020	<0.010	0.20	--	--
	03-13-95	--	--	--	--	--	--	--	<1	<1
LOCAL IDENT- I- FIER	DATE	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	
16S.05W.25.211A	03-13-95	--	--	--	--	--	--	<3	--	--
	03-13-95	76	<1	<1	<1	<1	<1	--	<1	--
LOCAL IDENT- I- FIER	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA RADIO. WATER DISS AS TE-230 (PCI/L) (04126)	
16S.05W.25.211A	03-13-95	<1	--	--	--	--	<3.0	0.83	<3.0	--
	03-13-95	<1	3	2	1	<1	--	--	--	--

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SIERRA COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED (PCI/L) AS CS-137 (03515)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DIS- SOLVED (PCI/L) AS SR/ Y-90 (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L) AS U (22703)	
16S.05W.25.211A	03-13-95 03-13-95	0.82 --	8.3 --	4.0 --	<4.0 --	1.5 --	500 --	26 --	-- 2	
LOCAL IDENT- I- FIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
16S.05W.25.211A	03-13-95 03-13-95	1340 1345	<0.007 --	<0.002 --	<0.005 --	<0.018 --	<0.002 --	<0.004 --	<0.003 --	<0.2 --
LOCAL IDENT- I- FIER	DATE	DI- CHLORO- BROMO- METHANE TOTAL (UG/L) (32101)	CARBON- TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	BROMO- FORM TOTAL (UG/L) (32104)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- FORM TOTAL (UG/L) (32106)	TOLUENE TOTAL (UG/L) (34010)	BENZENE TOTAL (UG/L) (34030)	ALPHA BHC DIS- SOLVED (UG/L) (34253)
16S.05W.25.211A	03-13-95 03-13-95	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.002 --
LOCAL IDENT- I- FIER	DATE	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- ETHANE TOTAL (UG/L) (34311)	ETHYL- BENZENE TOTAL (UG/L) (34371)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
16S.05W.25.211A	03-13-95 03-13-95	<0.20 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --
LOCAL IDENT- I- FIER	DATE	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,2- TRANSDI CHLORO- ETHENE TOTAL (UG/L) (34546)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)
16S.05W.25.211A	03-13-95 03-13-95	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.20 --	<0.2 --	<0.2 --	<0.20 --	<0.20 --
LOCAL IDENT- I- FIER	DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	P,P' DDE DISSOLV TOTAL (UG/L) (34653)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	NAPHTH- ALENE TOTAL (UG/L) (34696)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	CHLOR- PYRIFOS DIS- SOLVED TOTAL (UG/L) (38933)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)
16S.05W.25.211A	03-13-95 03-13-95	<0.20 --	<0.006 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.004 --	<0.2 --	<0.2 --
LOCAL IDENT- I- FIER	DATE	LINDANE DIS- SOLVED (UG/L) (39341)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MALA- THION, DIS- SOLVED (UG/L) (39532)	PARA- THION, DIS- SOLVED (UG/L) (39542)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)
16S.05W.25.211A	03-13-95 03-13-95	<0.004 --	<0.001 --	<0.002 --	<0.005 --	<0.004 --	<0.002 --	<0.001 --	<0.2 --	<0.002 --

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SIERRA COUNTY -- Continued
ORGANIC COMPOUND DATA

LOCAL IDENT- I- FIER	DATE	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	STYRENE TOTAL (UG/L) (77128)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)
16S.05W.25.211A	03-13-95 03-13-95	<0.002 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.2 --	<0.20 --	<0.20 --	<0.20 --
LOCAL IDENT- I- FIER	DATE	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	P-ISO- PROPYL- TOLUENE WATER WHOLE TOTAL (UG/L) (77356)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)
16S.05W.25.211A	03-13-95 03-13-95	<0.20 --	<0.2 --	<0.20 --	<0.20 --	<0.20 --	<0.20 --	<0.20 --	<0.20 --	<0.2 --
LOCAL IDENT- I- FIER	DATE	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	XYLENE WATER UNFLTRD REC (UG/L) (81551)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
16S.05W.25.211A	03-13-95 03-13-95	<0.2 --	<0.20 --	<0.2 --	<0.2 --	<0.2 --	<0.20 --	<0.2 --	<1.0 --	<0.004 --
LOCAL IDENT- I- FIER	DATE	2,6-DI- ETHYL ANILINE WAT FLT GF, REC (UG/L) (82660)	TRI- FLUR- ALIN WAT FLT GF, REC (UG/L) (82661)	ETHAL- FLUR- ALIN WAT FLT GF, REC (UG/L) (82663)	PHORATE WATER FLTRD GF, REC (UG/L) (82664)	TER- BACIL WATER FLTRD GF, REC (UG/L) (82665)	LIN- URON WATER FLTRD GF, REC (UG/L) (82666)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	EPTC WATER FLTRD GF, REC (UG/L) (82668)	PEB- ULATE WATER FILTRD GF, REC (UG/L) (82669)
16S.05W.25.211A	03-13-95 03-13-95	<0.003 --	<0.002 --	<0.004 --	<0.002 --	<0.007 --	<0.002 --	<0.006 --	<0.002 --	<0.004 --
LOCAL IDENT- I- FIER	DATE	TEBU- THIURON WATER FLTRD GF, REC (UG/L) (82670)	MOL- INATE WATER FLTRD GF, REC (UG/L) (82671)	ETHO- PROP WATER FLTRD GF, REC (UG/L) (82672)	BEN- FLUR- ALIN WAT FLD GF, REC (UG/L) (82673)	CARBO- FURAN WATER FLTRD GF, REC (UG/L) (82674)	TER- BUFOS WATER FLTRD GF, REC (UG/L) (82675)	PRON- AMIDE WATER FLTRD GF, REC (UG/L) (82676)	DISUL- FOTON WATER FLTRD GF, REC (UG/L) (82677)	TRIAL- LATE WATER FLTRD GF, REC (UG/L) (82678)
16S.05W.25.211A	03-13-95 03-13-95	<0.010 --	<0.004 --	<0.003 --	<0.002 --	<0.003 --	<0.013 --	<0.003 --	<0.017 --	<0.001 --
LOCAL IDENT- I- FIER	DATE	PRO- PANIL WATER FLTRD GF, REC (UG/L) (82679)	CAR- BARYL WATER FLTRD GF, REC (UG/L) (82680)	THIO- BENCARB WATER FLTRD GF, REC (UG/L) (82681)	DCPA WATER FLTRD GF, REC (UG/L) (82682)	PENDI- METH- ALIN WAT FLT GF, REC (UG/L) (82683)	NAPROP- AMIDE WATER FLTRD GF, REC (UG/L) (82684)	PRO- PARGITE WATER FLTRD GF, REC (UG/L) (82685)	METHYL AZIN- PHOS WAT FLT GF, REC (UG/L) (82686)	PER- METHRIN CIS WAT FLT GF, REC (UG/L) (82687)
16S.05W.25.211A	03-13-95 03-13-95	<0.004 --	<0.003 --	<0.002 --	<0.002 --	<0.004 --	<0.003 --	<0.013 --	<0.001 --	<0.005 --

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SOCORRO COUNTY

LOCAL IDENT- I- FIER	STATION	NUMBER	COUNTY	SITE	DATE	TIME	GEO- LOGIC UNIT	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	DEPTH TO BOT- TOM OF SAMPLE INTER- VAL (FT) (72016)
08S.02W.11.121	333810107005001	053	GW	04-19-95	1020	112SNTF	62.85	138.00	138	
				04-19-95	1025	112SNTF	62.85	138.00	138	
06S.01W.12.214	334818106533401	053	GW	05-02-95	1100	112SNTF	--	80.00	80	
				05-02-95	1105	112SNTF	--	80.00	80	
05S.01E.07.234	335326106522701	053	GW	04-13-95	1030	112SNTF	--	84.00	84	
04S.01E.08.221	335903106511701	053	GW	04-13-95	1035	112SNTF	--	84.00	84	
		053	GW	04-20-95	1050	112SNTF	9.51	92.00	92	
		053	GW	04-20-95	1055	112SNTF	9.51	92.00	92	
01S.01W.01.124	341519106535101	053	GW	04-17-95	1020	112SNTF	11.60	65.00	65	
		053	GW	04-17-95	1025	112SNTF	11.60	65.00	65	
01N.01E.04.123	342041106504601	053	GW	04-11-95	1030	112SNTF	21.45	89.00	88	
		053	GW	04-11-95	1035	112SNTF	21.45	89.00	88	
03N.01E.23.331	342753106485501	053	GW	04-11-95	1430	112SNTF	9.74	210.00	210	
		053	GW	04-11-95	1435	112SNTF	9.74	210.00	210	

LOCAL IDENT- IFIER	DATE	DEPTH TO TOP OF SAMPLE INTER- VAL (FT) (72015)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE, INSTAN- TANEOUS (G/M) (00059)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)
08S.02W.11.121	04-19-95	123	4516	9.4	423	8.0	12.5	19.0	638	0.3
	04-19-95	123	4516	9.4	423	8.0	12.5	19.0	638	0.3
06S.01W.12.214	05-02-95	50	4525	--	548	8.0	29.5	24.0	641	4.7
	05-02-95	50	4525	--	548	8.0	29.5	24.0	641	4.7
05S.01E.07.234	04-13-95	64	4552	5.1	487	8.0	22.5	18.5	650	0.9
	04-13-95	64	4552	5.1	487	8.0	22.5	18.5	650	0.9
04S.01E.08.221	04-20-95	72	4570	5.3	600	8.0	18.0	16.0	640	0.1
	04-20-95	72	4570	5.3	600	8.0	18.0	16.0	640	0.1
01S.01W.01.124	04-17-95	55	4665	6.7	1060	7.8	12.5	14.5	638	0.1
	04-17-95	55	4665	6.7	1060	7.8	12.5	14.5	638	0.1
01N.01E.04.123	04-11-95	84	4725	3.4	1770	7.7	13.0	17.0	640	0.1
	04-11-95	84	4725	3.4	1770	7.7	13.0	17.0	640	0.1
03N.01E.23.331	04-11-95	200	4746	9.7	874	8.0	17.0	20.0	638	<0.1
	04-11-95	200	4746	9.7	874	8.0	17.0	20.0	638	<0.1

[illegible]

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SOCORRO COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	ALKA- LINITY WAT.WH. GRAN T. FIELD CACO3 (MG/L) (29813)	ALKA- LINITY WAT DIS TOT IT FIELD CACO3 (MG/L) (39086)	ALKA- LINITY LAB (MG/L) AS CACO3 (90410)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	FLUO- RIDE, DIS- SOLVED (MG/L) AS F (00950)	BROMIDE DIS- SOLVED (MG/L) AS BR (71870)	SILICA, DIS- SOLVED (MG/L) AS SiO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
08S.02W.11.121	04-19-95	120	121	122	57	21	0.70	0.060	26	267
	04-19-95	120	121	---	---	---	---	---	---	---
06S.01W.12.214	05-02-95	140	143	146	56	39	2.5	0.15	39	348
	05-02-95	140	143	---	---	---	---	---	---	---
05S.01E.07.234	04-13-95	140	142	145	55	31	0.90	0.090	34	304
	04-13-95	140	142	---	---	---	---	---	---	---
04S.01E.08.221	04-20-95	170	172	173	110	21	0.40	0.070	30	400
	04-20-95	170	172	---	---	---	---	---	---	---
01S.01W.01.124	04-17-95	240	246	249	220	68	0.30	0.14	23	706
	04-17-95	240	246	---	---	---	---	---	---	---
01N.01E.04.123	04-11-95	170	166	168	340	280	1.1	0.40	39	1160
	04-11-95	170	166	---	---	---	---	---	---	---
03N.01E.23.331	04-11-95	130	134	136	200	58	1.0	0.18	35	563
	04-11-95	130	134	---	---	---	---	---	---	---

LOCAL IDENT- I- FIER	DATE	SOLIDS, SUM OF CONSTIT- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS N (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L) AS N (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L) AS N (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L) AS N (00623)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L) AS P (00671)	CARBON, ORGANIC DIS- SOLVED (MG/L) AS C (00681)
08S.02W.11.121	04-19-95	270	--	<0.010	<0.050	<0.015	<0.20	<0.010	<0.010	0.30
	04-19-95	---	---	---	---	---	---	---	---	---
06S.01W.12.214	05-02-95	340	0.860	0.020	0.880	<0.015	<0.20	<0.010	0.010	0.10
	05-02-95	---	---	---	---	---	---	---	---	---
05S.01E.07.234	04-13-95	312	--	<0.010	0.200	<0.015	<0.20	0.110	0.140	0.30
	04-13-95	---	---	---	---	---	---	---	---	---
04S.01E.08.221	04-20-95	393	--	<0.010	<0.050	0.180	0.30	0.010	0.040	1.9
	04-20-95	---	---	---	---	---	---	---	---	---
01S.01W.01.124	04-17-95	692	--	<0.010	<0.050	0.020	<0.20	0.010	0.020	1.8
	04-17-95	---	---	---	---	---	---	---	---	---
01N.01E.04.123	04-11-95	1130	--	<0.010	<0.050	0.050	<0.20	0.030	0.040	0.60
	04-11-95	---	---	---	---	---	---	---	---	---
03N.01E.23.331	04-11-95	568	--	<0.010	1.60	<0.015	<0.20	<0.010	<0.010	<0.10
	04-11-95	---	---	---	---	---	---	---	---	---

LOCAL IDENT- I- FIER	DATE	ANTI- MONY, DIS- SOLVED (UG/L) AS SB (01095)	ARSENIC DIS- SOLVED (UG/L) AS AS (01000)	BARIUM, DIS- SOLVED (UG/L) AS BA (01005)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE (01010)	CADMIUM DIS- SOLVED (UG/L) AS CD (01025)	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR (01030)	COBALT, DIS- SOLVED (UG/L) AS CO (01035)	COPPER, DIS- SOLVED (UG/L) AS CU (01040)	IRON, DIS- SOLVED (UG/L) AS FE (01046)
08S.02W.11.121	04-19-95	---	---	---	---	---	---	---	---	110
	04-19-95	<1	6	19	<1	<1	<1	<1	<1	---
06S.01W.12.214	05-02-95	---	---	---	---	---	---	---	---	<3
	05-02-95	<1	16	76	<1	<1	5	<1	<1	---
05S.01E.07.234	04-13-95	---	---	---	---	---	---	---	---	<3
	04-13-95	<1	48	52	<1	<1	<1	<1	<1	---
04S.01E.08.221	04-20-95	---	---	---	---	---	---	---	---	77
	04-20-95	<1	2	110	<1	<1	1	<1	<1	---
01S.01W.01.124	04-17-95	---	---	---	---	---	---	---	---	120
	04-17-95	<1	4	98	<1	<1	2	<1	1	---
01N.01E.04.123	04-11-95	---	---	---	---	---	---	---	---	550
	04-11-95	<1	18	34	<1	<1	2	<1	2	---
03N.01E.23.331	04-11-95	---	---	---	---	---	---	---	---	<3
	04-11-95	<1	5	18	<1	<1	<1	<1	1	---

QUALITY OF GROUND WATER
WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
SOCORRO COUNTY -- Continued

LOCAL IDENT- IFIER	DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA RADIO, WATER DISS AS TH-230 (PCI/L) (04126)
08S.02W.11.121	04-19-95	--	37	--	--	--	--	<3.0	0.92	<3.0
	04-19-95	<1	36	5	1	<1	<1	--	--	--
06S.01W.12.214	05-02-95	--	<1	--	--	--	--	11	2.1	10
	05-02-95	<1	<1	7	<1	2	<1	--	--	--
05S.01E.07.234	04-13-95	--	13	--	--	--	--	6.2	1.5	5.9
	04-13-95	<1	13	6	<1	2	<1	--	--	--
04S.01E.08.221	04-20-95	--	320	--	--	--	--	<3.0	0.41	<3.0
	04-20-95	<1	320	6	2	<1	<1	--	--	--
01S.01W.01.124	04-17-95	--	340	--	--	--	--	13	2.5	12
	04-17-95	<1	350	6	4	<1	<1	--	--	--
01N.01E.04.123	04-11-95	--	260	--	--	--	--	3.9	1.1	3.8
	04-11-95	1	260	12	4	<1	<1	--	--	--
03N.01E.23.331	04-11-95	--	<1	--	--	--	--	5.8	1.5	5.3
	04-11-95	<1	<1	10	<1	2	<1	--	--	--

LOCAL IDENT- IFIER	DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ Y-90) (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
08S.02W.11.121	04-19-95	0.87	5.0	2.8	<4.0	1.7	270	22	--
	04-19-95	--	--	--	--	--	--	--	3
06S.01W.12.214	05-02-95	1.9	17	4.9	9.9	2.1	270	19	--
	05-02-95	--	--	--	--	--	--	--	10
05S.01E.07.234	04-13-95	1.3	9.3	3.4	5.0	1.6	1700	37	--
	04-13-95	--	--	--	--	--	--	--	8
04S.01E.08.221	04-20-95	0.39	4.5	3.7	<4.0	2.2	460	22	--
	04-20-95	--	--	--	--	--	--	--	<1
01S.01W.01.124	04-17-95	2.2	18	7.3	9.9	3.7	400	22	--
	04-17-95	--	--	--	--	--	--	--	15
01N.01E.04.123	04-11-95	1.0	7.3	2.8	4.9	1.7	380	21	--
	04-11-95	--	--	--	--	--	--	--	10
03N.01E.23.331	04-11-95	1.3	11	9.1	5.1	4.2	290	19	--
	04-11-95	--	--	--	--	--	--	--	4

LOCAL IDENT- IFIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
08S.02W.11.121	04-19-95	1020	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-19-95	1025	--	--	--	--	--	--	--	--
06S.01W.12.214	05-02-95	1100	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	05-02-95	1105	--	--	--	--	--	--	--	--
05S.01E.07.234	04-13-95	1030	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-13-95	1035	--	--	--	--	--	--	--	--
04S.01E.08.221	04-20-95	1050	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-20-95	1055	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	--
01S.01W.01.124	04-17-95	1020	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-17-95	1025	--	--	--	--	--	--	--	--
01N.01E.04.123	04-11-95	1030	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-11-95	1035	--	--	--	--	--	--	--	--
03N.01E.23.331	04-11-95	1430	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-11-95	1435	--	--	--	--	--	--	--	--

SOCORRO COUNTY -- Continued

ORGANIC COMPOUND DATA

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[illegible][illegible][illegible]

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SOCORRO COUNTY -- Continued

ORGANIC COMPOUND DATA

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QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

VALENCIA COUNTY -- Continued

LOCAL IDENT- I- FIER	DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	ALPHA, COUNT, 2 SIGMA WAT DIS AS NAT U (UG/L) (75986)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	
04N.02E.30.243	03-29-95	<1	--	--	--	--	12	2.4	11	
	03-29-95	<1	4	<1	1	<1	--	--	--	
06N.02E.18.232	04-09-95	<1	--	--	--	--	4.0	1.1	3.9	
	04-09-95	<1	12	<1	2	<1	--	--	--	
06N.02E.10.341	04-06-95	<1	--	--	--	--	3.1	0.93	3.1	
	04-06-95	<1	4	<1	<1	<1	--	--	--	
07N.03E.30.321	04-03-95	<1	--	--	--	--	<3.0	0.92	<3.0	
	04-03-95	<1	3	1	<1	<1	--	--	--	
07N.02E.23.414	04-09-95	1	--	--	--	--	<3.0	0.72	<3.0	
	04-09-95	<1	4	1	<1	<1	--	--	--	
07N.02E.22.231	04-12-95	8	--	--	--	--	4.3	1.2	4.0	
	04-12-95	7	3	1	<1	<1	--	--	--	
LOCAL IDENT- I- FIER	DATE	ALPHA COUNT, 2 SIGMA WAT DIS AS TH-230 (PCI/L) (75987)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	BETA, 2 SIGMA WATER, DISS, AS CS-137 (PCI/L) (75989)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ Y-90) (80050)	BETA, 2 SIGMA WATER, DISS, AS SR90 /Y90 (PCI/L) (75988)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	
04N.02E.30.243	03-29-95	2.0	7.7	4.4	6.0	3.3	240	19	--	
	03-29-95	--	--	--	--	--	--	--	13	
06N.02E.18.232	04-09-95	1.1	6.5	3.5	<4.0	1.6	490	25	--	
	04-09-95	--	--	--	--	--	--	--	4	
06N.02E.10.341	04-06-95	0.91	13	5.2	10	3.6	540	24	--	
	04-06-95	--	--	--	--	--	--	--	6	
07N.03E.30.321	04-03-95	0.81	<4.0	3.5	<4.0	2.8	380	21	--	
	04-03-95	--	--	--	--	--	--	--	2	
07N.02E.23.414	04-09-95	0.68	9.4	4.5	7.5	3.4	300	23	--	
	04-09-95	--	--	--	--	--	--	--	3	
07N.02E.22.231	04-12-95	1.1	7.6	4.5	4.1	2.3	340	21	--	
	04-12-95	--	--	--	--	--	--	--	4	
LOCAL IDENT- I- FIER	DATE	TIME	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)
04N.02E.30.243	03-29-95	1120	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	03-29-95	1125	--	--	--	--	--	--	--	--
06N.02E.18.232	04-09-95	1450	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-09-95	1455	--	--	--	--	--	--	--	--
06N.02E.10.341	04-06-95	1020	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-06-95	1025	--	--	--	--	--	--	--	--
07N.03E.30.321	04-03-95	1020	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-03-95	1025	--	--	--	--	--	--	--	--
07N.02E.23.414	04-09-95	0940	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-09-95	0945	--	--	--	--	--	--	--	--
07N.02E.22.231	04-12-95	1040	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.2
	04-12-95	1045	--	--	--	--	--	--	--	--

VALENCIA COUNTY -- Continued

ORGANIC COMPOUND DATA

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QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

VALENCIA COUNTY

ORGANIC COMPOUND DATA

[illegible][illegible]

LOCAL IDENT- I- FIER	DATE	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (82660)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (82661)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	TER- BACIL WATER FLTRD 0.7 U GF, REC (82665)	LIN- URON WATER FLTRD 0.7 U GF, REC (82666)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (82667)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (82669)
04N.02E.30.243	03-29-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	03-29-95	--	--	--	--	--	--	--	--	--
06N.02E.18.232	04-09-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	04-09-95	--	--	--	--	--	--	--	--	--
06N.02E.10.341	04-06-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	04-06-95	--	--	--	--	--	--	--	--	--
07N.03E.30.321	04-03-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	04-03-95	--	--	--	--	--	--	--	--	--
07N.02E.23.414	04-09-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	04-09-95	--	--	--	--	--	--	--	--	--
07N.02E.22.231	04-12-95	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
	04-12-95	--	--	--	--	--	--	--	--	--

VALENCIA COUNTY -- Continued

ORGANIC COMPOUND DATA

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RIO GRANDE BASIN

Rio Grande Seepage Investigation

REACH--The seepage investigation was conducted along a 62.4-mile reach from the Rio Grande below Leasburg Dam near Radium Springs, New Mexico, to the Rio Grande at El Paso, Texas (08364000). The river has been channelized through much of this reach and the gradient is quite flat. About 71,000 acres are irrigated in the Mesilla Valley between Leasburg Dam and El Paso, with ground-water withdrawals used to supplement the surface-water supply.

PREVIOUS INVESTIGATIONS--A seepage investigation of the reach between the gaging station "below Caballo Dam" (08362500) and a site 0.3 mi upstream from the gaging station "at El Paso" (08364000) was conducted by the U.S. Geological Survey on February 12-13, 1974. A seepage investigation of this same reach was conducted on January 5-6, 1988, January 10-11, 1989, January 9-10, 1990, and January 8-9, 1991.

DATE--January 11-12, 1995.

WEATHER--Weather was favorable for the seepage investigation; no precipitation occurred. Temperature extremes at Las Cruces, New Mexico, ranged from a low of -2 degrees Celsius on January 11 to a high of 17 degrees Celsius January 12.

STREAMFLOW--The seepage investigation was conducted during a period of constant base flow. Discharge measurements indicate a net seepage loss of 18.1 cubic feet per second from river mile 1,312.3 to river mile 1,249.9 as shown in figure 2. Indicated gains (+) and losses (-) throughout the reach are shown below. Tributary flow recorded as inflow is considered a contribution and not a gain; no outflow (diversions) occurred during the investigation. Evaporation from the water surface of the river in January is considered negligible.

REMARKS--The seepage investigation is rated good along the upstream reach from river mile 1,312.3 (site 1) to river mile 1,295.6 (site 8) based upon steady streamflow conditions. The seepage investigation is rated poor along the middle reach from river mile 1,295.6 (site 8) to river mile 1,261.6 (site 26) based upon unsteady streamflow conditions. Intermittent inflow from the City of Las Cruces Wastewater Treatment Plant (site 9) occurred during the seepage investigation due to plant repairs. Recorded river stage in the Rio Grande at NM-227 Bridge near Vado, New Mexico (site 17), indicates a change in gage height from -0.50 feet on January 11 at 1330 to -0.56 feet on January 12 at 0845. The seepage investigation is rated fair with a slight diurnal fluctuation in river stage along the downstream reach from river mile 1,261.6 (site 26) to river mile 1,249.9 (site 34). Individual discharge measurements were rated good (within 5 percent) to fair (within 8 percent); accuracy of discharge measurements needs to be considered when evaluating indicated gains and losses. C, degrees Celsius; mS/cm, microsiemens per centimeter at 25 degrees Celsius; ft³/s, cubic feet per second; --, no data or not applicable. Site number locations are shown in figure 1. Locations are in New Mexico unless otherwise indicated.

River mile	Stream	Location	Time	Water temp (°C)	Specific conduct- ance (uS/cm)	Discharge, in ft ³ /s		Gain or loss
						Main stream	Inflow	
January 11, 1995								
1,312.3	Rio Grande	Below Leasburg Dam near Radium Springs, NM	0945	6.9	--	52.2		--
		Lat 32°28'41", long 106°55'10"						
1,310.2	Rio Grande	Near Leasburg, NM	1200	8.0	1,310	56.9		+4.7
		Lat 32°27'21", long 106°54'08"						
*1,307.6	Selden Drain	Near Leasburg, NM	1300	--	--		0	--
		Lat 32°25'38", long 106°52'50"						
1,306.3	Rio Grande	Near Hill, NM	1345	10.9	1,460	64.2		+7.3
		Lat 32°25'05", long 106°52'01"						
1,302.7	Rio Grande	At Shalem Bridge near Dona Ana, NM	1440	11.0	1,460	65.		+0.8
		Lat 32°22'34", long 106°51'16"						
*1,301.2	Wasteway no. 5	Near Dona Ana, NM	1600	13.2	1,770		0.045	--
		Lat 32°22'14", long 106°50'14"						
1,298.8	Rio Grande	Near Picacho, NM	0930	4.9	1,450	65.1		+0.1
		Lat 32°20'18", long 106°50'09"						
1,295.6	Rio Grande	Below Picacho Bridge near Las Cruces, NM	1110	7.5	1,440	66.2		+1.1
		Lat 32°17'45", long 106°49'25"						
*1,295.4	Wastewater inflow	City of Las Cruces, NM	1100	17.3	1,350		1/15.9	--
		Lat 32°17'35", long 106°49'26"						
1,293.1	Rio Grande	At NM-359 Bridge near Mesilla, NM	1330	11.6	1,420	74.1		-8.0
		Lat 32°15'49", long 106°49'29"						
*1,291.8	Picacho Drain	Above Mesilla Dam	1500	11.8	1,410		3.19	--
		Lat 32°14'34", long 106°48'56"						
1,291.7	Rio Grande	Below Picacho Drain	1535	11.8	1,410	70.6		-6.7
		Lat 32°14'30", long 106°48'49"						
1,289.5	Rio Grande	Below Mesilla Dam	0855	5.9	1,370	57.7		-12.9
		Lat 30°13'17", long 106°47'15"						
1,287.3	Rio Grande	At NM-28 Bridge near San Pablo, NM	1025	13.3	1,370	62.2		+4.5
		Lat 32°12'24", long 106°45'32"						
*1,283.6	Santo Tomas River Drain	Near San Miguel, NM	1330	--	--		0	--
		Lat 32°10'16", long 106°43'11"						
1,282.7	Rio Grande	At NM-228 Bridge near San Miguel, NM	1130	8.4	1,350	62.2		-0.1
		Lat 32°09'43", long 106°42'58"						
1,277.8	Rio Grande	At NM-227 Bridge near Vado, NM	1330	11.0	1,310	66.3		+4.2
		Lat 32°06'48", long 106°40'05"						

River mile	Stream	Location	Time	Water temp (°C)	Specific conduct- ance (uS/cm)	Discharge, in ft ³ /s		Gain or loss
						Main stream	Inflow	
January 12, 1995								
1,277.8	Rio Grande	At NM-227 Bridge near Vado, NM Lat 32°06'48", long 106°40'05"	0845	7.8	1,390	50.5		--
*1,276.6	Del Rio Drain	Near Vado, NM Lat 32°06'09", long 106°39'27"	1100	12.2	1,320		30.2	--
1,273.8	Rio Grande	At NM-226 Bridge near Berino, NM Lat 32°03'56", long 106°39'45"	1230	11.6	1,360	85.0		+4.3
*1,271.6	La Mesa Drain	Near Chamberino, NM Lat 32°02'15", long 106°39'23"	1315	13.3	1,900		11.8	--
1,271.5	Rio Grande	Below La Mesa Frain near Chamberino, NM Lat 32°02'12", long 106°39'18"	1420	13.5	1,430	98.3		+1.5
1,268.5	Rio Grande	At NM-225 Bridge near Anthony, NM Lat 31°59'58", long 106°38'07"	0920	14.7	1,450	98.0		-0.3
1,268.5	Pipe Inflow	At NM-225 Bridge near Anthony, NM Lat 31°59'58", long 106°38'07"	1000	14.7	2,530		0.090	--
*1,265.4	East Drain	Near Vinton, Tx Lat 31°58'09", long 106°36'17"	1020	10.8	2,940		7.74	--
1,264.7	Rio Grande	At Vinton Bridge near Vinton, TX Lat 31°57'33", long 106°36'16"	1100	10.8	1,560	107.		+1.2
1,261.6	Rio Grande	At TX-259 Bridge, Canutillo, TX Lat 31°54'54", long 106°36'06"	1330	12.7	1,570	105.		-2
1,259.3	Rio Grande	At Borderland Bridge near Borderland, TX Lat 31°53'09", long 106°35'55"	1430	13.3	1,540	96.2		-8.8
1,256.2	Rio Grande	At TX-260 Bridge near Santa Teresa, NM Lat 31°50'46", long 106°36'18"	0920	9.4	1,530	104.		+7.8
1,252.8	Rio Grande	Near Sunland Park, NM Lat 31°48'24", long 106°34'57"	1030	12.4	1,520	92.5		-11.5
*1,251.0	Wastewater Inflow	Sunlnad Plant, City of Sunland Park, NM Lat 31°45'55", long 106°33'25"	1335	19.7	1,580		1.10	--
1,250.9	Rio Grande	At Sunland Park Bridge, Sunland Park, NM Lat 31°47'56", long 106°33'16"	1320	13.0	1,520	111.		+17.4
*1,250.3	Montoya Drain	Near Sunland Park, NM Lat 31°48'10", long 106°32'47"	1435	16.7	2,610		40.1	--
*1,250.1	Keystone Reservoir Outlet	Near El Paso, TX Lat 31°48'18", long 106°32'39"	1600	20.5	4,200		1.20	--
1,250.0	Temporary Well	Above Courchesne Bridge near El Paso, TX Lat 31°48'13", long 106°32'28"	1625	14.6	4,940		2/0.439	--
1,249.9	Rio Grande	At Courchesne Bridge, El Paso, TX Lat 31°48'09", long 106°32'26"	1630	14.1	1,950	130.		-22.7

* River mile at mouth of drain or point of discharge.

1/ Reported discharge

2/ Temporary well inflow to the Rio Grande at left bank approximately 400 feet upstream from the Courchesne Bridge. Shallow wells were pumped for the purpose of de-watering at road construction sites along Doniphan Drive.

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