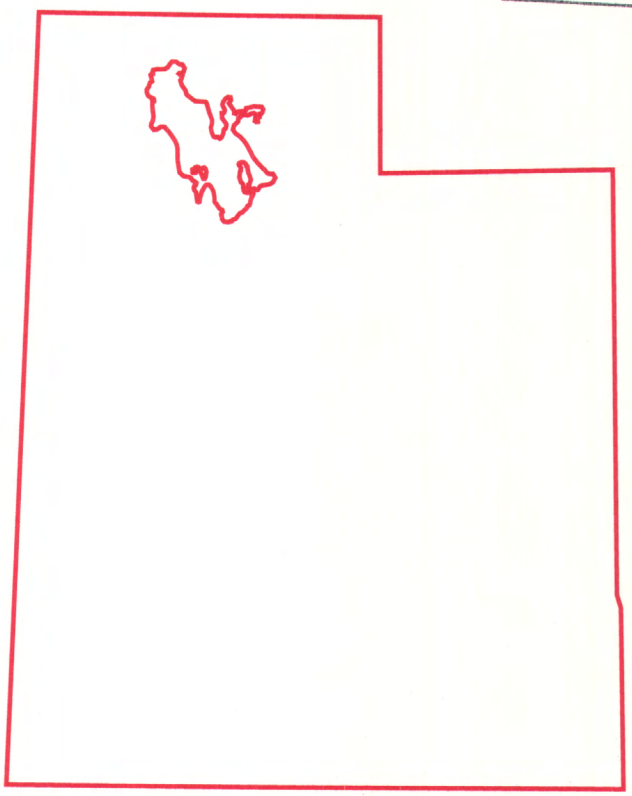
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Water Resources Data
Utah
Water Year 1992

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Prepared in cooperation with the State of Utah
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CALENDAR FOR WATER YEAR 1992

1991

OCTOBER

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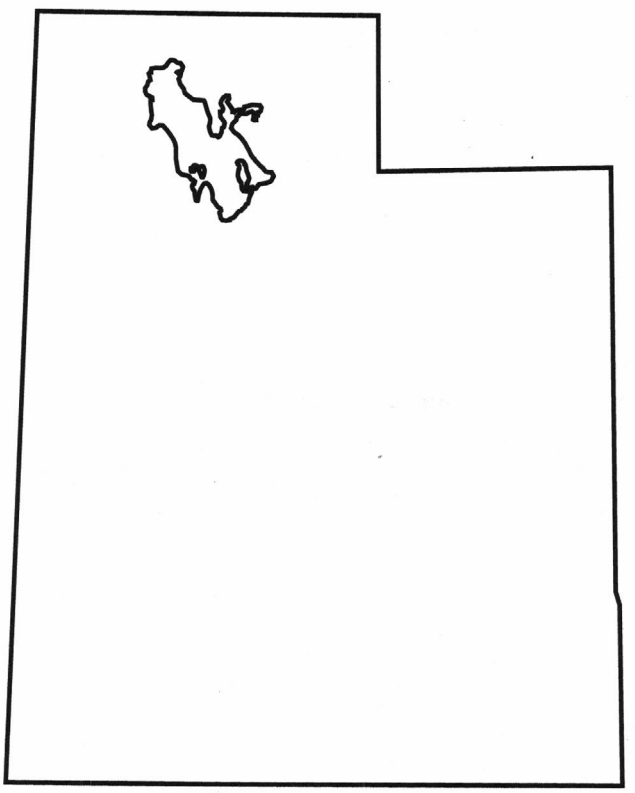
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Water Resources Data
Utah
Water Year 1992

by M.D. ReMillard, L.R. Herbert, G.A. Birdwell, and T.K. Lockner



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT UT-92-1
Prepared in cooperation with the State of Utah
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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1993

PREFACE

This volume of the annual hydrologic data report of Utah 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 quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Utah are contained in one 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. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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Howard K. Christiansen	Michael Greene	Greg Smith
Donald Curfew	Michael Hawkins	James Sory
Mark Danner	James Howells	Robert Swenson
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Water resources data for the 1992 water year for Utah consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water quality of ground water. This report contains discharge records for 193 gaging stations; stage and contents for 23 lakes and reservoirs; and water quality for 24 hydrologic stations and 215 wells; and water levels for 48 observation wells. 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 State and Federal agencies in Utah.

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BOX ELDER COUNTY		
Well 414236112101201	Local number (B-11- 3)10abb- 4	317
Well 414411112543701	Local number (B-12- 9)30cda- 1	317
Well 415703112514501	Local number (B-14- 9) 9add- 1	318
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Well 375241112471001	Local number (C-34- 8) 5bca- 1	318
Well 374252113391801	Local number (C-35-16)33bcc- 1	318
Well 373735113393801	Local number (C-36-16)29daa- 1	318
JUAB COUNTY		
Well 395259113430401	Local number (C-11-17)12cbb- 1	319
Well 393143111523301	Local number (C-15- 1)12aba- 1	319
KANE COUNTY		
Well 370901112335001	Local number (C-42- 6)18cca- 1	319
Well 370523112334702	Local number (C-42- 6)30dcc- 2	319
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Well 393046112231301	Local number (C-15- 5)15dad- 1	320
Well 393020112362201	Local number (C-15- 7)23bac- 1	320
Well 385844112245801	Local number (C-21- 5)21aba- 1	320
Well 384906112330601	Local number (C-23- 6)17baa- 1	320
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Well 403916111575901	Local number (C- 2- 1) 9ccc- 1	321
Well 403452111484301	Local number (D- 3- 1) 2ccc- 1	321
SAN JUAN COUNTY		
Well 375243109191301	Local number (D-33-24)30dab- 1	321
Well 373830109283201	Local number (D-36-22)22daa- 1	321
TOOELE COUNTY		
Well 405028113362001	Local number (B- 1-15) 7cab- 1	322
Well 405028113362102	Local number (B- 1-15) 7cab- 2	322
Well 405028113362101	Local number (B- 1-15) 7cab- 3	322
Well 405028113361901	Local number (B- 1-15) 7cab- 4	322
Well 405028113361902	Local number (B- 1-15) 7cab- 5	322
Well 405028113361903	Local number (B- 1-15) 7cab- 6	323
Well 405028113362501	Local number (B- 1-15) 7cba- 1	323
Well 405028113362401	Local number (B- 1-15) 7cba- 2	323
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Well 404408113283201	Local number (C- 1-14)18bad- 1	323
Well 404408113283101	Local number (C- 1-14)18bad- 2	324
Well 404407113283101	Local number (C- 1-14)18bad- 3	324
Well 404522113344901	Local number (C- 1-15) 7add- 1	324
Well 404523113344801	Local number (C- 1-15) 7add- 2	324
Well 404523113344802	Local number (C- 1-15) 7add- 3	324
Well 404523113344701	Local number (C- 1-15) 7add- 4	325
Well 404523113344702	Local number (C- 1-15) 7add- 5	325
Well 404523113344703	Local number (C- 1-15) 7add- 6	325
Well 403539112282901	Local number (C- 2- 6)36dcc- 1	325
Well 401312112442301	Local number (C- 7- 8)10cbd- 1	326
UINTAH COUNTY		
Well 403158109372201	Local number (D- 3-20)25abc- 2	326
UTAH COUNTY		
Well 401818112014501	Local number (C- 6- 2)14aba- 1	326
Well 395527111525801	Local number (C-10- 1)24ddc- 1	326
Well 402333111513401	Local number (D- 5- 1) 8dcc- 1	327
Well 400215111472801	Local number (D- 9- 1)14aad- 1	327
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Well 370231113320301	Local number (C-43-15)16dac- 1	328
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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water gaging stations in Utah and parts of surrounding states have been discontinued. Daily streamflow (d) and resevoir elevation (e) records were collected and published for the period of record, expressed in water years. Discontinued project stations with less than 2 years of data 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 (sq mi)	Period of record
COLORADO RIVER BASIN			
Cottonwood Wash at I-70 near Cisco, Ut (d)	09163675	170	1983-86
Twomile Creek near LaSal, Ut (d)	09169000	269	1944-51
Taylor Creek near Gateway, Colorado (d)	09177500	12	1944-67
Deep Creek near Paradox, Colorado (d)	09178000	---	1944-53
TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER			
Geyser Creek near Paradox, Colorado (d)	09178500	---	1944-51
Onion Creek above Onion Creek Bridge near Moab, Ut (d)	09180920	---	1979-81
Onion Creek below Onion Creek Bridge near Moab, Ut (d)	09180970	---	1979-81
Onion Creek near Moab, Ut (d)	09181000	18.8	1950-55
Professor (Rock) Creek near Moab, Ut (d)	09181500	33.6	1950-53
Castle Creek above diversions, near Moab, Ut (d)	09182000	7.58	1951-55 1958-75
Castle Creek near Moab, Ut (d)	09182500	53.1	1950-55 1957-58
Courthouse Wash at Arches Hwy Crossing near Moab, Ut (d)	09182900	143	1959-66
Courthouse Wash near Moab, Ut (d)	09183000	162	1950-55 1957 1966-89
Pack Creek at M4 Ranch, near Moab, Ut (d)	09184500	15.8	1955-59
Pack Creek near Moab, Ut (d)	09185000	57.4	1955-59
Hatch Wash near LaSal, Ut (d)	09185500	378	1951-71
Indian Creek Tunnel near Monticello, Ut (d)	09185800	---	1958-80
Indian Creek near Monticello, Ut (d)	09186000	4.70	1950-57
Cottonwood Creek near Monticello, Ut (d)	09187000	115	1950-57
Indian Creek above Harts Dray near Monticello, Ut (d)	09187500	258	1949-57
Indian Creek below Bogus Pocket near Monticello, Ut (d)	09187550	262	1983-88
GREEN RIVER BASIN			
Blacks Fork above Blacks Fork Ranger Station, Ut (d)	09217500	48.8	1937-39
Blacks Fork (at Ranger St) near Robertson, Wy (d)	09217900	126	1937-39 1966-86
Blacks Fork at Blacks Fork Ranger Station, Ut (d)	09218000	a130	1937-39
Green River near Linwood, Ut (d)	09225500	a14,300	1928-63
Middle Fork Beaver Creek near Lonetree, Wy (d)	09226500	a28	1948-70
East Fork Beaver Creek near Lonetree, Wy (d)	09227000	a8.2	1949-62
West Fork Beaver Creek near Lonetree, Wy (d)	09227500	a23	1949-62
Burnt Fork near Burntfork, Wy (d)	09228500	52.8	1943-83
Green River at Flaming Gorge near Linwood, Ut (d)	09230500	a14,900	1923-38
Sheep Creek Upper Canal near Manila, Ut (d)	09231000	---	1950-61
Carter Creek Canal near Manila, Ut (d)	09231200	---	1956-61
Sheep Creek Lower Canal near Manila, Ut (d)	09231500	---	1950-61
Sheep Creek near Manila, Ut (d)	09232000	a42	1943-61
Sheep Creek at mouth near Manila, Ut (d)	09232500	111	1947-61
Carter Creek near Manila, Ut (d)	09233000	a19	1949-54
Red Lake Outlet near Manila, Ut (d)	09233500	a19	1946-49
Carter Creek at mouth near Manila, Ut (d)	09234000	a110	1946-55
Red Creek near Dutch John, Ut (d)	09234700	140	1971-76
Green River at (near) Bridgeport, Ut (d)	09235000	a15,700	1912-15
Crouse Creek near Vernal, Ut (d)	09235100	30.2	1986-90
Pot Creek near Vernal, Ut (d)	09235800	107	1958-82
Jones Hole Creek near Jensen, Ut (d)	09260500	a120	1950-56 1960-61
ASHLEY CREEK BASIN			
Brush Creek above cave near Vernal, Ut (d)	09261500	a23	1946-55
Big Brush Creek near Vernal, Ut (d)	09262000	79.6	1940-79
Lt Brush Creek below East Pk Res near Vernal, Ut (d)	09262500	a20	1949-55
Little Brush Creek near Vernal, Ut (d)	09263000	a28	1946-52
Brush Creek near Jensen, Ut (d)	09263500	255	1940-65
Ashley Creek below Trout Creek near Vernal, Ut (d)	09264000	a27	1944-54
South Fork Ashley Creek near Vernal, Ut (d)	09264500	a20	1944-55
Oaks Park Canal near Vernal, Ut (d)	09265000	---	1946-69
Ashley Creek above Red Pine Creek near Vernal, Ut (d)	09265300	55.8	1965-75
Ashley Creek above Spring near Vernal, Ut (d)	09265500	a100	1941-45
Ashley Creek Spring near Vernal, Ut (d)	09266000	---	1944-45 1954-55
U P & L Co.'s Tailrace near Vernal, Ut (d)	09267000	---	1917 1920-31
Ashley Creek above Dry Fork, near Vernal, Ut (d)	09267100	110	1969-72
Dry Fork above sinks, near Dry Fork, Ut (d)	09268000	44.4	1940-75
North Fork of Dry Fork near Dry Fork, Ut (d)	09268500	8.62	1947-89
Brownie Canyon above sinks, near Dry Fork, Ut (d)	09268900	8.24	1961-89
East Fork of Dry Fork near Dry Fork, Ut (d)	09269000	a12	1947-63
East Fork of Dry Fork at mouth near Dry Fork (d)	09269500	a18	1950-52
Dry Fork below springs near Dry Fork, Ut (d)	09270000	97.4	1904 1941-45 1954-69
Dry Fork at mouth near Dry Fork, Ut (d)	09270500	116	1954-89
Ashley Creek at Sign of the Maine, near Vernal, Ut (d)	09271000	241	1900-04 1939-65
Highline Canal below Mantle Gulch near Jensen, Ut (d)	09271070	---	1969-72
Steinaker Reservoir near Vernal, Ut (e)	09271300	---	1962-68
River Irrigation Company Canal near Jensen, Ut (d)	09271470	---	1969-72
Ashley Creek near Jensen, Ut (d)	09271500	383	1947-83
TRIBUTARIES BETWEEN ASHLEY CREEK AND DUCHESNE RIVER			
Halfway Hollow Tributary near LaPoint, Ut (d)	09271800	a5.6	1960-74

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN			
Duchesne Tunnel near Kamas, Ut (d)	09272500	---	1954-69
Duchesne River at Provo River Trail near Hanna, Ut (d)	09273000	a39	1930-33, 1935-54
Duchesne River below Little Deer Creek, near Hanna, Ut (d)	09273200	a39	1965-68
Hades Creek near Hanna, Ut (d)	09273500	a75	1950-68
Duchesne River (North Fork) near Hanna, Ut (d)	09274000	a78	1922-23, 1929-30, 1946-63
West Fork Duchesne River below Dry Hollow near Hanna, Ut (d)	09275000	43.8	1950-68, 1974-81
Wolf Creek above Rhoades Canyon near Hanna, Ut (d)	09276000	10.6	1946-84
Wolf Creek near Hanna, Ut	09276500	a19	1922-23
Duchesne River at Hanna, Ut (d)	09277000	a230	1953-61
Com Fl Duchesne Riv & Duchesne Tun near Tabiona (d)	09277501		1919-67
Rock Creek near Hanna, Ut (d)	09278500	122	1950-69, 1974-88
Rock Creek below Miners Gulch near Hanna, Ut (d)	09278700	133	1974-81
Duchesne River at Duchesne, Ut (d)	09279500	a660	1918-70
Strawberry River and Willow Creek Ditches near Heber, Ut (d)	09280000	---	1950-60
Hobble Creek at Daniels Summit near Wallsburg, Ut (d)	09280400	2.89	1964-84
Upper Hobble Creek Ditch near Heber, Ut (d)	09280500	---	1950-52
Lower Hobble Creek Ditch near Heber, Ut (d)	09281000	---	1950-52
Hobble Creek Ditch (Upper & Lower) near Heber,Ut (d)	09281500	---	1949-60
Strawberry Tunnel at West Portal near Thistle, Ut (d)	09282000	---	1915-25, 1932-34, 1935-68
Strawberry Reservoir near Soldier Springs, Ut (e)	09282500	170	1913-68
Indian Creek in Strawberry Valley, Ut (d)	09284000	a50	1905-06, 1909-10
Strawberry River below mouth of Indian Creek, Strawberry Valley, Ut (d)	09284500	182	1903-06, 1909
Willow Creek near Soldier Springs, Ut (d)	09285500	a44	1943-47
Strawberry River above Red Creek near Fruitland, Ut (d)	09285700	363	1964-81
Red Creek near Fruitland, Ut (d)	09286500	a89	1918-22, 1956-61
Currant Creek below Red Ledge Hollow near Fruitland, Ut (d)	09287000	50.1	1946-68, 1974-83
Water Hollow near Fruitland, Ut (d)	09287500	a14	1946-84
Red Creek below Currant Creek near Fruitland, Ut (d)	09288100	297	1964-81
West Fork Avintaquin Creek near Fruitland, Ut (d)	09288150	56.1	1964-86
Strawberry River at Duchesne (Theodore), Ut (d)	09288500	1,066	1908-10, 1915-68
Sowers Creek near Duchesne, Ut (d)	09288900	40.6	1964-86
Antelope Creek near Myton, Ut (d)	09289000	a198	1918-21
Brown Duck Creek near Mountain Home, Ut (d)	09290000	a15	1933-34, 1943-55
Lake Fork River below Taskeech Damsite near Mt Home, Ut (d)	09291200	138	1977-84
Yellowstone Creek below Swift Creek near Altonah, Ut (d)	09291500	a99	1950-55
Yellowstone River at mouth near Altonah, Ut (d)	09293000	142	1943-44, 1976-81
Lake Fork River (below Forks) near Altonah, Ut (d)	09293500	304	1904, 1907-10, 1917-20, 1976-81
Lake Fork River at Hwy 87 near Altamont, Ut (d)	09293600	318	1976-81
Pigeon Water Creek near Altamont, Ut (d)	09293700	95.5	1976-79
Lake Fork River near Upalco, Ut (d)	09294000	427	1943-55, 1976-81
Lake Fork (Creek) near Myton, Ut (d)	09294500	484	1900-03, 1907-36, 1976-81
Uinta River below Gilbert Creek near Neola, Ut (d)	09295500	a33	1951-55
Uinta River above Clover Creek near Neola, Ut (d)	09296000	132	1946-55
Clover Creek near Neola, Ut (d)	09296500	a9.5	1950-55
Uinta River near Neola, Ut (d)	09297000	163	1922-27, 1930-83
Uinta River near Whiterocks, Ut (d)	09297500	218	1899-1903, 1907-10, 1917-20
West Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297600	216	1976-81
East Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297700	215	1977-81
East Channel Uinta River at County Road Bridge near Whiterocks, Ut (d)	09297800	253	1976-81
East Channel Uinta River at LaPoint Road near LaPoint, Ut (d)	09297900	382	1976-82
Farm Creek near Whiterocks, Ut (d)	09298000	14.9	1950-81
Whiterocks River above Paradise Creek near Whiterocks, Ut (d)	09298500	a90	1946-55
Paradise Creek near Whiterocks, Ut (d)	09299000	a10	1946-55
Whiterocks River below damsite near Whiterocks, Ut (d)	09299400	110	1976-81
Whiterocks River below Farm Creek Canal near Whiterocks, Ut (d)	09299600	120	1976-81
Whiterocks River 1 Mile East of Whiterocks, Ut (d)	09299700	124	1976-81
Deep Creek at State Hwy 246 near LaPoint, Ut (d)	09299900	72.2	1976-79
Deep Creek near LaPoint, Ut (d)	09300000	a75	1943-45, 1950-55
Uinta River at Fort Duchesne, Ut (d)	09300500	557	1899-1904, 1907-10, 1917-20, 1943-58, 1976-81
Dry Gulch near Neola, Ut (d)	09301000	a67	1951-58
Dry Gulch near Fort Duchesne, Ut (d)	09301200	469	1976-81
Uinta River at Randlett, Ut (d)	09301500	1,064	1899-1904, 1976-81
WHITE RIVER BASIN			
White River near Colorado State Line, Ut (d)	09306395	3,680	1977-86
White River above Hells Hole Canyon near Watson, Ut (d)	09306400	a3,700	1974-76
Hells Hole Canyon Creek at mouth near Watson, Ut (d)	09306405	24.5	1975-83
Evacuation Creek above Missouri Creek near Dragon, Ut (d)	09306410	100	1975-83
Evacuation Creek below Park Canyon near Watson, Ut (d)	09306415	246	1975-76
Thimble Rock Canyon near Watson, Ut (d)	09306417	1.7	1975-76

DISCONTINUTED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
WHITE RIVER BASIN--Continued			
Evacuation Creek at Watson, Ut (d)	09306420	259	1975-75
Evacuation Creek Tributary near Watson, Ut (d)	09306425	12.4	1974-76
Evacuation Creek near mouth near Watson, Ut (d)	09306430	284	1975-81
White River below Southam Canyon near Watson, Ut (d)	09306600	a4,030	1975-76
Southam Canyon Wash near Watson, Ut (d)	09306605	2.5	1974-76
Southam Canyon Wash at mouth near Watson, Ut (d)	09306610	8.3	1974-76
Asphalt Wash below Center Fork near Watson, Ut (d)	09306620	94.4	1975-76
Asphalt Wash near mouth near Watson, Ut (d)	09306625	97.5	1974-83
White River below Asphalt Wash near Watson, Ut (d)	09306700	a4,130	1974-77
Bitter Creek above Dick Canyon near Watson, Ut (d)	09306740	11.7	1975-78
Sweetwater Canyon below South Canyon near Watson, Ut (d)	09306760	22.6	1975-78
Sweetwater Canyon Creek near mouth near Watson, Ut (d)	09306780	124	1975-78
Bitter Creek near Bonanza, Ut (d)	09306800	324	1971-89
Bitter Creek at mouth near Bonanza, Ut (d)	09306850	398	1975-83
Sand Wash near Ouray, Ut (d)	09306870	59.7	1975-81
Sand Wash at mouth near Ouray, Ut (d)	09306872	71.1	1977-81
Coyote Wash near mouth near Ouray, Ut (d)	09306878	228	1977-83
North Wash near Ouray, Ut (d)	09306880	11.0	1980-81
Cottonwood Wash near mouth near Ouray, Ut (d)	09306885	70.6	1977-81
White River at mouth near Ouray, Ut (d)	09306900	5,120	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER			
Green River near Ouray, Ut (d)	09307000	a35,500	1948-66
Pariette Draw near Ouray, Ut (d)	09307200	153	1976-84
Combined Flow Pariette Draw at mouth and Lambs Div (d)	09307290		1978-80
Lamb Diversion from Pariette Draw near Ouray, Ut (d)	09307295	---	1978-82
Pariette Draw at mouth near Ouray, Ut (d)	09307300	298	1975-84
Willow Creek above diversions near Ouray, Ut (d)	09307500	297	1951-55 1958-70 1975-83
Hill Creek above Towave Reservoir near Ouray, Ut (d)	09307800	89.7	1975-81
Hill Creek near mouth near Ouray, Ut (d)	09307900	288	1975-81
Willow Creek near Ouray, Ut (d)	09308000	897	1948-55 1975-83
Minnie Maud Creek near Myton, Ut (d)	09308500	32.0	1950-55 1957-89
Minnie Maud Creek at Nutter Ranch near Myton, Ut (d)	09309000	231	1948-55
PRICE RIVER BASIN			
Fairview Ditch near Fairview, Ut (d)	09309500	---	1950-65
Gooseberry Creek near Fairview, Ut (d)	09309800	a7.51	1960-69
Boardinghouse Creek at mouth near Scofield (d)	09310575	2.04	1983-84
Eccles Canyon near Scofield, Ut (d)	09310600	5.5	1980-84
Price River near Scofield, Ut (d)	09311500	a155	1918-21 1925-31 1939-69 1979-80
Price River near Soldier Summit, Ut (d)	09311700	a180	1962-63
North Fork White River near Soldier Summit, Ut (d)	09312000	23.3	1942-47
White River near Soldier Summit, Ut (d)	09312500	52.8	1938-67
Beaver Creek near Soldier Summit, Ut (d)	09312700	26.1	1961-89
Willow Creek near Castle Gate, Ut (d)	09312800	62.8	1963-89
Willow Creek at Castle Gate, Ut (d)	09312900	77.4	1980-81
Spring Canyon below Sowbelly Gulch at Helper, Ut (d)	09313040	23.0	1979-81
Price River near Helper, Ut (d)	09313500	a530	1904-34
Coal Creek near Helper, Ut (d)	09313965	25.3	1978-81
Soldier Creek below Mine near Wellington, Ut (d)	09313975	17.7	1978-84
Dugout Creek near Sunnyside, Ut (d)	09313985	5.8	1980-81
Price River near Wellington, Ut (d)	09314000	853	1950-58
Price River below Miller Creek near Wellington, Ut (d)	09314250	956	1972-86
Desert Seep Wash near Wellington, Ut (d)	09314280	191	1972-86
Grassy Trail Creek at Sunnyside, Ut (d)	09314340	40.1	1978-85
Horse Canyon near Sunnyside, Ut (d)	09314374	12.5	1978-81
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER			
Saleratus Wash at Green River, Ut (d)	09315500	a180	1949-70
Browns Wash near Green River, Ut (d)	09316000	a75	1950-68
Floy Wash near Green Riv, Ut (d)	09316100	56.6	1983-86
Boulger Creek near Fairview, Ut (d)	09317000	a1.9	1938-40 1942-49
Candland Ditch near Mt Pleasant, Ut (d)	09317500	---	1950-58
Crandall Canyon at mouth near Huntington, Ut (d)	09317919	5.70	1978-84
Tie Fork Canyon near Huntington, Ut (d)	09317920	11.7	1978-81
Huntington Creek near Huntington, Ut (d)	09318000	187	1909-79
Huntington Creek near Castle Dale, Ut (d)	09318500	325	1911-17 1919-21
Horseshoe Tunnel near Ephraim, Ut (d)	09320000	---	1950-58
Larsen Tunnel near Ephraim, Ut (d)	09320500	---	1949-58
Coal Fork Ditch near Mount Pleasant, Ut (d)	09321000	---	1950-58 1976
Twin Creek Tunnel near Mount Pleasant, Ut (d)	09321500	---	1950-58
Black Canyon Ditch near Spring City, Ut (d)	09322000	---	1950-58
Cedar Creek Tunnel near Spring City, Ut (d)	09322500	---	1950-58
Reeder Ditch near Spring City, Ut (d)	09323500	---	1950-58
Seely Creek near Orangeville, Ut (d)	09324000	a150	1954-57
Cottonwood Creek above Straight Canyon near Orangeville, Ut (d)	09324200	21.9	1978-81
Cottonwood Creek near Orangeville, Ut (d)	09324500	208	1910-27 1933-70 1975-85
Cottonwood Creek near Castle Dale, Ut (d)	09325000	261	1947-58
San Rafael River Above Ferron Creek near Castle Dale, Ut (d)	09325100	a680	1965-70
John August Ditch near Ephraim, Ut (d)	09325500	---	1949-58
Madsen Ditch near Ephraim, Ut (d)	09326000	---	1950-58
Ferron Creek near Ferron, Ut (d)	09327000	159	1909-11

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER--Continued			
Ferron Creek near Castle Dale, Ut (d)	09327500	a210	1912-14, 1948-58
Ferron Creek below Paradise Ranch near Clawson, Ut (d)	09327550	221	1976-86
San Rafael River near Castle Dale, Ut (d)	09328000	930	1948-64, 1972-86
San Rafael River at San Rafael Bridge Campground, near Castle Dale, Ut (d)	09328100	1,284	1975-86
Crescent Wash Reservoir, Ut (e)	09328870	19.0	1954-57
DIRTY DEVIL RIVER BASIN			
Fremont River Below Fish Lake near Fremont, Ut (d)	09329000	a27	1939-45
Fremont River near Fremont, Ut (d)	09329500	205	1949-58
Pine Creek near Bicknell, Ut (d)	09329900	104	1965-80
Pleasant Creek near Caineville Ut (d)	09330210	115	1969-72
Muddy Creek (Lower Station) near Emery, Ut (d)	09331000	114	1911-14
Ivie Creek above diversions near Emery, Ut (d)	09331500	a50	1951-61
Convulsion Canyon near Emery, Ut (d)	09331850	21.6	1981-84
Quitchupah Creek near Emery, Ut (d)	09331900	104	1978-81
Christiansen Wash near Emery, Ut (d)	09331950	13.6	1978-84
Muddy Creek below I-70 near Emery, Ut (d)	09332100	418	1973-86
Muddy Creek below Ivie Creek near Emery, Ut (d)	09332500	a440	1950-61
Muddy Creek at Delta Mine near Hanksville, Ut (d)	09332700	841	1975-86
Muddy Creek at mouth near Hanksville, Ut (d)	09332800	1,552	1976-80
Dirty Devil River near Hanksville, Ut (d)	09333000	a3,490	1946-48
North Wash near Hanksville, Ut (d)	09334000	136	1951-70
White Canyon near Hanksville (Hite), Ut (d)	09334500	276	1951-70
Colorado River at Hite, Ut (d)	09335000	a76,600	1948-58
ESCALANTE RIVER BASIN			
North Creek near Escalante, Ut (d)	09335500	a90	1950-55
Birch Creek near Escalante, Ut (d)	09336000	a36	1950-51
Birch Creek at mouth near Escalante, Ut (d)	09336500	a100	1952-55
East Fork Boulder Creek near Boulder, Ut (d)	09338000	21.4	1951-55, 1958-72
East Fork Deer Creek near Boulder, Ut (d)	09338500	a1.9	1950-55
Boulder Creek (below Deer Creek) near Boulder, Ut (d)	09339000	a175	1950-55
Escalante River at mouth near Escalante, Ut (d)	09339500	a1,770	1951-55
SAN JUAN RIVER BASIN			
McElmo Creek near Bluff, Ut (d)	09372200		1981-82
Spring Creek above diversions near Monticello, Ut (d)	09376900	4.95	1966-72
Davenport and Campbell Canal near Monticello, Ut (d)	09377500	---	1914-16
Spring (Vaga) Creek near Monticello, Ut (d)	09377000	a8.5	1914-16
Green Canal near Monticello, Ut (d)	09378000	---	1914-16
North Creek above Ranger Station near Monticello, Ut (d)	09378100	8.68	1980-85
Cottonwood Wash near Blanding, Ut (d)	09378700	205	1965-87
Comb Wash near Bluff, Ut (d)	09379000	278	1959-68
Colorado plus Green plus San Juan (temp) (d)	09379505		1928-84
COLORADO RIVER TRIBUTARIES BELOW GLEN CANYON DAM			
Henrieville Creek near Henrieville, Ut (d)	09381000	a29	1950-55
Paria River near Cannonville, Ut (d)	09381500	a220	1951-55
Mill Creek above study area near Glendale, Ut (d)	09403620	4.81	1976-77
Skutumpah Creek below study area near Glendale, Ut (d)	09403630	16.0	1976-77
Intermediate Drainage near Glendale, Ut (d)	09403640	2.49	1976-77
Thompson Creek above study area near Glendale, Ut (d)	09403650	9.80	1976-77
Thompson Creek below study area near Glendale, Ut (d)	09403660	16.6	1976-77
VIRGIN RIVER BASIN			
Crystal Creek near Cedar City, Ut (d)	09405300	10.2	1957-61
North Fork Virgin River near Glendale, Ut (d)	09405400	5.65	1973-78
North Fork Virgin River below Bulloch Canyon near Glendale, Ut (d)	09405420	29.6	1975-84
North Fork Virgin River above Zion Narrows near Glendale, Ut (d)	09405450	45.5	1979-84
Springdale Canal near Springdale, Ut (d)	09405499	---	1969-89
LaVerkin Creek near LaVerkin, Ut (d)	09406150	91.3	1984-91
Kanarra Creek at Kanarraville, Ut (d)	09406300	9.85	1960-82
Ash Creek near New Harmony, Ut (d)	09406500	a135	1939-48
Ash Creek Reservoir near New Harmony, Ut (e)	09406600	---	1973-82
South Ash Creek below Mill Creek near Pintura, Ut (d)	09406700	11.0	1966-82
Ash Creek above Toquerville, Ut (d)	09407000	201	1941-42, 1984-91
West Field Ditch at Toquerville, Ut (d)	09407150		1973-82
Ash Creek below West Field Ditch at Toquerville, Ut (d)	09407200	201	1973-82
Ash Creek below diversion dam at Toquerville, Ut (d)	09407201		1973-82
Ash Creek near Toquerville, Ut (d)	09407600	213	1956-58
Ash Creek near LaVerkin, Ut (d)	09407800	215	1957-58
Virgin River near Hurricane, Ut (d)	09408150	1,499	1967-89
Fort Pierce Wash near St. George, Ut (d)	09408195	1,349	1985-89
Santa Clara River near Central, Ut (d)	09409000	a97	1909-30, 1939-61
Moody Wash near Veyo, Ut (d)	09409500	a33	1939-42, 1955-69
Santa Clara River above Winsor Dam near Santa Clara, Ut (d)	09410000	338	1942-71
Santa Clara River near Santa Clara, Ut (d)	09410400	410	1965-74
Santa Clara River (Creek) near St. George, Ut (d)	09412500	502	1909-13
Virgin River near St. George, Ut (d)	09413500	3,961	1951-57
THE GREAT BASIN			
Great Salt Lake at Promontory Point, Ut (e)	10010050	---	1975-82
Great Salt Lake at AIC near Syracuse, Ut (e)	10010300	---	1975-82

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN			
East Fork Bear River near Evanston, Wy (d)	10010400	34.6	1974-86
Hilliard East Fork Canal near State Line near Evanston, Wy (d)	10010500	---	1944-47, 1953-56
West Fork Bear River at Whitney Dam, near Oakley, Ut (d)	10011200	a7.5	1964-86
West Fork Bear River below Deer Creek near Evanston, Wy (d)	10011400	52.2	1974-86
Mill Creek at Utah-Wyoming State Line (d)	10012000	a59	1950-62
Mill Creek near Evanston, Wy (d)	10012500	60.6	1942-48
Bear River above Sulphur Creek near Evanston, Wy (d)	10014000	282	1946-56
Sulphur Creek near Evanston, Wy (d)	10016000	80.5	1942-59
Bear River at Millis, near Evanston, Wy (d)	10016500	a420	1942-46
Yellow Creek near Evanston Wy (d)	10017000	a80	1943-45, 1950-78
Coyote Creek near Evanston, Wy (d)	10017500	a28	1942-45
Bear River near Evanston, Wy (d)	10019000	715	1913-56
Chapman Canal at State Line near Evanston, Wy (d)	10019500	---	1942-86
Bear River near Woodruff, Ut (d)	10020500	a870	1943-61
Woodruff Creek below reservoir near Woodruff, Ut (d)	10020900	50.0	1971-86
Woodruff Creek near Woodruff, Ut (d)	10021000	a65	1938-43, 1950-75
Birch Creek near Woodruff, Ut (d)	10021500	a17	1949-56
Randolph Creek near Randolph, Ut (d)	10024000	30.3	
Otter Creek near Randolph, Ut (d)	10025000	36.2	1939-44
Rock Creek near Fossil, Wy (d)	10026800	49.0	1961-66
Twin Creek at Sage, Wy (d)	10027000	246	1946-62
Bear River below Pixley Dam near Cokeville, Wy (d)	10028500	2,032	1941-43, 1952-56, 1958
Bear River above Sublette Creek near Cokeville, Wy (d)	10029500	a2,110	1948-55
Smiths Fork above Hobble Creek near Geneva, Id (d)	10031000	---	1944-46
Hobble Creek near Geneva, Id (d)	10031500	86.1	1943-46
Coal (Howland) Creek near Cokeville, Wy (d)	10032500	---	1944-48, 1953-56
Muddy Creek above Mill Creek near Cokeville, Wy (d)	10032700	20.7	1964-69
Mill Creek near Cokeville, Wy (d)	10032800	8.07	1965-69
Grade Creek near Cokeville, Wy (d)	10033000	---	1944-48
Pine Creek above Diversions near Cokeville, Wy (d)	10033500	---	1944-48, 1953-56
Pine Creek above Covey Canal near Cokeville, Wy (d)	10034500	---	1944-48, 1953-56
Smiths Fork at Cokeville, Wy (d)	10035000	275	1942-52
Spring Creek to Collette Creek near Cokeville, Wy (d)	10036000	---	1944-45, 1953-56
Birch Creek near Cokeville, Wy (d)	10036500	---	1944-45
Hickman Canal near Cokeville, Wy (d)	10037000	---	1944-48
George Bourne Canal near Cokeville, Wy (d)	10037500	---	1944-48
Thomas Fork near Geneva, Id (d)	10040000	45.3	1939-51
Salt Creek near Geneva, Id (d)	10040500	37.6	1939-51
Thomas Fork above Diversions near Geneva, Id (d)	10041500	---	1944-46
Thomas Fork near Raymond, Id (d)	10042500	202	1942-52
Bear River at Harer, Id (d)	10044000	2,839	1913-86
Dingle Inlet Canal near Dingle, Id (d)	10044300	---	1911-85
Bear River at Dingle, Id (d)	10044500	a2,810	1903-14
Montpelier Creek near Montpelier, Id (d)	10047000	28.2	1939-44
Montpelier Creek below Dvrsns at Montpelier, Id (d)	10048500	---	1944-47
St. Charles Creek above Diversions near St. Charles, Id (d)	10054600	17.4	1944-45, 1961-66
Bloomington Creek near Bloomington, Id (d)	10058500	22.1	1942-47
Bloomington Creek at Bloomington, Id (d)	10058600	24.0	1960-86
Paris Power Canal near Paris, Id (d)	10060000	---	1943-47
Paris Creek near Paris, Id (d)	10060500	18.6	1943-47
Slight Canyon Creek near Paris, Id (d)	10062000	6.81	1943-45
Mill Creek above West Fork near Liberty, Id (d)	10062500	18.4	1944-47
Mill Creek near Liberty, Id (d)	10063000	27.2	1943-47
Bear River at Pescadero, Id (d)	10068500	3,705	1921-54
Georgetown Creek near Georgetown, Id (d)	10069000	22.2	1911-14, 1939-56
Georgetown Creek below diversions at Georgetown, Id (d)	10070500	---	1944-47
Skinner Creek at Nounan, Id (d)	10071500	5.41	1939-45
Stauffer Creek near Nounan, Id (d)	10072000	---	1939-44
Eightmile Creek near Soda Springs, Id (d)	10072800	22.6	1960-86
Eightmile Creek below Diversions near Soda Springs, Id (d)	10073500	31.0	1944-47
Bear River at Soda Springs, Id (d)	10075000	3,972	1896-98, 1925-44, 1944-49, 1953
Soda Creek at Fivemile Meadow near Soda Springs, Id (d)	10076400	a49	1964-86
Soda Creek at Lau Ranch near Soda Springs, Id (d)	10076500	a49	1923-26
Soda Creek near Soda Springs, Id (d)	10077000	54.6	1913-26, 1928-29
Soda Creek below Diversions at Soda Springs, Id (d)	10078000	---	1945-47
Treasureton Canal near Swan Lake, Id (d)	10083500	---	1939-46
Cottonwood Creek near Swan Lake, Id (d)	10084000	42.6	1939-46
Cottonwood Creek near Cleveland, Id (d)	10084500	61.7	1938-86
Mink Creek Canal near Mink Creek, Id (d)	10087000	---	1949-52
Mink Creek below Dry Fork near Mink Creek, Id (d)	10087500	19.3	1947-52, 1955-62
Twin Lakes Canal near Mink Creek, Id (d)	10088000	---	1943-52
Preston Riverdale and Mink Creek Canal near Mink Creek, Id (d)	10088500	---	1943-52
Mink Creek near Mink Creek, Id (d)	10089500	58.7	1943-52
Bear River near Preston (at Battlecreek), Id (d)	10090500	4,545	1889-19, 1944-45, 1981-86
Deep Creek near Clifton, Id (d)	10091200	107	1966-78
Bear River near Weston, Id (d)	10091500	4,880	1919-44
Weston Creek at Weston, Id (d)	10092000	a63	1942-44
Cub River Irrigation Company Pump Canal near Weston, Id (d)	10092500	---	1934-44
Cub River near Preston, Id (d)	10093000	19.4	1940-52, 1955-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
Cub River-Worm Creek Canal near Preston, Id (d)	10094000	---	1943-52
Preston-Whitney Canal near Preston, Id (d)	10095000	---	1944-45, 1946-52
Cub River Canal near Preston, Id (d)	10095500	---	1944-52
East Branch Cub River Canal near Lewiston, Ut (d)	10095900	---	1962-63
Cub River above Maple Creek near Franklin, Id (d)	10096000	53.7	1940-52
Maple Creek near Franklin, Id (d)	10096500	21.2	1946-52
Worm Creek near Preston, Id (d)	10098500	11.0	1943-46
High Creek near Richmond, Ut (d)	10099000	16.2	1944-52, 1971-72, 1978-89
Cub River near Richmond, Ut (d)	10102200	a200	1962-63
Summit Creek above diversions near Smithfield, Ut (d)	10102300	11.6	1944-45, 1961-79
Birch Creek at mouth near Smithfield, Ut (d)	10103000	---	1944-45
South Fork Little Bear River near Avon, Ut (d)	10104600	26.0	1966-74
East Fork Little Bear River above Reservoir near Avon, Ut (d)	10104900	56.7	1964-86
East Fork Little Bear River (below Pole Creek) near Avon, Ut (d)	10105000	49.7	1938-50
East Fork Little Bear Riv below Pole Creek near Avon, Ut (d)	10105500	a67	1927-30
Little Bear River near Paradise, Ut (d)	10106000	203	1937-86
Hyrum Reservoir near Hyrum, Ut (e)	10107000	220	1938-80
Little Bear River near Hyrum, Ut (d)	10107500	222	1938-74
Little Bear River at Wellsville, Ut (d)	10107600	245	1966-68
Utah Power and Light Tailrace near Logan, Ut (d)	10108000	---	1913-70
Logan, Hyde Park and Smithfield Canal near Logan, Ut (d)	10108500	---	1904-07, 1909-10, 1912-64
Logan River near Logan, Ut (d)	10109500	---	1896-1912
Logan Northern Canal near Logan, Ut (d)	10110500	---	1913-16, 1944-45
Logan River below Logan Northern Canal near Logan, Ut (d)	10111000	---	1915-17
Blacksmith Fork at Hardware Ranch near Hyrum, Ut (d)	10112000	a130	1944-50
Blacksmith Fork at Municipal Powerplant near Hyrum, Ut (d)	10112500	153	1929-35
Hyrum City Power Canal near Hyrum, Ut (d) (Blacksmith Fork Municipal Powerplant Race)	10113000	---	1904-10, 1914-17
Blacksmith Fork at U P & L Plant near Hyrum, Ut (d)	10114000	---	1914-16
Blacksmith Fork below U P & L Plant near Hyrum, Ut (d) (Blacksmith Fork at Hyrum)	10114500	286	1900-02, 1904-10, 1914-16
Logan River below Blacksmith Fork near Logan, Ut (d)	10115200	524	1964-80
Clarkston Creek near Newton, Ut (d)	10115500	a43	1939-47
Cutler Reservoir at Cache Junction, Ut (e)	10116000	---	1944-50
West Canal above Salt Creek diversion near Tremonton, Ut (d)	10117510	---	1980-84, 1986
West Canal below Salt Creek diversion near Tremonton, Ut (d)	10117530	---	1980-84, 1986
Malad River below Springs near Malad City, Id (d)	10118200	a3.3	1931-32, 1940-47
Warm Springs Canal near Samaria, Id (d)	10118300	---	1940-45
Malad River near Samaria, Id (d)	10118400	a31	1941-45
Little Malad River above Elkhorn Reservoir near Malad, Id (d)	10119000	a120	1911-13
Elkhorn Reservoir near Malad City (near Malad), Id (e)	10119500	153	1940-53
Little Malad River below Elkhorn Reservoir near Malad, Id (d)	10120000	153	1940-53
Little Malad River below Sand Ridge Dam near Malad, Id (d)	10120500	223	1945-51
Devil Creek above Campbell Creek near Malad City, Id (d)	10122500	a13	1938-61
Devil Creek above Evans Dividers near Malad City, Id (d)	10123000	a36	1940-43, 1946-53
Devil Creek near Malad City (near Malad), Idaho (d)	10123500	a39	1931-40
Deep Creek below First Creek near Malad City, Id (d)	10125000	a32	1931-48
Malad River at Woodruff, Id (d)	10125500	a485	1938-82
Malad River near Plymouth, Ut (d)	10125600	a632	1964-80
Bear River Duck Club near Bear River City, Ut (d)	10125700	---	1964-73
Malad River below Bear River Duck Club Canal near Bear River City, Ut (d)	10125800	a698	1964-74
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER			
Sulphur Creek near Corrinne, Ut (d)	10126180	15.4	1972-86
Box Elder Creek at Mantua, Ut (d)	10126400	14.0	1960-63
Box Elder Creek near Brigham City, Ut (d)	10126500	33.4	1918-21
Box Elder Creek at Brigham City, Ut (d)	10127000	34.2	1909-12
Salt Spring near Tremonton, Ut (d)	10127040	---	1979-86
Salt Creek below Salt Spring near Tremonton, Ut (d)	10127050	---	1979-86
Black Slough near Brigham City, Ut (d)	10127100	31.1	1972-86
Highway 83 Culverts (d)	10127107	---	1980-86
Sulphur Creek & Black Slough (d)	10127108		1980-86
Culverts & Sulphur Creek & Black Slough (d)	10127109		1980-86
Bear River Basin outflow across State Hwy 83 near Corinne, Ut (d)	10127110	---	1972-86
WEBER RIVER BASIN			
Smith and Morehouse Creek near Oakley, Ut (d)	10128000	33.8	1947, 1976-86
South Fork Weber River near Oakley, Ut (d)	10128200	a16	1965-74
Weber Provo Diversion Canal at Oakley, Ut (d)	10129000	---	1931-69
Weber River near Peoa, Ut (d)	10129300	296	1957-77
Crandall Creek near Peoa, Ut (d)	10129350	11.8	1963-73
East Fork Chalk Creek near Coalville, Ut (d)	10130700	a35	1965-74
Lost Creek at Croydon, Ut (d)	10132900	a220	1966-67
Lost Creek at Devils Slide (near Croydon), Ut (d)	10133000	223	1905, 1921-33
Weber River at Devils Slide, Ut (d)	10133500	1,192	1905-55
Threemile Creek near Park City, Ut (d)	10133700	2.68	1964-74, 1982-84
East Canyon Creek near Park City, Ut (d)	10133900	68.9	1982-84
Hardscrabble Creek near Porterville, Ut (d)	10135000	28.0	1937-40, 1941-70
East Canyon Creek below diversions near Morgan, Ut (d)	10135500	---	1951-55
Weber River near Morgan, Ut (d)	10136000	a1,500	1951-55
Weber River at Ogden, Ut (d)	10137000	a1,670	1951-58
Causey Reservoir near Huntsville, Ut (e)	10137290	92.2	1966-68

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
WEBER RIVER BASIN--CONTINUED			
South Fork Ogden River below Causey Dam near Huntsville, Ut (d)	10137300	92.3	1966-67
South Fork Ogden River at Huntsville, Ut (d)	10137600	a170	1937-57
			1959-65
North Fork Ogden River near Eden, Ut (d)	10137680	6.03	1964-74
North Fork River near Huntsville, Ut (d)	10137700	61.4	1960-65
Middle Fork Ogden River above diversion near Huntsville, Ut (d)	10137780	31.3	1964-74
Middle Fork Ogden River at Huntsville, Ut (d)	10137800	32.9	1958-65
Spring Creek at Huntsville, Ut (d)	10137900	a7.2	1958-65
Ogden River near Ogden, Ut (d)	10139500	321	1904-12
			1931-59
Ogden River below Pineview Dam near Ogden, Ut (d)	10140000	321	1937-59
Ogden River at Powder Mill near Ogden, Ut (d)	10140500	a360	1889-90
			1897-98
Willard Bay Reservoir near Plain City, Ut (e)	10140800	---	1965-81
Hooper Slough near Hooper, Ut (d)	10141040	13.0	1975-83
South Fork Weber Canal near Hooper, Ut (d)	10141050	---	1972-76
South Fork Weber River near Hooper, Ut (d)	10141100		1972-75
Middle Fork Weber River near Hooper, Ut (d)	10141150	---	1971-75
North Fork Weber River near Hooper, Ut (d)	10141200	---	1971-75
TRIBUTARIES TO GREAT SALT LAKE BETWEEN WEBER RIVER AND JORDAN RIVER			
Storm Drain at 1700 N. 475 W., Sunset, Ut (d)	10141395	0.28	1948-83
Howard Slough at Hooper, Ut (d)	10141400		1952-55
			1972-84
Holmes Creek near Kaysville, Ut (d)	10141500	2.49	1951-66
Farmington Creek above div near Farmington, Ut (d)	10142000	10.0	1950-71
Ricks Creeks above diversions, near Centerville, Ut (d)	10142500	2.35	1951-66
Parrish Creek above diversions near Centerville, Ut (d)	10143000	2.08	1950-68
Centerville Creek above diversions near Centerville, Ut (d)	10143500	3.15	1950-80
Stone Creek above diversions near Bountiful, Ut (d)	10144000	4.48	1951-66
Mill Creek at Mueller Park near Bountiful, Ut (d)	10145000	8.88	1951-68
Storm Drain east of Orchard Drive at Bountiful, Ut (d)	10145125	0.80	1949-83
Storm Drain to Mill Creek, 620 S. 200 W., Bountiful, Ut (d)	10145126	0.28	1949-83
JORDAN RIVER BASIN			
Salt Creek near Nephi, Ut (d)	10145500	a95	1925-38
Salt Creek at Nephi, Ut (d)	10146000	95.6	1951-80
Currant Creek near Goshen, Ut (d)	10146500	303	1954-60
Summit Creek near Santaquin, Ut (d)	10147000	19.2	1911-16
		14.6	1955-66
Payson Creek above diversions, near Payson, Ut (d)	10147500	18.8	1948-62
Payson Creek (Peteetneet) Creek near Payson, Ut (d)	10148000	25.6	1910-16
Nebo Creek near Thistle, Ut (d)	10148400	36.7	1964-73
Spanish Fork at Thistle, Ut (d)	10148500	450	1908-25
			1932-74
Diamond Fork near Thistle, Ut (d)	10150000	141	1908-17
			1940-55
U.S. Bureau of Reclamation Power Canal near Spanish Fk, Ut (d)	10151000	---	1909-17
Spanish Fork near Spanish Fork, Ut (d)	10151500	a670	1909-17
Spanish Fork near Lakeshore, Ut (d)	10152000	675	1904-07
			1909-25
			1938-88
Spanish Fork at mouth near Lake Shore, Ut (d)	10152001		1978-82
Hobble Creek near Springville, Ut (d)	10152500	105	1904-16
			1945-74
Maple Creek near Mapleton, Ut (d)	10152700	3.13	1965-72
Maple Creek near Springville, Ut (d)	10153000	10.8	1912-13
Provo River near Kamas, Ut (d)	10153500	29.6	1950-69
Shingle Creek near Kamas, Ut (d)	10154000	a8.4	1963-73
Snake Creek near Charleston, Ut (d)	10156000	38.6	1938-50
Round Valley Creek near Wallsburg, Ut (d)	10158500	71.9	1938-50
Deer Creek near Wildwood, Ut (d)	10160000	a26	1939-50
Provo River near Wildwood, Ut (d)	10160500	574	1939-49
North Fork Provo River at Wildwood, Ut (d)	10160800	12.3	1965-74
Provo River at Vivian Park, Ut (d)	10161000	598	1912-63
South Fork Provo River at Vivian Park, Ut (d)	10161500	33.4	1912-62
Provo River above Telluride Power Co Dam near Provo, Ut (d)	10162000	a640	1905-11
Provo River at mouth of canyon near Provo, Ut (d)	10162500	a640	1889-1906
Rock Creek Overflow east of Hwy 189 near Provo, Ut (d)	10162850	0.66	1948-83
South Fork of American Fork near American Fk, Ut (d)	10164000	8.87	1912-14
American Fork (River) near American Fork, Ut (d)	10165000	a66	1889-90
			1897
			1900-01
			1903-05
Dry Creek near Alpine, Ut (d)	10165500	9.82	1948-55
Fort Creek at Alpine, Ut (d)	10166000	6.55	1947-55
Utah Lake near Lehi (at Geneva) (near Span Fk), Ut (e)	10166500	2,965	1883-1960
Jordan River Station No. 1 at Narrows, Ut (d)	10167001		1980-83
East Jordan Canal at Jordan Narrows near Bluffdale, Ut (d)	10167100	---	1980-83
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut (US) (d)	10167105	---	1980-82
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut (DS) (d)	10167106	---	1980-82
East Jordan Canal at pumphouse at 6200 So near Murray, Ut (d)	10167115	---	1980-82
Upper Canal at 5800 South (Tolcate Ln) near Murray, Ut (d)	10167122		1980-82
Upper Canal at Wild Rose Ln near Salt Lake City, Ut (d)	10167125		1980-82
Upper Canal at Mill Creek (2000 East) near Salt Lake City, Ut (d)	10167127		1980-81
Jordan & Salt Lake Canal at Little Cottonwood Creek near SLC, Ut (US) (d)	10167141	---	1980-82
Jordan & Salt Lake Canal at Little Cottonwood Creek near SLC, Ut (DS) (d)	10167142	---	1980-82
Jordan & Salt Lake Canal at Big Cottonwood Creek near Murray, Ut (US) (d)	10167145	---	1980-81
Jordan & Salt Lake Canal at Big Cottonwood Creek near Murray, Ut (DS) (d)	10167146	---	1980-81
Jordan & Salt Lake Canal at Mill Creek near Salt Lake City, Ut (US) (d)	10167147	---	1980-82
Jordan & Salt Lake Canal at Mill Creek near Salt Lake City, Ut (DS) (d)	10167148	---	1980-82
Jordan & Salt Lake Canal at Zenith Ave near Salt Lake City, Ut (d)	10167149	---	1980-81
Utah & Salt Lake Canal at Jordan Narrows near Bluffdale, Ut (d)	10167160	---	1980-83
Jordan River at 9400 South near South Jordan, Ut (d)	10167200	q3,130	1965-67
Bells Canyon Conduit 1000 East 110000 South (d)	10167220	---	1948-81
			1982-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
Jordan River at 90th South near Midvale, Ut (d)	10167230	q3,130	1980-84 1986-89
90th South Conduit at Jordan River near Midvale, Ut (d)	10167240		1980-84
I-215 Median Drain at Jordan River near Murray, Ut (d)	10167242	0.20	1948-83 1984-86
Jordan River at 5800 South near SLC, Ut (d)	10167300	q3,254	1965-68 1980-85
Little Cottonwood Creek (channel) near SLC, Ut (d)	10167499		1980-88
Little Cottonwood Creek near Salt Lake City, Ut (d)	10167500	27.4	1898-99 1904-68 1980
Little Cottonwood Creek at 2050 East near SLC, Ut (d)	10167700	35.2	1963-67 1979-81 1983-87
Little Cottonwood Creek at Crestwood Park at SLC, Ut(d)	10167800	---	1987-89
Little Cottonwood Creek at Jordan River near SLC, Ut (d)	10168000		1980-84 1987-88
Big Cottonwood Creek (Cottonwood Creek) near SLC, Ut (d)	10168500	50.0	1898-1967
Big Cottonwood Creek at 5550 South near SLC, Ut (d)	10168800	57.3	1964-68 1980-89
Neffs Creek above Wasatch Boulevard near SLC, Ut (d)	10168832	---	1984-86
Spring Run at 9th East & 48th So near Murray, Ut (d)	10169000	---	1933-35
Big Cottonwood Creek at Jordan River near SLC, Ut (d) (at 2nd West near Murray, Ut)	10169500	a78	1933-35 1980-82 1987-88
Mill Creek above Elbow Fork near Salt Lake City, Ut (d)	10169800	7.7	1964-68
Mill Creek near Salt Lake City, Ut (d)	10170000	21.7	1964-68 1980
Boundry Springs near Salt Lake City, Ut (d)	10170001	---	1963-67
Mill Creek at 2200 East near SLC, Ut (d)	10170200	22.6	1963-67
Mill Creek at Jordan River near SLC, Ut (d)	10170250	a32	1984 1986-88
Combined flow Jordan River and Surplus Canal at SLC, Ut (d)	10170490		1943-89
North Point Canal below Goss Flume at SLC, Ut (d)	10170700	---	1963-67 1979-83
Surplus Canal at North Temple at SLC, Ut (d)	10170750	---	1976-82
Surplus Canal at Cohen Flume near SLC, Ut (d)	10170800	---	1963-67
Parleys Creek near Salt Lake City, Ut (d)	10171500	50.1	1898-1963
Parleys Creek at Suicide Rock near SLC, Ut (d)	10171600	50.7	1964-68 1980-88
Emigration Creek below Burr Fork near SLC, Ut (d)	10171900	5.9	1964-68
Emigration Creek near Salt Lake City, Ut (d)	10172000	18.4	1898-1960 1960-68 1980-86
Emigration Creek below 1300 East at SLC, Ut (d)	10172100	a9	1963-67
Red Butte Creek below reservoir near SLC, Ut (d)	10172220	7.95	1942-67 1980-88
1300 South Conduits at Jordan River, combined flows (d)	10172350		1981 1987-88
South Conduit of 1300 South Conduit at Jordan River, SLC, Ut (d)	10172351		1986-89
North Conduit of 1300 South Conduit at Jordan River, SLC, Ut (d)	10172352		1980-81 1985-89
City Creek above Wasatch Drive, near SLC, Ut (d)	10172400	17.0	1964-68
City Creek near Salt Lake City, Ut (d)	10172500	19.2	1898-1960 1960-69 1980
Jordan River at 5th North at SLC, Ut (d)	10172550		1975-86
Jordan River at Cudahay Lane near SLC, Ut (d)	10172600	q3,590	1963-68 1974-76
Sewage Canal at Cudahay Lane near SLC, Ut (d)	10172620	---	1963-67
Storm Drain at International Center near SLC, Ut (d)	10172624	0.08	1948-83
Goggin Drain near Magna, Ut (d)	10172630	---	1964-67 1972-84
Lee Creek near Magna, Ut (d)	10172640		1972-82
Kennecott Drain near Magna, Ut (d)	10172650	---	1964-67 1972-84
RUSH VALLEY			
East Government Creek Tributary near Vernon, Ut (d)	10172720	a0.98	1961-74
TOOELE VALLEY			
Middle Canyon Creek near Tooele, Ut (d)	10172794	12.1	1984-86
GREAT SALT LAKE DESERT			
Deep Creep near Goshute, Ut (d)	10172893	a43	1964-68
Great Salt Lake West Pond near Wendover, Ut (e)	10172903	---	1987-89
Pine Creek near Grouse Creek, Ut (d)	10172921	---	1972-73
Dove Creek near Park Valley, Ut (d)	10172940	33.2	1959-68 1971-73
Fisher Creek near Park Valley, Ut (d)	10172950	---	1972-73
Indian Creek near Park Valley, Ut (d)	10172955	---	1971-73
West Locomotive Spring at Locomotive Spring near Snowville, Ut (d)	10172963	---	1969-73
Baker Spring at Locomotive Spring near Snowville, Ut (d)	10172964	---	1969-73
Bar M Spring at Locomotive Spring near Snowville, Ut (d)	10172965	---	1969-80
Off Spring at Locomotive Spring near Snowville, Ut (d)	10172967	---	1969-80
Sparks Spring at Locomotive Spring near Snowville, Ut (d)	10172968	---	1969-80
SEVIER LAKE BASIN			
Hatch Bence Canal near Hatch, Ut (d)	10173000	---	1914 1916-19
Mammoth Creek near Hatch, Ut (d)	10173500	151	1912-14 1915-19
Midway Creek near Hatch, Ut (d)	10173600	25.7	1958-62

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
Navajo Lake west of Dyke near Hatch, Ut (e)	10173700	---	1954-59
Duck Creek near Hatch, Ut (d)	10173900	---	1954-59
Asay Creek above West Fork near Hatch, Ut (d)	10174000	105	1954-59
Asay Creek near Hatch, Ut (d)	10174200	a96	1912-14, 1939-41
Red Canyon Tributary near Bryce Canyon, Ut (d)	10174800	a2.2	1959-74
State Canal near Panguitch, Ut (d)	10175500	---	1913-19
Long Canal near Panguitch, Ut (d)	10176000	---	1914-19
Panguitch Creek near Panguitch, Ut (d)	10176300	97.0	1961-80
East Panguitch Canal near Panguitch, Ut (d)	10176500	---	1914-19
Panguitch Creek above Canals near Panguitch, Ut (d)	10177000	a110	1915-20
Panguitch Creek below Canals at Panguitch, Ut (d)	10177500	---	1915, 1917-18
Barton and LeFevere Canal near Panguitch, Ut (d)	10178000	---	1915-19
McEwen Canal near Panguitch, Ut (d)	10178500	---	1914-19
Old Houston Canal near Panguitch, Ut (d)	10179000	---	1915-19
Fox Canal near Circleville, Ut (d)	10180500	---	1914-19
Circleville Canal near Circleville, Ut (d)	10181000	---	1914-19
Old Kingston Canal near Circleville, Ut (d)	10181500	---	1914-19
Dalton Canal at Circleville, Ut (d)	10182000	---	1914-19
Mitchell Slough Canal near Junction, Ut (d)	10182500	---	1914-19
Junction Middle Canal near Junction, Ut (d)	10183000	---	1915-19
Tropic and East Fork Canal near Tropic, Ut (d)	10184000	---	1950-61
East Fork Seiver River near Antimony, Ut (d)	10184450	a570	1961-66
Coyoto Canal near Coyoto, Ut (d)	10184500	---	1916-19
Antimony Creek near Antimony, Ut (d)	10185000	50.3	1946-48, 1957-76
East Fork Sevier River at Antimony (Coyoto), Ut (d)	10185500	---	1915-19
Otter Creek Reservoir Feeder Canal at mouth near Coyota, Ut (d)	10186500	---	1915-20
Otter Creek near Koosharem, Ut (d)	10187300	23.5	1964-82
Otter Creek above Reservoir near Antimony, Ut (d)	10187500	322	1915-20, 1961-64, 1971-80
Otter Creek near Antimony (Coyoto), Ut (d)	10188500	---	1913-19
Combined Flow Sevier River and East Fork Sevier River (d)	10189001		1915-77
Kingston Canal at Kingston, Ut (d)	10189500	---	1914-19
Sevier River near Junction, Ut (d)	10190500	a2,390	1911-16
Sevier River near Marysvale, Ut (d)	10192000	a2,560	1906-11
Sevier River at Marysvale, Ut (d)	10192500	a2,580	1912-14
Pine (Bullion) Creek at Marysvale, Ut (d)	10193500	a29	1914, 1918-19
Cove Canal at Sevier, Ut (d)	10194500	---	1914-19
Clear Creek at Sevier, Ut (d)	10195000	169	1912-19, 1934-58
Sevier River at Sevier, Ut (d)	10195500	a2,850	1917-29
Monearoe South Bend Canal near Joseph, Ut (d)	10196000	---	1914-19
Sevier Valley Canal near Joseph, Ut (d)	10196500	---	1912-19
Joseph Canal near Joseph, Ut (d)	10197000	---	1914-19
Sevier Valley Canal near Richfield, Ut (d)	10198000	---	1912-19
State Canal near Redmond, Ut (d)	10200000	---	1913-19
Wells Canal near Joseph, Ut (d)	10200500	---	1914-19
Monroe Canal near Elsinore, Ut (d)	10201000	---	1914-19
Elsinore Canal near Elsinore, Ut (d)	10201500	---	1914-19
Brooklyn Canal near Elsinore, Ut (d)	10202000	---	1914-19
Richfield Canal near Fillmore, Ut (d)	10202500	---	1914-19
Annabella Canal at Elsinore, Ut (d)	10203000	---	1914-19
Vermilion Canal near Richfield, Ut (d)	10203500	---	1914-19
Sevier River near Richfield, Ut (d)	10204000	---	1916-18
Mill Creek near Glenwood, Ut (d)	10204200	18.9	1963-74
Rockyford Canal near Vermilion, Ut (d)	10204500	---	1914-35
Sheep Creek near Salina, Ut (d)	10205100	0.30	1958-69
West Fork Sheep Creek near Salina, Ut (d)	10205200	0.43	1958-69
Sheep Creek at mouth near Salina, Ut (d)	10205300	1.47	1958-69
Sevier River below Salina Creek near Salina, Ut (d)	10206001		1985-86
West View Canal at Redmond, Ut (d)	10206500	---	1914-19
Fayette Canal near Centerfield, Ut (d)	10207000	---	1914-19
Dover Canal near Gunnison, Ut (d)	10207500	---	1914-19
Sevier River near Gunnison, Ut (d)	10208000	a3,990	1901-17
Oak Creek near Fairview, Ut (d)	10208500	11.8	1965-89
Pleasant Creek near Mount Pleasant, Ut (d)	10210000		1955-75
Twin Creek near Mount Pleasant, Ut (d)	10211000	a5.9	1955-66
Big Hollow at Fountain Green, Ut (d)	10215500		1965-68
Gunnison Reservoir near Sterling, Ut (e)	10216200	a670	1966-83
San Pitch River near Sterling, Ut (d)	10216210	672	1965-80
Twelvemile Creek near Mayfield, Ut (d)	10216400	59.4	1960-80
San Pitch River near Gunnison, Ut (d)	10216500	886	1900-05, 1912-18, 1952
Sevier River at Clark's Bridge near Fayette, Ut (d)	10217500	a4,960	1914-16
Wellington Canal near Mills, Ut (d)	10219100	---	1914-18
Sevier River near Mills, Ut (d)	10220000	a5,800	1914-17
Sevier River Land and Water Co. Canal near Leamington, Ut (d)	10220500	---	1914-19
McIntyre Canal near Leamington, Ut (d)	10222500	---	1914-18
Leamington Canal near Leamington, Ut (d)	10223000	---	1914-19
Sevier River at Leamington, Ut (d)	10223500	a5,860	1889-93, 1912-14
Oak Creek below big Spring near Oak City, Ut (d)	10224300	17.8	1979-86
Delta and Melville Reservoir near Delta, Ut (e)	10224500	---	1914-17
Canal A (Delta and Melville Canal) near Delta, Ut (d)	10225000	---	1912-19
Sevier River near Delta, Ut (d)	10228000	a7,380	1912-19
Gunnison Bend Reservoir near Delta, Ut (e)	10228500		1914-19
Sevier River at Oasis, Ut (d)	10231500	a8,080	1912-27
Chalk Creek near Fillmore, Ut (d)	10232500	58.7	1914, 1945-71
Meadow Creek near Meadow, Ut (d)	10233000	11.6	1914, 1965-75
Corn Creek near Kanosh, Ut (d)	10233500		1914, 1965-75
Three Creeks near Beaver, Ut (d)	10234000	19.5	1947-61

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
South Creek near Beaver, Ut (d)	10235000	14.7	1906 1965-76
North Fork North Creek above Pole Creek near Beaver, Ut (d)	10235500	a6.9	1947-49
North Fork North Creek near Beaver, Ut (d)	10236000	14.1	1906 1966-76
South Fork North Creek near Beaver, Ut (d)	10236500	23.0	1906 1966-76
Indian Creek near Beaver, Ut (d)	10237500	18.5	1906 1947-49 1965-76
Indian Creek at Adamsville, Ut (d)	10238000	a180	1914-16
Minersville Reservoir near Minersville, Ut (e)	10238500	534	1915-22 1937
Minersville Canal at Minersville, Ut (d)	10239500	---	1906 1914 1951-55
Beaver River at Minersville, Ut (d)	10240000	a560	1909-13 1951-55
Beaver River near Milford, Ut (d)	10241000	a1,100	1952-55
PAROWAN VALLEY			
Little Creek near Paragonah, Ut (d)	10241400	15.8	1960-80
Red Creek near Paragonah, Ut (d)	10241430	a6.3	1965-75
Center Creek above Parowan Creek near Parowan, Ut (d)	10241470	11.6	1965-87
Center Creek near Parowan, Ut (d)	10241500	a60	1943-50
Summit Creek near Summit, Ut (d)	10241600	24.0	1965-87
CEDAR CITY VALLEY			
Ashdown Creek near Cedar City, Ut (d)	10241800	13.1	1958-61
Grassy Creek near Enterprise, Ut (d)	10242430	a2.5	1965-68
SNAKE VALLEY			
Snake Creek near Baker, Nv (d)	10243230	a30	1913-15
Baker Creek at Narrows near Baker, Nv (d)	10243240	16.4	1947-55
Baker Creek near Baker, Nv (d)	10243250	a10	1913-15
Lehman Creek near Baker, Nv (d)	10243260	a11	1947-55
SNAKE RIVER VALLEY			
George Creek near Yost, Ut (d)	13077700	7.84	1959-89
Clear Creek near Naf, Id (d)	13079000	20.2	1910-11 1944-70

Explanation:
a : approximate
q : includes 255 sq mi in closed basin in Cedar Valley
DS : downstream
US : upstream

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continous-record surface-water-quality stations prior to the 1990 water year. Daily records of (b) microbiological, (c) chemical and/or specific conductance, (s) sediment, or (t) water temperature were collected and published for the record shown for each station.

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
COLORADO RIVER BASIN				
Cottonwood Wash at I-70 near Cisco, Ut	09163675	170	c,s,t	1983-86
TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER				
Onion Creek above Onion Creek Bridge near Moab, Ut	09180920	---	c,t	1980-81
Onion Creek below Onion Creek Bridge near Moab, Ut	09180970	---	c,t	1980-81
Castle Creek above diversions, near Moab, Ut	09182000	7.58	c,t	1971-75
Courthouse Wash near Moab, Ut	09183000	162	c,t	1971-89
Indian Creek Tunnel near Monticello, Ut	09185800	---	c,t	1971-80
Indian Creek below Bogus Pocket near Monticello, Ut	09187550	262	c,s,t	1983-88
GREEN RIVER BASIN				
East Fork Beaver Creek near Lonetree, Wy	09227000	a8.2	c,s,t	1977
Sheep Creek Upper Canal near Manila, Ut	09231000	---	c	1976
Red Creek near Dutch John, Ut	09234700	140	c,s,t	1971-76
Crouse Creek near Vernal, Ut	09235100	30.2	c,t	1987-90
Pot Creek near Vernal, Ut	09235800	107	c,t	1971-82
ASHLEY CREEK BASIN				
Brush Creek above cave near Vernal, Ut	09261500	a23	c,t	1950-73
Big Brush Creek near Vernal, Ut	09262000	79.6	c,t	1908-81
Little Brush Creek near Vernal, Ut	09263000	a28	c	1950
Brush Creek near Jensen, Ut	09263500	255	c	1988-89
Oaks Park Canal near Vernal, Ut	09265000	---	c	1957
Ashley Creek above Red Pine Creek near Vernal, Ut	09265300	55.8	c,t	1971-75
Dry Fork above sinks, near Dry Fork, Ut	09268000	44.4	c,t	1954-75
North Fork of Dry Fork near Dry Fork, Ut	09268500	8.62	c,t	1955-89
Brownie Canyon above sinks, near Dry Fork, Ut	09268900	8.24	c,t	1971-89
East Fork of Dry Fork at mouth near Dry Fork	09269500	a18	c,t	1954
Dry Fork below springs near Dry Fork, Ut	09270000	97.4	c,t	1947-58
Dry Fork at mouth near Dry Fork, Ut	09270500	116	c,t	1954-89
Ashley Creek at Sign of the Maine, near Vernal, Ut	09271000	241	c,t	1947 1949 1955-58 1973-74
Highline Canal below Mantle Gulch near Jensen, Ut	09271070	---	c,t	1971-72
River Irrigation Company Canal near Jensen, Ut	09271470	---	c,t	1971-72
Ashley Creek near Jensen, Ut	09271500	383	c,t	1947-51 1954-58 1971-83 1986-89
DUCHESNE RIVER BASIN				
Duchesne Tunnel near Kamas, Ut	09272500	---	c,t	1972
Duchesne River at Provo River Trail near Hanna, Ut	09273000	a39	c	1954 1957
Hades Creek near Hanna, Ut	09273500	a75	c	1951 1956-57 1960-62
Duchesne River (North Fork) near Hanna, Ut	09274000	a78	c,t	1988
West Fork Duchesne River below Dry Hollow near Hanna, Ut	09275000	43.8	c,t	1957 1960 1964 1974-81
Wolf Creek above Rhoades Canyon near Hanna, Ut	09276000	10.6	c,t	1951 1956-57 1962 1971-83
Duchesne River at Hanna, Ut	09277000	a230	c,t	1957-64 1973
Rock Creek near Hanna, Ut	09278500	122	c,t	1957 1974-83 1987-88
Rock Creek below Miners Gulch near Hanna, Ut	09278700	133	c,t	1974-81
Duchesne River at Duchesne, Ut	09279500	a660	c,t	1941-43 1946-74
Hobble Creek at Daniels Summit near Wallsburg, Ut	09280400	2.89	c,t	1971-83
Strawberry Reservoir near Soldier Springs, Ut	09282500	170	c	1949 1957-58
Willow Creek near Soldier Springs, Ut	09285500	a44	t	1990
Strawberry River above Red Creek near Fruitland, Ut	09285700	363	c,t	1941 1971-81
Red Creek near Fruitland, Ut	09286500	a89	c	1941 1947-49 1957-58
Currant Creek below Red Ledge Hollow near Fruitland, Ut	09287000	50.1	c,t	1951 1956-57 1962-64 1971-83
Water Hollow near Fruitland, Ut	09287500	a14	c,t	1956-57 1960-64 1971-83
Red Creek below Currant Creek near Fruitland, Ut	09288100	297	c,t	1971-81
West Fork Avintaquin Creek near Fruitland, Ut	09288150	56.1	c,t	1971-83
Strawberry River at Duchesne (Theodore), Ut	09288500	1,066	c,t	1941 1946-50 1954-58 1962-68 1973-74
Sowers Creek near Duchesne, Ut	09288900	40.6	c,t	1971-83
Antelope Creek near Myton, Ut	09289000	a198	c	1941 1949

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN--Continued				
Lake Fork River below Taskeech Damsite near Mt Home, Ut	09291200	138	c,t	1977-83
Yellowstone River at mouth near Altonah, Ut	09293000	142	c,t	1977-81
Lake Fork River (below Forks) near Altonah, Ut	09293500	304	c,t	1949 1977-81
Lake Fork River at Hwy 87 near Altamont, Ut	09293600	318	c,t	1977-81
Pigeon Water Creek near Altamont, Ut	09293700	95.5	c,t	1977-78
Lake Fork River near Upalco, Ut	09294000	427	c,t	1941 1957-58 1964-65 1973 1977-81
Lake Fork (Creek) near Myton, Ut	09294500	484	c,t	1941 1947-48 1951 1973 1977-81
Uinta River near Neola, Ut	09297000	163	c,t	1941 1957-58 1963-83
Uinta River near Whiterocks, Ut	09297500	218	c	1849
West Channel Uinta River below diversion works near Whiterocks, Ut	09297600	216	c,t	1977-81
East Channel Uinta River below diversion works near Whiterocks, Ut	09297700	215	c,t	1977-81
East Channel Uinta River at County Road Bridge near Whiterocks, Ut	09297800	253	c,t	1977-81
East Channel Uinta River at LaPoint Road near LaPoint, Ut	09297900	382	c,t	1977-82
Farm Creek near Whiterocks, Ut	09298000	14.9	c,t	1971-81
Whiterocks River below damsite near Whiterocks, Ut	09299400	110	c,t	1977-81
Whiterocks River below Farm Creek Canal near Whiterocks, Ut	09299600	120	c,t	1977-81
Whiterocks River 1 Mile East of Whiterocks, Ut	09299700	124	c,t	1977-81
Deep Creek at State Hwy 246 near LaPoint, Ut	09299900	72.2	c,t	1977-79
Uinta River at Fort Duchesne, Ut	09300500	557	c,t	1941 1947-51 1954-59 1965-70 1973 1977-81
Dry Gulch near Neola, Ut	09301000	a67	c	1958 1963-64
Dry Gulch near Fort Duchesne, Ut	09301200	469	c,t	1977-81
Uinta River at Randlett, Ut	09301500	1,064	c,s,t	1950 1963 1977-81
WHITE RIVER BASIN				
White River near Colorado State Line, Ut	09306395	3,680	c,s,t	1976-85
White River above Hells Hole Canyon near Watson, Ut	09306400	a3,700	c,s,t	1974-76
Hells Hole Canyon Creek at mouth near Watson, Ut	09306405	24.5	c,s,t	1975-76 1979-82
Evacuation Creek above Missouri Creek near Dragon, Ut	09306410	100	c,s,t	1974-83
Evacuation Creek below Park Canyon near Watson, Ut	09306415	246	c,s,t	1974-75
Evacuation Creek at Watson, Ut	09306420	259	c,s,t	1948 1974-77
Evacuation Creek near mouth near Watson, Ut	09306430	284	c,s,t	1974-83
White River below Southam Canyon near Watson, Ut	09306600	a4,030	c,s,t	1974-76
Southam Canyon Wash near Watson, Ut	09306605	2.5	c,s,t	1976
Southam Canyon Wash at mouth near Watson, Ut	09306610	8.3	c,s,t	1976 1979-82
Asphalt Wash below Center Fork near Watson, Ut	09306620	94.4	c,s,t	1976
Asphalt Wash near mouth near Watson, Ut	09306625	97.5	c,s,t	1975-76 1979-81
White River below Asphalt Wash near Watson, Ut	09306700	a4,130	c,s,t	1974-78 1981-83
Bitter Creek above Dick Canyon near Watson, Ut	09306740	11.7	c,s,t	1974-78
Sweetwater Canyon below South Canyon near Watson, Ut	09306760	22.6	c,s,t	1974-78
Sweetwater Canyon Creek near mouth near Watson, Ut	09306780	124	c,s,t	1975-78
Bitter Creek near Bonanza, Ut	09306800	324	c,s,t	1971-83 1987-88
Bitter Creek at mouth near Bonanza, Ut	09306850	398	c,s,t	1974-83
Sand Wash near Ouray, Ut	09306870	59.7	c,t	1976 1979 1980
Sand Wash at mouth near Ouray, Ut	09306872	71.1	c,s,t	1978-80
Coyote Wash near mouth near Ouray, Ut	09306878	228	c,s,t	1976-83
North Wash near Ouray, Ut	09306880	11.0	c,t	1980-81
Cottonwood Wash near mouth near Ouray, Ut	09306885	70.6	c,s,t	1977-81
White River at mouth near Ouray, Ut	09306900	5,120	b,c,s,t	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER				
Green River near Ouray, Ut	09307000	a35,500	c,s,t	1950-52 1958-66
Pariette Draw near Ouray, Ut	09307200	153	c,s,t	1975-84
Pariette Draw at mouth near Ouray, Ut	09307300	298	c,s,t	1975-84 1987-91
Willow Creek above diversions near Ouray, Ut	09307500	297	c,s,t	1969-70 1974-83
Hill Creek above Towave Reservoir near Ouray, Ut	09307800	89.7	c,s,t	1974-81
Hill Creek near mouth near Ouray, Ut	09307900	288	c,s,t	1975-81
Willow Creek near Ouray, Ut	09308000	897	c,s,t	1950-55 1974-83
Minnie Maud Creek near Myton, Ut	09308500	32.0	c,t	1971-83 1987-89
PRICE RIVER BASIN				
Fairview Ditch near Fairview, Ut	09309500	---	c	1958
Gooseberry Creek near Fairview, Ut	09309800	a7.51	c,t	1969-70
Boardinghouse Creek at mouth near Scofield	09310575	2.04	c,s,t	1982-84
Eccles Canyon near Scofield, Ut	09310600	5.5	b,c,s,t	1979-84
Price River near Scofield, Ut	09311500	a155	c,t	1962 1969-70 1979-80

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
PRICE RIVER BASIN--Continued				
White River near Soldier Summit, Ut	09312500	52.8	c,t	1947 1957-58 1969 1979
Beaver Creek near Soldier Summit, Ut	09312700	26.1	c,t	1969-83 1987-89
Willow Creek near Castle Gate, Ut	09312800	62.8	c,t	1969-83 1987-89
Willow Creek at Castle Gate, Ut	09312900	77.4	b,c,s,t	1979-81
Spring Canyon below Sowbelly Gulch at Helper, Ut	09313040	23.0	c,s,t	1978-81
Price River near Helper, Ut	09313500	a530	c,t	1970
Coal Creek near Helper, Ut	09313965	25.3	b,c,s,t	1976-81
Soldier Creek below Mine near Wellington, Ut	09313975	17.7	b,c,s,t	1969 1976-84
Dugout Creek near Sunnyside, Ut	09313985	5.8	b,c,s,t	1979-81
Price River below Miller Creek near Wellington, Ut	09314250	956	c,t	1969-83
Desert Seep Wash near Wellington, Ut	09314280	191	c,t	1969 1972-83
Grassy Trail Creek at Sunnyside, Ut	09314340	40.1	b,c,s,t	1975-84
Horse Canyon near Sunnyside, Ut	09314374	12.5	b,c,s,t	1975-81
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER				
Saleratus Wash at Green River, Ut	09315500	a180	c	1947-48 1957
Browns Wash near Green River, Ut	09316000	a75	c	1948 1957
Floy Wash near Green Riv, Ut	09316100	56.6	c,s,t	1983-86
Candland Ditch near Mt Pleasant, Ut	09317500	---	c	1958
Crandall Canyon at mouth near Huntington, Ut	09317919	5.7	b,c,s,t	1976-84
Tie Fork Canyon near Huntington, Ut	09317920	11.7	b,c,s,t	1978-81
Huntington Creek near Huntington, Ut	09318000	187	b,c,s,t	1949 1956-79
Larsen Tunnel near Ephraim, Ut	09320500	---	b	1978
Seely Creek near Orangeville, Ut	09324000	a150	c,t	1956-58 1975
Cottonwood Creek above Straight Canyon near Orangeville, Ut	09324200	21.9	b,c,s,t	1978-81
Cottonwood Creek near Orangeville, Ut	09324500	208	c,s,t	1946 1956-83
Cottonwood Creek near Castle Dale, Ut	09325000	261	c,t	1948 1958-62 1975-78
San Rafael River Above Ferron Creek near Castle Dale, Ut	09325100	a680	c,t	1964-65 1968 1977-1978
Ferron Creek near Castle Dale, Ut	09327500	a210	c,t	1960-68 1974-78
San Rafael River near Castle Dale, Ut	09328000	930	c,t	1948 1957-68
San Rafael River at San Rafael Bridge Campground, nr Castle Dale, Ut	09328100	1,284	c,s,t	1975-83
DIRTY DEVIL RIVER BASIN				
Fremont River near Fremont, Ut	09329500	205	c,t	1975-76
Pine Creek near Bicknell, Ut	09329900	104	c,t	1971-80
Pleasant Creek near Caineville Ut	09330210	115	c,s,t	1969-72 1975-76
Ivie Creek above diversions near Emery, Ut	09331500	a50	c,t	1975-76
Convulsion Canyon near Emery, Ut	09331850	21.6	c,s,t	1980-84
Quitchupah Creek near Emery, Ut	09331900	104	b,c,s,t	1978-81
Christiansen Wash near Emery, Ut	09331950	13.6	b,c,s,t	1978-84
Muddy Creek below I-70 near Emery, Ut	09332100	418	c,s,t	1973-87
Muddy Creek at Delta Mine near Hanksville, Ut	09332700	841	c,s,t	1975-85
Muddy Creek at mouth near Hanksville, Ut	09332800	1,552	c,s,t	1975-80
Dirty Devil River near Hanksville, Ut	09333000	a3,490	c,t	1975-76
Colorado River at Hite, Ut	09335000	a76,600	c,s	1950-56
ESCALANTE RIVER BASIN				
East Fork Boulder Creek near Boulder, Ut	09338000	21.4	c,t	1971-72
Escalante River at mouth near Escalante, Ut	09339500	a1,770	c	1951-53
SAN JUAN RIVER BASIN				
McElmo Creek near Bluff, Ut	09372200		c,t	1978-82
Spring Creek above diversions near Monticello, Ut	09376900	4.95	c,t	1971-72
North Creek above Ranger Station near Monticello, Ut	09378100	8.68	c,t	1980-83
Cottonwood Wash near Blanding, Ut	09378700	205	c,s,t	1968-83
COLORADO RIVER TRIBUTARIES BELOW GLEN CANYON DAM				
Mill Creek above study area near Glendale, Ut	09403620	4.81	c,t	1975-77
Thompson Creek below study area near Glendale, Ut	09403660	16.6	c,t	1976-77
VIRGIN RIVER BASIN				
North Fork Virgin River near Glendale, Ut	09405400	5.65	c,t	1973-78
North Fork Virgin River below Bulloch Canyon near Glendale, Ut	09405420	29.6	c,s,t	1974 1983-86
North Fork Virgin River above Zion Narrows near Glendale, Ut	09405450	45.5	c,s,t	1979 1983-86
LaVerkin Creek near LaVerkin, Ut	09406150	91.3	c,t	1987-91
Kanarra Creek at Kanarraville, Ut	09406300	9.85	c,t	1971-82
South Ash Creek below Mill Creek near Pintura, Ut	09406700	11.0	c,t	1971-82
Ash Creek above Toquerville, Ut	09407000	201	c,t	1987-91
West Field Ditch at Toquerville, Ut	09407150		c,t	1973-78
Ash Creek below West Field Ditch at Toquerville, Ut	09407200	201	c,t	1973-82
Virgin River near Hurricane, Ut	09408150	1,499	c,s,t	1967-91
Santa Clara River above Winsor Dam near Santa Clara, Ut	09410000	338	c,s,t	1962-72
Santa Clara River near Santa Clara, Ut	09410400	410	c,t	1971-74
Virgin River near St. George, Ut	09413500	3,961	c,s,t	1966-73

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
THE GREAT BASIN				
Great Salt Lake at AIC near Syracuse, Ut	10010300	---	c,t	1972
BEAR RIVER BASIN				
East Fork Bear River near Evanston, Wy	10010400	34.6	c,t	1973-83
Hilliard East Fork Canal near State Line near Evanston, Wy	10010500	---	c,t	1967 1973-79
West Fork Bear River at Whitney Dam, near Oakley, Ut	10011200	a7.5	c,t	1965-67 1973-83
West Fork Bear River below Deer Creek near Evanston, Wy	10011400	52.2	c,t	1973-83
Mill Creek at Utah-Wyoming State Line	10012000	a59	c,t	1961
Yellow Creek near Evanston Wy	10017000	a80	c,t	1958 1961 1968 1972-78
Bear River near Evanston, Wy	10019000	715	c,t	1967-68
Chapman Canal at State Line near Evanston, Wy	10019500	---	c,t	1957 1967-68 1972-83
Bear River near Woodruff, Ut	10020500	a870	c,t	1957-58 1961
Woodruff Creek below reservoir near Woodruff, Ut	10020900	50.0	c,t	1972-83
Woodruff Creek near Woodruff, Ut	10021000	a65	c,t	1961 1967-68 1972-75
Rock Creek near Fossil, Wy	10026800	49.0	c,t	1961
Bear River below Pixley Dam near Cokeville, Wy	10028500	2,032	c,t	1958 1965-68 1973-83 1988-91
Muddy Creek above Mill Creek near Cokeville, Wy	10032700	20.7	c,t	1967-68
Mill Creek near Cokeville, Wy	10032800	8.07	c,t	1967-68
Smiths Fork at Cokeville, Wy	10035000	275	c,t	1984-85
Bear River at Harer, Id	10044000	2,839	c,t	1967-68
St. Charles Creek above Diversions near St. Charles, Id	10054600	17.4	c,t	1967-68
Bloomington Creek at Bloomington, Id	10058600	24.0	c,t	1961 1967-68 1973-83
Bear River at Pescadero, Id	10068500	3,705	c,t	1967-68 1972-91
Eightmile Creek near Soda Springs, Id	10072800	22.6	c,t	1961 1965-68 1973-83
Bear River at Soda Springs, Id	10075000	3,972	c,t	1965-68 1972-83
Cottonwood Creek near Cleveland, Id	10084500	61.7	c,t	1961 1967-68 1972-83
Mink Creek below Dry Fork near Mink Creek, Id	10087500	19.3	c,t	1961
Bear River near Preston (at Battlecreek), Id	10090500	4,545	c,t	1947 1953 1961 1965-68 1973-83
Deep Creek near Clifton, Id	10091200	107	c,t	1967-68 1972-78
Cub River near Preston, Id	10093000	19.4	c,t	1958-61 1967-68 1972-83
East Branch Cub River Canal near Lewiston, Ut	10095900	---	c,t	1967-68
High Creek near Richmond, Ut	10099000	16.2	c,t	1978-83 1987-89
Cub River near Richmond, Ut	10102200	a200	c,t	1959 1967-68
Summit Creek above diversions near Smithfield, Ut	10102300	11.6	c,t	1967-68 1972-79
South Fork Little Bear River near Avon, Ut	10104600	26.0	c,t	1967-68 1972-74
East Fork Little Bear River above Reservoir near Avon, Ut	10104900	56.7	c,t	1967-68 1972-83
Little Bear River near Paradise, Ut	10106000	203	c,t	1947 1961 1967-68 1972-83
Little Bear River near Hyrum, Ut	10107500	222	c,t	1961 1967-68
Little Bear River at Wellsville, Ut	10107600	245	c,t	1967-68
Logan River below Blacksmith Fork near Logan, Ut	10115200	524	c,t	1964-68 1972-80
West Canal above Salt Creek diversion near Tremonton, Ut	10117510	---	c,t	1979-83
West Canal below Salt Creek diversion near Tremonton, Ut	10117530	---	c,t	1979-83
Deep Creek below First Creek near Malad City, Id	10125000	a32	c,t	1967
Malad River near Plymouth, Ut	10125600	a632	c,t	1964-65 1968 1972-80
Bear River Duck Club near Bear River City, Ut	10125700	---	c,t	1967-68
Malad River below Bear River Duck Club Canal nr Bear River City, Ut	10125800	a698	c,t	1965-68
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER				
Sulphur Creek near Corrinne, Ut	10126180	15.4	c,t	1963-64 1972-83
Salt Creek below Salt Spring near Tremonton, Ut	10127050	---	c,t	1979-83
Black Slough near Brigham City, Ut	10127100	31.1	c,t	1973-83
WEBER RIVER BASIN				
Smith and Morehouse Creek near Oakley, Ut	10128000	33.8	c,t	1975-83 1987

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
WEBER RIVER BASIN--Continued				
South Fork Weber River near Oakley, Ut	10128200	a16	c,t	1971-74
Weber River near Peoa, Ut	10129300	296	c,t	1971-77
Crandall Creek near Peoa, Ut	10129350	11.8	c,t	1971-73
East Fork Chalk Creek near Coalville, Ut	10130700	a35	c,t	1972-74
Threemile Creek near Park City, Ut	10133700	2.68	c,t	1971-74, 1983
East Canyon Creek near Park City, Ut	10133900	68.9	c,t	1983
North Fork Ogden River near Eden, Ut	10137680	6.03	c,t	1971-74
Middle Fork Ogden River above diversion near Huntsville, Ut	10137780	31.3	c,t	1971-74
Ogden River near Ogden, Ut	10139500	321	c,t	1988
Hooper Slough near Hooper, Ut	10141040	13.0	c,t	1975, 1979-83
South Fork Weber Canal near Hooper, Ut	10141050	---	c,t	1972-75
South Fork Weber River near Hooper, Ut	10141100		c,t	1972-75
North Fork Weber River near Hooper, Ut	10141200	---	c,t	1972-76
TRIBUTARIES TO GREAT SALT LAKE BETWEEN WEBER RIVER AND JORDAN RIVER				
Howard Slough at Hooper, Ut	10141400		c,s,t	1972-84
Farmington Creek above div near Farmington, Ut	10142000	10.0	c,t	1978-81
JORDAN RIVER BASIN				
Salt Creek at Nephi, Ut	10146000	95.6	c,t	1971-80, 1988
Nebo Creek near Thistle, Ut	10148400	36.7	c,t	1971-73
Spanish Fork at Thistle, Ut	10148500	450	c,t	1971-74
Spanish Fork near Lakeshore, Ut	10152000	675	b,c,t	1971-83, 1988
Hobble Creek near Springville, Ut	10152500	105	c,t	1971-74
Maple Creek near Mapleton, Ut	10152700	3.13	c,t	1971-72
Provo River near Kamas, Ut	10153500	29.6	c,t	1972
Shingle Creek near Kamas, Ut	10154000	a8.4	c,t	1971-73
North Fork Provo River at Wildwood, Ut	10160800	12.3	c,t	1971-74
Dry Creek near Alpine, Ut	10165500	9.82	c,t	1971, 1980-81
Jordan River Station No. 1 at Narrows, Ut	10167001		c,s,t	1980-83
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut	10167105	---	c	1980
East Jordan Canal at pumphouse at 6200 So near Murray, Ut	10167115	---	c,s,t	1980-81
Upper Canal at 5800 South (Tolcate Ln) near Murray, Ut	10167122		c,t	1980
Upper Canal at Wild Rose Ln near Salt Lake City, Ut	10167125		c,s,t	1980-81
Jordan & Salt Lake Canal at Little Cottonwood Creek near SLC, Ut	10167141	---	c,t	1980-81
Jordan & Salt Lake Canal at Zenith Ave near Salt Lake City, Ut	10167149	---	c,s,t	1980
Jordan River at 9400 South near South Jordan, Ut	10167200	3,130	c,s,t	1965-68
Bells Canyon Conduit 1000 East 110000 South	10167220	---	c,s,t	1981-82
Jordan River at 90th South near Midvale, Ut	10167230	a3,130	c,s,t,	1980-83, 1986-89
90th South Conduit at Jordan River near Midvale, Ut	10167240		b,c,s,t	1980-82
Jordan River at 5800 South near SLC, Ut	10167300	3,254	b,c,s,t	1965-68, 1974-83
Little Cottonwood Creek (channel) near SLC, Ut	10167499		c,s,t	1979-88
Little Cottonwood Creek at 2050 East near SLC, Ut	10167700	35.2	c,t	1973-75, 1980
Little Cottonwood Creek at Jordan River near SLC, Ut	10168000		c,s,t	1979-82, 1987-88
Big Cottonwood Creek (Cottonwood Creek) near SLC, Ut	10168500	50.0	c,s,t	1964-70
Big Cottonwood Creek at 5550 South near SLC, Ut	10168800	57.3	c,s,t	1964, 1980-89
Neffs Creek above Wasatch Boulevard near SLC, Ut	10168832	---	c,s,t	1981
Big Cottonwood Creek at Jordan River near SLC, Ut	10169500		b,c,s,t	1980-81
Mill Creek near Salt Lake City, Ut	10170000	21.7	b,c,s,t	1964-68, 1979
Mill Creek at Jordan River near SLC, Ut	10170250	a32	b,c,st	1979-82
Parleys Creek at Suicide Rock near SLC, Ut	10171600	50.7	b,c,s,t	1964-68, 1979-81
Emigration Creek near Salt Lake City, Ut	10172000	18.4	b,c,s,t	1964-68, 1980-81
Red Butte Creek below reservoir near SLC, Ut	10172220	7.95	c,t	1980-81
1300 South Conduits at Jordan River, combined flows	10172350		b	1981
City Creek above Wasatch Drive, near SLC, Ut	10172400	17.0	c,s,t	1964-68
Jordan River at 5th North at SLC, Ut	10172550		b,c,s,t	1968-70, 1975, 1980-84
Jordan River at Cudahay Lane near SLC, Ut	10172600	q3,590	b,c,t	1963, 1973-79
Goggin Drain near Magna, Ut	10172630	---	c,t	1964-66, 1972-84
Lee Creek near Magna, Ut	10172640		c,t	1972-82
Kennecott Drain near Magna, Ut	10172650	---	c,s,t	1962-66, 1972-84
GREAT SALT LAKE DESERT				
Great Salt Lake West Pond near Wendover, Ut	10172903	---	c,t	1988-90
West Locomotive Spring at Locomotive Spring near Snowville, Ut	10172963	---	c,t	1973-75
Baker Spring at Locomotive Spring near Snowville, Ut	10172964	---	c,t	1969-70, 1973-75
Bar M Spring at Locomotive Spring near Snowville, Ut	10172965	---	c,t	1969-70, 1973-80
Off Spring at Locomotive Spring near Snowville, Ut	10172967	---	c,t	1969-70, 1973-80
Sparks Spring at Locomotive Spring near Snowville, Ut	10172968	---	c,t	1969-70, 1973-80
SEVIER LAKE BASIN				
Midway Creek near Hatch, Ut	10173600	25.7	c	1974
Panguitch Creek near Panguitch, Ut	10176300	97.0	c,t	1971-80
Antimony Creek near Antimony, Ut	10185000	50.3	c,t	1971-76
Otter Creek near Koosharem, Ut	10187300	23.5	c,t	1971-82

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
SEVIER LAKE BASIN--Continued				
Otter Creek above Reservoir near Antimony, Ut	10187500	322	c,t	1971-80
Clear Creek at Sevier, Ut	10195000	169	c,t	1988-89
Mill Creek near Glenwood, Ut	10204200	18.9	c,t	1973
Sheep Creek near Salina, Ut	10205100	0.30	c	1985
Oak Creek near Fairview, Ut	10208500	11.8	c,t	1971-89
Pleasant Creek near Mount Pleasant, Ut	10210000		c,t	1971-75
San Pitch River near Sterling, Ut	10216210	672	c,t	1971-80
Twelvemile Creek near Mayfield, Ut	10216400	59.4	c,t	1971-80
Oak Creek below big Spring near Oak City, Ut	10224300	17.8	c,t	1979-83
Chalk Creek near Fillmore, Ut	10232500	58.7	c,t	1985
Meadow Creek near Meadow, Ut	10233000	11.6	c,t	1944 1971-75 1985
Corn Creek near Kanosh, Ut	10233500		c,t	1944 1964 1971-75 1985
South Creek near Beaver, Ut	10235000	14.7	c,t	1965 1971-76
North Fork North Creek near Beaver, Ut	10236000	14.1	c,t	1972-77
South Fork North Creek near Beaver, Ut	10236500	23.0	c,t	1971-76
Indian Creek near Beaver, Ut	10237500	18.5	c,t	1965 1971-77
Indian Creek at Adamsville, Ut	10238000	a180	c,t	1964
PAROWAN VALLEY				
Little Creek near Paragonah, Ut	10241400	15.8	c,t	1971-80
Red Creek near Paragonah, Ut	10241430	a6.3	c,t	1971-75
Center Creek above Parowan Creek near Parowan, Ut	10241470	11.6	c,t	1971-83
Summit Creek near Summit, Ut	10241600	24.0	c,s,t	1971-83
SNAKE RIVER VALLEY				
George Creek near Yost, Ut	13077700	7.84	c,t	1965-67 1972-90
Clear Creek near Naf, Id	13079000	20.2	c,t	1965-67

Explanation:
a : approximate

INTRODUCTION

Water resources data for the 1992 water year for Utah consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water levels and water quality of ground water. This report contains discharge records for 193 gaging stations; stage and contents for 23 lakes and reservoirs; water quality for 24 hydrologic stations, and 215 wells; and water levels for 48 observation wells. 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 State and Federal agencies in Utah.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs 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, 1969, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, 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 and Artesian Pressures in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, Virginia, 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry 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 report is identified as "U.S. Geological Survey Water-Data Report UT-92-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page or by telephone (801) 524-5655. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

COOPERATION

The U.S. Geological Survey and organizations of the State of Utah have had cooperative agreements for the systematic collection of streamflow records since 1909, for ground-water levels since 1935, and for water-quality records since 1941. Organizations that assisted in collecting data through cooperative agreement with the Geological Survey are:

Department of Natural Resources, D. C. Hansen, Executive Director
Division of Water Rights, R. L. Morgan, State Engineer
Division of Water Resources, D. L. Anderson, Director
Utah Geological and Mineral Survey, M. L. Allison, State Geologist
Division of Wildlife Resources, T. H. Provan, President
Bear River Commission, Kenneth T. Wright, Chairman
Salt Lake County Flood Control, James Bradley, Chairman

Assistance in the form of funds was given by the Bureau of Reclamation, U.S. Department of the Interior, in collecting records for 6 gaging stations and by the Bureau of Land Management, U.S. Department of the Interior, for 4 gaging stations. Records for 10 gaging stations in Idaho in the Bear River basin and 8 in Utah were collected by the Utah Power and Light Co. under Federal Energy Regulatory Commission License.

Other district offices of the Geological Survey, Water Resources Division, obtained the records listed below:

Colorado District.--Colorado River near Colorado-Utah State line.

Wyoming District.--Bear River at Evanston, WY
Blacks Fork near Millburne, WY
East Fork of Smiths Fork, near Robertson, WY
Green River near Green River, WY
Henrys Fork near Manilla, UT

Records for all stream-gaging stations operated by the Geological Survey in the Bear River basin in Utah, Idaho, and Wyoming are included in this report.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

by David V. Allen

Utah hydrology varies greatly across the state because of topography, geology, and changing seasonal atmospheric conditions. Annual precipitation ranges from about 5 inches on the Great Salt Lake Desert to about 60 inches on the highest mountains (Butler and Marshall, 1972). Pacific frontal storms generally occur during winter and early spring and are responsible for the mountain snowpack. Snowpack usually increases with elevation, with storm accumulations greater than 12 inches of snow common at elevations higher than 8,000 feet above sea level. Thunderstorms are most common during summer months and can vary greatly in areal extent and intensity.

Flooding in Utah can result from snowmelt runoff or thunderstorms. During the 1992 water year, small snowpack accumulations in the northern mountains resulted in minimal flooding due to snowmelt runoff. There were several occurrences of minor flooding due to thunderstorms, mostly in the southern one-half of the State. An intense, localized thunderstorm in the Sugarhouse area, near Salt Lake City, on July 12, 1992, set a new State 1-hour rainfall record of 2.45 inches; the previous record was 2.13 inches, set in Blanding on August 1, 1968. The July 12 storm generated minor urban flooding, ruptured irrigation pipes and ditch banks, and caused a rock slide that closed Interstate 80 in Parleys Canyon, east of Salt Lake City (Alder, 1992).

Statewide precipitation was greater than normal (1951-80) at 7 of 11 selected precipitation-recording stations operated by the National Oceanic and Atmospheric Administration (National Oceanic and Atmospheric Administration, 1991 and 1992) in Utah (fig. 1). The precipitation recorded at Black Rock, Logan, and Salt Lake City was less than normal. This was the fifth year of below-normal precipitation at the Logan and Salt Lake City stations since the 1986 water year.

The greatest departures from normal for the 1992 water year ranged from +3.67 inches above normal in Zion National Park to -3.58 inches below normal in Logan (table 1). Extreme monthly departures from normal also occurred at these two sites; +3.18 inches above normal at Zion National Park in March, and -1.74 inches below normal at Logan in April. March was the wettest month statewide with a total departure of +7.48 inches above normal, and April was the driest month with a total departure of -6.26 inches below normal. No total departure from normal was computed for Bluff because of missing data for June.

The wetter-than-normal conditions at the end of the 1991 water year continued for the first two months of the 1992 water year. Wetter-than-normal conditions prevailed statewide for the rest of the water year at most sites, with the notable exception of the northern part of the State including Logan and Salt Lake City. For these two sites, monthly precipitation was equal to or less than normal for 8 of the 12 months of the water year.

Table 1. Precipitation and departure from normal precipitation at selected sites for water year 1992

Site	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total Departure
Black Rock	1.14 (+0.45)	0.79 (+0.07)	0.56 (+0.06)	0.20 (-0.41)	0.55 (+0.02)	2.65 (+1.64)	0.09 (-0.88)	0.73 (-0.11)	0.26 (-0.27)	0.24 (-0.59)	0.23 (-0.51)	0.29 (-0.34)	7.73 (-0.87)
Bluff	1.20 (+0.05)	0.92 (+0.31)	0.95e (+0.16)	0.41 (-0.37)	0.90 (+0.26)	0.70 (+0.36)	T (-0.40)	2.43 (+2.06)	-- --	1.16 (+0.40)	0.87 (+0.10)	0.65 (+0.05)	-- --
Callao	0.81 (+0.36)	0.25 (-0.06)	0.14 (-0.11)	0.59 (+0.28)	0.21 (-0.13)	0.27 (-0.08)	0.01 (-0.42)	0.14 (-0.53)	0.19 (-0.53)	2.10 (+1.69)	0.39 (-0.14)	0.14 (-0.23)	5.24 (+0.10)
Cedar City	2.24 (+1.46)	1.12 (+0.21)	0.30 (-0.35)	0.41 (-0.23)	1.05 (+0.25)	2.14 (+1.08)	0.29 (-0.69)	1.08 (+0.26)	0.31 (-0.14)	0.48 (-0.62)	2.79 (+1.62)	0.20 (-0.70)	12.41 (+2.15)
Green River	0.73 (-0.05)	0.48 (+0.02)	0.49 (+0.10)	0.24 (-0.16)	1.06 (+0.69)	1.16 (+0.70)	0.08 (-0.37)	1.09 (+0.48)	0.02 (-0.32)	0.61 (+0.23)	0.30 (-0.49)	0.04 (-0.57)	6.30 (+0.74)
Hanksville	0.64 (+0.01)	0.68 (+0.25)	0.70 (+0.40)	0.53 (+0.23)	0.31 (+0.09)	1.25 (+0.90)	0.03 (-0.39)	0.91 (+0.42)	0.17 (-0.06)	0.62 (-0.18)	0.31 (-0.52)	T (-0.60)	6.15 (+0.55)
Logan	2.57 (+1.14)	2.46 (+0.93)	0.81 (-0.82)	0.92 (-0.76)	0.81 (-0.76)	1.15 (-0.60)	0.32 (-1.74)	1.08 (-0.63)	0.94 (-0.59)	1.61 (+1.16)	0.05 (-0.91)	0.50 (0.00)	13.22 (-3.58)
Nephi	1.50 (+0.43)	1.13 (-0.09)	0.14 (-1.12)	0.88e (-0.42)	1.40 (+0.13)	2.29 (+0.83)	0.14 (+1.34)	1.12 (-0.10)	0.29 (-0.47)	1.05 (+0.42)	1.31 (+0.36)	0.76 (-0.12)	12.01 (+1.19)
Salt Lake City	2.10 (+0.96)	2.17 (+0.95)	0.40 (-0.97)	0.78 (-0.57)	1.24 (-0.09)	1.11 (-0.61)	0.96 (-1.25)	1.86 (+0.39)	0.45 (-0.52)	0.29 (-0.43)	0.35 (-0.57)	0.47 (-0.42)	12.18 (-3.13)
Vernal	0.69 (-0.13)	0.27 (-0.29)	0.25 (-0.38)	0.24e (-0.26)	0.44 (+0.04)	0.65 (+0.08)	0.15 (-0.54)	1.35 (+0.57)	0.61 (-0.12)	1.69 (+1.28)	0.73 (+0.06)	0.63 (+0.01)	7.70 (+0.32)
Zion National Park	0.99 (+0.09)	1.01 (-0.19)	1.09 (-0.17)	1.01e (-0.75)	3.05 (+1.34)	4.96 (+3.18)	0.20 (-0.92)	1.42 (+0.62)	0.03 (-0.57)	1.66 (+0.68)	0.97 (-0.62)	0.72 (-0.16)	17.11 (+3.67)
Total Departure	+4.77	+2.11	-3.20	-3.42	+1.84	+7.48	-6.26	+3.43	--	+4.04	-1.62	-3.08	

-- : missing or insufficient data
e : estimated from partial record
T : trace

Upper number: Precipitation (in inches)
Lower number: Precipitation departure from 1951-80 normal precipitation (in inches)

Low streamflow and reservoir contents were prevalent throughout much of Utah in the 1992 water year. The 1992 water year mean annual discharge for six of seven long-term, representative gaging stations was less than the median for water years 1944-91 (fig. 2). The low flows at most of the sites were the result of a drought condition that has persisted in many parts of Utah and surrounding states between 1986 and 1992; a condition that was not overcome by the wetter-than-normal precipitation for parts of Utah in 1992.

Discharges at Blacksmith Fork above Utah Power and Light Company's dam, near Hyrum, Utah (10113500), were at or near record lows for the entire water year. Record minimum monthly mean discharges, in cubic feet per second, were set at this site for June (49.7), July (45.1), August (40.9), and September (40.2). The previous minimum monthly mean discharges for the same months occurred in the 1934 water year and were 49.9, 45.3, 44.1, and 43.1 cubic feet per second, respectively. The mean annual discharge for the 1992 water year at Blacksmith Fork was 54.2 cubic feet per second; the second lowest after the 1941 water year with 53.0 cubic feet per second. Weber River near Oakley, Utah (10128500), recorded the fourth lowest mean annual discharge at 102.5 cubic feet per second, and Green River at Green River, Utah (0931500), had the sixth lowest at 3,178 cubic feet per second.

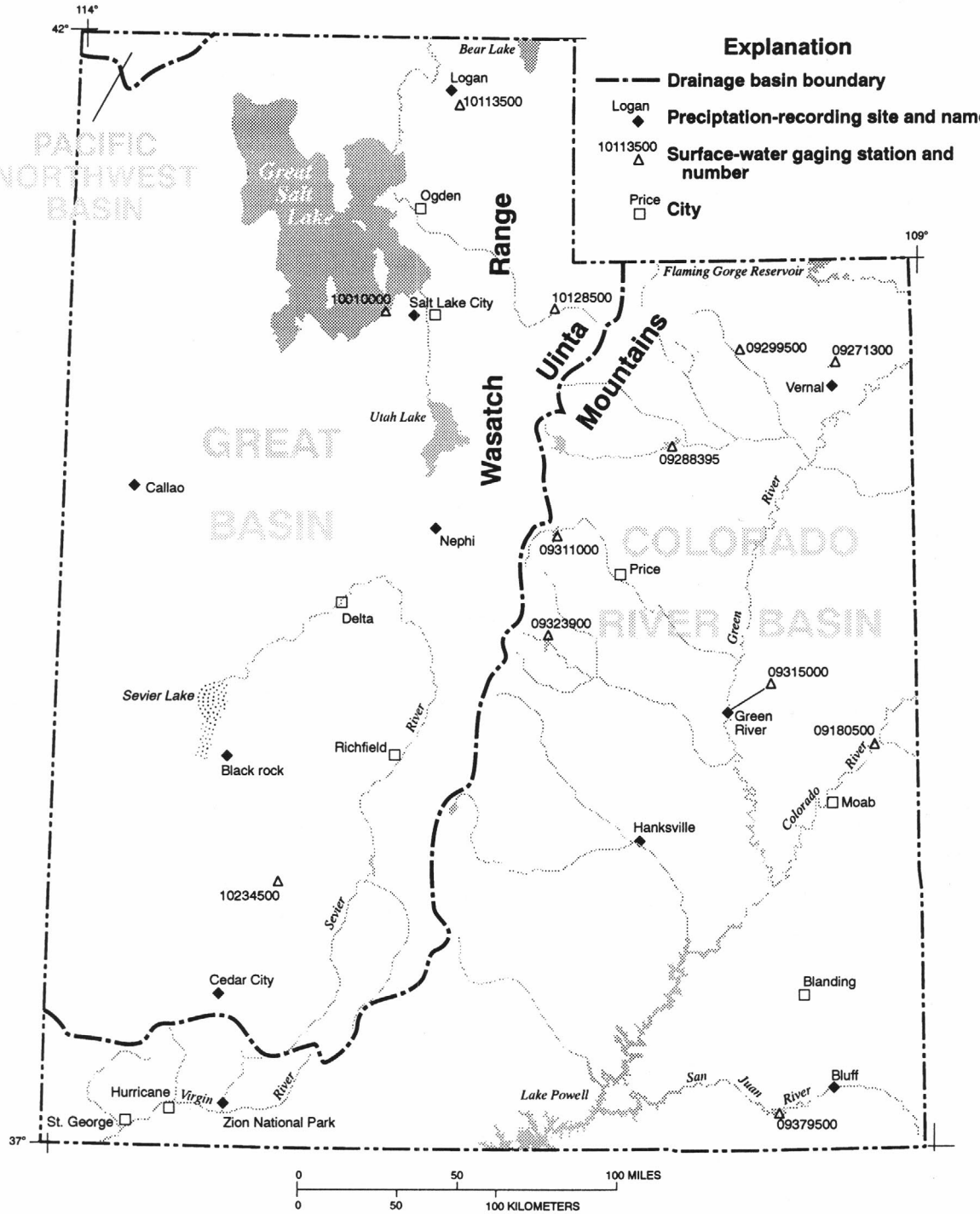
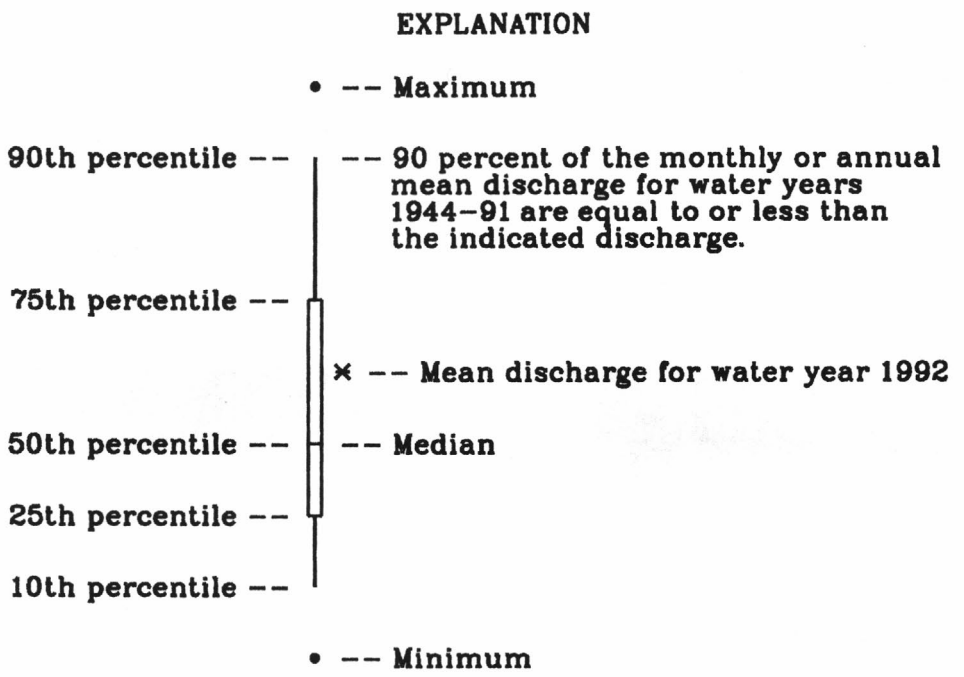


Figure 1. Precipitation-recording sites and surface-water gaging stations.



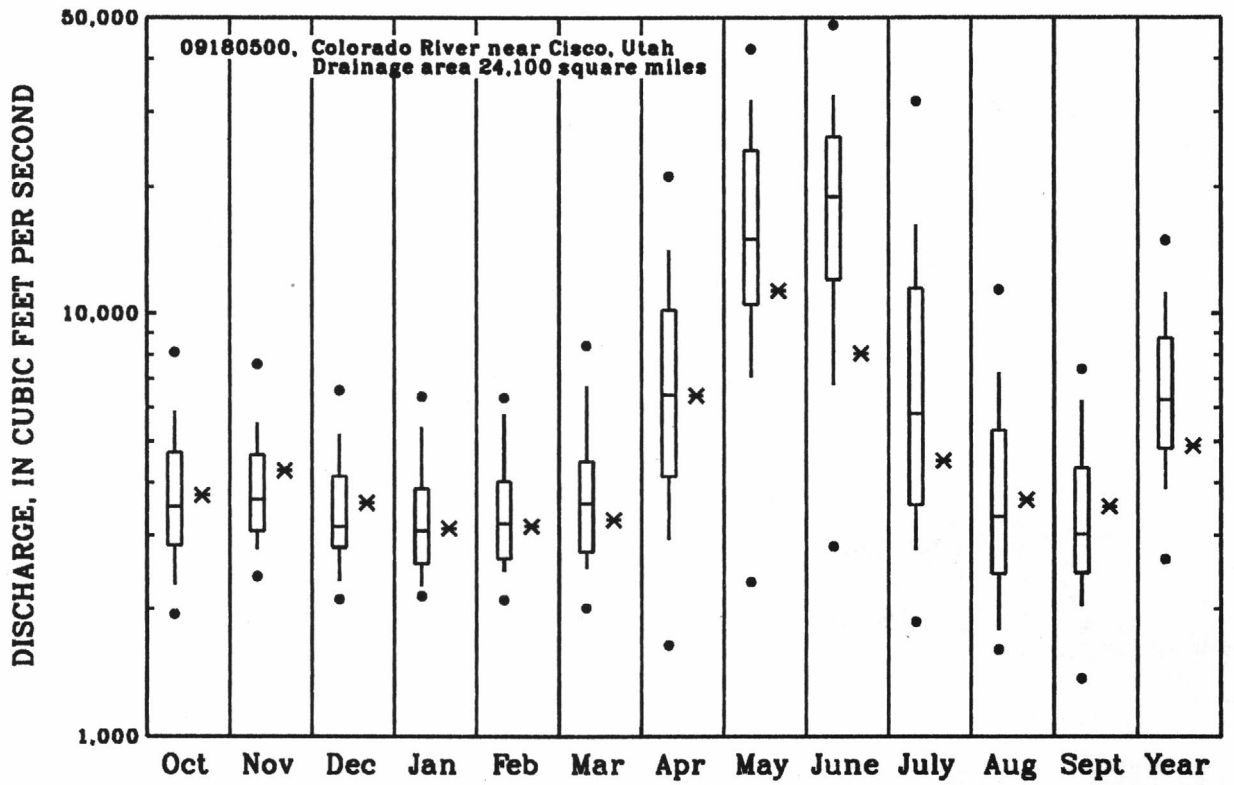


Figure 2. Comparison of monthly and annual mean discharges for water year 1992 with percentile distribution of monthly and annual mean discharges for water years 1944-91 at seven long-term, representative gaging stations.

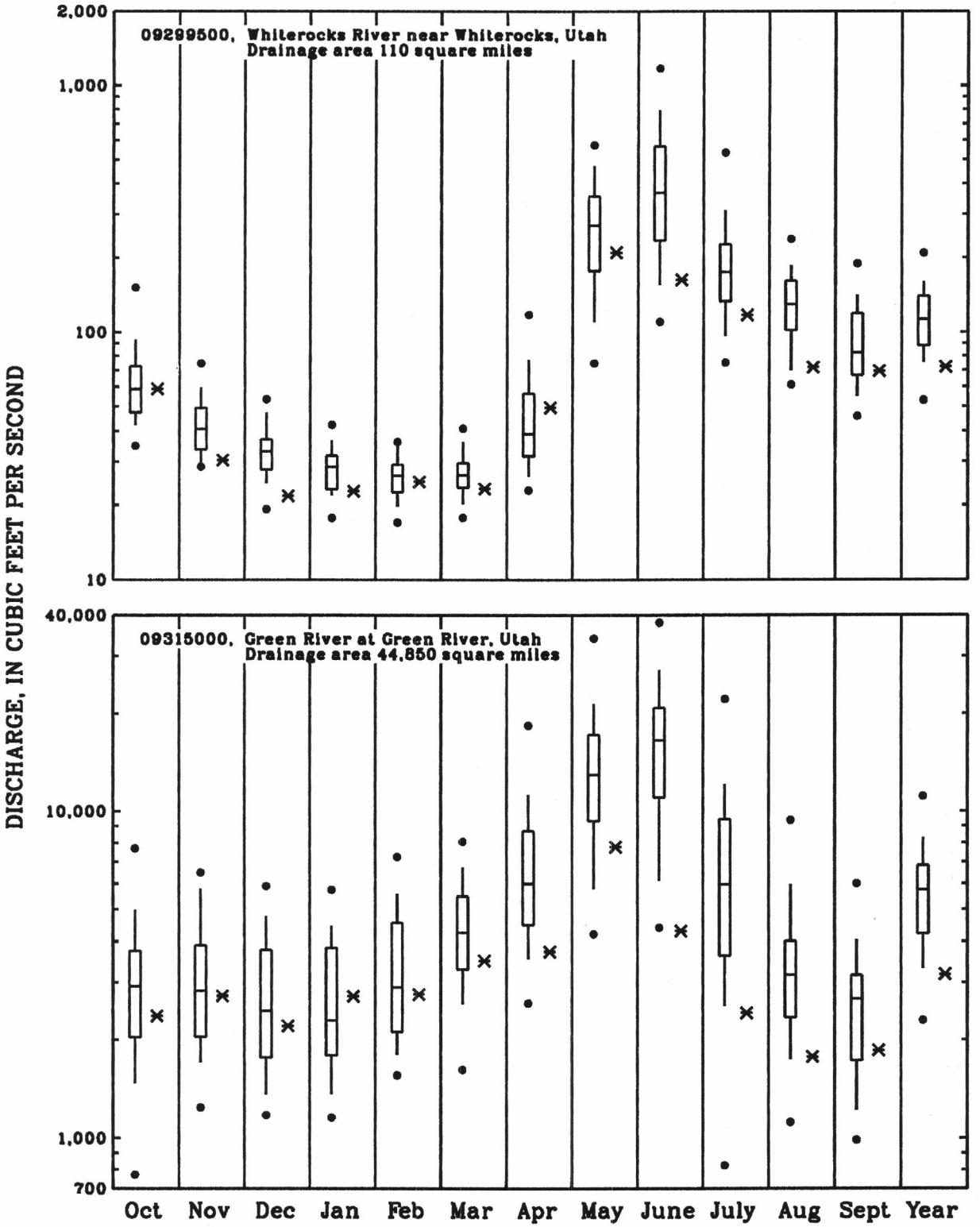


Figure 2. Comparison of monthly and annual mean discharges for water year 1992 with percentile distribution of monthly and annual mean discharges for water years 1944–91 at seven long-term, representative gaging stations–Continued.

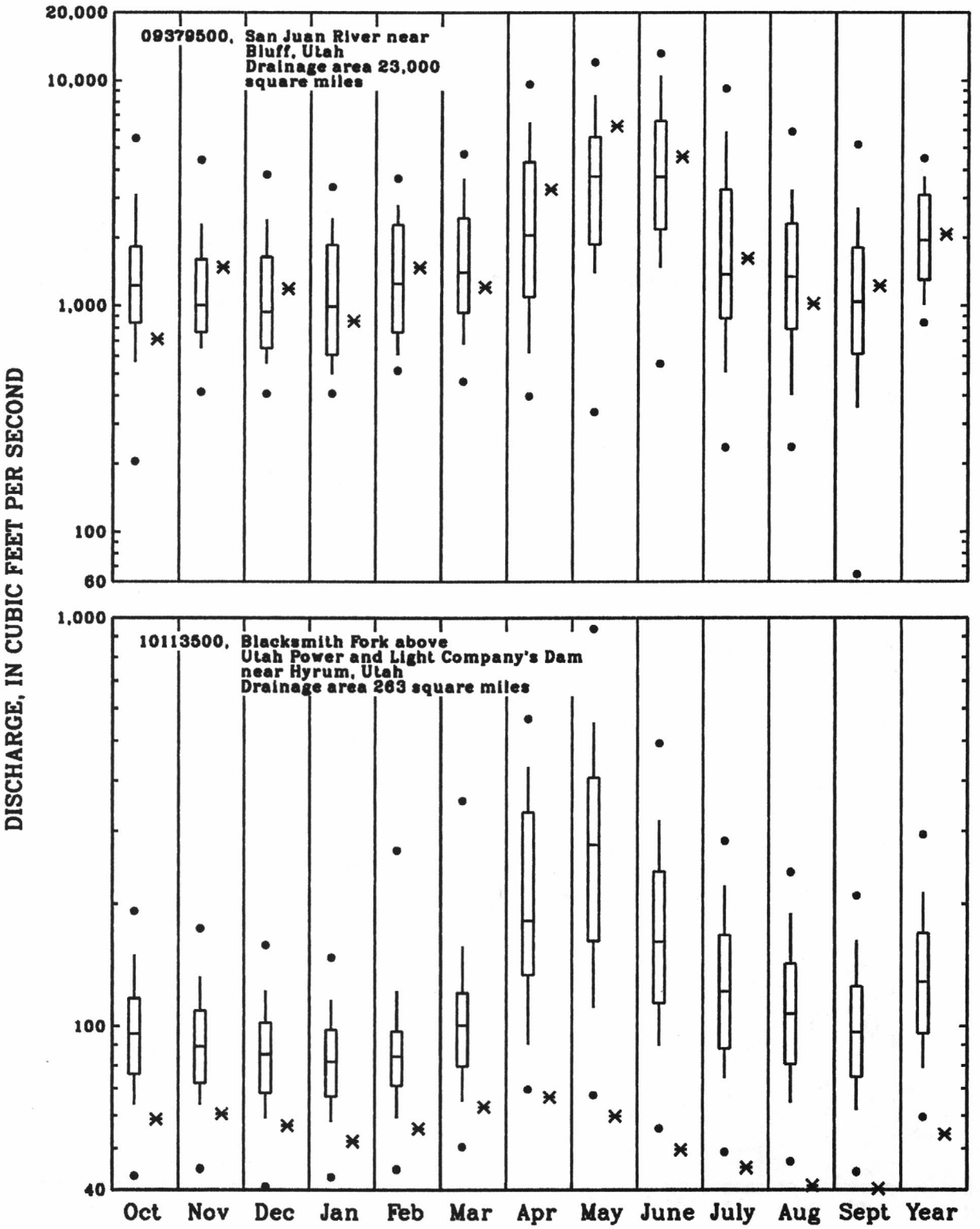


Figure 2. Comparison of monthly and annual mean discharges for water year 1992 with percentile distribution of monthly and annual mean discharges for water years 1944–91 at seven long–term, representative gaging stations–Continued.

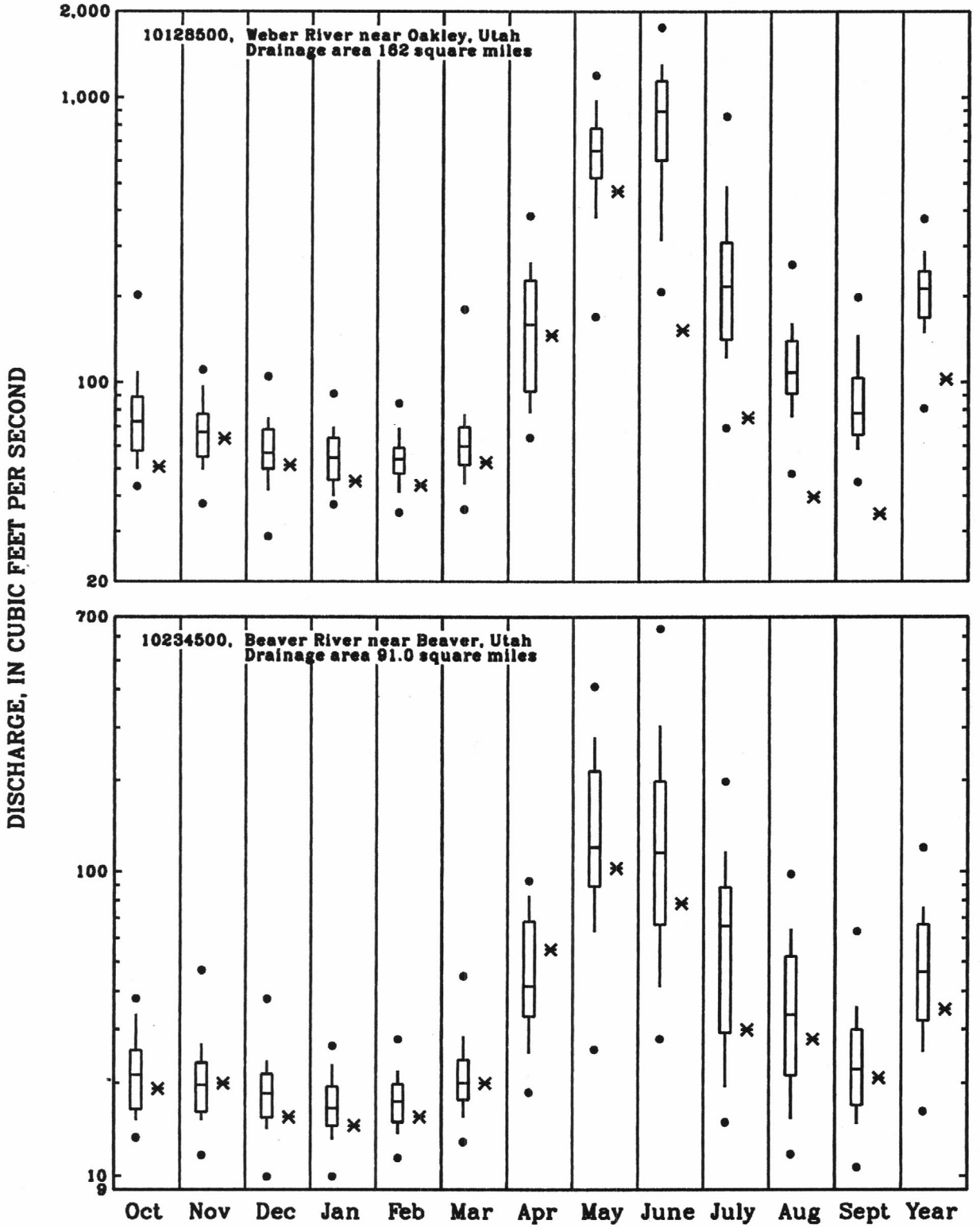


Figure 2. Comparison of monthly and annual mean discharges for water year 1992 with percentile distribution of monthly and annual mean discharges for water years 1944–91 at seven long-term, representative gaging stations–Continued.

Combined reservoir contents on September 30, 1992, for 15 selected reservoirs in Utah, averaged 20 percent of usable capacity. The long term (1961-90) average* percent-of-usable-contents for September 30 is 54 percent of capacity. The largest percent of capacity was at Joes Valley Reservoir near Orangeville, Utah (09323900), with 47 percent, the smallest was at Scofield Reservoir near Scofield, Utah (09311000), with 2 percent.

Storage in Bear Lake in northern Utah peaked at about 524,000 acre-feet on April 24 and 25, which was 99,000 acre-feet less than the peak storage for the 1991 water year (623,000 acre-feet), and 37 percent of usable capacity. Minimum storage in Bear Lake was about 220,000 acre-feet on September 30; the least since the 158,200 acre-feet recorded for April of 1936. In southern Utah, Lake Powell recorded the least storage contents since June 1973, 13,700,000 acre-feet during February 28 to April 17 (Tom Ryan, U.S. Bureau of Reclamation, oral commun. 1993).

Great Salt Lake reached a maximum daily mean elevation for the 1992 water year of 4,202.3 feet above sea level from March 16 to April 3, and on April 5-7, before lake levels began to decline. Great Salt Lake normally reaches its peak elevation between late April and early June. The 1991 water year peak elevation was 4,203.2 feet above sea level on June 5. The minimum daily mean elevation for the 1992 water year was 4,199.9 feet above sea level on September 25-30. This was 11.95 feet lower than the record maximum elevation of 4,211.85 feet above sea level recorded in 1986 and 1987, and the first time the lake level has dropped below 4,200 feet above sea level since September of 1982 (fig. 3).

Fluctuations in the level and salinity of Great Salt Lake occur because of changes in the balance of fresh water inflow and evaporation outflow. The salinity of the southern part of the lake, measured at the gage at the Saltair Beach Boat Harbor (10010000), shows an inverse relationship with the lake level (Arnow, 1984). Measured salinity, in percent, has ranged from a maximum of 16.9 on November 15, 1980, to a minimum of 5.1 on April 1 and May 15 of 1986 (fig. 4). The salinty of seawater is approximately 3.5 percent.

Six wells (fig. 5) were selected to show the trends in ground-water levels. The wells are in the Beryl-Enterprise area, Pahvant Valley, Salt Lake Valley, Curlew Valley, and the Vernal and Blanding areas. Declines in the Beryl-Enterprise area, Pahavant Valley, Salt Lake Valley, and Curlew Valley, and rises in the Vernal and Blanding areas are shown in the water level hydrographs in fig. 6. Water level declines were due to less-than-normal streamflow available for irrigation and ground-water recharge, and increased use of ground water for irrigation and public supply. The water-level hydrograph for well (D- 3- 1) 2ccc-1 in Sandy, a rapidly growing community near Salt Lake City, dramatically shows the result of increased demand for public supply (fig. 6). On September 30, 1992, a new record minimum water level was recorded at this well, 595.23 feet below land surface. This is a decline of -9.37 feet since the previous record low of 585.86 feet on September 7, 1991, and the sixth straight year when a record minimum water level has been set at this well.

Long-term water-quality data collected at 10 National Stream-Quality Accounting Network (NASQAN) and Benchmark stations in Utah (fig. 7) are graphically summarized with boxplots (fig. 8). Minimum, median, and maximum dissolved-solids concentration values for the 1992 water year are compared with the percentile distribution of dissolved solids concentrations for water years 1970-91. Generally, median dissolved-solids concentrations for the 1992 water year were near normal for most sites, except for Bear River near Corrine, Utah (10126000), and Weber River near Plain City, Utah (10141000), where the medians were greater than the 75th percentile. Dissolved-solids concentrations are a broad measure of quality of water, with lower concentrations associated with clean, fresh water, and higher concentrations associated with saline water.

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* Long-term averages provided by National Oceanic and Atmospheric Administration. Averages for East Canyon (1966-90) Joes Valley (1966-90) Starvation (1970-90) and Steinaker (1975-90) Reservoirs are calculated on the basis of the water years shown in parentheses.

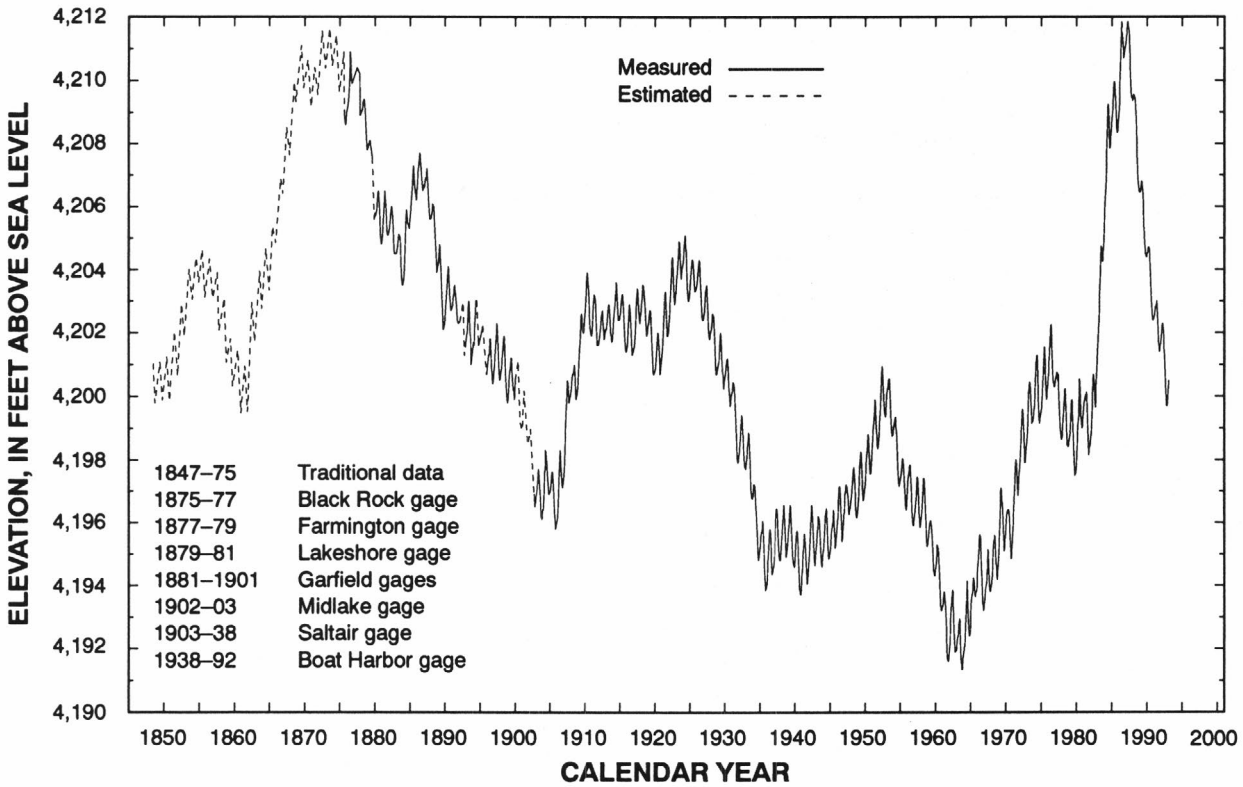


Figure 3. Fluctuations in elevation of the Great Salt Lake, 1845-1992.

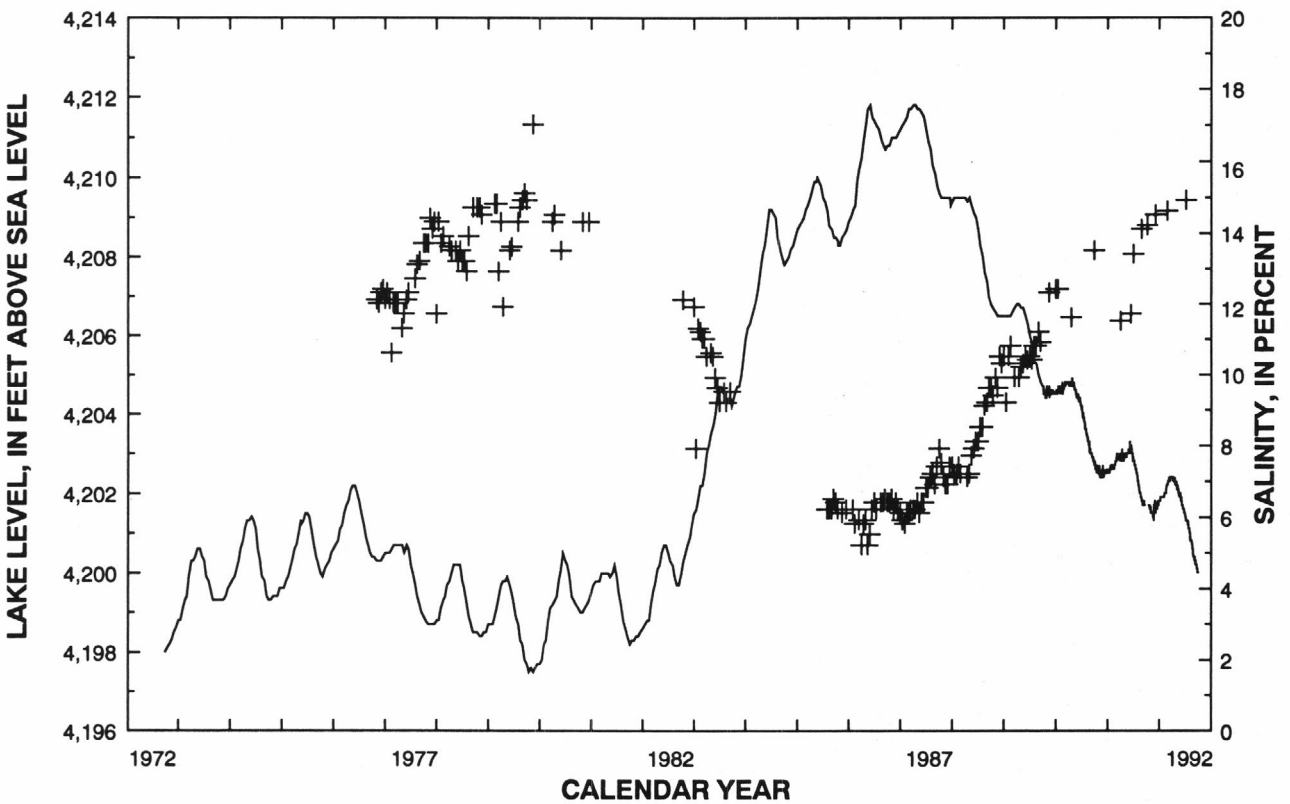


Figure 4. Fluctuations in elevation and salinity (+) of Great Salt Lake, 1972-92.

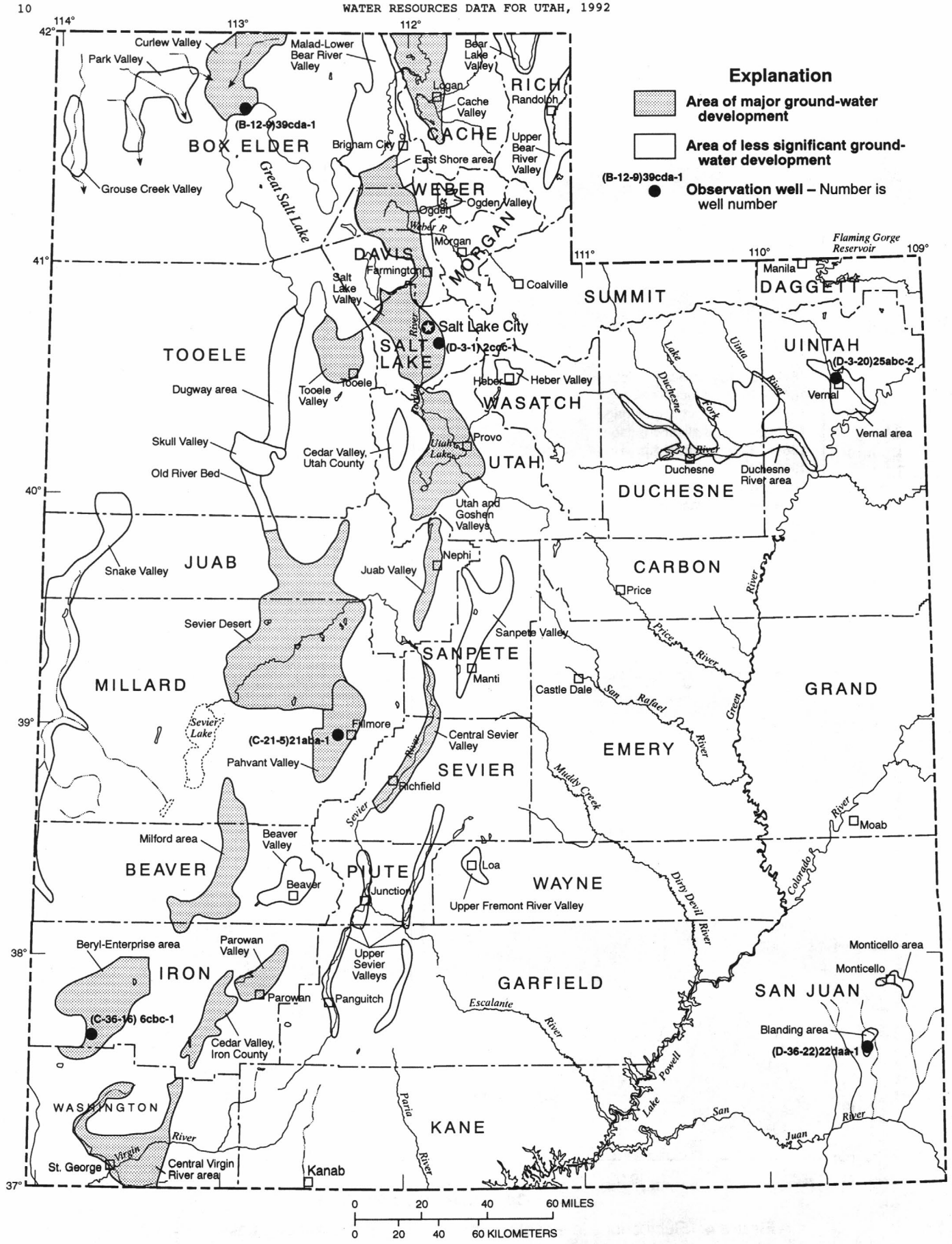


Figure 5. Areas of ground-water development and location of selected observation wells.

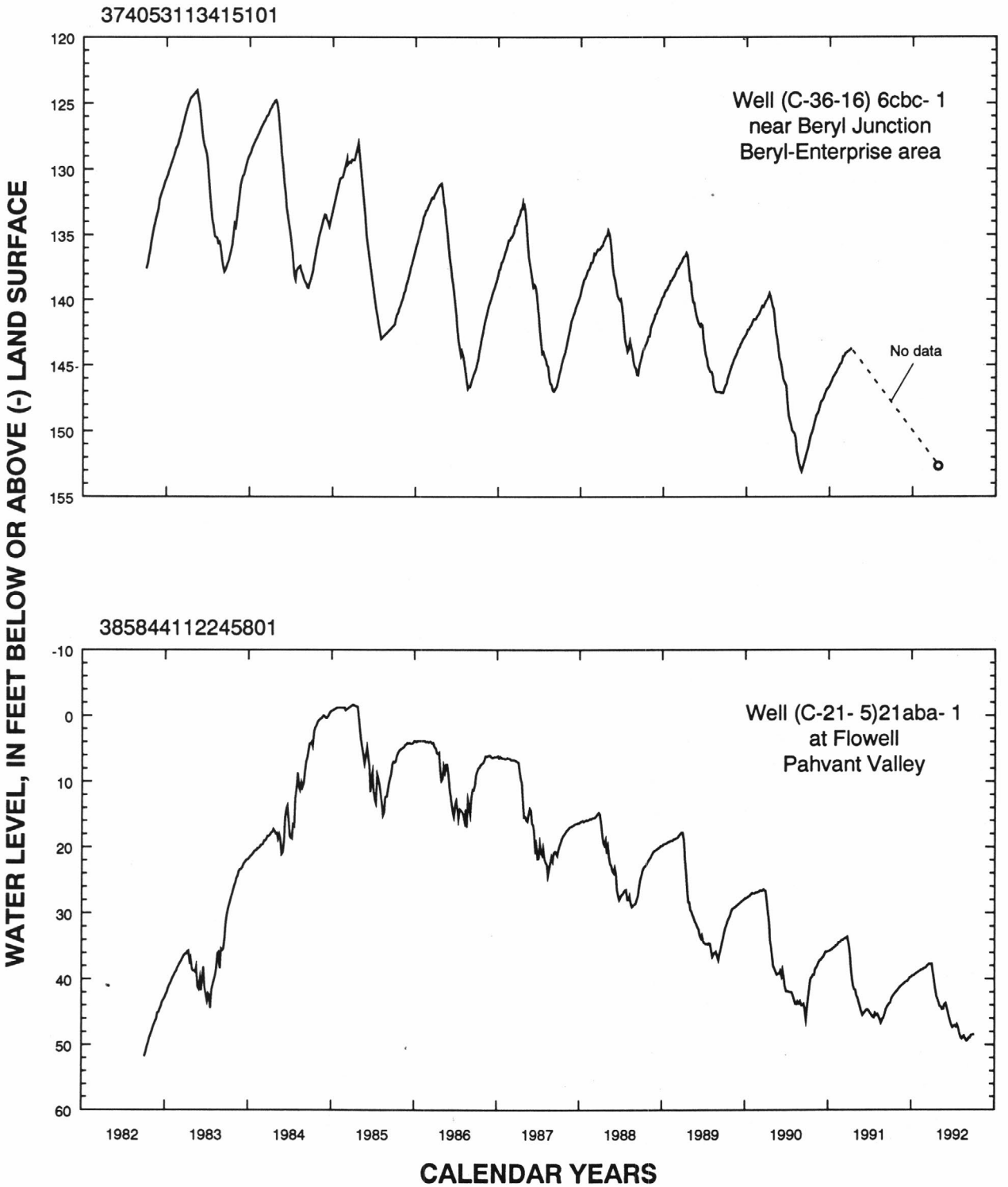


Figure 6. Fluctuation of water levels in selected wells for water years 1982-92.

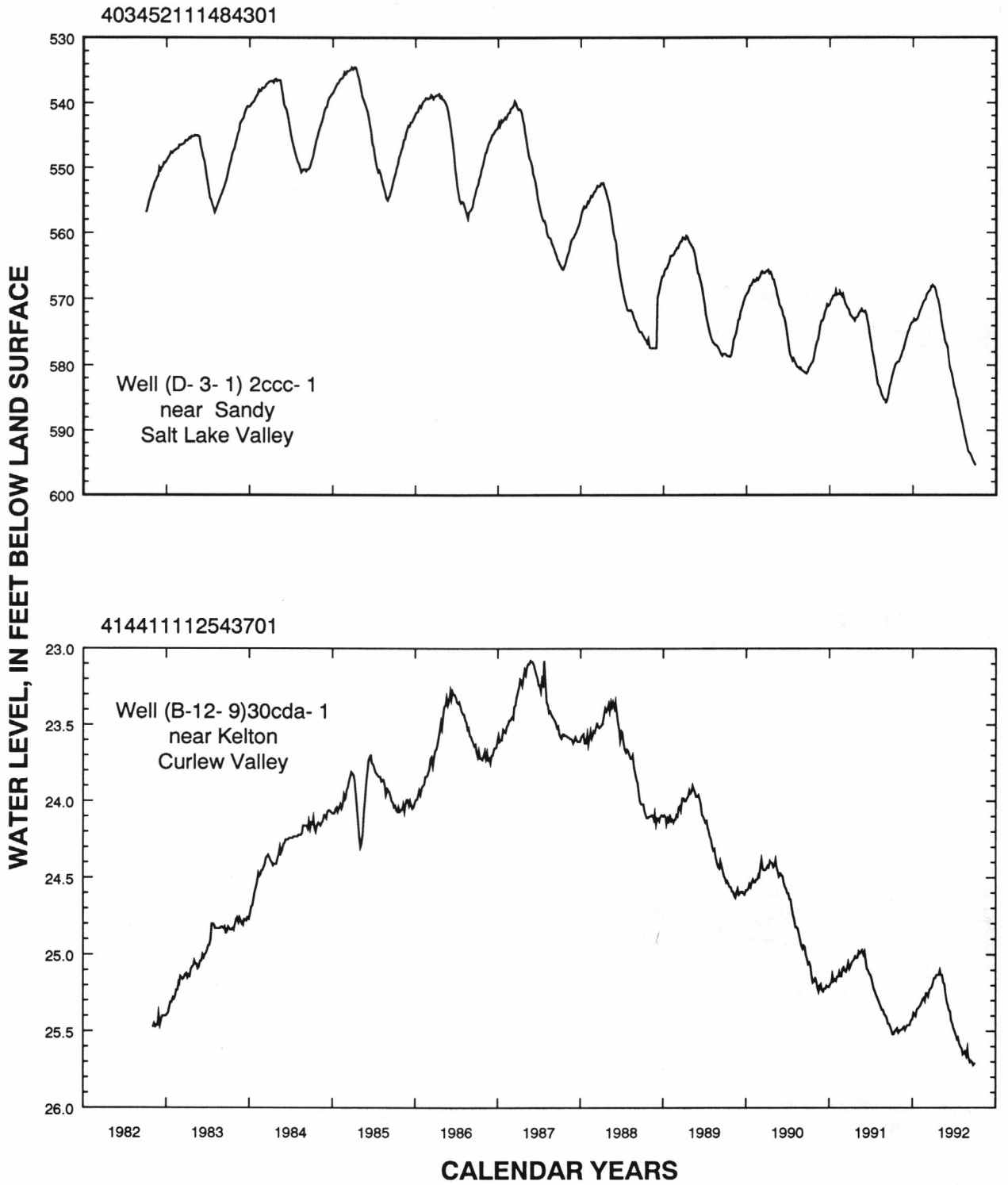


Figure 6. Fluctuation of water levels in selected wells for water years 1982-92--Continued.

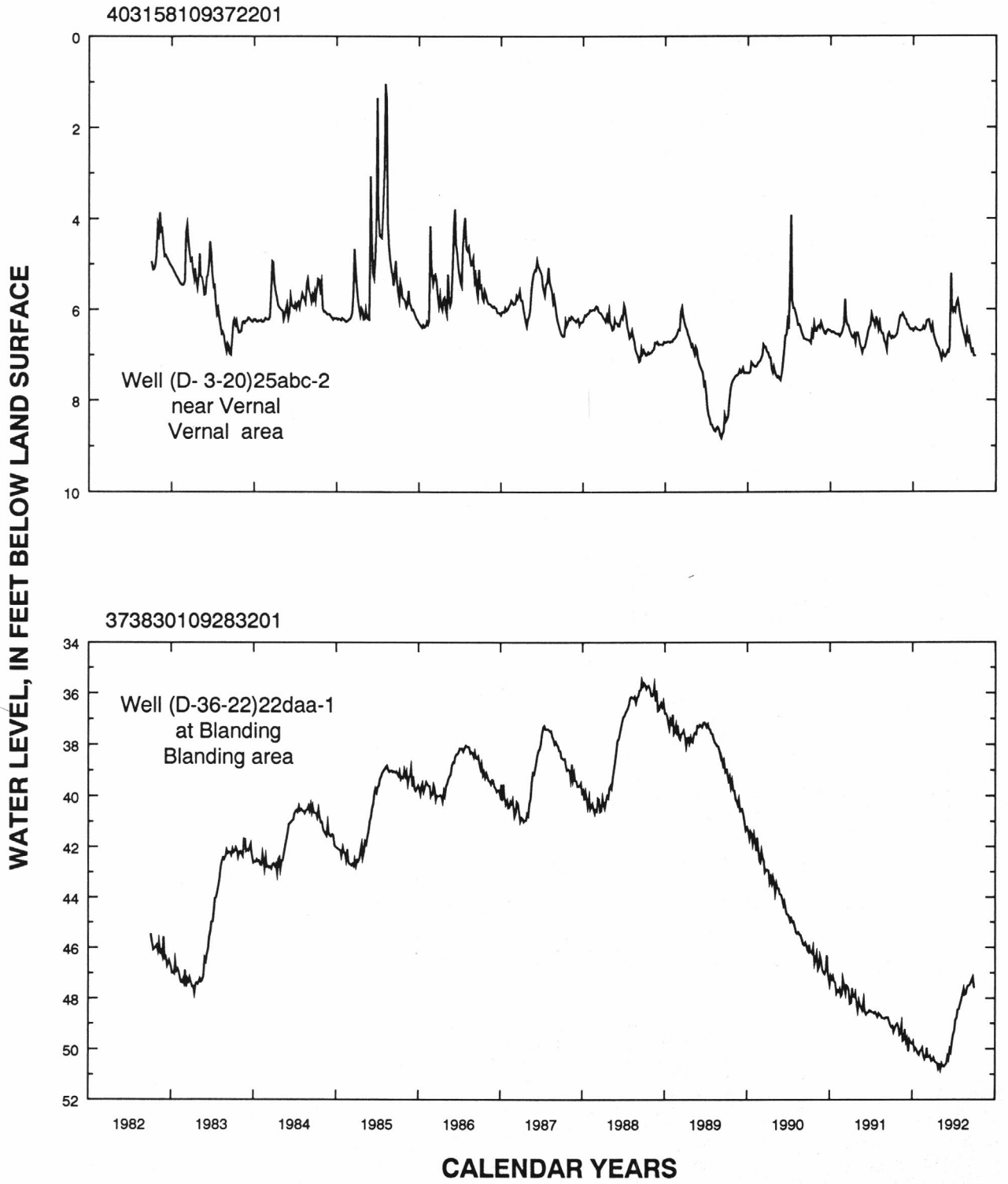
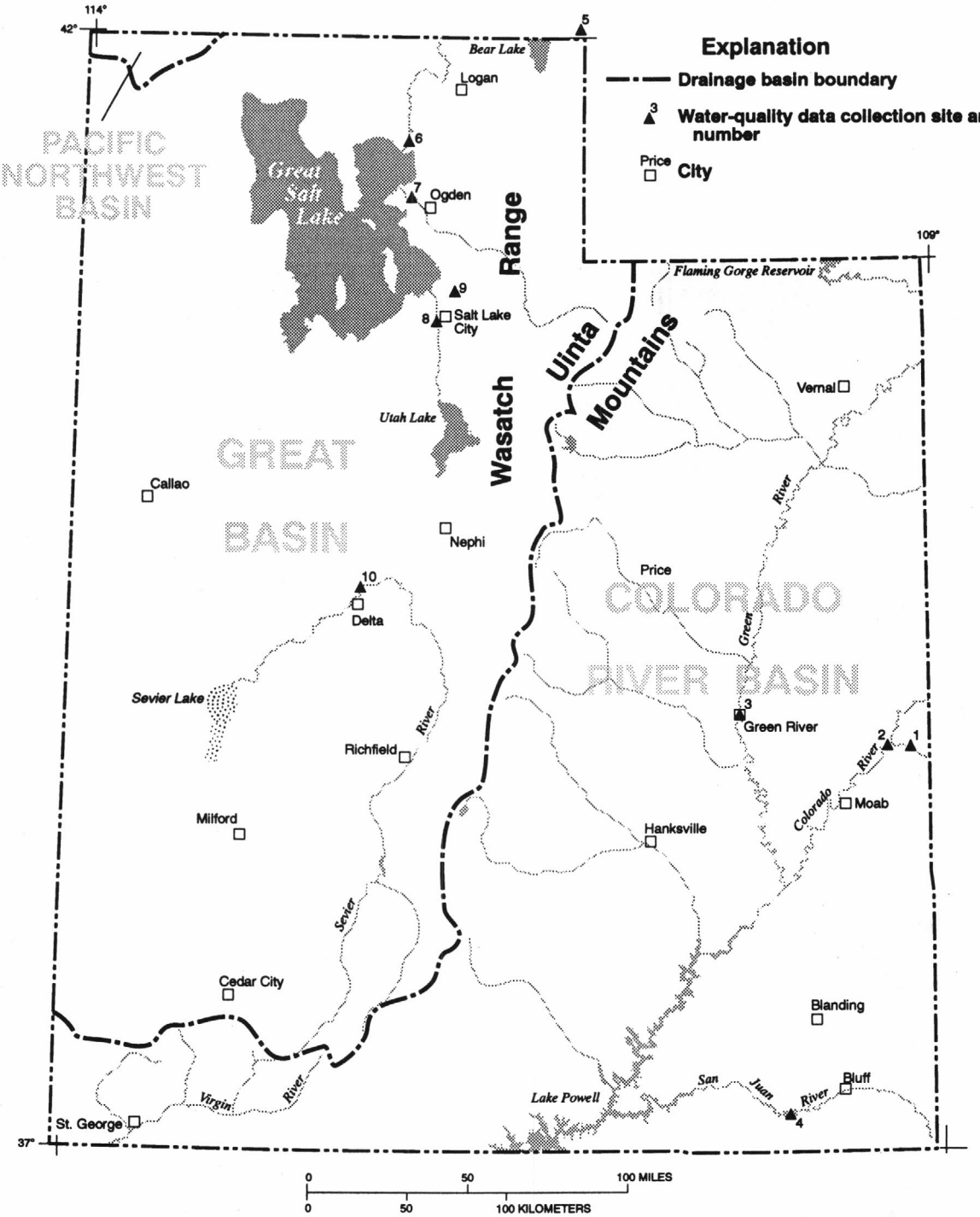


Figure 6. Fluctuation of water levels in selected wells for water years 1982-92--Continued.



1. Dolores River near Cisco, Utah
2. Colorado River near Cisco, Utah
3. Green River at Green River, Utah
4. San Juan River near Bluff, Utah
5. Bear River at Border, Wyoming
6. Bear River near Corrine, Utah
7. Weber River near Plain City, Utah
8. Jordan River at 1700 South at Salt Lake City, Utah
9. Red Butte Creek at Fort Douglas at Salt Lake City, Utah
10. Sevier River near Lynndyl, Utah

Figure 7. Location of ten National Stream-Quality Accounting Network (NASQAN) and bench mark gaging stations at which long-term water-quality data have been collected.

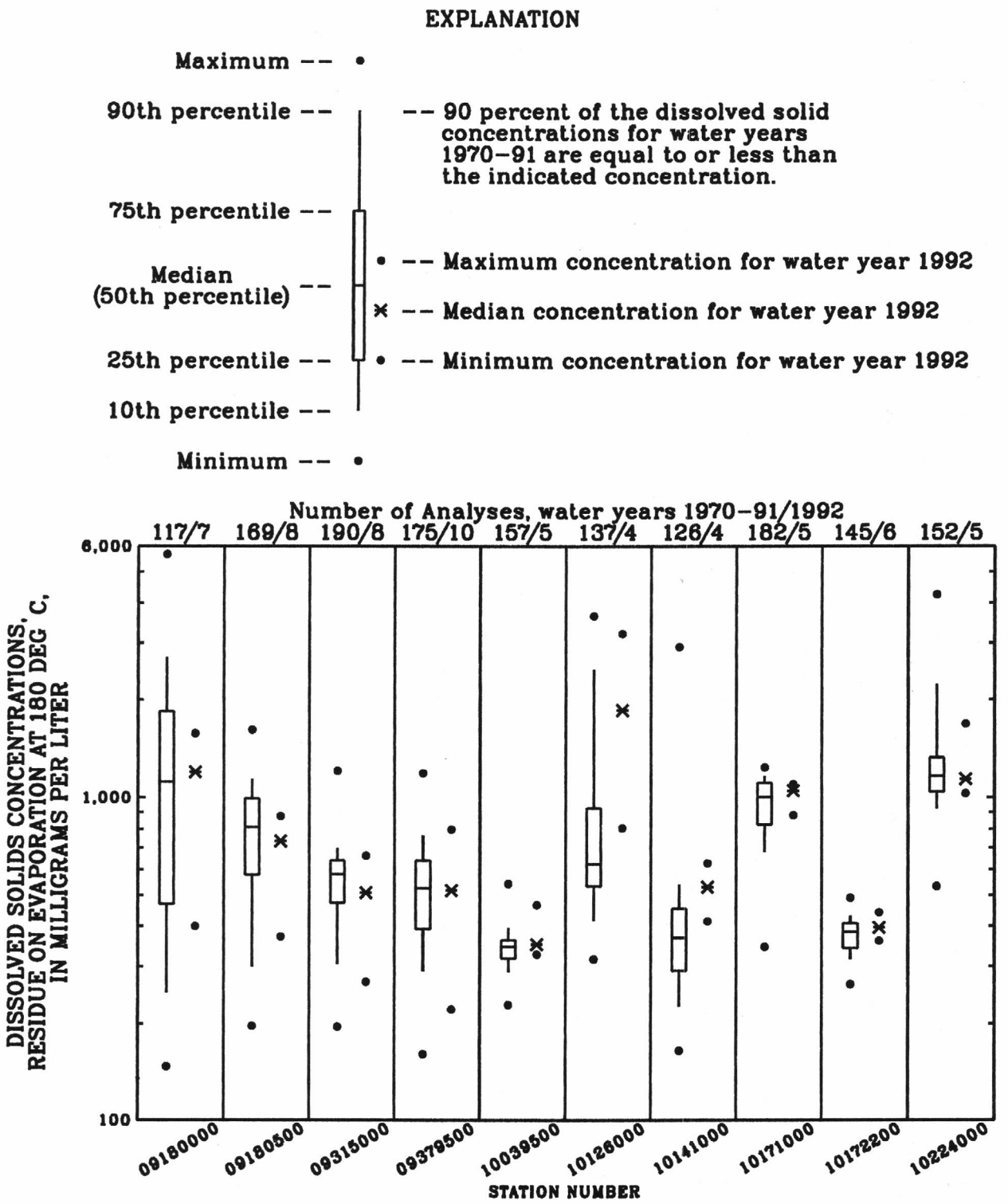


Figure 8. Comparison of minimum, median, and maximum dissolved-solids concentrations for water year 1992, with percentile distribution of dissolved-solids concentrations for water years 1970-91 at ten long-term, representative gaging stations.

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 equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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 disease, 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.

Fecal coliform bacteria are bacteria that are present in the intestines 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 ± 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 streptoccal bacteria are bacteria found also in the intestines of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci 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 ± 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.

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

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.

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 foot per second (Ft3/s, ft^3/s) 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.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calender 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.)

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.

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.

Dissolved refers to that material in a representative water sample which passes through a 0.45 μm 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.

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 non-contributing areas, within the area unless other-wise 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.

Epilimnion is the uppermost region of a stratified lake which is characterized as having water of nearly uniform temperature, and dissolved oxygen concentrations generally near saturation.

Eutrophic is a condition in which the water in the lake, pond, or reservoir is enriched with plant nutrients such as nitrogen and phosphorus which results in large amounts of plant and algal production. As the plants and algae die and sink to the bottom, an organic sediment is created which removes oxygen from the water as it decays.

Eutrophication is the natural process of enrichment and aging of a body of water that may be accelerated by the activities of man. Pertains to water bodies in which primary production of high because of a large supply of available nutrients.

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 polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCo3).

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 eight-digit number.

Hypolimnion is the lower region of a stratified lake which is characterized as having water with cooler temperatures, and low to very low concentrations of dissolved oxygen.

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.

Meso-eutrophic is intermediate stage in lake classification between the oligotrophic and eutrophic stages, in which primary production occurs at a greater rate than in oligotrophic lakes, but at a lesser rate than in eutrophic lakes. This is due to a moderate supply of nutrients.

Micrograms per liter (UG/L, μg/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 of 1929) is a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "MEAN SEA LEVEL."

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.

Partical-size is the diameter, in millimeters (mm), of a particle 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 agree with recommendation 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 dispertion 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 in terms of types, numbers mass or volume.

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 disintregrations per second. A picocurie yields 2.22 dpm (disintregrations per minute).

Sea level refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

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.

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 mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027.

Suspended-sediment load is a general term that refers 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 mass 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 henerally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

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.

Stratification is a natural process in which bodies of standing water become colder near the bottom and warmer near the surface. The two layers are separated by a thinner middle layer characterized by a rapidly changing temperature profile.

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 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.

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.

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, 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 m 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.

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, a tape, or any other medium.

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 is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

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 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.

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, 1992, is called the "1992 water year".

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).

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.

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

DOWNSTREAM ORDER AND STATION NUMBER

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 main-stream station are listed before that station. A station on a tributary entering between two main-stream 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 indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. 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 a series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes a 2-digit part number "03" plus the 6-digit downstream order number "041000."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site number system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, assign sequential numbers "01," "02," etc. as one would for wells. See figure 9.

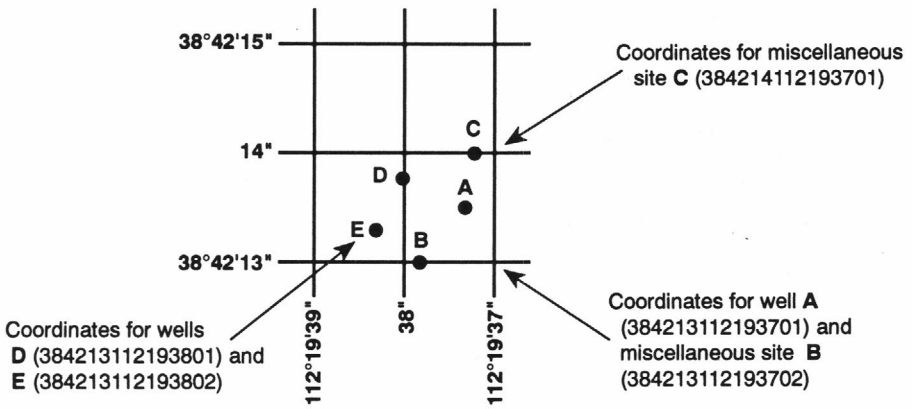


Figure 9. System for numbering wells and miscellaneous sites (latitude and longitude).

In addition to the well number that is based on latitude and longitude given for each well, another well number is given that is based on the U.S. Bureau of Land Management's system of land subdivision. This well number is familiar to the water users of Utah and shows the location of the well by quadrant, township, range section, and position within the section. See figure 10. The capital letter at the beginning of the location number indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian--A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the township, the second the range, and the third the section in which the well is located. Lowercase letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counter-clockwise direction beginning with (a) in the northeast quarter of the section. Letters are assigned within each quarter section and quarter-quarter section in the same manner. Where two or more locations are within the smallest subdivision, consecutive numbers beginning with 1 are added to the letters in the order in which the wells are inventoried. For example, (C-16-9)15daa-2 indicates a well in the northeast quarter of the northeast quarter of the southeast quarter of sec. 15, T.16 S., R.9 W., and shows that this is the second well inventoried in the quarter-quarter-quarter section. The capital letter C indicates that the township is south of the Salt Lake Base Line and that the range is west of the Salt Lake Meridian.

In addition to the Salt Lake Base Line and Salt Lake Meridian, which apply to most of Utah, the Uintah Base Line and Meridian are the basis for describing locations in a small, irregularly shaped area of north-eastern Utah. The quadrants, townships, ranges, sections, and parts of sections are designated in the same way as for the Salt Lake Base Line and Meridian. For any location in the Uintah area, however, the letter "U" precedes the parenthesis.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is a network of sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analysis on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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 natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. 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 for, (2) description of the areal variability of water quality in the Nations rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations (fig. 11) 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. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, 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 curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. 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 engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

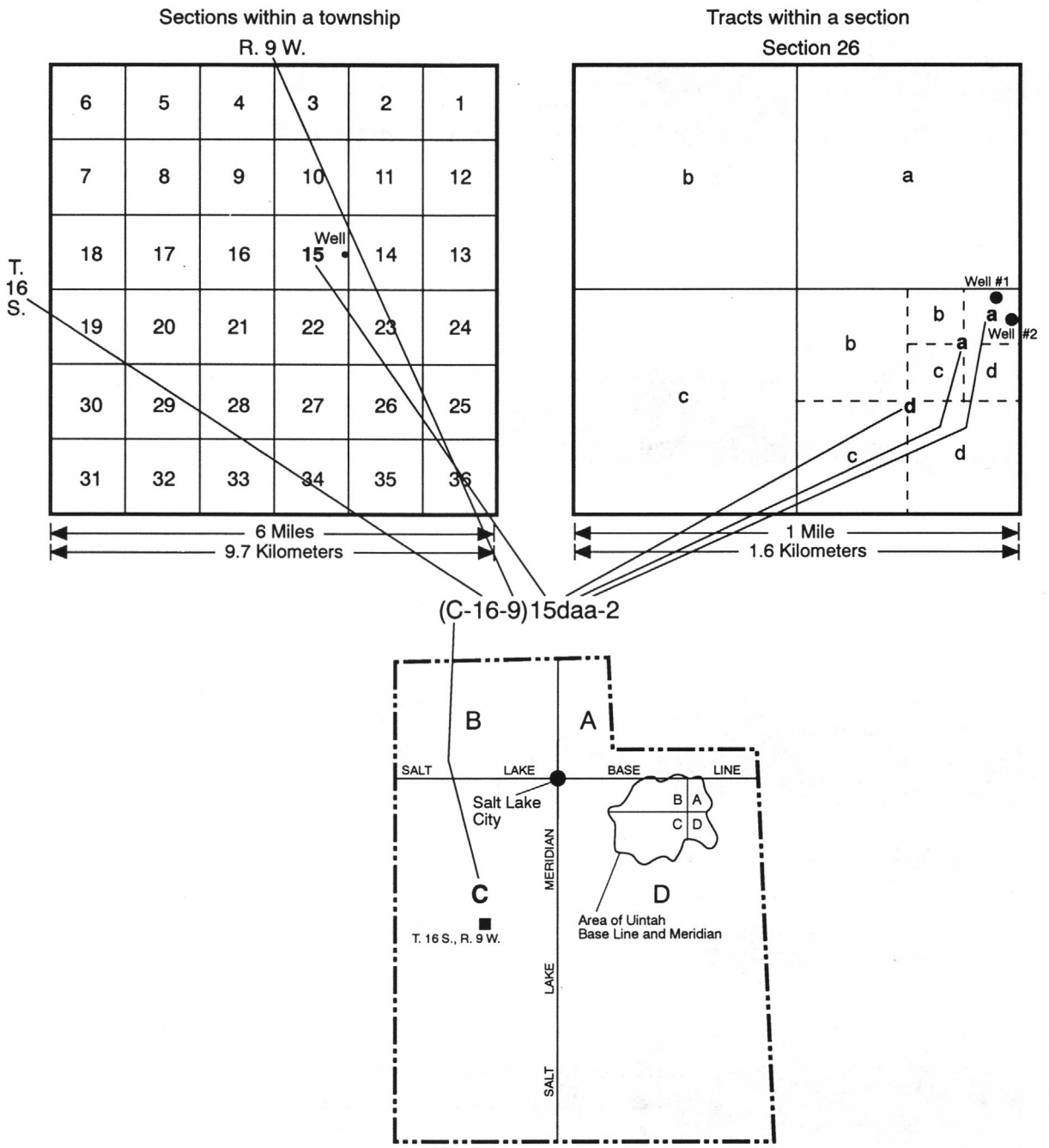


Figure 10. System for numbering wells (township and range).

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and computation of the discharge in the usual manner is impossible. 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 by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are 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 on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

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 tabiular 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 continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; 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 gaging station with respect to the cultural and physical features in the vicintiy 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 likewse varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which records have been published 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 flow at it can reasonably be considered equivalent to flow at the present station.

REVISED RECORDS.--Because of new information, published records 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 dioscharge 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 will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; 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 U.S. Geological Survey by a cooperating organization are identified here.

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.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first reprot 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 (address given on the back of the title page of this report) to determine if the published records were ever revised after the station was discontinued. Of course, if the data for a discontinued station 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 stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging 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 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. 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 date 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 shwn 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 tile 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 equivalent to 43,560 cubic feet or about 326,000 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 of 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 is exceeded by 10 percent of the flow for the designated period.

50 PERCENT EXCEEDS.--The discharge that is exceeded by 50 percent of the flow for the designated period.

90 PERCENT EXCEEDS.--The discharge that is exceeded by 90 percent of the flow for the designated period.

Data collected at partial-record stations follow the information for continous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge meausrements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continous-record or partial-record stations. 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.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data 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 observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good," within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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 to 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 for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. 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 discharge measurements, gage-height records, and rating tables is available from the district office. Also, most gaging-station records are available in computer-usable form and many statistical analysis have been made.

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations (fig. 12). The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, etc.); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

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 at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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 and minimum 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.

REMARK CODES

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

PRINTED OUTPUT	REMARK
E	Estimated.
>	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 acceptable 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.

NOTE: In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias.

Historical and current (1991) 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.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; 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, maximum and minimum temperatures for each day are published.

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 have been collected more frequently (twice daily). The published sediment discharges for days of rapidly changing flow or concentration were 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 was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were 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 data were 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 eeasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the streams.

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

Accuracy of Laboratory analysis

In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L gave a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulface values in this report have not been corrected for this bias.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

Only ground-water level data from selected wells with continuous recorders from a basic network of observation wells are published herein (fig. 13). This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs (see figures 8 and 9).

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either the National Geodetic Vertical Datum of 1929 or land-surface datum (lsd). National Geodetic Vertical Datum of 1929 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 altitude of the land-surface datum above the National Geodetic Vertical Datum of 1929 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 of 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 hundreths 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.

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 as its National Center in Reston, Virginia, and consists of related files and data bases.

* Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where tha U.S. Geological Survey collects or has collected data.
* Daily Values File - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
* Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
* Peak Flow File - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
* Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
* Ground-Water Site Inventory Data Base - Contains inventory data for more that 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

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 obtrained 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:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District office. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado, 80225.

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. Ficken, 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. *Application 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. S. 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 W. 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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

3-AI0. *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.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F. A. Kilpatrick, R. E. Rathburn, Nobuhiro 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 R. L. Cooley and R. 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.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 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. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 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. Schaffrannek, 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.

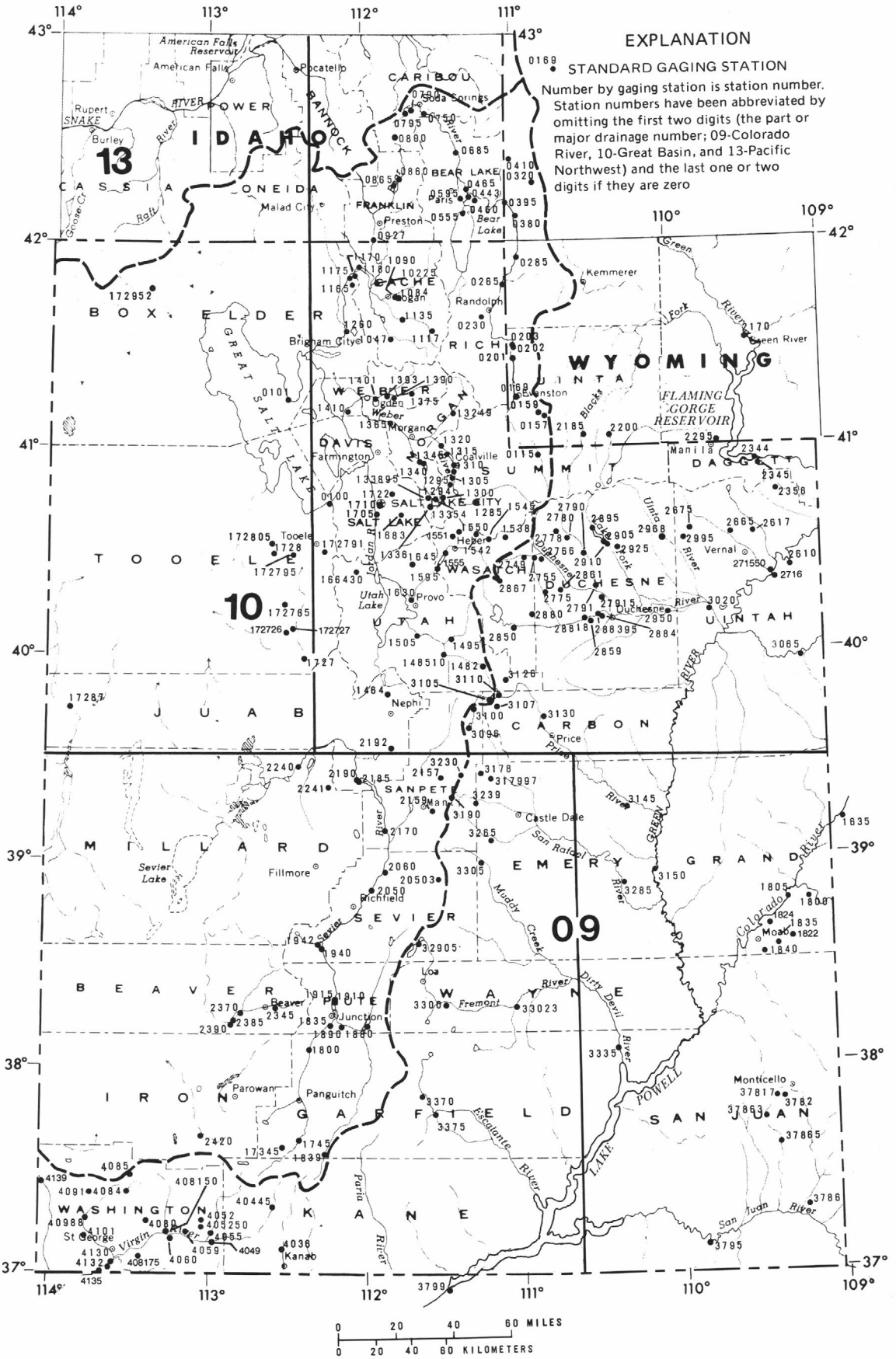


Figure 11. Map showing location of gaging stations in Utah.

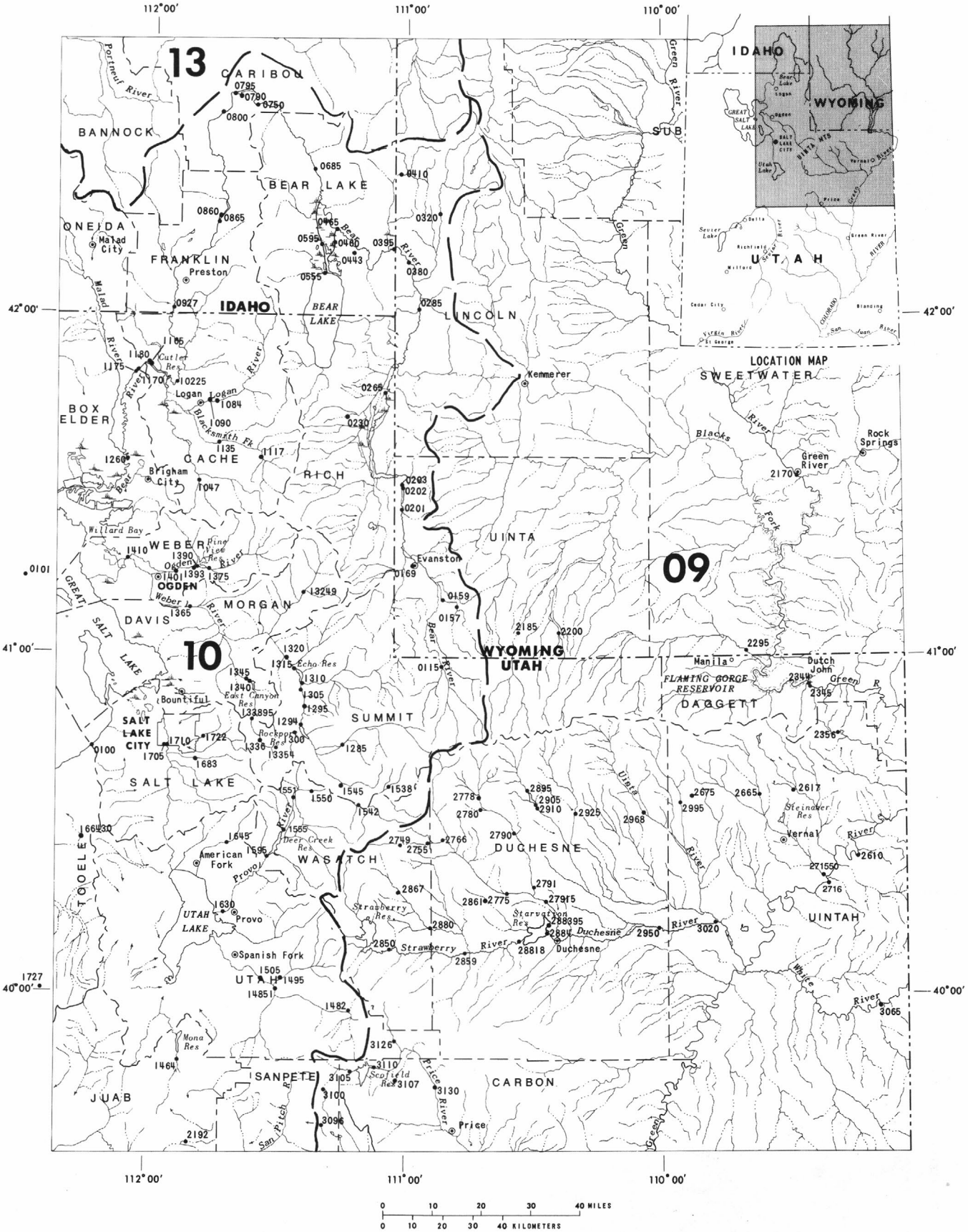


Figure 11. Map showing location of gaging stations in Utah -- Continued.

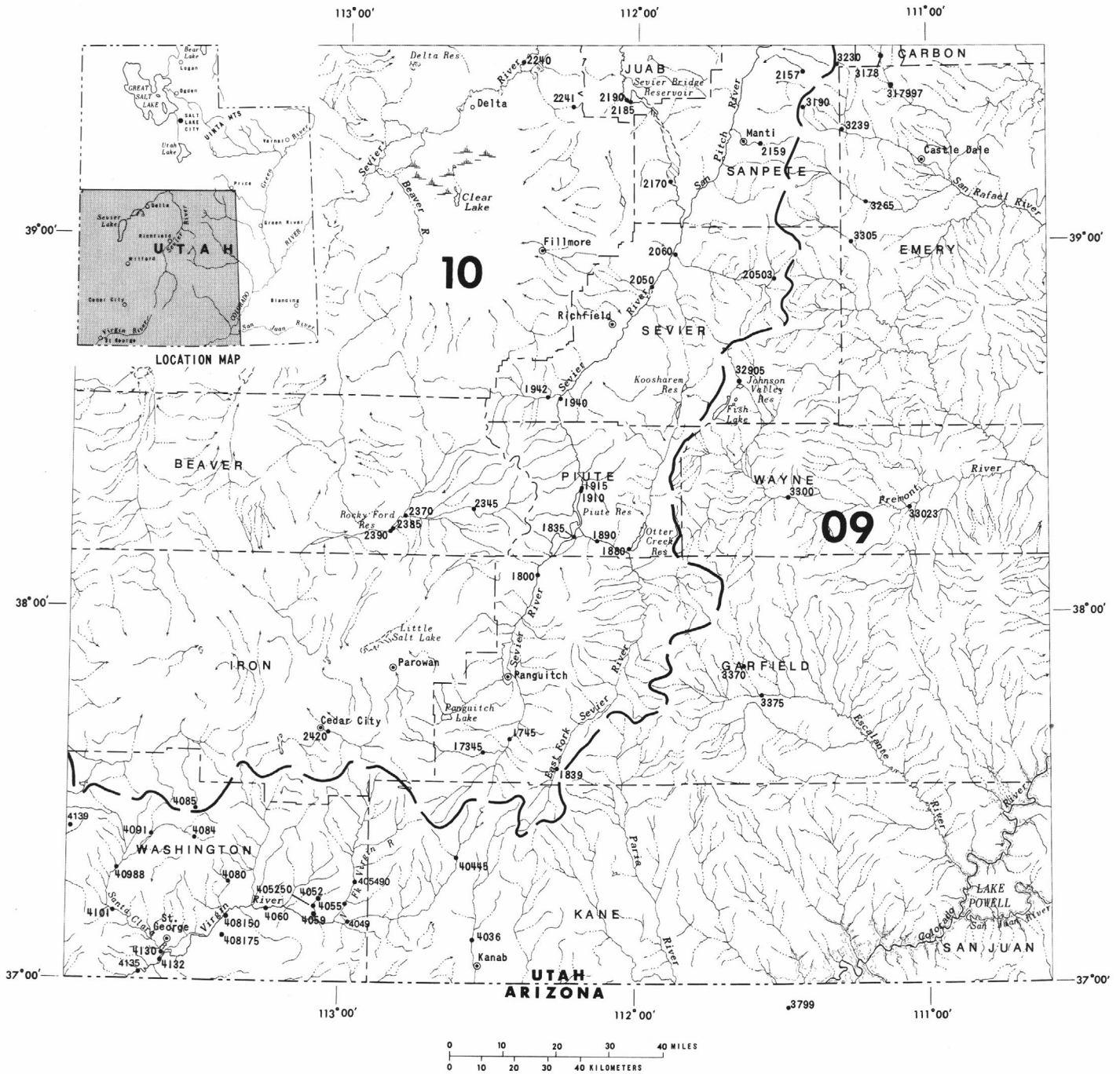


Figure 11. Map showing location of gaging stations in Utah -- Continued.

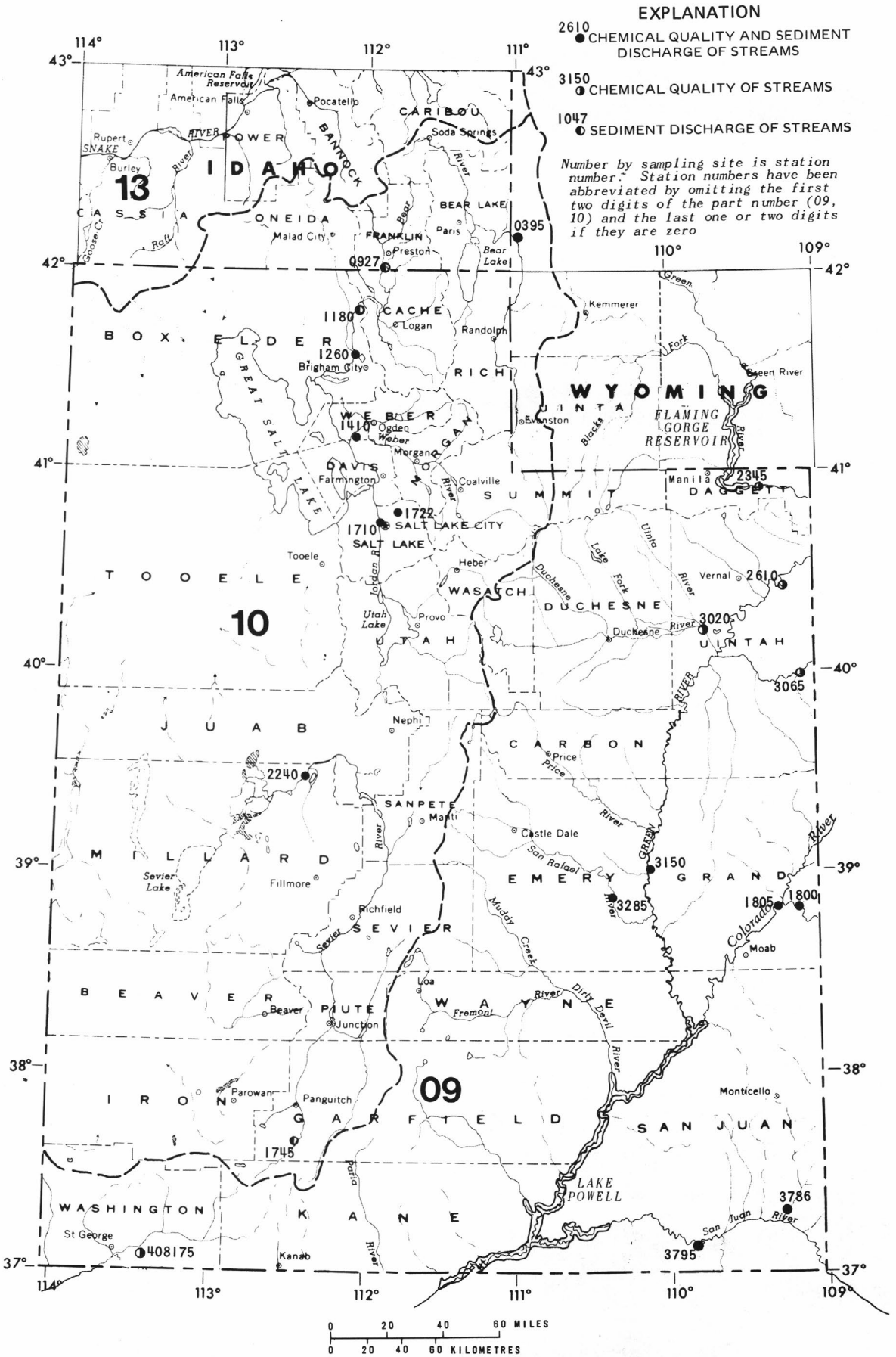


Figure 12. Map showing location of surface-water-quality stations in Utah.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'45", long 109°01'36", in SE¼NW¼ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.7 mi downstream from McDonald Creek, 1.5 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi!.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to current year.

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,325 ft above National Geodetic Vertical Datum of 1929, from topographic map. May 1951, to October 1979, water-stage recorder at site 5.7 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Jan. 14-21, and Jan. 24 to Feb. 3. Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

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	4410	4870	3990	3450	2750	2930	3590	7690	11200	5370	3270	3780
2	4260	4540	3820	3550	2700	2940	3680	8530	10400	5000	3160	3790
3	4170	4500	3510	3380	2800	2980	3810	8260	9430	4750	3100	3860
4	4020	4200	3750	3200	2960	2990	3750	7810	8750	4530	3030	3840
5	3940	4290	3750	3350	2930	3330	3830	7590	8400	4210	3040	3830
6	3610	4490	3820	3520	3090	3590	3940	7440	8680	4160	3110	3710
7	3540	4690	3890	3580	2900	3350	3730	7340	8820	4070	3470	3690
8	3290	4770	3870	3570	2840	3220	4120	8140	8460	3960	3730	3600
9	2950	4700	3900	3500	2940	3160	4630	9430	7970	4420	3740	3480
10	2780	4580	3980	3370	3030	3130	4750	10500	7510	5400	3690	3320
11	2740	4520	3900	3330	3180	3060	4880	9860	7360	4650	3450	3140
12	2710	4550	3910	3260	3220	2960	5340	8160	7410	4580	3360	3030
13	2940	4690	3970	3270	3280	2930	5640	8190	7600	5000	3430	2970
14	3790	4490	3830	3150	3390	2950	6230	8880	7770	4890	3430	3030
15	3800	4710	3650	3150	3340	2960	6390	9940	7890	4720	3350	3170
16	3890	5050	3400	3050	3250	3060	6880	10300	7550	4470	3260	3280
17	3500	4600	3430	2850	3090	3160	6870	10300	7010	4250	3310	3480
18	3250	4460	3610	2650	2990	3100	6640	10200	6410	3810	3440	3480
19	3340	4630	3710	2650	2910	3110	7000	10300	5850	3480	3470	3470
20	3580	4340	3830	2650	2850	2980	6550	10500	6030	3410	3310	3710
21	3770	3540	3880	2700	2820	2820	5570	11500	6320	3440	3200	4150
22	3860	3500	3800	2720	3040	2930	4750	12700	6400	3430	3180	3780
23	3640	3820	3630	2810	3050	3000	4230	11900	6270	3410	3360	3630
24	4260	4010	3520	2750	2980	3020	4060	10900	5950	3680	3950	3520
25	5040	3770	3400	2750	2930	2930	3940	10700	5950	4310	4330	3450
26	4800	3990	3320	2750	2880	2890	4040	11100	6420	4510	4490	3360
27	4760	4150	3250	2750	2880	2880	4270	12300	6530	4440	4830	3370
28	5250	4070	3290	2750	2880	3260	4600	15800	6470	4170	4490	3380
29	5170	4060	3300	2800	2910	3760	5410	14400	5980	3840	4130	3350
30	4760	4060	3380	2750	---	3770	6520	12700	5660	3590	3960	3260
31	4680	---	3360	2750	---	3640	---	11800	---	3360	3810	---
TOTAL	120500	130640	113650	94760	86810	96790	149640	315160	222450	131310	110880	104910
MEAN	3887	4355	3666	3057	2993	3122	4988	10170	7415	4236	3577	3497
MAX	5250	5050	3990	3580	3390	3770	7000	15800	11200	5400	4830	4150
MIN	2710	3500	3250	2650	2700	2820	3590	7340	5660	3360	3030	2970
AC-FT	239000	259100	225400	188000	172200	192000	296800	625100	441200	260500	219900	208100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1992, BY WATER YEAR (WY)

MEAN	3865	3947	3567	3355	3443	3784	5836	13910	17190	7538	3746	3519
MAX	7672	6925	5993	6129	5996	7486	15600	37960	43830	29590	10190	6767
(WY)	1987	1987	1986	1985	1985	1986	1985	1984	1957	1957	1983	1984
MIN	1916	2363	2048	1871	1815	1984	1631	2283	2688	1662	1350	1361
(WY)	1957	1978	1964	1964	1964	1964	1977	1977	1977	1977	1977	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951 - 1992	
ANNUAL TOTAL	1876230		1677500			
ANNUAL MEAN	5140		4583		6144	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	19200	Jun 16	15800	May 28	68300	May 27 1984
LOWEST DAILY MEAN	1740	Jan 1	2650	a Jan 18	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2010	Jan 1	2700	Jan 18	1110	Sep 2 1956
INSTANTANEOUS PEAK FLOW			16500	May 28	69800	May 27 1984
INSTANTANEOUS PEAK STAGE			6.24	May 28	b 16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	3722000		3327000		4451000	
10 PERCENT EXCEEDS	12000		7830		13700	
50 PERCENT EXCEEDS	3830		3770		3870	
90 PERCENT EXCEEDS	2580		2930		2210	

a-Also occurred Jan 19, 20.
b-From high-water mark.

09180000 DOLORES RIVER NEAR CISCO, UT

LOCATION.--Lat 38°47'50", long 109°11'40", in SW¼SE¼ sec. 18, T. 23 S., R. 25 E., Grand County, Hydrologic Unit 14030004, on left bank 0.2 mi downstream from Line Canyon, 9.1 mi upstream from mouth, 13.5 mi downstream from Colorado-Utah State line, and 13.9 mi southeast of Cisco.

DRAINAGE AREA.--4,580 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

REVISED RECORDS.--WDR UT-75-1: 1974.

GAGE.--Water-stage recorder. Elevation of gage is 4,165 ft above NGVD of 1929, from river-profile map. Dec. 6, 1950 to Apr. 18, 1967, at site 200 ft downstream at different datum; Apr. 19, 1967 to Sept. 3, 1975 at site 10 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Macphee Reservoir, capacity, 381,000 acre-ft, since 1986. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 ft^3/s Apr. 21, 1958, gage height, 9.84 ft at different datum; minimum, 3.4 ft^3/s Sept. 23, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 11	2001	3,740	10.06	May 26	2206	*6,760	*11.19

Minimum daily discharge, 89 ft^3/s Sept. 15.

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	106	177	183	186	e117	247	507	2520	3540	604	258	164
2	106	171	161	173	e119	255	595	2790	3200	583	232	162
3	152	163	193	163	e118	260	654	2820	2370	494	217	165
4	145	156	177	110	e110	262	723	2740	2020	443	205	162
5	139	154	159	135	e106	258	956	2600	1950	449	193	153
6	134	145	158	185	e111	253	1250	2610	2080	458	186	146
7	142	161	192	189	e105	246	1630	2440	2210	481	169	138
8	137	158	173	164	e121	236	2100	2420	2380	503	228	137
9	143	163	169	176	e131	241	2230	2530	2340	511	305	126
10	132	167	171	159	e159	234	2450	2880	1840	565	306	116
11	135	167	187	150	e200	218	2850	2640	1630	508	237	109
12	131	167	204	122	e250	204	2930	2590	1480	507	207	101
13	132	160	e170	133	e282	191	2910	2260	1430	870	202	93
14	129	166	e160	169	e291	195	2790	2220	1500	767	202	98
15	127	180	169	144	e282	200	3000	2240	1560	559	199	89
16	137	279	146	e128	e271	196	2930	2250	1550	443	221	100
17	122	366	119	e139	e260	178	2630	2370	1170	416	181	92
18	127	331	153	e110	e250	179	3050	2450	908	353	165	110
19	126	232	215	e98	e242	193	3290	2440	921	318	153	148
20	124	195	192	e96	e240	203	2690	2180	886	306	153	139
21	128	170	221	e96	e233	216	2330	2260	931	289	144	122
22	127	155	207	e94	280	243	2250	2290	850	285	149	149
23	128	171	182	e94	319	240	2170	2640	799	274	128	165
24	140	184	181	e98	290	236	2100	3230	748	385	148	144
25	151	159	144	e100	276	237	2040	3720	712	458	235	128
26	169	151	152	e105	268	233	2070	4750	721	843	334	119
27	156	174	159	e110	273	239	2140	4780	712	630	271	113
28	174	175	151	e110	257	295	2270	5790	652	449	258	110
29	170	184	165	e105	257	367	2420	6200	576	358	210	109
30	178	174	160	e105	---	413	2510	5090	614	314	190	110
31	173	---	149	e110	---	454	---	4230	---	279	173	---
TOTAL	4320	5555	5322	4056	6218	7622	64465	94970	44280	14702	6459	3817
MEAN	139	185	172	131	214	246	2149	3064	1476	474	208	127
MAX	178	366	221	189	319	454	3290	6200	3540	870	334	165
MIN	106	145	119	94	105	178	507	2180	576	274	128	89
AC-FT	8570	11020	10560	8050	12330	15120	127900	188400	87830	29160	12810	7570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1992, BY WATER YEAR (WY)

MEAN	279	341	261	192	286	442	1642	1943	1170	415	271	202
MAX	617	894	606	370	518	896	4236	4811	2848	859	665	325
(WY)	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1988
MIN	133	145	115	109	190	142	177	397	411	213	91.0	80.6
(WY)	1990	1991	1990	1990	1990	1990	1990	1990	1989	1989	1990	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1992	
ANNUAL TOTAL	144621		261786			
ANNUAL MEAN	396		715		620	
HIGHEST ANNUAL MEAN					1471	1987
LOWEST ANNUAL MEAN					200	1990
HIGHEST DAILY MEAN	2130	May 22	6200	May 29	7320	Apr 26 1987
LOWEST DAILY MEAN	98	Sep 2	89	Sep 15	34	Aug 12 1990
ANNUAL SEVEN-DAY MINIMUM	110	Sep 26	97	Jan 19	39	Aug 8 1990
ANNUAL RUNOFF (AC-FT)	286900		519300		449500	
10 PERCENT EXCEEDS	1060		2430		1420	
50 PERCENT EXCEEDS	191		206		270	
90 PERCENT EXCEEDS	132		119		118	

e Estimated

09180000 DOLORES RIVER NEAR CISCO, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1951 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.
WATER TEMPERATURES: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.
SUSPENDED-SEDIMENT DISCHARGE: March 1951 to December 1953, October 1957 to September 1964.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 21,600 microsiemens July 9, 1977; minimum, 240 microsiemens June 22, 1983.
WATER TEMPERATURES: Maximum, 29.0°C Aug. 14, 1958, July 18, 1977; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 6,720 microsiemens Dec. 20; minimum observed, 360 microsiemens Apr. 14, 15.
WATER TEMPERATURES: Maximum observed, 26.0°C July 5, 30, 31, Aug. 1-4; minimum observed, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
OCT 01...	1205	104	2200	8.2	27.0	18.0	--	7.6	650	--	--	530
NOV 22...	1100	158	1940	8.2	3.0	4.0	1000	10.8	660	<1	<1	530
MAR 26...	1030	229	2700	8.4	13.5	11.0	220	10.0	660	<1	<1	420
APR 06...	1000	1070	650	8.1	15.0	12.0	1400	9.6	650	<1	<1	190
JUN 26...	1045	738	810	8.3	30.0	20.0	28	7.6	651	--	--	180
JUL 22...	1015	265	1420	8.4	32.0	22.5	120	7.0	650	--	--	340
AUG 25...	1130	272	1790	8.3	25.0	19.0	--	8.0	650	--	--	390

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 01...	130	50	300	54	6	14	--	--	--	450	460	0.5
NOV 22...	140	44	190	43	4	9.4	0	185	150	500	200	0.3
MAR 26...	98	42	410	67	9	19	7	168	150	300	590	0.4
APR 06...	50	15	53	37	2	5.1	0	120	98	130	63	0.2
JUN 26...	52	12	85	50	3	4.6	0	100	82	100	130	0.1
JUL 22...	93	26	150	48	4	7.8	5	136	120	250	230	0.3
AUG 25...	100	33	240	56	5	14	--	--	--	290	370	0.4

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT 01...	6.5	1470	1510	2.00	413	--	0.62	--	0.02	--	0.64	--
NOV 22...	6.5	1280	1190	1.74	546	0.34	0.35	0.0	0.01	0.36	0.36	0.35
MAR 26...	6.0	1580	1560	2.15	977	0.26	0.24	0.02	0.03	0.28	0.27	0.12
APR 06...	6.4	400	383	0.54	1160	0.11	0.10	0.02	0.02	0.13	0.12	0.10
JUN 26...	5.6	443	438	0.60	883	0.06	--	0.01	<0.01	0.06	<0.05	0.03
JUL 22...	7.8	850	839	1.16	608	0.16	0.17	0.02	0.01	0.18	0.18	0.04
AUG 25...	6.1	1200	1130	1.63	881	--	--	--	<0.01	--	0.33	--

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
OCT 01...	0.03	0.04	--	--	--	--	--	--	--	0.02	0.06
NOV 22...	0.37	0.48	2.6	2.9	3.3	14	1.4	<0.01	0.0	<0.01	--
MAR 26...	0.10	0.13	0.38	0.5	0.78	3.5	0.17	0.02	0.01	0.01	0.03
APR 06...	0.11	0.14	1.6	1.7	1.8	8.1	0.77	0.01	<0.01	<0.01	--
JUN 26...	0.02	0.03	0.37	0.4	0.46	2.1	0.08	<0.01	0.02	<0.01	--
JUL 22...	0.05	0.06	0.36	0.4	0.58	2.6	0.11	<0.01	<0.01	<0.01	--
AUG 25...	0.09	0.12	--	--	--	--	--	--	--	0.02	0.06

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV 22...	1100	<10	160	<3	10	54	3
MAR 26...	1030	20	100	20	<10	40	<10
APR 06...	1000	70	110	<3	57	18	7
JUL 22...	1015	30	86	<3	10	31	2

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV 22...	<10	1	4	<1	1800	<6
MAR 26...	3	17	2	2.0	1300	11
APR 06...	10	<1	1	<1.0	600	<6
JUL 22...	<10	2	1	<1.0	1200	<6

DATE	TIME	BORON, DISSOLVED (UG/L AS B)
OCT 01...	1205	130
AUG 25...	1130	100

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	---	2300	3020	---	---	1260	380	430	890	1500	1880
2	---	---	2720	3500	---	2620	1100	380	420	880	1680	1850
3	---	---	2740	---	---	2920	1000	390	450	1020	1670	1940
4	---	---	2500	2640	---	2930	870	380	470	1030	1580	1890
5	---	---	2500	3160	---	2850	900	390	490	1050	1700	1880
6	---	---	3070	3060	---	3120	730	390	480	1020	1860	1880
7	---	---	---	3660	---	3100	610	400	450	970	1660	1820
8	---	---	2810	4300	---	3100	570	400	430	900	1760	1870
9	---	---	---	---	---	3070	500	405	410	880	1770	1930
10	---	---	2730	3400	---	2800	420	415	440	930	1320	1970
11	---	---	4520	4270	---	2640	400	440	470	890	1120	2000
12	---	---	2840	3180	3530	3170	380	430	490	870	970	2060
13	---	---	2700	3180	2940	3020	370	430	500	1000	1220	2100
14	---	---	2800	4160	3060	3460	360	430	500	1130	1470	2130
15	---	---	2610	4540	2580	3440	360	440	480	640	1590	2330
16	---	---	2280	6370	2330	3460	370	425	440	1020	1650	2330
17	---	---	2680	4280	1880	---	380	430	470	1560	1670	2380
18	---	---	2580	---	1640	---	430	420	580	1460	1860	2200
19	---	---	---	---	1770	---	400	410	660	1540	1460	2440
20	---	---	6720	---	---	3440	400	410	640	1500	1600	2340
21	---	---	4070	---	---	3110	430	430	680	1420	1850	2370
22	---	1940	3100	---	2870	2700	430	430	690	1480	2020	2100
23	---	---	2930	---	2900	2700	440	440	750	1500	2090	2130
24	---	---	2360	---	2910	---	430	450	830	1310	2130	2150
25	---	---	2420	---	3050	---	430	550	840	1300	1930	2040
26	---	---	3030	---	2500	2700	430	500	870	1500	2350	2000
27	---	---	2960	---	2340	2500	410	570	860	640	1770	1730
28	---	---	3410	---	2740	2350	410	465	890	780	1200	1870
29	---	---	4200	---	2750	2330	390	490	930	1310	1280	2070
30	---	---	---	---	---	2340	390	420	1000	1350	1410	2200
31	---	---	3900	---	---	1490	---	425	---	1390	1310	---
MEAN	---	---	3092	---	---	2854	533	431	601	1130	1630	2060

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	---	1.0	1.0	---	---	10.5	14.0	13.0	21.0	26.0	18.0
2	---	---	.0	1.0	---	9.0	10.5	13.5	14.0	22.0	26.0	23.0
3	---	---	.0	---	---	9.0	11.5	13.0	15.5	24.0	26.0	21.5
4	---	---	.0	1.0	---	9.0	11.0	13.5	16.5	25.0	26.0	19.5
5	---	---	.0	.0	---	9.0	12.0	18.0	16.5	26.0	25.0	16.0
6	---	---	.0	.0	---	9.0	11.5	17.0	16.5	25.0	25.0	17.0
7	---	---	---	2.0	---	9.0	14.5	14.0	15.5	22.0	25.0	17.5
8	---	---	1.0	.5	---	9.0	14.0	13.5	15.5	24.0	25.0	22.0
9	---	---	---	---	---	9.0	14.0	14.5	19.0	25.0	22.0	18.5
10	---	---	1.0	.0	---	9.0	10.5	12.0	20.0	23.0	23.0	23.0
11	---	---	2.0	.0	---	9.0	11.0	11.5	18.0	24.0	23.0	22.0
12	---	---	2.0	.0	3.0	9.0	11.5	16.5	21.0	20.0	21.5	18.0
13	---	---	1.0	.0	4.0	9.0	11.5	18.5	18.0	24.0	22.0	18.0
14	---	---	1.0	.0	4.0	12.0	14.0	18.0	17.5	25.0	21.5	18.0
15	---	---	1.0	.0	4.0	13.0	13.0	15.5	16.0	24.0	21.5	22.0
16	---	---	.0	.0	5.0	12.5	14.0	14.5	18.5	25.0	23.5	23.5
17	---	---	.0	.0	4.0	---	13.0	15.0	---	25.0	23.0	24.0
18	---	---	.0	---	4.0	---	11.0	15.0	21.0	25.0	22.5	19.0
19	---	---	---	---	3.0	---	10.0	17.5	22.0	25.0	22.5	18.0
20	---	---	1.0	---	---	8.0	9.0	16.5	19.0	25.0	22.0	17.0
21	---	---	1.0	---	---	8.5	13.0	15.5	20.0	25.0	22.5	17.5
22	---	4.0	1.0	---	6.0	10.5	10.0	14.5	24.0	24.0	22.0	22.5
23	---	---	2.0	---	6.0	9.0	14.0	14.0	24.0	23.0	23.0	22.0
24	---	---	1.0	---	5.0	---	10.5	14.5	22.0	24.0	18.0	21.0
25	---	---	1.0	---	6.0	---	11.0	14.0	22.0	25.0	19.0	16.5
26	---	---	.0	---	7.0	11.0	11.5	17.0	21.0	24.0	18.0	14.5
27	---	---	.0	---	5.0	11.5	12.5	15.0	22.0	24.0	17.0	14.0
28	---	---	.0	---	8.0	11.0	17.0	15.0	23.0	25.0	16.0	14.0
29	---	---	.0	---	8.0	14.0	17.5	14.0	24.0	24.0	17.0	19.5
30	---	---	---	---	---	10.5	17.0	12.5	22.0	26.0	18.0	19.5
31	---	---	1.0	---	---	11.0	---	12.5	---	26.0	18.5	---
MEAN	---	---	.6	---	---	10.0	12.4	14.8	19.2	24.2	22.0	19.2

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
22...	1100	158	4.0	100	2200	939
MAR						
26...	1030	229	11.0	99	437	270
APR						
06...	1000	1070	12.0	92	4960	14300

09180500 COLORADO RIVER NEAR CISCO, UT

LOCATION.--Lat 38°48'38", long 109°17'34", in NW¼NW¼ sec. 17, T. 23 S., R. 24 E., Grand County, Hydrologic Unit 14030005, on left bank 1 mi downstream from Dolores River, 11 mi south of Cisco, 36 mi downstream from Colorado-Utah State line, 97 mi upstream from Green River, and 235 mi upstream from San Juan River, at mile 1,022.3 from Arizona-Sonora.

DRAINAGE AREA.--24,100 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1895 to current year (1895 to 1910, calender-year estimates only). Monthly discharge only for some periods, published in WSP 1313. Published as Grand River near Moab, October 1913 to November 1914, and as Grand River near Cisco, November 1914 to September 1917.

REVISED RECORDS.--WSP 918: 1913, 1937. WSP 1313: 1918-22.

GAGE.--Water-stage recorder. Elevation of gage is 4,090 ft above NGVD of 1929, from river-profile map. Prior to Nov. 10, 1914, several staff and chain gages at bridge near Moab, 31 mi downstream at datum, 3,937.73 ft above mean sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation and power, including several transmountain diversions. Flow regulated by Blue Mesa Reservoir (see station 09124600) since Nov. 27, 1965.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,800 ft³/s June 19, 1917, gage height, 19.7 ft; minimum recorded, 558 ft³/s July 21, 1934, gage height, 0.44 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on July 4, 1884 reached a discharge of about 125,000 ft³/s, from flood record at Fruita, Colorado.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 26,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 28	1831	*18,100	*8.27				

Minimum discharge, 2,470 ft³/s Oct. 13.

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	4070	4720	3950	3410	e2950	3090	4100	8680	12900	5590	3390	3830
2	4020	4480	3830	3460	e2900	3090	4230	9690	12000	5260	3310	3770
3	3950	4460	3530	3400	e2950	3110	4450	9690	10700	4920	3190	3850
4	3870	4280	3640	3230	e3100	3120	4490	9230	9840	4660	3080	3850
5	3750	4210	3640	3190	e3100	3300	4730	8870	9380	4360	3010	3860
6	3560	4320	3660	3440	e3250	3720	5130	8890	9550	4260	3120	3770
7	3350	4470	3770	3530	e3100	3590	5300	8600	9910	4210	3310	3720
8	3280	4580	3790	3590	e3000	3360	5800	9070	9860	4120	3760	3680
9	2900	4520	3790	3510	e3200	3320	6290	10200	9390	4360	3870	3520
10	2660	4460	3880	3360	e3250	3240	6680	11200	8600	5400	3900	3350
11	2580	4360	3840	3180	e3300	3180	6750	11200	8180	5030	3620	3170
12	2550	4390	3820	3220	e3350	3070	7100	9770	8040	4870	3420	3010
13	2530	4490	3930	3230	e3400	2990	7380	9290	8200	5560	3490	2910
14	3390	4350	3830	e3250	e3500	2980	7700	9190	8370	5430	3540	2880
15	3650	4530	3600	e3300	e3480	3010	7930	10200	8600	5110	3480	3020
16	3680	5000	3330	e3150	e3400	3050	8470	10700	8400	4780	3410	3130
17	3570	4710	3250	e2940	e3210	3220	8180	10800	7620	4530	3370	3330
18	3090	4530	3400	e2720	3160	3120	8320	10900	6870	4160	3620	3440
19	3160	4520	3670	e2740	3080	3210	8490	10800	6200	3760	3470	3730
20	3250	4310	3720	e2770	3000	3160	8200	11000	6190	3650	3430	3660
21	3510	3680	3850	e2800	2950	3030	7210	11600	6500	3610	3250	4020
22	3600	3410	3780	e2850	3100	3080	6510	12900	6570	3540	3280	3950
23	3510	3530	3610	e2940	3280	3110	5940	13000	6440	3530	3470	3760
24	4030	3960	3530	e2900	3180	3160	5700	12400	6090	3850	3790	3630
25	4980	3740	3330	e2900	3110	3090	5510	12400	6050	4780	4300	3550
26	4440	3770	3230	e2900	3040	3090	5540	13700	6330	5020	4540	3460
27	4510	4060	3140	e2900	3050	3060	5730	14200	6560	4990	4820	3440
28	6050	4040	3150	e2900	3020	3380	6080	16900	6540	4630	4620	3460
29	5030	4030	3240	e3000	3040	3950	6660	17100	6170	4160	4300	3440
30	4800	4000	3240	e2950	---	4310	7650	15300	5790	3870	4060	3390
31	4520	---	3340	e2950	---	4110	---	13800	---	3580	3860	---
TOTAL	115840	127910	111310	96610	91450	101300	192250	351270	241840	139580	113080	105580
MEAN	3737	4264	3591	3116	3153	3268	6408	11330	8061	4503	3648	3519
MAX	6050	5000	3950	3590	3500	4310	8490	17100	12900	5590	4820	4020
MIN	2530	3410	3140	2720	2900	2980	4100	8600	5790	3530	3010	2880
AC-FT	229800	253700	220800	191600	181400	200900	381300	696700	479700	276900	224300	209400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1992, BY WATER YEAR (WY)

MEAN	3931	3762	3263	3060	3246	3737	8416	19520	22470	8982	4245	3608
MAX	9416	7601	6588	6371	6326	8412	22590	42090	55530	31750	11400	11330
(WY)	1942	1987	1987	1985	1985	1985	1942	1984	1917	1957	1984	1929
MIN	1353	1730	2044	1900	2015	2009	1638	2322	2820	1057	1017	1078
(WY)	1935	1935	1940	1937	1935	1977	1977	1977	1977	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1914 - 1992	
ANNUAL TOTAL	1877630		1788020			
ANNUAL MEAN	5144		4885		7357	
HIGHEST ANNUAL MEAN					14930	1984
LOWEST ANNUAL MEAN					2631	1977
HIGHEST DAILY MEAN	18400	Jun 16	17100	May 29	73200	Jun 19 1917
LOWEST DAILY MEAN	1800	Jan 1	2530	Oct 13	640	Jul 21 1934
ANNUAL SEVEN-DAY MINIMUM	2090	Jan 1	2820	Jan 18	736	Jul 15 1934
ANNUAL RUNOFF (AC-FT)	3724000		3547000		5330000	
10 PERCENT EXCEEDS	11800		8940		18800	
50 PERCENT EXCEEDS	3830		3770		3800	
90 PERCENT EXCEEDS	2500		3040		2210	

e Estimated

09180500 COLORADO RIVER NEAR CISCO, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1928 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1941 to September 1952, October 1954 to September 1981, March 1982 to current year.
WATER TEMPERATURES: May 1949 to September 1959, October 1964 to September 1981, March 1982 to current year.
SUSPENDED-SEDIMENT DISCHARGE: May 1930 to September 1984.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 4,820 microsiemens Dec. 13, 1957; minimum daily, 291 microsiemens May 31, 1953.
WATER TEMPERATURES: Maximum, 29.0°C July 29, 1966; minimum, 0.0°C on many days during winter period most years.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 69,000 mg/L Oct. 27, 1951; minimum daily mean, 4 mg/L Aug. 22, 1960.
SEDIMENT LOADS: Maximum daily, 2,790,000 tons Oct. 14, 1941; minimum daily, 14 tons Aug. 22, 1960.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,440 microsiemens Aug. 23; minimum observed, 510 microsiemens May 20.
WATER TEMPERATURES: Maximum daily, 26.0°C several days in August; minimum observed, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
OCT												
03...	1015	3940	1160	8.3	16.0	16.0	--	8.2	656	--	--	390
NOV												
20...	1045	4270	1180	8.4	4.0	5.0	100	11.4	670	<1	<1	370
MAR												
24...	0930	3160	1170	8.4	11.0	10.0	140	10.1	660	--	--	330
APR												
08...	1030	5340	840	8.3	16.5	13.0	670	8.0	657	<1	190	260
MAY												
26...	1030	13500	590	8.2	23.0	17.0	410	7.6	658	--	--	220
JUN												
22...	1000	6430	770	8.5	24.0	21.0	30	7.1	658	--	--	270
JUL												
27...	1000	4690	1130	8.2	28.5	22.5	--	7.1	658	--	--	400
AUG												
27...	1045	4870	1290	8.3	22.5	18.0	--	7.7	661	--	--	470

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT												
03...	100	33	97	35	2	4.4	--	--	--	320	88	0.4
NOV												
20...	94	32	100	37	2	4.2	10	176	160	300	86	0.3
MAR												
24...	83	29	110	42	3	4.9	7	168	150	270	130	0.3
APR												
08...	69	21	68	36	2	4.2	0	151	124	200	67	0.3
MAY												
26...	62	16	39	27	1	2.6	0	130	107	130	37	0.3
JUN												
22...	75	20	57	31	2	2.9	6	135	120	190	57	<0.1
JUL												
27...	110	30	79	30	2	4.7	--	--	--	310	73	0.4
AUG												
27...	130	36	95	30	2	5.2	--	--	--	390	88	0.4

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT												
03...	9.9	726	750	0.99	7720	--	0.59	--	0.02	--	0.61	--
NOV												
20...	10	770	727	1.05	8880	0.60	0.62	0.02	0.02	0.62	0.64	0.02
MAR												
24...	8.4	742	728	1.01	6330	0.40	0.40	0.02	0.02	0.42	0.42	0.04
APR												
08...	8.7	522	515	0.71	7530	0.38	0.37	0.02	0.02	0.40	0.39	0.06
MAY												
26...	8.4	371	361	0.50	13500	0.33	--	0.01	<0.01	0.34	0.33	0.04
JUN												
22...	7.2	494	483	0.67	8580	0.24	--	0.01	<0.01	0.25	0.23	0.02
JUL												
27...	10	764	715	1.04	9670	--	0.99	--	0.01	--	1.0	--
AUG												
27...	11	876	863	1.19	11500	--	1.09	--	0.01	--	1.1	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
OCT 03...	0.02	0.03	--	--	--	--	--	--	--	<0.01	--
NOV 20...	0.02	0.03	0.48	0.5	1.1	5.0	0.19	0.02	0.02	<0.01	--
MAR 24...	0.03	0.04	0.56	0.6	1.0	4.5	0.13	0.03	0.02	0.02	0.06
APR 08...	0.07	0.09	0.44	0.5	0.90	4.0	0.17	<0.01	<0.01	<0.01	--
MAY 26...	0.03	0.04	0.66	0.7	1.0	4.6	0.23	0.03	0.01	0.01	0.03
JUN 22...	0.02	0.03	0.38	0.4	0.65	2.9	0.08	0.02	0.03	0.01	0.03
JUL 27...	0.03	0.04	--	--	--	--	--	--	--	0.01	0.03
AUG 27...	0.03	0.04	--	--	--	--	--	--	--	0.02	0.06

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV 20...	1045	20	62	<3	7	47	3
MAR 24...	0930	10	68	<3	6	40	8
APR 08...	1030	<10	100	<3	8	30	3
JUN 22...	1000	<10	52	<3	<3	24	1

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV 20...	<10	<1	5	<1.0	1100	<6
MAR 24...	<10	1	4	<1.0	860	<6
APR 08...	<10	2	3	<1.0	710	<6
JUN 22...	<10	<1	3	<1.0	720	<6

DATE	TIME	BORON, DISSOLVED (UG/L AS B)
OCT 03...	1015	90
JUL 27...	1000	90
AUG 27...	1045	100

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1100	1130	1160	1340	1110	1280	1140	660	660	860	1170	1180
2	1110	1140	1120	1320	1100	1290	---	610	680	880	1240	1230
3	1150	1160	1150	1240	1100	1280	1040	560	---	900	1260	1220
4	1140	1140	1150	1270	1090	1270	1030	560	730	930	1260	1250
5	1130	1150	1120	1130	1090	1230	940	580	750	960	1280	1210
6	1150	1140	1170	1130	1080	1200	920	600	740	1000	1280	1200
7	1160	1170	1160	1230	1080	1200	820	600	720	1050	1290	1240
8	1200	1160	1180	1210	1090	1290	760	610	700	1060	1260	1250
9	1220	1140	1250	1180	1100	1370	730	600	710	1060	1250	1250
10	1220	1120	1220	1140	1100	1330	780	660	750	1040	1220	---
11	1300	1110	1170	1190	1120	1290	800	630	760	980	1200	1250
12	1410	1100	1110	1220	1080	1260	780	630	770	970	1200	1280
13	1410	1100	1130	1120	1090	1260	800	670	770	1250	1180	1290
14	1310	1120	1120	1190	1270	1280	730	670	760	1060	1230	1310
15	1150	1090	1120	1220	1310	1330	700	630	740	1050	1210	1330
16	1120	1110	1120	1140	1380	1280	660	570	710	1030	1220	1330
17	---	1170	1080	1130	1250	1270	640	560	720	1110	1250	1320
18	1140	1120	1110	1190	1300	1260	650	560	750	1140	1250	1300
19	1200	1160	1170	1210	1300	1260	660	560	790	1160	1250	1410
20	1290	1120	1210	1210	1290	1280	640	510	840	1210	1270	1300
21	1240	1160	1150	1210	1320	1240	670	560	830	1220	1230	1340
22	1220	1230	---	1230	1320	1210	700	570	790	1230	1280	1250
23	1200	1280	1140	---	1330	1180	750	550	780	1220	1440	1290
24	1240	1310	1110	1310	1270	1170	790	570	800	1230	1340	1300
25	1370	1250	1120	1230	1260	1200	810	590	810	1260	1300	1280
26	1290	1170	1150	1200	1270	1230	840	570	830	1200	1240	1320
27	1250	1170	1160	1160	1300	1240	850	600	820	1150	1270	1290
28	1220	1190	1170	1140	1300	1240	820	580	800	1130	1220	1300
29	1140	1160	1250	1110	1270	1220	810	540	810	1150	1170	1300
30	1110	1150	1260	1100	---	1160	740	550	850	1180	1160	1300
31	1100	---	1250	---	---	1230	---	600	---	1180	1200	---
MEAN	1210	1160	1160	1200	1210	1250	790	590	760	1090	1250	1280

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	6.0	3.0	.0	.0	8.0	14.0	---	18.0	23.0	24.0	18.0
2	17.0	6.0	3.0	.0	.0	8.0	---	---	18.0	23.0	24.0	18.0
3	17.0	6.0	3.0	.0	.0	8.0	14.0	---	---	23.0	25.0	18.0
4	17.0	6.0	3.0	.0	.0	8.0	14.0	---	18.0	23.0	25.0	18.0
5	17.0	5.0	2.0	.0	.0	10.0	16.0	---	18.0	23.0	25.0	18.0
6	16.0	5.0	2.0	.0	.0	10.0	16.0	---	19.0	23.0	25.0	18.0
7	16.0	5.0	2.0	.0	.0	10.0	16.0	---	19.0	23.0	25.0	18.0
8	16.0	5.0	2.0	.0	.0	10.0	16.0	---	19.0	23.0	26.0	18.0
9	16.0	5.0	2.0	.0	.0	10.0	16.0	---	20.0	23.0	26.0	18.0
10	16.0	5.0	2.0	.0	.0	10.0	16.0	---	20.0	23.0	26.0	---
11	15.0	5.0	2.0	.0	.0	10.0	16.0	---	20.0	23.0	26.0	18.0
12	15.0	5.0	2.0	.0	2.0	10.0	16.0	---	20.0	23.0	26.0	18.0
13	15.0	5.0	2.0	.0	2.0	10.0	16.0	---	20.0	23.0	26.0	18.0
14	15.0	4.0	2.0	.0	2.0	10.0	17.0	---	20.0	23.0	26.0	17.0
15	15.0	4.0	2.0	.0	2.0	10.0	17.0	---	20.0	23.0	26.0	17.0
16	14.0	4.0	2.0	.0	2.0	10.0	17.0	---	22.0	23.0	26.0	17.0
17	---	4.0	2.0	.0	4.0	10.0	17.0	---	22.0	24.0	26.0	17.0
18	14.0	4.0	1.0	.0	4.0	10.0	17.0	---	22.0	24.0	25.0	18.0
19	14.0	4.0	1.0	.0	4.0	11.0	17.0	---	22.0	24.0	24.0	17.0
20	14.0	4.0	1.0	.0	4.0	11.0	17.0	---	22.0	24.0	24.0	17.0
21	14.0	4.0	.0	.0	4.0	11.0	17.0	---	22.0	24.0	24.0	17.0
22	14.0	4.0	---	.0	6.0	11.0	17.0	---	22.0	24.0	22.0	17.0
23	12.0	4.0	.0	---	6.0	12.0	17.0	---	22.0	24.0	22.0	16.0
24	12.0	4.0	.0	.0	6.0	12.0	18.0	---	22.0	24.0	22.0	16.0
25	10.0	4.0	.0	.0	8.0	12.0	18.0	---	22.0	24.0	22.0	16.0
26	10.0	4.0	.0	.0	8.0	14.0	18.0	17.0	22.0	24.0	22.0	16.0
27	10.0	4.0	.0	.0	8.0	14.0	18.0	---	22.0	24.0	20.0	16.0
28	8.0	3.0	.0	.0	8.0	14.0	18.0	---	22.0	24.0	20.0	16.0
29	8.0	3.0	.0	.0	8.0	14.0	18.0	---	22.0	24.0	20.0	16.0
30	6.0	3.0	.0	.0	---	14.0	18.0	---	22.0	24.0	20.0	16.0
31	6.0	---	.0	---	---	14.0	---	---	---	24.0	18.0	---
MEAN	13.5	4.5	1.5	.0	3.0	11.0	16.5	---	20.5	23.5	24.0	17.0

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
20...	1045	4270	5.0	96	287	3310
MAR						
24...	0930	3160	10.0	91	188	1600
APR						
08...	1030	5340	13.0	90	2960	42600
MAY						
26...	1030	13500	17.0	73	2190	79700

09182200 CASTLE CREEK BELOW CASTLETON NEAR MOAB, UT

LOCATION.--Lat 38°36'45", long 109°19'54", in SE¼NW¼SW¼ sec. 24, T. 25 S., R. 23 E., Grand County, Hydrologic Unit 14030005, on left bank and 25.5 mi northwest of Moab.

DRAINAGE AREA.--17.6 mi².

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 5,600 ft from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above and below the station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 26 ft³/s May 27, gage height, 4.80 ft, from floodmarks; minimum daily discharge, 1.6 ft³/s, Sept. 27-30.

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	---	---	---	---	---	---	---	2.1	e5.9	e2.4	2.4	1.9
2	---	---	---	---	---	---	---	2.3	e6.1	e2.6	2.4	1.9
3	---	---	---	---	---	---	e2.2	e2.4	e6.0	e2.6	2.4	1.9
4	---	---	---	---	---	---	2.2	e2.5	5.1	e2.5	2.4	2.0
5	---	---	---	---	---	---	2.3	e2.5	4.4	e2.5	2.5	2.0
6	---	---	---	---	---	---	2.2	e2.5	e5.2	e2.5	2.5	1.9
7	---	---	---	---	---	---	2.2	e2.7	e5.0	2.7	2.6	1.8
8	---	---	---	---	---	---	2.2	e2.8	e4.0	2.8	2.5	1.9
9	---	---	---	---	---	---	2.2	e3.1	e3.8	2.6	2.4	1.8
10	---	---	---	---	---	---	2.1	e3.1	e3.7	2.7	2.4	1.8
11	---	---	---	---	---	---	2.0	e3.3	e3.7	2.7	2.4	1.8
12	---	---	---	---	---	---	1.9	e3.3	e3.9	2.9	2.3	1.8
13	---	---	---	---	---	---	e1.8	e3.3	e3.9	2.7	2.2	1.8
14	---	---	---	---	---	---	e1.8	e2.9	e3.6	2.6	2.1	1.7
15	---	---	---	---	---	---	e1.9	e2.9	e3.6	2.7	2.1	1.8
16	---	---	---	---	---	---	e2.2	e2.8	e3.5	2.5	2.0	1.8
17	---	---	---	---	---	---	e2.1	e2.8	e3.3	2.5	2.1	1.8
18	---	---	---	---	---	---	e2.0	e3.0	e3.3	2.5	2.0	1.8
19	---	---	---	---	---	---	e2.0	e3.2	e3.1	2.5	2.1	2.0
20	---	---	---	---	---	---	e2.0	e3.8	e3.2	2.4	2.0	2.1
21	---	---	---	---	---	---	e1.9	e3.9	e3.4	2.4	2.1	1.9
22	---	---	---	---	---	---	e1.9	e3.9	e3.0	2.4	2.1	1.8
23	---	---	---	---	---	---	e1.9	e3.8	e2.7	2.6	2.3	1.8
24	---	---	---	---	---	---	e1.8	e4.4	e2.7	2.7	2.1	1.8
25	---	---	---	---	---	---	e1.8	e4.6	e2.7	2.9	2.2	1.8
26	---	---	---	---	---	---	e1.8	e4.6	e2.9	2.5	2.1	1.8
27	---	---	---	---	---	---	e1.7	e7.0	e2.9	2.5	1.9	1.6
28	---	---	---	---	---	---	e1.7	e6.4	e2.9	2.4	1.9	1.6
29	---	---	---	---	---	---	e1.8	e5.9	e2.7	2.4	1.9	1.6
30	---	---	---	---	---	---	e1.8	e5.9	e2.5	2.4	1.9	1.6
31	---	---	---	---	---	---	---	e5.9	---	2.2	2.0	---
TOTAL	---	---	---	---	---	---	---	113.6	112.7	79.3	68.3	54.6
MEAN	---	---	---	---	---	---	---	3.66	3.76	2.56	2.20	1.82
MAX	---	---	---	---	---	---	---	7.0	6.1	2.9	2.6	2.1
MIN	---	---	---	---	---	---	---	2.1	2.5	2.2	1.9	1.6
AC-FT	---	---	---	---	---	---	---	225	224	157	135	108

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

MEAN	---	---	---	---	---	---	---	3.66	3.76	2.56	2.20	1.82
MAX	---	---	---	---	---	---	---	3.66	3.76	2.56	2.20	1.82
(WY)	---	---	---	---	---	---	---	1992	1992	1992	1992	1992
MIN	---	---	---	---	---	---	---	3.66	3.76	2.56	2.20	1.82
(WY)	---	---	---	---	---	---	---	1992	1992	1992	1992	1992

e Estimated

09182400 CASTLE CREEK BELOW CASTLE VALLEY NEAR MOAB, UT

LOCATION.--Lat 38°40'26", long 109°26'58", in $SE^1/_4SW^1/_4NE^1/_4$ sec. 35, T. 24 S., R. 22 E., Grand County, Hydrologic Unit 14030005, on left bank and 16.5 mi northwest of Moab.

DRAINAGE AREA.--58.1 mi^2.

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,120 ft from topographic map.

REMARKS.--Records fair. Small diversions for irrigation above and below the station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 54 ft^3/s July 15, gage height, 5.66 ft, from floodmarks; minimum daily discharge, 4.0 ft^3/s July 5, 6.

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	---	---	---	---	---	---	---	4.6	8.0	4.1	5.2	6.4
2	---	---	---	---	---	---	---	4.8	8.2	4.3	5.2	6.0
3	---	---	---	---	---	---	e8.1	5.0	7.9	4.2	5.1	6.0
4	---	---	---	---	---	---	8.3	5.2	7.2	4.1	5.0	6.1
5	---	---	---	---	---	---	8.1	5.2	7.0	4.0	5.1	5.8
6	---	---	---	---	---	---	7.3	5.1	8.2	4.0	5.7	5.7
7	---	---	---	---	---	---	6.8	5.4	7.8	4.1	5.4	5.7
8	---	---	---	---	---	---	7.0	5.6	6.6	4.4	5.0	5.7
9	---	---	---	---	---	---	7.1	6.1	6.5	4.6	5.1	5.6
10	---	---	---	---	---	---	7.0	6.1	6.4	4.8	4.9	5.4
11	---	---	---	---	---	---	6.8	6.5	6.4	5.2	5.0	5.5
12	---	---	---	---	---	---	6.6	6.5	6.7	5.9	5.0	5.4
13	---	---	---	---	---	---	6.2	6.4	6.7	6.4	5.0	5.7
14	---	---	---	---	---	---	6.2	5.9	6.3	5.8	5.0	6.1
15	---	---	---	---	---	---	6.6	5.8	6.3	7.6	5.1	6.2
16	---	---	---	---	---	---	7.1	5.5	6.1	6.3	5.1	6.0
17	---	---	---	---	---	---	6.6	5.8	5.7	5.6	5.2	5.7
18	---	---	---	---	---	---	6.2	5.9	5.7	5.6	5.1	5.7
19	---	---	---	---	---	---	6.0	6.1	5.4	5.1	5.1	6.3
20	---	---	---	---	---	---	6.0	6.6	5.5	4.8	5.1	6.2
21	---	---	---	---	---	---	5.5	6.7	5.7	4.7	4.9	5.7
22	---	---	---	---	---	---	5.4	6.7	5.3	5.0	5.1	5.5
23	---	---	---	---	---	---	5.0	6.6	4.9	4.9	6.2	5.4
24	---	---	---	---	---	---	4.8	7.3	4.9	6.0	6.2	5.4
25	---	---	---	---	---	---	4.7	7.5	4.9	6.8	5.4	5.3
26	---	---	---	---	---	---	4.6	7.5	5.2	6.7	5.3	5.5
27	---	---	---	---	---	---	4.3	10	5.1	5.6	5.1	5.7
28	---	---	---	---	---	---	4.3	8.6	5.1	5.2	5.1	6.5
29	---	---	---	---	---	---	4.5	8.1	4.7	5.1	5.4	6.7
30	---	---	---	---	---	---	4.4	8.2	4.2	5.1	5.6	6.3
31	---	---	---	---	---	---	---	8.0	---	5.2	6.5	---
TOTAL	---	---	---	---	---	---	---	199.3	184.6	161.2	163.2	175.2
MEAN	---	---	---	---	---	---	---	6.43	6.15	5.20	5.26	5.84
MAX	---	---	---	---	---	---	---	10	8.2	7.6	6.5	6.7
MIN	---	---	---	---	---	---	---	4.6	4.2	4.0	4.9	5.3
AC-FT	---	---	---	---	---	---	---	395	366	320	324	348

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

MEAN	---	---	---	---	---	---	---	6.43	6.15	5.20	5.26	5.84
MAX	---	---	---	---	---	---	---	6.43	6.15	5.20	5.26	5.84
(WY)	---	---	---	---	---	---	---	1992	1992	1992	1992	1992
MIN	---	---	---	---	---	---	---	6.43	6.15	5.20	5.26	5.84
(WY)	---	---	---	---	---	---	---	1992	1992	1992	1992	1992

e Estimated

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT

LOCATION.--Lat 38°28'59", long 109°24'12", in NW¼NW¼SW¼, sec. 4, T. 27 S., R. 23 E. in San Juan County, Hydrologic Unit 14030005 on the left bank 1,000 ft above Sheley Tunnel, and 9 mi southeast of Moab.

DRAINAGE AREA.--26.8 mi².

PERIOD OF RECORD.--October 1954 to September 1959, October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from a topographic map. Prior to Oct. 1, 1987 at different site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversion for irrigation above the station. Sheley Tunnel, which diverts water from Mill Creek for K. E. McDougald Reservoir, is located 1,000 ft below the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 990 ft³/s Aug. 4, 1991, gage height, 7.46 ft from floodmarks, from rating curve extended above 340 ft³/s on basis of slope-area measurement of peak flow; minimum recorded, 2.1 ft³/s Apr. 5, 1955.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 177 ft³/s July 24, gage height 4.28 ft; minimum daily discharge, 5.3 ft³/s Feb. 18.

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	6.8	e7.0	5.5	6.6	6.0	6.1	9.5	28	35	16	10	8.1
2	6.8	e7.0	6.0	6.5	5.9	6.2	9.5	27	30	16	9.9	7.8
3	6.5	e6.8	6.2	6.5	6.0	6.3	10	26	29	16	9.7	7.6
4	6.4	e7.1	6.2	6.8	5.9	6.5	10	26	29	16	9.6	7.8
5	6.4	e7.0	6.5	6.6	6.0	7.0	11	25	30	15	8.7	7.7
6	6.4	e7.0	6.6	6.7	5.9	6.5	11	25	30	15	8.7	7.5
7	6.4	e7.0	6.8	6.8	5.8	6.6	e12	26	29	15	8.8	7.5
8	6.4	e7.0	6.9	6.6	5.9	6.8	e12	27	28	15	8.4	7.6
9	6.4	e7.0	7.0	6.9	5.9	6.6	e13	27	26	15	8.2	7.5
10	6.3	e7.1	6.8	6.6	6.0	6.6	e14	25	25	15	8.2	7.5
11	6.5	e7.1	7.0	6.5	6.0	6.9	e15	23	25	14	8.2	7.2
12	6.6	e7.0	6.8	6.5	6.0	7.1	e15	23	24	17	8.7	7.2
13	6.6	e7.1	6.7	e6.5	6.3	7.2	e16	23	24	15	8.9	7.1
14	6.6	e7.5	6.7	6.6	6.2	7.5	17	23	24	15	8.9	7.1
15	6.6	11	e6.7	e6.4	5.9	7.5	18	23	23	15	8.7	7.1
16	6.6	7.6	6.8	e6.2	5.9	7.6	17	23	23	14	8.8	6.9
17	6.6	7.2	6.8	e6.0	5.9	7.7	17	23	22	14	8.5	6.8
18	6.6	8.0	6.8	e5.8	5.3	7.8	19	23	21	14	8.4	6.8
19	6.5	7.0	6.8	e5.7	5.8	7.9	16	23	21	14	8.2	7.6
20	6.7	6.5	6.7	e5.6	6.0	7.9	16	25	20	14	8.3	9.2
21	7.3	7.4	6.6	e5.8	5.9	8.2	16	27	20	13	8.2	6.8
22	6.1	6.8	6.6	e6.0	5.9	8.4	17	26	20	13	8.2	6.7
23	6.2	5.7	6.6	e6.1	5.7	8.3	16	25	19	13	8.5	6.5
24	7.5	6.4	6.6	6.2	5.6	8.2	17	34	19	19	8.3	6.2
25	7.0	7.0	6.6	6.3	5.7	8.3	18	43	19	12	8.1	6.2
26	7.0	7.0	6.6	6.2	5.7	8.6	19	e56	18	11	8.1	6.2
27	e8.8	7.2	6.6	6.2	5.7	8.9	21	e84	18	11	8.0	6.3
28	e8.4	7.2	6.6	6.2	5.8	9.7	23	e78	18	11	8.0	6.2
29	e7.3	7.1	6.7	6.1	5.9	9.2	25	e62	17	11	7.9	6.2
30	e7.2	6.3	6.6	6.0	---	9.4	27	e52	17	11	7.9	6.2
31	e7.0	---	6.6	6.0	---	9.6	---	e44	---	10	8.2	---
TOTAL	210.5	214.1	205.0	195.5	170.5	237.1	477.0	1025	703	435	265.2	213.1
MEAN	6.79	7.14	6.61	6.31	5.88	7.65	15.9	33.1	23.4	14.0	8.55	7.10
MAX	8.8	11	7.0	6.9	6.3	9.7	27	84	35	19	10	9.2
MIN	6.1	5.7	5.5	5.6	5.3	6.1	9.5	23	17	10	7.9	6.2
AC-FT	418	425	407	388	338	470	946	2030	1390	863	526	423

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-92, BY WATER YEAR (WY)

MEAN	8.16	7.29	6.74	6.24	5.93	6.35	11.3	25.3	24.6	12.7	9.22	8.09
MAX	12.1	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	33.7	16.3	12.7
(WY)	1958	1988	1988	1988	1988	1988	1958	1958	1957	1957	1957	1957
MIN	4.84	3.89	4.30	4.60	4.48	4.88	5.42	8.03	7.08	5.32	4.69	5.00
(WY)	1957	1957	1955	1957	1956	1957	1990	1990	1959	1959	1990	1959

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1955-59, 1988-92	
ANNUAL TOTAL	3631.6		4351.0			
ANNUAL MEAN	9.95		11.9		11.0	
HIGHEST ANNUAL MEAN					19.6	1958
LOWEST ANNUAL MEAN					6.13	1990
HIGHEST DAILY MEAN	47	Aug 4	84	May 27	93	Jun 10 1957
LOWEST DAILY MEAN	4.5	Mar 8	5.3	Feb 18	2.8	Nov 2 1956
ANNUAL SEVEN-DAY MINIMUM	4.9	Mar 3	5.7	Feb 22	3.2	Oct 30 1956
ANNUAL RUNOFF (AC-FT)	7200		8630		7970	
10 PERCENT EXCEEDS	21		24		20	
50 PERCENT EXCEEDS	7.0		7.5		7.4	
90 PERCENT EXCEEDS	5.4		6.0		4.8	

e Estimated

09184000 MILL CREEK NEAR MOAB, UT

LOCATION.--Lat 38°33'44", long 109°30'48", in NW¼NW¼NE¼ sec. 8, T. 26 S., R. 22 E., Grand County, Hydrologic Unit 14030005, on right bank 0.5 mi downstream from North Fork, 1.5 mi southeast of Moab, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--74.9 mi².

PERIOD OF RECORD.--October, November 1914 (fragmentary), February to November 1915, February 1916 to June 1917, April to July 1918 (fragmentary), April to July 1919, July 1949 to September 1971. October 1972 to current year.

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 4,240 ft above NGVD of 1929, from topographic map. Prior to Apr. 28, 1918, nonrecording gage and Apr. 28, 1918 to Aug. 2, 1919, July 1949 to Mar. 15, 1962, water-stage recorder, 0.4 mi upstream at various datums.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversion into Sheley Tunnel, for storage in K. E. McDougald Reservoir began in March 1981. Diversion approximately 6.0 mi above station. Records do not include approximately 3,348 acre-ft diverted during the 1992 water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded discharge, about 5,110 ft³/s Aug. 21, 1953, gage height, 10.74 ft from floodmark, site and datum then in use from rating curve extended above 700 ft³/s on basis of slope-area measurements at gage heights 8.24 ft, 8.62 ft, 9.81 ft, and 11.1 ft; maximum gage height, 11.6 ft Aug. 26, 1961, site and datum then in use; minimum recorded, 0.2 ft³/s Feb. 15, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
July 24	2208	*141	*2.61				

Minimum daily, 3.7 ft³/s Oct. 22, 26.

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	e5.6	4.3	4.7	5.0	e4.4	7.0	5.5	8.4	41	9.1	10	9.7
2	e5.5	4.3	5.6	4.8	e4.5	7.0	6.0	10	34	9.7	10	9.4
3	e5.4	4.1	5.6	4.7	e4.5	7.2	5.9	10	30	9.6	9.8	8.9
4	5.4	4.3	5.6	4.9	e4.5	7.6	5.3	8.9	25	9.3	9.4	8.4
5	5.6	4.2	5.7	4.9	4.6	8.7	5.0	8.9	25	9.0	8.2	8.3
6	5.2	4.2	5.9	4.9	4.6	7.1	4.8	10	27	9.2	8.3	8.0
7	4.9	4.2	5.6	5.0	4.6	6.7	4.8	10	25	9.1	8.6	7.7
8	4.7	4.2	6.1	4.6	4.4	6.6	4.6	9.5	22	11	8.2	7.7
9	5.8	4.2	5.4	4.5	4.8	6.6	4.3	14	19	11	7.9	7.6
10	5.5	4.3	5.4	4.6	5.5	6.4	4.2	9.4	13	11	8.1	8.0
11	5.4	4.3	6.1	4.5	5.7	6.1	4.1	8.9	12	11	8.3	8.1
12	5.3	4.2	5.5	4.5	5.7	5.9	3.9	9.0	12	12	8.6	7.9
13	4.9	4.3	5.1	e4.5	6.6	5.9	4.7	12	10	18	8.8	7.6
14	4.8	11	4.6	4.4	8.3	5.7	6.4	21	9.9	10	8.9	7.6
15	4.8	17	5.6	e4.6	8.1	5.5	7.9	21	9.1	16	8.4	7.5
16	4.4	8.0	5.2	e4.7	8.5	5.4	5.9	22	8.4	11	8.3	7.6
17	4.0	4.8	4.9	e4.6	7.5	5.5	5.8	22	8.0	10	8.3	7.4
18	3.9	8.1	5.0	e4.4	7.2	5.5	7.1	22	7.8	9.9	7.9	7.1
19	3.9	4.7	5.3	e4.3	7.1	5.4	5.8	24	7.6	9.7	8.3	9.3
20	3.9	4.4	5.1	e4.2	7.1	5.4	4.7	29	8.4	9.8	8.2	34
21	3.9	4.4	5.0	e4.3	7.1	5.2	4.2	33	9.1	9.5	7.8	8.6
22	3.7	4.4	5.0	e4.4	7.1	5.8	6.9	32	8.7	9.6	8.5	8.1
23	3.8	5.1	4.9	e4.5	7.2	5.3	6.0	33	8.7	9.6	11	7.9
24	4.4	6.2	4.8	e4.6	7.3	5.1	5.1	47	9.8	26	10	7.5
25	3.9	6.3	4.7	e4.6	7.2	5.1	5.0	46	10	38	9.6	7.4
26	3.7	6.3	4.8	e4.6	7.0	5.3	5.6	61	10	13	9.6	7.7
27	8.1	6.3	4.8	e4.6	7.0	7.9	4.5	92	10	12	9.3	7.8
28	7.7	6.2	4.8	e4.6	7.0	8.6	5.1	81	9.6	11	9.5	7.7
29	4.7	6.3	4.9	e4.5	7.0	6.0	5.2	70	9.2	11	9.3	7.6
30	4.6	5.6	5.0	e4.4	---	11	6.2	61	9.2	11	9.3	7.5
31	4.2	---	5.1	e4.4	---	5.6	---	51	---	11	9.6	---
TOTAL	151.6	170.2	161.8	142.1	182.1	198.1	160.5	897.0	448.5	377.1	276.0	265.6
MEAN	4.89	5.67	5.22	4.58	6.28	6.39	5.35	28.9	14.9	12.2	8.90	8.85
MAX	8.1	17	6.1	5.0	8.5	11	7.9	92	41	38	11	34
MIN	3.7	4.1	4.6	4.2	4.4	5.1	3.9	8.4	7.6	9.0	7.8	7.1
AC-FT	301	338	321	282	361	393	318	1780	890	748	547	527

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1992, BY WATER YEAR (WY)

MEAN	9.13	9.97	8.37	6.43	6.55	6.65	8.71	25.7	27.2	14.0	12.2	10.6
MAX	17.1	25.0	12.1	12.7	12.0	13.0	16.5	79.1	108	46.7	24.0	23.1
(WY)	1985	1988	1984	1984	1984	1984	1984	1984	1983	1983	1983	1984
MIN	4.89	4.54	4.25	3.93	4.04	3.83	4.39	4.61	5.44	6.78	6.48	5.93
(WY)	1992	1990	1990	1990	1990	1986	1990	1990	1990	1990	1990	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1982 - 1992	
ANNUAL TOTAL	2335.3		3430.6			
ANNUAL MEAN	6.40		9.37		12.1	
HIGHEST ANNUAL MEAN					25.3	1983
LOWEST ANNUAL MEAN					5.30	1990
HIGHEST DAILY MEAN	58	Sep 6	92	May 27	192	Sep 16 1984
LOWEST DAILY MEAN	3.5	Jan 25	3.7	Oct 22	1.7	Mar 25 1986
ANNUAL SEVEN-DAY MINIMUM	3.7	Jan 24	3.9	Oct 17	2.6	Mar 22 1986
ANNUAL RUNOFF (AC-FT)	4630		6800		8780	
10 PERCENT EXCEEDS	8.3		12		19	
50 PERCENT EXCEEDS	5.7		7.0		7.7	
90 PERCENT EXCEEDS	4.2		4.4		4.4	

e Estimated

09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼NE¼NE¼ sec.26, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, on right bank 0.1 mi downstream from Bitter Creek, 1.0 mi southeast of town of Green River, and 4.0 mi upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--About 14,000 mi², of which 4,260 mi², including 3,959 mi² in Great Divide Basin in southern Wyoming, is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1951 to current year.

REVISED RECORDS.--WSP 1713: 1957. WDR-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Nov. 2, 4, 5, 23-25, and Nov. 30 to Mar. 9. Records good except those for estimated daily discharges, which are poor. Some regulation by Fontenelle Reservoir since August 1963. (See sta 09211150.) Natural flow of stream affected by transbasin diversions, storage reservoirs, power development, and diversions for irrigation of about 223,000 acres upstream from station. National Weather Service satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 22,200 ft³/s, June 19, 1918, at site 1.5 mi upstream.

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	1200	1170	850	1100	1200	1400	1120	521	433	524	532	671
2	1160	1200	950	1100	1200	1450	1220	494	409	525	517	660
3	1140	1200	1000	1100	1200	1500	1340	488	400	525	518	718
4	1120	1190	1100	1150	1200	1400	1340	478	394	530	525	663
5	1130	1170	1200	1150	1200	1450	1350	476	384	523	515	655
6	1150	1160	1200	1200	1200	1500	1350	465	390	515	539	642
7	1160	1210	1200	1250	1200	1600	1340	452	570	512	619	640
8	1140	1200	1100	1300	1200	1650	1360	452	580	521	620	637
9	1120	1200	1000	1300	1250	1600	1370	468	577	518	609	626
10	1120	1330	920	1250	1250	1450	1350	496	577	506	607	627
11	1130	1220	1000	1200	1250	1360	1320	442	760	529	614	640
12	1130	1200	1150	1200	1250	1320	1330	423	630	563	608	623
13	1130	1180	1120	1200	1300	1280	1320	419	609	552	607	501
14	1130	1180	1080	1200	1300	1250	1330	433	595	528	607	482
15	1130	1170	1140	1200	1300	1250	1330	446	602	518	669	474
16	1130	1140	1120	1200	1250	1290	1320	460	614	513	1080	467
17	1130	1120	1120	1200	1300	1330	1300	449	604	514	919	464
18	1130	1150	1130	1200	1300	1300	1310	420	615	519	675	462
19	1140	1130	1150	1200	1300	1310	1280	400	597	520	660	472
20	1150	1080	1100	1250	1250	1220	1270	401	592	522	633	473
21	1160	1080	1100	1250	1250	1180	1080	412	545	546	628	470
22	1160	1070	1100	1200	1300	1160	549	426	544	517	628	472
23	1190	1070	1100	1200	1300	1140	487	406	538	522	694	471
24	1180	1000	1100	1200	1250	1140	483	402	526	538	612	463
25	1170	1030	1100	1250	1300	1140	656	385	527	537	597	453
26	1170	1040	1100	1250	1300	1130	1080	376	554	536	602	452
27	1180	1040	1100	1200	1350	1160	1090	386	530	525	604	460
28	1180	1050	1050	1200	1350	1130	1090	393	531	527	609	463
29	1180	1030	1050	1150	1400	1130	1100	387	532	519	618	468
30	1180	1000	1050	1150	---	1130	965	390	532	513	619	456
31	1180	---	1050	1150	---	1140	---	416	---	525	634	---
TOTAL	35700	34010	33530	37150	36700	40490	34830	13462	16291	16282	19518	16225
MEAN	1152	1134	1082	1198	1266	1306	1161	434	543	525	630	541
MAX	1200	1330	1200	1300	1400	1650	1370	521	760	563	1080	718
MIN	1120	1000	850	1100	1200	1130	483	376	384	506	515	452
AC-FT	70810	67460	66510	73690	72790	80310	69090	26700	32310	32300	38710	32180

09218500 BLACKS FORK NEAR MILLBURNE, WY

LOCATION.--Lat 41°01'54", long 110°34'43", in NW¼NE¼SW¼ sec.11, T.12 N., R.117 W., Uinta County, Hydrologic Unit 14040107, on left bank 0.4 mi downstream from Meeks Cabin Dam, 2.7 mi north of Utah-Wyoming State line, and 17 mi southwest of Millburne.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--July 1939 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 929: 1940.

GAGE.--Water-stage recorder. Datum of gage is 8,512.27 ft above National Geodetic Vertical Datum of 1929 (Bureau of Reclamation bench mark). Prior to Oct. 1, 1971, at several sites about 2.0 mi downstream at various datums.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Meeks Cabin Reservoir, capacity, 32,470 acre-ft, since June 1971.

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	132	35	23	13	13	12	10	31	683	394	150	147
2	72	35	23	12	13	12	10	31	567	393	150	152
3	72	35	23	12	13	12	10	31	486	389	150	152
4	72	36	23	12	12	12	10	65	482	388	132	152
5	71	36	23	12	12	12	10	95	483	388	116	152
6	71	36	23	12	12	12	10	96	481	386	113	152
7	70	29	23	12	12	12	10	116	481	366	113	152
8	70	22	23	12	12	12	10	345	484	347	113	111
9	70	22	23	13	12	12	10	512	480	350	115	78
10	69	22	23	13	12	12	10	495	470	353	118	77
11	57	22	23	13	12	12	10	487	476	348	142	71
12	47	22	23	13	12	12	10	484	474	342	163	66
13	47	22	24	13	12	12	10	487	478	342	162	66
14	46	22	23	12	12	12	10	486	473	307	160	67
15	46	22	23	12	12	12	10	554	471	276	157	73
16	47	22	23	12	12	12	11	586	469	271	156	78
17	47	22	23	12	12	12	11	585	468	267	155	78
18	47	23	23	13	12	11	11	614	478	265	145	78
19	47	23	23	13	12	11	11	635	471	263	138	78
20	47	23	23	13	12	11	12	727	462	263	139	78
21	41	23	23	13	12	11	12	748	459	243	137	78
22	34	23	24	13	12	10	12	680	455	226	137	57
23	34	23	24	13	12	10	12	691	467	223	137	40
24	34	23	24	13	12	10	12	756	481	223	136	40
25	34	24	24	13	12	10	12	744	481	222	133	40
26	34	24	24	13	12	10	12	713	477	220	133	39
27	34	24	24	13	12	10	13	680	470	217	135	39
28	34	24	24	13	12	10	19	687	462	183	140	39
29	34	23	24	13	12	10	24	693	461	157	140	39
30	35	23	19	13	---	10	28	691	427	157	140	39
31	35	---	13	13	---	10	---	689	---	153	140	---
TOTAL	1630	765	708	392	351	348	362	15234	14457	8922	4295	2508
MEAN	52.6	25.5	22.8	12.6	12.1	11.2	12.1	491	482	288	139	83.6
MAX	132	36	24	13	13	12	28	756	683	394	163	152
MIN	34	22	13	12	12	10	10	31	427	153	113	39
AC-FT	3230	1520	1400	778	696	690	718	30220	28680	17700	8520	4970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1992, BY WATER YEAR (WY)

MEAN	58.9	39.5	29.1	26.4	25.3	28.4	58.3	406	703	339	127	85.2
MAX	199	137	52.7	47.8	57.2	71.7	297	743	1484	1081	317	196
(WY)	1985	1983	1984	1962	1971	1960	1946	1969	1983	1975	1983	1983
MIN	28.9	11.6	8.47	7.92	6.10	6.54	7.37	91.6	237	65.9	34.1	31.5
(WY)	1978	1971	1982	1978	1977	1977	1977	1977	1954	1940	1940	1946

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1940 - 1992	
ANNUAL TOTAL	48451		49972		--	
ANNUAL MEAN	133		137		161a	
HIGHEST ANNUAL MEAN	--		--		281	1983
LOWEST ANNUAL MEAN	--		--		82.9	1977
HIGHEST DAILY MEAN	799	Jun 18	756	May 24	2180	Jun 7 1957
LOWEST DAILY MEAN	10	Feb 8 to Mar 7, Mar 14 to Apr 9, May 13,14	10	Mar 22 to Apr 15	1.0	Sep 15,16 1983
ANNUAL SEVEN-DAY MINIMUM	10	Feb 8	10	Mar 22	5.7	Nov 7 1970
INSTANTANEOUS PEAK FLOW	--		803	May 21	2530b	Jun 7 1957
INSTANTANEOUS PEAK STAGE	--		4.01	May 21	6.76c	Jun 12 1965
ANNUAL RUNOFF (AC-FT)	96100		99120		116600	
10 PERCENT EXCEEDS	479		477		507	
50 PERCENT EXCEEDS	24		34		44	
90 PERCENT EXCEEDS	10		12		14	

a Unadjusted.
b From rating curve extended above 1,500 ft³/s.
c From floodmarks, site and datum then in use.

09220000 EAST FORK OF SMITHS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 41°03'15", long 110°23'52", in NE¼NW¼NE¼ sec.5, T.12 N., R.115 W., Uinta County, Hydrologic Unit 14040107, Wasatch National Forest, on left bank 60 ft downstream from bridge, 1.0 mi upstream from Gilbert Creek, 6.1 mi downstream from State Line Reservoir, and 9.0 mi south of Robertson.

DRAINAGE AREA.--53.0 mi².

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1971). Monthly discharge only for some periods, published in WSP 1313. Prior to Oct. 1, 1978, published as East Fork of Smith Fork near Roberton.

REVISED RECORDS.--WSP 979: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,470 ft above National Geodetic Vertical Datum of 1929, from topopgraphic map. Prior to July 12, 1957, at datum 3.96 ft higher.

REMARKS.--Estimated daily discharges: May 1-21, June 10, and July 15, 16. Records good except those for estimated daily discharges, which are poor. Flow completely regulated by State Line Reservoir, 6.1 mi upstream, total capacity, 14,000 acre-ft, dead storage is about 2,000 acre-ft, since May 1979.

COOPERATION.--Records provided by Office of the Wyoming State Engineer and reviewed by the Geological Survey.

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	---	---	---	---	---	---	---	17	170	144	46	48
2	---	---	---	---	---	---	---	17	151	125	45	48
3	---	---	---	---	---	---	---	17	135	104	43	44
4	---	---	---	---	---	---	---	17	142	104	41	41
5	---	---	---	---	---	---	---	17	151	109	42	41
6	---	---	---	---	---	---	---	17	151	107	52	40
7	---	---	---	---	---	---	---	20	151	105	68	40
8	---	---	---	---	---	---	---	26	151	105	68	40
9	---	---	---	---	---	---	---	26	151	105	66	40
10	---	---	---	---	---	---	---	27	147	105	66	38
11	---	---	---	---	---	---	---	27	142	105	65	35
12	---	---	---	---	---	---	---	27	140	105	64	35
13	---	---	---	---	---	---	---	27	140	107	62	35
14	---	---	---	---	---	---	---	35	140	105	60	35
15	---	---	---	---	---	---	---	44	140	100	60	35
16	---	---	---	---	---	---	---	45	140	95	59	35
17	---	---	---	---	---	---	---	45	140	88	59	36
18	---	---	---	---	---	---	---	130	142	90	59	37
19	---	---	---	---	---	---	---	178	105	90	57	38
20	---	---	---	---	---	---	---	175	107	87	56	38
21	---	---	---	---	---	---	---	170	107	85	54	37
22	---	---	---	---	---	---	---	170	109	83	54	37
23	---	---	---	---	---	---	---	173	113	72	54	37
24	---	---	---	---	---	---	---	170	113	65	53	34
25	---	---	---	---	---	---	---	178	133	72	50	32
26	---	---	---	---	---	---	---	186	146	72	50	31
27	---	---	---	---	---	---	---	183	142	66	48	31
28	---	---	---	---	---	---	---	181	146	62	45	31
29	---	---	---	---	---	---	---	178	146	62	46	31
30	---	---	---	---	---	---	---	176	146	59	46	31
31	---	---	---	---	---	---	---	173	---	50	48	---
TOTAL	---	---	---	---	---	---	---	2872	4137	2833	1686	1111
MEAN	---	---	---	---	---	---	---	92.6	138	91.4	54.4	37.0
MAX	---	---	---	---	---	---	---	186	170	144	68	48
MIN	---	---	---	---	---	---	---	17	105	50	41	31
AC-FT	---	---	---	---	---	---	---	5700	8210	5620	3340	2200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1971, BY WATER YEAR (WY)

MEAN	15.9	10.9	8.10	7.15	7.19	8.00	20.5	126	216	88.9	33.7	19.6
MAX	34.8	19.0	16.9	16.4	13.4	15.0	90.0	201	430	269	120	59.8
(WY)	1962	1952	1966	1966	1966	1943	1946	1952	1965	1965	1965	1965
MIN	5.21	5.50	2.11	1.34	1.55	2.14	5.01	31.6	59.3	15.9	6.64	6.68
(WY)	1957	1957	1963	1963	1963	1963	1970	1953	1954	1940	1940	1956

SUMMARY STATISTICS	FOR 1992 WATER YEAR*		WATER YEARS 1939 - 1971	
ANNUAL MEAN	--		47.1	
HIGHEST ANNUAL MEAN	--		88.9	1965
LOWEST ANNUAL MEAN	--		25.4	1954
HIGHEST DAILY MEAN	186	May 26	1030	Jun 10 1965
LOWEST DAILY MEAN	17	May 1	1.0	Dec 17 1962
ANNUAL SEVEN-DAY MINIMUM	--		1.0	Dec 17 1962
INSTANTANEOUS PEAK FLOW	192	May 26	1450	Jun 10 1965#
INSTANTANEOUS PEAK STAGE	5.08	May 26	6.75	Jun 10 1965#
ANNUAL RUNOFF (AC-FT)	--		34160	
10 PERCENT EXCEEDS	--		140	
50 PERCENT EXCEEDS	--		13	
90 PERCENT EXCEEDS	--		5.6	

* During period of operation.
\# For period of record through 1992.

09229500 HENRYS FORK NEAR MANILA, UT

LOCATION.--Lat 41°00'45", long 109°40'20", in NW¼NW¼ sec.23, T.12 N., R.109 W., Sweetwater County, WY, Hydrologic Unit 14040106, on right bank 0.8 mi north of Wyoming-Utah State line, 1.3 mi upstream from normal high-water line of Flaming Gorge Reservoir at elevation 6,045 ft, and 3.0 mi northeast of Manila, UT.

DRAINAGE AREA.--520 mi², approximately.

PERIOD OF RECORD.--October 1928 to current year. Prior to October 1971, published as "at Linwood, UT."

REVISED RECORDS.--WSP 1443: 1955. WDR WY-76-2: 1970. WY-92-1: 1991(m).

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 1, 1957, nonrecording gages or water-stage recorder at several sites about 2.0 mi downstream at various datums. Oct. 1, 1957, to Dec. 2, 1965, water-stage recorders at sites about 1.0 mi upstream at different datums.

REMARKS.--Estimated daily discharges: Oct. 25, Oct. 27 to Nov. 7, Nov. 10, 11, and Nov. 13 to Mar. 8. Records fair except those for estimated daily discharges, which are poor. Peoples Irrigation Canal diverts 5.9 mi upstream. Natural flow of stream affected by transbasin diversions, small storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

REVISIONS.--The revised daily discharges, in cubic feet per second, for the period Sept. 12-30, 1991 are given below. Corrections to resultant statistical values published in the report for 1991 are included. These figures supersede those published in Wyoming Data Report for 1991.

Sept. 12	143	Sept. 17	89			Sept. 22	45			Sept. 27	44	
13	129	18	76			23	49			28	42	
14	113	19	71			24	49			29	41	
15	103	20	61			25	46			30	52	
16	96	21	55			26	45					

	TOTAL	MEAN	AC-FT	10-PERCENT EXCEEDS
September 1991	2210	73.7	4380	--
Wtr Yr 1991	28163.3	77.2	55860	117
September 1929-1991	--	35.5	--	--
Wtr Yr 1929-1991	--	--	61060	--

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	52	100	60	65	50	160	77	306	124	29	6.0	3.6
2	44	120	60	65	50	170	67	345	101	41	5.4	3.2
3	38	120	60	65	55	170	61	294	82	43	5.0	3.5
4	34	110	60	65	55	160	63	211	67	38	4.7	3.2
5	34	140	65	70	55	150	60	160	65	26	4.4	2.6
6	36	150	70	70	55	140	62	144	49	19	4.4	2.6
7	38	160	70	65	55	130	55	173	35	15	4.3	2.6
8	40	144	75	60	60	120	51	200	46	14	4.4	2.6
9	38	140	70	55	65	102	53	213	46	13	4.4	2.3
10	35	140	65	50	70	118	58	198	41	11	4.1	2.4
11	32	130	65	55	75	133	71	126	35	12	4.1	2.4
12	26	123	60	60	75	97	82	101	43	18	4.1	2.4
13	32	123	70	55	75	130	81	106	37	31	3.9	2.5
14	31	120	75	58	70	144	80	170	29	26	4.0	2.7
15	32	110	70	60	65	191	79	375	29	14	4.2	3.0
16	36	95	65	60	65	174	95	293	37	13	4.1	3.0
17	31	85	60	60	60	136	110	249	36	12	4.1	3.0
18	26	90	65	55	60	93	115	201	33	11	3.8	2.8
19	26	80	65	55	60	92	145	160	25	8.4	3.0	2.1
20	34	73	65	60	70	79	113	203	20	8.8	3.0	2.1
21	43	70	60	55	80	77	95	308	19	11	3.0	2.2
22	55	65	55	60	80	77	102	266	16	12	2.8	2.4
23	64	60	55	65	75	77	103	186	15	9.3	2.8	2.4
24	71	65	50	65	70	78	99	152	15	8.6	2.9	2.7
25	71	70	55	70	75	75	94	155	15	8.2	3.1	3.2
26	73	75	60	65	90	78	102	427	111	7.7	3.1	3.5
27	79	70	60	65	110	78	118	391	138	6.6	3.1	4.7
28	75	75	60	65	140	85	140	212	74	6.8	3.2	5.1
29	65	70	65	60	150	97	178	148	47	7.0	3.2	4.5
30	61	65	65	60	---	97	227	156	31	6.5	3.2	3.3
31	80	---	65	55	---	87	---	144	---	6.1	3.8	---
TOTAL	1432	3038	1965	1893	2115	3595	2836	6773	1461	493.0	119.6	88.6
MEAN	46.2	101	63.4	61.1	72.9	116	94.5	218	48.7	15.9	3.86	2.95
MAX	80	160	75	70	150	191	227	427	138	43	6.0	5.1
MIN	26	60	50	50	50	75	51	101	15	6.1	2.8	2.1
AC-FT	2840	6030	3900	3750	4200	7130	5630	13430	2900	978	237	176

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

MEAN	47.8	55.5	47.4	42.5	46.3	69.4	86.1	152	280	95.3	51.2	35.0
MAX	176	117	105	103	88.6	165	196	541	1375	703	323	191
(WY)	1983	1984	1985	1984	1984	1929	1944	1984	1983	1975	1965	1929
MIN	.000	12.8	20.5	15.2	15.0	24.9	3.94	3.79	.10	.000	.090	.000
(WY)	1935	1935	1933	1933	1933	1957	1935	1977	1934	1934	1940	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	31750.8		25809.2		--	
ANNUAL MEAN	87.0		70.5		84.1	
HIGHEST ANNUAL MEAN	--		--		273	1983
LOWEST ANNUAL MEAN	--		--		16.5	1934
HIGHEST DAILY MEAN	998	Jun 14	427	May 26	3780	Jun 13 1965
LOWEST DAILY MEAN	7.6	May 8	2.1	Sep 19, 20	.00	Several days in 1933-35, 1939-40
ANNUAL SEVEN-DAY MINIMUM	8.7	May 8	2.4	Sep 18	.00	Jun 6 1934
INSTANTANEOUS PEAK FLOW	--		1880	May 26	6750a	Aug 3 1936
INSTANTANEOUS PEAK STAGE	--		6.70	May 26	9.42b	Jul 15 1959
ANNUAL RUNOFF (AC-FT)	62980		51190		60900	
10 PERCENT EXCEEDS	130		150		171	
50 PERCENT EXCEEDS	50		60		48	
90 PERCENT EXCEEDS	24		3.4		4.4	

a Maximum discharge determined, gage height, 7.19 ft, site and datum then in use, from floodmarks, from rating curve extended above 570 ft³/s on basis of slope-area measurement of peak flow.
b Site and datum then in use, discharge not determined.

09234400 FLAMING GORGE RESERVOIR AT FLAMING GORGE DAM, UT

LOCATION.--Lat 40°54'23", long 109°25'15", in NW¼NE¼ sec.15, T.2 N., R.22 E., Daggett County, Hydrologic Unit 14040106, at Flaming Gorge Dam on Green River, 1.8 mi southwest of Dutch John, and 4.9 mi northeast of Greendale.

DRAINAGE AREA.--19,350 mi², of which about 4,260 mi², including 3,959 mi² in Great Divide Basin in southern Wyoming, is probably noncontributing.

PERIOD OF RECORD.--November 1962 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,871 ft above NGVD of 1929, (levels by Bureau of Reclamation). Prior to Jan. 1, 1964, on left bank 600 ft upstream from face of dam.

REMARKS.--Records good. Reservoir is formed by concrete arch-type dam; storage began Nov. 1, 1962; mass concrete of dam completed Nov. 15, 1962. Total capacity, 3,789,000 acre-ft, consisting of the following: Dead storage, 39,700 acre-ft below elevation 5,740 ft; inactive usable storage, 233,500 acre-ft between elevations 5,740 ft and 5,871 ft; active usable storage, 3,516,000 acre-ft between elevations 5,871 ft and 6,040 ft (top of conservation pool). Reservoir is used for flood control, storage replacement to meet downstream requirements under the Colorado River Compact of 1922, and power development. Figures given herein represent usable contents. Transbasin diversions and diversions for irrigation above station.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 3,911,000 acre-ft July 13, 1983, elevation, 6,043.80 ft; minimum, 582,900 acre-ft Apr. 26, 1965, elevation, 5908.90 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,389,000 acre-ft Oct. 1, elevation, 6,031.11 ft; minimum observed, 3,106,000 acre-ft Sept. 30, elevation, 6,023.60 ft.

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

6,020	2,977,000	6,030	3,346,000
6,025	3,157,000	6,033	3,464,000

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3389	3362	3373	3326	3297	3312	3332	3336	3257	3242	3209	3158
2	3389	3361	3373	3325	3298	3312	3332	3336	3255	3242	3207	3156
3	3388	3361	3372	3323	3298	3312	3332	3335	3256	3242	3206	3154
4	3387	3361	3372	3322	3298	3313	3334	3333	3255	3242	3204	3153
5	3385	3362	3372	3320	3298	3314	3335	3329	3255	3241	3202	3151
6	3385	3363	3371	3318	3299	3314	3337	3323	3256	3241	3201	3149
7	3384	3366	3371	3317	3300	3314	3337	3316	3255	3240	3199	3147
8	3383	3367	3370	3316	3300	3315	3337	3309	3254	3238	3197	3145
9	3381	3370	3370	3314	3300	3315	3337	3302	3254	3237	3196	3143
10	3380	3373	3369	3313	3300	3316	3339	3298	3253	3236	3194	3140
11	3380	3373	3369	3312	3301	3316	3340	3291	3254	3235	3193	3138
12	3378	3372	3368	3311	3302	3317	3341	3283	3253	3234	3191	3135
13	3378	3374	3366	3311	3302	3319	3340	3276	3254	3234	3189	3132
14	3377	3376	3364	3310	3303	3321	3342	3272	3254	3232	3188	3130
15	3376	3374	3362	3310	3304	3321	3344	3270	3254	3231	3186	3127
16	3376	3375	3360	3309	3305	3322	3347	3266	3254	3229	3185	3126
17	3374	3374	3358	3308	3305	3324	3348	3263	3252	3228	3184	3124
18	3374	3374	3356	3308	3306	3325	3348	3260	3251	3227	3183	3123
19	3373	3372	3353	3307	3306	3325	3347	3257	3249	3226	3181	3121
20	3372	3372	3352	3306	3306	3326	3346	3254	3249	3224	3180	3120
21	3371	3372	3351	3305	3306	3327	3347	3254	3249	3223	3177	3118
22	3369	3370	3349	3305	3306	3328	3345	3255	3248	3222	3176	3116
23	3367	3368	3347	3304	3306	3327	3343	3255	3247	3221	3174	3115
24	3366	3367	3345	3303	3306	3328	3342	3257	3248	3219	3172	3114
25	3365	3367	3343	3302	3307	3327	3341	3256	3247	3218	3170	3113
26	3364	3368	3341	3301	3308	3328	3341	3259	3246	3217	3168	3112
27	3365	3368	3338	3300	3309	3328	3340	3257	3246	3215	3166	3111
28	3366	3373	3336	3300	3310	3329	3340	3256	3244	3214	3164	3109
29	3365	3373	3333	3299	3311	3329	3340	3258	3243	3213	3163	3108
30	3363	3373	3331	3298	---	3330	3338	3259	3243	3211	3161	3106
31	3363	---	3328	3297	---	3332	---	3259	---	3210	3159	---
MAX	3390	3380	3370	3330	3310	3330	3350	3340	3260	3240	3210	3160
MIN	3360	3360	3330	3300	3300	3310	3330	3250	3240	3210	3160	3110
(#)	6030.43	6030.69	6029.53	6028.30	6028.08	6029.60	6029.78	6027.72	6027.28	6026.43	6025.05	6023.60
(*)	-27	+10	-45	-31	+14	+21	+6	-79	-16	-33	-51	-53

CAL YR 1991 . . . . . (*) +265
WTR YR 1992 . . . . . (*) -284

(#) Elevation, in feet, at end of month.
(*) Change in contents, in thousands of acre-feet.

09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in NW¼NW¼SE¼ sec. 15. T. 2 N., R. 22 E., Daggett County, Hydrologic Unit 14040106, Ashley National Forest on right bank 0.5 mi downstream from Flaming Gorge Dam, 2 mi south of Dutch John, 4 mi northeast of Greendale, and 407 mi from mouth.

DRAINAGE AREA.--19,350 mi², approximately, including about 4,260 mi² which is probably noncontributing. This noncontributing area includes 3,959 mi² in Great Divide Basin in southern Wyoming.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft above NGVD of 1929. Prior to Sept. 2, 1959, water-stage recorder at site 2.2 mi upstream at different datum. Sept. 3, 1959, to Sept. 30, 1985, at datum 5.0 ft lower.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Flaming Gorge Reservoir 0.5 mi upstream, beginning Nov. 1, 1962 (see station 09234400).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft³/s June 12, 1957, gage height, 10.60 ft, site and datum then in use; maximum gage height, 14.51 ft May 12, June 6, 1986, datum then in use; minimum, 2.3 ft³/s Mar. 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,420 ft³/s May 6, gage height, 11.52 ft; minimum daily, 823 ft³/s Nov. 30.

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	1540	1550	1410	2370	1810	1130	1470	1930	1550	852	1070	1550
2	1550	1810	1560	2220	1800	1600	1200	1200	1590	855	1070	1520
3	1460	1610	1590	2410	1790	1880	1230	1350	868	854	1070	1550
4	1640	1690	1270	2370	1660	1540	1080	2260	860	853	1300	1540
5	1640	1240	1200	2370	1780	1340	1020	3130	897	853	1290	1550
6	1650	1280	1720	2370	1450	1660	1310	4220	860	852	1300	1550
7	1610	1210	981	2370	1440	1560	1490	4220	860	995	1290	1560
8	1640	1190	1310	2340	1750	1340	1540	4290	875	1090	1290	1550
9	1640	1050	1150	2360	1650	1440	1640	4300	863	1070	1290	1560
10	1640	851	1460	2380	1580	1490	1670	4300	960	1070	1300	1540
11	1640	1370	1390	2350	1490	1380	1230	4300	912	1070	1290	1550
12	1650	1510	1650	2370	1410	1400	1770	4310	861	1070	1300	1480
13	1650	1380	2080	2350	1360	1170	1740	4310	863	1070	1330	1550
14	1650	1390	2500	2350	1100	1290	1300	3900	863	1110	1340	1560
15	1650	1840	2560	2180	1430	1700	1320	3520	860	1070	1320	1520
16	1650	1650	2500	2210	1400	1640	1160	3140	864	1090	1310	863
17	1650	1580	2370	2320	1460	1070	1170	2750	864	1070	1330	846
18	1670	1840	2340	2250	1270	1620	1680	2370	862	1120	1330	848
19	1650	2260	2340	2360	1730	1190	1600	1960	861	1080	1330	849
20	1660	1670	2360	2330	1490	1430	1700	1550	859	1070	1390	850
21	1660	1580	2360	2350	1500	1250	2030	1100	903	1070	1520	1100
22	1650	1580	2480	2300	1350	1510	1930	871	857	1090	1330	1190
23	1650	1820	2310	2300	1980	1620	1760	874	863	1090	1350	899
24	1670	1340	2440	2370	1350	1600	1060	878	860	1090	1550	895
25	1690	1340	2480	2290	1200	1760	1610	882	864	1070	1570	896
26	1580	1320	2440	2050	1120	1530	1310	868	858	1070	1550	896
27	1660	910	2440	2370	1150	1630	1720	866	856	1100	1570	896
28	1560	825	2380	2350	927	1190	1490	869	856	1070	1560	896
29	1710	849	2480	2170	1170	1350	1890	867	860	1070	1550	899
30	1650	823	2430	2150	---	1270	2120	869	852	1070	1550	897
31	1640	---	2440	2370	---	1020	---	866	---	1070	1550	---
TOTAL	50650	42358	62421	71700	42597	44600	45240	73120	27481	32024	42190	36850
MEAN	1634	1412	2014	2313	1469	1439	1508	2359	916	1033	1361	1228
MAX	1710	2260	2560	2410	1980	1880	2120	4310	1590	1120	1570	1560
MIN	1460	823	981	2050	927	1020	1020	866	852	852	1070	846
AC-FT	100500	84020	123800	142200	84490	88460	89730	145000	54510	63520	83680	73090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1992, BY WATER YEAR (WY)

MEAN	1643	1671	1772	1745	1771	1639	2082	2815	3575	2669	1955	1608
MAX	3911	3655	3626	4145	4090	3818	6288	9610	11420	10130	5055	3729
(WY)	1983	1983	1973	1985	1984	1977	1962	1952	1957	1983	1983	1983
MIN	128	90.0	268	367	442	106	134	130	125	104	102	113
(WY)	1964	1963	1963	1963	1955	1963	1963	1963	1963	1963	1963	1963

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951 - 1992	
ANNUAL TOTAL	500034		571231			
ANNUAL MEAN	1370		1561		2079	
HIGHEST ANNUAL MEAN					4270	1983
LOWEST ANNUAL MEAN					231	1963
HIGHEST DAILY MEAN	2560	Dec 15	4310	May 12	19200	Jun 12 1957
LOWEST DAILY MEAN	823	Nov 30	823	Nov 30	40	Nov 13 1962
ANNUAL SEVEN-DAY MINIMUM	869	Apr 2	853	Jun 30	57	Nov 13 1962
ANNUAL RUNOFF (AC-FT)	991800		1133000		1506000	
10 PERCENT EXCEEDS	1760		2370		3870	
50 PERCENT EXCEEDS	1390		1490		1600	
90 PERCENT EXCEEDS	871		864		645	

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1956 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1956 to September 1959, October 1963 to current year.
WATER TEMPERATURES: October 1956 to September 1959, October 1963 to current year.
SEDIMENT DATA: October 1956 to September 1959.

INSTRUMENTATION.--Water-quality monitor since December 1986.

REMARKS.--Storage in Flaming Gorge Reservoir began on Nov. 1, 1962. Samples for daily records are taken inside Penstock. Extremes are given for two separate periods--water years 1957-62, and water years 1964 to current year. Extremes for the 1963 water year (October 1962 to September 1963) are not included. Unpublished daily records of specific conductance obtained before 1965 were included in the determination of extremes for period of daily record and are available in files of district office. Daily records provided by Bureau of Reclamation. Water-quality monitor located in seperate shelter 0.6 mi downstream from Flaming Gorge Dam.

EXTREMES FOR PERIOD OF DAILY RECORD (water years 1957-62, 1964 to current year).--
SPECIFIC CONDUCTANCE (water years 1957-58, 1960-62): Maximum daily, 1,340 microsiemens Aug. 30, 1961; minimum daily, 325 microsiemens June 2, 1961.
WATER TEMPERATURES (water years 1957-59): Maximum, 24.0°C July 24, 25, 1959; minimum, 0.0°C on many days during winter period each year.
SPECIFIC CONDUCTANCE (water years 1964 to current year): Maximum daily, 1,060 microsiemens Nov. 9, 1971; minimum recorded, 550 microsiemens June 25, July 4.
WATER TEMPERATURES: Maximum recorded, 17.2°C July 9, 1989; minimum recorded 1.6°C Mar. 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 818 microsiemens Jan. 29, 31; minimum recorded, 682 microsiemens June 20.
WATER TEMPERATURES: Maximum recorded, 14.6°C Oct. 3; minimum recorded, 2.7°C Feb. 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)
OCT 02...	1430	1710	740	8.2	24.5	12.5	10.2	700	--
DEC 04...	1240	860	790	7.8	-5.0	6.0	10.4	620	260
FEB 04...	1200	2180	816	8.1	2.0	3.0	12.2	625	260
APR 09...	1200	1460	750	8.2	27.0	6.5	11.4	620	330
JUN 02...	1230	861	710	8.5	28.0	11.5	10.4	620	240
AUG 04...	1300	1300	710	8.3	30.0	12.5	9.7	620	240

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 02...	--	--	--	--	--	--	--	--	--
DEC 04...	63	25	61	33	2	2.6	220	20	0.3
FEB 04...	63	25	60	33	2	2.8	220	19	0.2
APR 09...	78	33	68	31	2	2.0	250	21	0.2
JUN 02...	60	22	55	33	2	2.6	190	18	0.3
AUG 04...	59	23	57	34	2	2.5	190	21	0.3

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)
OCT 02...	--	--	--	--	--	0.03	1.1	1.1	5.0
DEC 04...	1.3	501	488	0.68	1160	0.04	<0.20	--	--
FEB 04...	1.7	490	486	0.67	2880	0.05	<0.20	--	--
APR 09...	11	587	577	0.80	2310	0.01	--	--	--
JUN 02...	1.8	450	438	0.61	1050	0.02	0.20	0.22	0.99
AUG 04...	2.1	458	444	0.62	1610	0.03	<0.20	--	--

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE)
DEC 04...	1240	<1
FEB 04...	1200	<1
APR 09...	1200	2
JUN 02...	1230	<1
AUG 04...	1300	<1

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	752	746	750	776	760	769	---	---	---	808	805	807
2	751	744	747	777	767	774	---	---	---	809	806	807
3	748	739	744	773	771	772	---	---	---	809	807	808
4	745	741	743	778	767	773	788	787	788	811	807	809
5	750	743	747	774	770	772	789	787	788	813	809	811
6	753	747	750	773	767	771	790	787	789	813	809	812
7	750	748	749	771	768	771	794	789	791	812	810	811
8	753	750	752	---	---	---	793	791	792	812	809	811
9	756	753	754	---	---	---	794	791	793	812	809	811
10	760	755	758	---	---	---	794	791	793	813	810	812
11	760	757	759	---	---	---	794	793	794	813	811	812
12	764	756	759	---	---	---	796	793	794	813	811	812
13	760	749	755	---	---	---	796	792	793	813	811	812
14	754	744	750	---	---	---	797	793	795	812	809	810
15	754	746	750	---	---	---	797	794	796	812	809	811
16	758	753	756	---	---	---	798	795	797	814	811	812
17	759	753	755	---	---	---	799	795	797	815	812	814
18	757	754	756	---	---	---	799	796	798	815	812	814
19	760	757	759	---	---	---	800	797	799	815	813	814
20	761	758	760	---	---	---	800	799	800	815	814	814
21	761	759	760	---	---	---	800	799	800	814	813	813
22	763	760	761	---	---	---	803	799	801	814	812	813
23	762	757	760	---	---	---	803	800	802	815	813	814
24	766	757	763	---	---	---	804	802	803	815	813	814
25	774	764	769	---	---	---	805	802	804	816	814	815
26	776	768	772	---	---	---	806	804	805	816	814	815
27	773	762	769	---	---	---	806	804	805	816	815	816
28	769	761	764	---	---	---	806	804	805	817	815	816
29	778	760	770	---	---	---	807	805	806	818	815	817
30	772	763	769	---	---	---	806	805	806	817	816	817
31	769	763	766	---	---	---	807	805	806	818	816	817
MONTH	778	739	757	---	---	---	---	---	---	818	805	813

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	817	815	816	810	807	808	795	776	789	749	742	746
2	817	815	816	810	807	808	780	770	775	753	737	744
3	817	816	816	811	807	809	777	765	772	747	739	744
4	817	816	817	809	807	808	774	769	770	744	721	739
5	817	815	816	808	804	806	773	769	770	742	733	739
6	817	815	816	808	803	805	773	754	766	744	738	741
7	817	814	816	810	804	807	770	757	762	741	739	740
8	816	814	815	806	804	805	767	744	756	742	735	740
9	816	814	815	807	803	805	761	735	751	739	737	738
10	816	815	816	804	797	801	765	743	753	739	733	736
11	816	815	816	799	796	797	764	746	750	733	728	730
12	816	815	816	800	796	797	767	750	758	728	723	726
13	817	814	815	799	797	798	758	748	754	724	722	723
14	816	813	814	800	798	799	761	747	753	723	722	722
15	814	812	813	802	797	799	769	746	752	727	721	724
16	816	811	814	802	795	798	747	717	737	726	723	724
17	812	808	810	799	790	796	749	706	726	726	722	724
18	814	810	811	795	784	791	724	704	713	727	722	724
19	814	810	813	787	783	786	736	709	726	728	722	726
20	815	810	813	790	785	787	733	710	726	730	724	727
21	814	812	813	792	785	790	737	710	726	---	---	---
22	813	807	811	797	789	794	743	706	726	---	---	---
23	808	805	806	798	792	796	741	706	725	---	---	---
24	809	801	804	796	790	793	750	711	723	---	---	---
25	809	802	807	794	788	792	747	721	736	---	---	---
26	809	803	806	795	788	791	748	723	737	---	---	---
27	809	804	806	793	788	790	750	734	744	---	---	---
28	809	806	807	791	788	790	753	735	743	---	---	---
29	809	807	808	791	788	789	751	739	744	---	---	---
30	---	---	---	793	788	790	756	740	746	---	---	---
31	---	---	---	794	783	789	---	---	---	---	---	---
MONTH	817	801	812	811	783	797	795	704	747	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	713	705	708	710	697	705	726	718	722
2	---	---	---	712	705	708	719	690	707	725	719	722
3	713	706	710	714	709	711	717	703	710	729	721	724
4	713	703	708	714	707	710	718	708	713	724	718	722
5	716	706	710	711	706	708	720	710	716	725	708	722
6	710	706	708	715	706	710	721	713	717	725	720	722
7	708	704	706	717	710	713	720	710	715	749	720	722
8	709	702	705	720	709	715	721	711	718	723	717	720
9	706	700	703	714	707	711	722	711	717	726	717	719
10	710	696	705	722	706	710	721	711	715	720	716	719
11	711	700	706	715	708	712	715	710	712	722	718	719
12	711	703	706	710	705	707	715	707	712	722	715	719
13	711	703	706	715	692	707	712	703	710	723	715	719
14	709	699	704	715	706	712	716	711	713	725	721	722
15	715	699	707	713	704	707	717	712	714	724	711	722
16	713	707	710	710	702	706	718	711	714	727	722	725
17	709	703	707	707	697	705	719	711	715	727	723	725
18	712	704	707	712	692	706	718	713	716	731	721	724
19	712	696	707	710	696	705	720	711	715	726	723	724
20	710	682	704	713	699	705	722	715	718	744	721	724
21	712	701	708	705	701	703	725	714	719	727	721	724
22	712	708	710	711	696	705	728	717	723	727	721	725
23	715	706	710	714	701	706	731	721	726	727	723	725
24	718	709	713	720	705	710	736	723	726	739	724	726
25	714	705	709	714	695	707	726	718	723	726	719	723
26	717	707	713	710	698	707	721	716	718	729	722	725
27	718	712	716	715	690	708	721	714	717	730	723	729
28	721	714	716	714	692	708	719	715	717	729	722	727
29	717	705	710	709	701	704	722	716	718	729	718	726
30	711	704	708	708	700	704	722	717	720	747	719	729
31	---	---	---	709	705	707	723	718	719	---	---	---
MONTH	---	---	---	722	690	708	736	690	716	749	708	723

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.9	10.3	12.2	10.3	9.6	9.9	---	---	---	5.3	4.5	4.9
2	14.1	10.9	12.5	9.9	9.3	9.6	---	---	---	5.1	4.4	4.7
3	14.6	12.5	13.5	9.8	9.4	9.6	---	---	---	4.7	4.5	4.6
4	14.2	10.0	12.8	9.6	9.3	9.5	---	---	---	4.7	4.4	4.6
5	13.2	10.9	12.9	9.8	9.3	9.5	6.7	6.2	6.5	4.7	4.4	4.6
6	14.4	9.6	13.0	9.8	9.2	9.5	7.4	6.1	6.6	4.6	4.4	4.5
7	13.3	11.2	12.8	---	---	---	6.6	6.2	6.4	4.6	4.3	4.5
8	13.1	10.4	12.3	---	---	---	8.0	6.1	6.5	4.7	4.2	4.5
9	13.5	10.6	12.2	---	---	---	6.7	6.0	6.3	4.7	4.0	4.3
10	12.8	10.0	11.9	---	---	---	6.4	5.9	6.1	4.4	4.0	4.2
11	12.6	9.6	11.5	---	---	---	6.3	5.7	6.1	4.1	3.9	4.0
12	12.6	9.6	11.9	---	---	---	6.3	5.7	6.0	4.1	3.9	4.0
13	13.6	11.4	12.6	---	---	---	7.2	5.7	6.2	4.2	3.9	4.1
14	13.9	8.8	12.6	---	---	---	6.9	5.8	6.4	4.1	3.5	3.7
15	13.5	11.2	12.7	---	---	---	6.5	5.6	6.1	4.2	3.6	3.9
16	12.5	9.5	11.3	---	---	---	6.3	5.6	5.9	4.0	3.7	3.8
17	13.1	10.6	12.3	---	---	---	6.3	5.5	5.8	4.0	3.7	3.9
18	13.1	10.2	12.4	---	---	---	5.8	5.5	5.6	4.2	3.7	3.9
19	12.8	12.1	12.4	---	---	---	5.7	5.4	5.6	4.2	3.7	4.0
20	12.6	12.2	12.4	---	---	---	6.0	5.4	5.7	4.0	3.6	3.9
21	12.7	12.3	12.5	---	---	---	5.8	5.3	5.5	3.9	3.0	3.7
22	12.7	12.1	12.4	---	---	---	5.6	5.2	5.4	3.3	2.8	3.0
23	12.7	12.0	12.3	---	---	---	5.5	5.0	5.4	3.6	2.8	3.3
24	12.0	11.4	11.8	---	---	---	5.4	5.0	5.3	3.4	2.8	3.2
25	11.5	11.0	11.3	---	---	---	5.4	5.0	5.2	3.6	3.0	3.4
26	11.0	10.4	10.8	---	---	---	5.4	5.0	5.2	3.7	3.3	3.6
27	11.5	10.5	11.1	---	---	---	5.3	4.9	5.1	3.7	3.5	3.6
28	11.5	10.9	11.1	---	---	---	5.2	4.8	5.0	3.9	3.5	3.7
29	11.0	9.7	10.4	---	---	---	5.0	4.8	4.9	3.9	3.5	3.8
30	10.8	9.5	10.2	---	---	---	4.9	4.6	4.8	4.0	3.5	3.8
31	10.6	10.2	10.4	---	---	---	5.0	4.6	4.8	4.0	3.5	3.9
MONTH	14.6	8.8	12.0	---	---	---	---	---	---	5.3	2.8	4.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.9	3.5	3.7	4.1	3.6	3.8	4.5	3.2	3.6	---	---	---
2	3.9	3.4	3.6	4.2	3.6	3.9	5.1	4.1	4.6	---	---	---
3	3.9	3.6	3.8	4.1	3.8	4.0	5.3	4.4	4.9	---	---	---
4	3.9	3.5	3.7	4.1	3.8	4.0	5.4	4.5	5.1	---	---	---
5	3.8	3.3	3.6	4.0	3.6	3.8	5.3	3.9	4.9	---	---	---
6	4.0	3.5	3.7	4.0	3.7	3.9	6.0	3.0	5.1	---	---	---
7	3.8	3.4	3.7	4.2	3.7	3.9	5.8	4.2	5.3	---	---	e8.8
8	3.8	3.5	3.7	3.9	3.6	3.8	6.2	4.7	5.4	---	---	---
9	3.8	3.5	3.7	4.3	3.7	3.9	6.4	4.0	5.2	---	---	---
10	3.9	3.5	3.8	4.2	3.5	3.8	6.3	5.1	5.8	---	---	---
11	4.0	3.4	3.8	4.4	3.6	4.0	---	---	---	---	---	---
12	3.9	3.3	3.7	4.4	3.7	4.0	---	---	---	---	---	---
13	4.0	3.4	3.7	4.4	3.7	4.0	---	---	---	---	---	---
14	3.8	3.2	3.6	4.3	3.7	3.9	---	---	---	---	---	---
15	3.8	3.2	3.5	4.3	3.7	4.0	---	---	---	---	---	---
16	4.1	3.1	3.7	4.2	3.6	3.9	---	---	---	---	---	---
17	3.4	2.7	3.0	4.5	3.7	4.0	---	---	---	---	---	---
18	3.6	3.0	3.3	4.3	3.7	4.0	---	---	---	---	---	---
19	3.8	3.4	3.6	4.5	4.0	4.2	---	---	---	---	---	---
20	3.9	3.4	3.7	4.3	3.8	4.1	---	---	---	---	---	---
21	4.1	3.6	3.8	4.0	3.7	3.8	---	---	---	---	---	---
22	3.7	3.0	3.6	4.1	3.6	3.8	---	---	---	---	---	---
23	3.2	3.0	3.2	3.9	3.5	3.7	---	---	---	---	---	---
24	3.4	3.0	3.2	4.0	3.5	3.8	---	---	---	---	---	---
25	3.7	3.2	3.4	4.1	3.3	3.7	---	---	---	---	---	---
26	3.7	3.2	3.4	4.0	3.4	3.6	---	---	---	---	---	---
27	3.9	3.2	3.5	3.8	3.5	3.7	---	---	---	---	---	---
28	4.0	3.4	3.7	4.2	3.4	3.7	---	---	---	---	---	---
29	4.1	3.5	3.8	4.1	3.4	3.7	---	---	---	---	---	---
30	---	---	---	4.0	3.3	3.6	---	---	---	---	---	---
31	---	---	---	3.6	3.2	3.4	---	---	---	---	---	---
MONTH	4.1	2.7	3.6	4.5	3.2	3.9	---	---	---	---	---	---

e Estimated

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	e11.5	---	---	---	---	---	---	---	---	e12.5
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	e12.5	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	e12.8	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

09235600 POT CREEK ABOVE DIVERSIONS, NEAR VERNAL, UT

LOCATION.--Lat 40°46'05", long 109°19'06", in NW¼NE¼NE¼ sec. 3, T. 1 S., R. 23 E., Uintah County, Hydrologic Unit 14040106, on left bank 0.3 mi upstream from Matt Warner Reservoir, and 27 mi northeast of Vernal.

DRAINAGE AREA.--24.6 mi².

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

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,550 ft above NGVD of 1929, from topographic map. Prior to Aug. 26, 1965, at site 0.2 mi downstream at different datum. Prior to July 28, 1978 datum of gage 1.20 ft higher at same site.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 286 ft³/s May 10, 1973, gage height, 3.55 ft; maximum gage height recorded, 5.29 ft Apr. 3, 1985 (backwater from ice); no flow at times, most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 19	0700	*36	*3.40	No other peak greater than base discharge.			

No flow several days in August.

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	.56	1.0	.44	.29	.25	.77	17	11	1.6	.23	.00	.16
2	.44	.88	.44	.29	.23	1.1	16	11	1.5	.30	.00	.17
3	.36	.69	e.46	.28	.22	.49	18	11	1.4	.42	.06	.12
4	.33	.70	e.47	.29	.22	.40	21	9.5	1.3	.23	.25	.13
5	.38	.74	e.48	.29	.24	.36	20	8.4	1.2	.15	.08	.23
6	.34	1.1	e.48	.32	.23	.28	15	7.5	1.1	.12	.08	.16
7	.33	1.3	.50	.34	.23	.82	13	6.9	1.1	.22	.11	.15
8	.35	1.1	.54	.33	.22	2.9	12	6.6	1.7	.73	.02	.14
9	.36	.92	.50	.27	.24	5.7	13	8.5	1.3	.51	.10	.10
10	.30	1.1	.47	.28	.26	8.6	14	9.7	1.0	.41	.08	.07
11	.29	.92	.47	.34	.27	12	14	8.1	.93	.36	.16	.10
12	.32	.70	.47	.34	.28	17	15	6.3	.79	.39	.04	.11
13	.32	.59	.45	.33	.29	24	15	7.4	.69	.87	.00	.10
14	.24	.58	.46	.33	.30	27	16	9.0	.60	.51	.00	.09
15	.22	.54	.42	.33	.29	20	17	6.9	.67	.42	.00	.08
16	.24	.67	.39	.32	.30	15	17	5.5	.92	.36	.00	.08
17	.26	.69	.38	.31	.26	13	17	4.5	1.5	.24	.13	.18
18	.28	.64	.38	.33	.27	24	19	3.9	.83	.16	.15	.30
19	.27	.02	.38	.32	.28	31	17	3.5	.57	.17	.08	.24
20	.29	e.60	.38	.29	.28	21	15	4.3	.47	.17	.02	.29
21	.29	e.56	.36	.29	.28	10	13	3.6	.44	.16	.02	.19
22	.30	e.60	.33	.29	.29	7.1	14	3.3	.45	.13	.06	.17
23	.37	e.64	.32	.27	.29	4.6	13	3.0	.41	.11	.39	.14
24	.53	e.68	.34	.27	.29	5.7	11	2.7	.45	.11	.24	.13
25	.48	e.68	.31	.27	.29	8.4	10	2.5	.39	.15	.17	.13
26	.50	e.62	.29	.26	.29	11	9.8	2.4	.41	.14	.10	.11
27	.82	e.60	.27	.26	.29	9.9	9.8	4.7	.62	.09	.08	.12
28	1.5	e.58	.29	.26	.32	11	10	2.8	.45	.07	.06	.16
29	.38	e.51	.28	.26	.40	9.6	11	2.3	.35	.06	.07	.16
30	1.6	e.48	.29	.25	---	10	11	2.1	.23	.05	.06	.14
31	1.5	---	.28	.25	---	18	---	1.8	---	.02	.07	---
TOTAL	14.75	21.43	12.32	9.15	7.90	330.72	433.6	180.7	25.37	8.06	2.68	4.45
MEAN	.48	.71	.40	.30	.27	10.7	14.5	5.83	.85	.26	.086	.15
MAX	1.6	1.3	.54	.34	.40	31	21	11	1.7	.87	.39	.30
MIN	.22	.02	.27	.25	.22	.28	9.8	1.8	.23	.02	.00	.07
AC-FT	29	43	24	18	16	656	860	358	50	16	5.3	8.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	.41	.42	.20	.11	.17	1.25	13.4	21.0	7.37	.50	.19	.20
MAX	2.32	2.48	1.51	1.54	1.83	11.4	69.5	88.9	55.5	3.30	1.45	1.17
(WY)	1987	1985	1984	1984	1984	1972	1962	1973	1983	1983	1984	1984
MIN	.000	.000	.000	.000	.000	.000	.10	.92	.090	.000	.000	.000
(WY)	1958	1959	1958	1958	1958	1958	1968	1977	1977	1958	1958	1958

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1958 - 1992	
ANNUAL TOTAL	656.36		1051.13			
ANNUAL MEAN	1.80		2.87		3.78	
HIGHEST ANNUAL MEAN					13.7	1983
LOWEST ANNUAL MEAN					.29	1977
HIGHEST DAILY MEAN	24	May 16	31	Mar 19	188	May 9 1973
LOWEST DAILY MEAN	.00	Jan 1	.00	Aug 1	.00	Oct 1 1957
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.04	Jul 28	.00	Oct 1 1957
ANNUAL RUNOFF (AC-FT)	1300		2080		2740	
10 PERCENT EXCEEDS	5.3		11		10	
50 PERCENT EXCEEDS	.30		.38		.15	
90 PERCENT EXCEEDS	.00		.11		.00	

e Estimated

09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in NE¼SW¼SE¼ sec. 5, T. 5 S., R. 24 E., Uintah County, Hydrologic Unit 14060001, Dinosaur National Monument, on right bank 300 ft upstream from highway bridge, 1 mi downstream from Cub Creek and Chew Ranch, 4 mi southeast of Dinosaur National Monument headquarters, 6.5 mi northeast of Jensen, 12 mi upstream from Brush Creek, and 313.9 mi from mouth.

DRAINAGE AREA.--29,660 mi², approximately, including about 4,260 mi², which probably is noncontributing. This noncontributing area includes 3,959 mi² in Great Divide Basin in southern Wyoming.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1903 to December 1904, June to August 1905 (gage heights only), March to September 1906, July to October 1914, August to December 1915, October 1946 to current year. Prior to October 1946, published as "at Jensen," except October to December 1903, which was published as "near Vernal."

REVISED RECORDS.--WSP 1243: 1904(m). WRD UT-73: 1972. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,758 ft above NGVD of 1929, from river-profile map. Prior to Oct. 1, 1946, nonrecording gages at site 15 mi downstream at different datums. Dec. 13, 1946 to Sept. 30, 1948, water-stage recorder at present site at datum 1.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transbasin diversions and diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) 93.1 mi upstream beginning Nov. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft³/s May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft³/s Dec. 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,650 ft³/s May 12, gage height, 6.76 ft; minimum daily discharge, 844 ft³/s Dec. 2.

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	1740	1870	955	2610	e2500	1780	2500	5470	5720	1890	1590	1640
2	1690	1880	844	2530	e2200	2060	2450	6000	5210	1810	1520	1620
3	1680	1880	1760	2480	e2200	2330	2590	6600	5310	1740	1470	1700
4	1670	1770	1710	2490	e2100	2890	2530	6430	5040	1680	1440	1710
5	1580	1960	1630	2590	e2200	3040	2440	6380	4130	1620	1390	1700
6	1800	1790	1420	2610	e1690	3000	2280	6740	3900	1600	1480	1700
7	1810	1740	1660	2610	e1680	2930	2290	7560	3850	1610	1510	1700
8	1790	1740	1430	2620	e2200	3220	2630	7830	3800	1640	1490	1720
9	1760	1980	1380	2570	e2100	3200	2960	7930	3690	1670	1460	1750
10	1770	1910	1470	2560	2000	3070	2960	8150	3650	1740	1440	1770
11	1790	1730	1690	2590	2090	2840	3110	8550	3530	1690	1450	1810
12	1770	1630	1490	2580	1720	2600	3030	9530	3360	1730	1440	1840
13	1800	1960	1710	2570	1770	2450	3120	9150	3160	1820	1440	1840
14	1810	2000	2000	2590	1640	2400	3720	8380	3030	1820	1430	1840
15	1810	1950	2510	2590	1670	2270	3810	7830	2950	1790	1450	1880
16	1800	2090	2740	2400	1550	2420	3950	7520	2930	1960	1430	1880
17	1810	2120	2640	2560	1840	2810	4040	7300	2820	2070	1420	1680
18	1810	2040	2530	2540	1900	2740	4180	6970	2630	2050	1480	1270
19	1810	2270	2560	2700	1690	2580	4150	6600	2430	1980	1480	1230
20	1790	2340	2530	2700	1990	2860	4470	6300	2330	1940	1420	1220
21	1790	2390	2550	2710	2100	2650	4620	5940	2290	1880	1390	1250
22	1810	2000	2560	2710	1950	2620	4500	5710	2210	1810	1390	1300
23	1830	1820	2670	2710	1980	2470	4450	5730	2160	1730	1590	1580
24	1840	1990	2550	2670	2330	2520	4120	5780	2070	1680	1490	1660
25	1890	1650	2660	2690	2410	2590	4070	5690	2010	1660	1440	1390
26	1910	1620	2700	e2500	1730	2460	3870	5470	1960	1640	1550	1390
27	1880	1760	2640	e2750	1840	2750	3930	5160	1920	1620	1600	1390
28	1970	1470	2620	e2750	1860	2480	3730	5120	1890	1620	1620	1310
29	1930	1340	2590	e2760	1800	2530	3870	5900	1920	1690	1670	1200
30	1950	1200	2710	e2700	---	2260	4160	6900	1970	1680	1660	1170
31	1910	---	2630	e2790	---	2390	---	6620	---	1640	1640	---
TOTAL	56000	55890	65539	81230	56730	81210	104530	211240	93870	54500	46270	47140
MEAN	1806	1863	2114	2620	1956	2620	3484	6814	3129	1758	1493	1571
MAX	1970	2390	2740	2790	2500	3220	4620	9530	5720	2070	1670	1880
MIN	1580	1200	844	2400	1550	1780	2280	5120	1890	1600	1390	1170
AC-FT	111100	110900	130000	161100	112500	161100	207300	419000	186200	108100	91780	93500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1992, BY WATER YEAR (WY)

MEAN	2150	2177	2139	2118	2341	2982	5672	11200	11540	4849	2541	1921
MAX	5022	4833	4414	4844	4839	5765	15360	24110	26440	16110	6463	4159
(WY)	1983	1987	1987	1985	1986	1986	1962	1984	1957	1983	1983	1983
MIN	346	593	528	598	721	949	2029	4220	3129	498	453	505
(WY)	1964	1963	1963	1955	1955	1963	1963	1990	1992	1963	1963	1963

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1947 - 1992	
ANNUAL TOTAL	1044749		954149			
ANNUAL MEAN	2862		2607		4306	
HIGHEST ANNUAL MEAN					7784	1984
LOWEST ANNUAL MEAN					1458	1963
HIGHEST DAILY MEAN	10600	May 22	9530	May 12	38500	May 18 1984
LOWEST DAILY MEAN	844	Dec 2	844	Dec 2	260	Aug 2 1963
ANNUAL SEVEN-DAY MINIMUM	1000	Jan 17	1310	Nov 26	276	Jul 29 1963
ANNUAL RUNOFF (AC-FT)	2072000		1893000		3120000	
10 PERCENT EXCEEDS	7520		4540		10500	
50 PERCENT EXCEEDS	1930		2000		2720	
90 PERCENT EXCEEDS	1510		1480		1030	

e Estimated

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

WATER-QUALITY RECORDS

LOCATION.--Daily specific conductance and temperature data collected at bridge on U.S. Highway 40, at town of Jensen, 8 mi downstream from gaging station.

PERIOD OF RECORD.--June 1947 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1947 to September 1952, October 1961 to current year.
WATER TEMPERATURES: March 1949 to September 1959, October 1961 to current year.
SUSPENDED-SEDIMENT DISCHARGE: May 1948 to September 1979.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,330 microsiemens Sept. 10, 1963; minimum daily, 176 microsiemens May 24, 1963.
WATER TEMPERATURES: Maximum, 30.0°C July 11, 1958; minimum, 0.0°C on many days during winter period each year.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 40,600 mg/L Aug. 23, 1960; minimum daily mean, 9 mg/L Oct. 7-11, 1953, Nov. 22, 1962, and Sept. 1, 1972.
SEDIMENT LOADS: Maximum daily, 2,500,000 tons Mar. 29, 1962; minimum daily, 10 tons on many days in 1962 and 1963.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 910 microsiemens Feb. 29, Mar. 12, 14, 17; minimum observed, 315 microsiemens May 9, 18.
WATER TEMPERATURES: Maximum daily, 24.5°C Aug. 12, 13, 17, 18; minimum daily, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 01...	1130	1930	760	8.4	20.5	14.0	10.1	643	--	--
NOV 05...	1200	1870	790	8.2	11.0	3.0	12.6	644	260	61
DEC 03...	1200	1770	730	8.1	-5.0	0.0	12.8	645	250	60
JAN 08...	1230	2350	810	8.3	-2.0	0.5	12.7	642	250	62
FEB 06...	1230	1690	830	8.2	1.0	0.0	13.3	642	250	62
MAR 03...	1130	2230	760	8.3	12.0	4.0	10.8	636	230	55
APR 07...	1100	2170	690	8.4	19.5	11.5	12.2	641	240	57
MAY 06...	1145	6790	370	8.4	28.0	16.0	9.7	642	130	33
JUN 04...	1145	5120	400	8.3	27.0	18.0	8.3	636	140	35
JUL 08...	1130	1640	780	8.5	29.0	21.5	8.8	644	190	46
AUG 05...	1145	1440	670	8.4	34.0	20.5	10.4	642	220	53
SEP 03...	1230	1720	720	8.4	29.0	16.0	9.9	642	240	60

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 01...	--	--	--	--	--	--	--	--	--	--
NOV 05...	26	65	35	2	2.9	220	28	0.3	2.0	469
DEC 03...	25	59	33	2	2.9	220	27	0.3	2.4	544
JAN 08...	23	57	33	2	2.7	200	24	0.3	2.6	447
FEB 06...	24	60	34	2	2.6	200	24	0.2	3.0	476
MAR 03...	22	66	38	2	2.6	180	30	0.3	4.4	445
APR 07...	23	54	33	2	2.5	170	23	0.3	3.6	430
MAY 06...	11	24	29	0.9	1.6	76	11	0.2	7.8	223
JUN 04...	12	28	30	1	1.7	84	11	0.2	7.0	241
JUL 08...	18	45	34	1	2.3	140	25	0.3	3.4	330
AUG 05...	22	55	35	2	2.8	170	29	0.3	2.4	404
SEP 03...	23	59	34	2	2.7	180	25	0.3	4.0	451

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 01...	--	--	--	--	<0.01	0.16	0.03	0.04	0.03	0.09
NOV 05...	506	0.64	2370	0.29	0.01	0.30	0.05	0.06	0.01	0.03
DEC 03...	498	0.74	2600	--	<0.01	<0.05	0.06	0.08	0.01	0.03
JAN 08...	471	0.61	2840	--	<0.01	0.07	0.30	0.39	0.03	0.09
FEB 06...	475	0.65	2170	--	<0.01	0.08	0.21	0.27	<0.01	--
MAR 03...	453	0.61	2680	--	<0.01	0.08	0.03	0.04	<0.01	--
APR 07...	422	0.58	2520	--	<0.01	<0.05	<0.01	--	<0.01	--
MAY 06...	224	0.30	4090	--	<0.01	0.11	0.05	0.06	0.01	0.03
JUN 04...	238	0.33	3330	--	<0.01	0.10	0.03	0.04	0.01	0.03
JUL 08...	359	0.45	1460	--	<0.01	<0.05	0.04	0.05	0.02	0.06
AUG 05...	422	0.55	1570	--	<0.01	<0.05	0.03	0.04	<0.01	--
SEP 03...	446	0.61	2090	--	<0.01	<0.05	0.02	0.03	<0.01	--

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, SOLVED (UG/L AS SE)
NOV 05...	1200	100	<1
DEC 03...	1200	100	<1
JAN 08...	1230	100	<1
FEB 06...	1230	90	<1
MAR 03...	1130	100	<1
APR 07...	1100	80	1
MAY 06...	1145	50	<1
JUN 04...	1145	50	<1
JUL 08...	1130	70	<1
AUG 05...	1145	90	<1
SEP 03...	1230	90	<1

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	750	---	820	610	---	---	560	550	560	760	---
2	760	750	790	820	---	---	520	560	560	---	---	---
3	780	---	780	820	610	760	510	---	550	---	700	---
4	780	750	780	820	670	---	510	---	560	---	700	---
5	760	750	780	---	630	---	---	---	550	---	670	---
6	---	820	770	820	660	---	510	---	550	700	710	---
7	780	750	750	820	660	---	510	320	---	700	730	---
8	780	750	---	820	800	---	500	320	550	780	730	650
9	790	740	780	820	---	---	510	315	540	670	---	650
10	760	---	770	---	800	---	510	---	540	710	730	640
11	780	740	800	820	810	840	510	330	540	710	730	640
12	780	740	770	---	790	910	---	320	550	---	730	640
13	---	750	770	820	800	830	500	340	540	660	730	---
14	760	750	800	790	790	910	510	330	---	670	730	640
15	760	790	---	780	790	---	510	360	530	700	740	640
16	760	790	770	780	---	840	510	320	550	700	---	640
17	760	---	780	790	790	910	510	---	560	710	730	640
18	790	790	790	780	790	850	570	315	550	710	730	640
19	760	760	840	---	790	860	---	320	560	---	730	640
20	---	790	770	780	790	850	570	320	540	710	730	---
21	780	740	820	800	790	850	570	325	---	670	730	640
22	780	790	---	780	790	---	570	325	550	710	730	650
23	780	790	800	780	---	860	550	325	560	670	---	650
24	780	---	820	790	790	850	510	---	540	710	720	640
25	780	790	810	780	790	840	580	325	560	670	730	650
26	780	790	810	---	800	830	---	330	560	---	720	640
27	---	790	790	660	850	830	510	340	560	700	720	---
28	780	790	800	780	860	840	530	330	---	670	730	640
29	780	790	---	660	910	---	570	320	560	670	730	640
30	780	750	820	660	---	---	520	560	560	710	---	640
31	780	---	810	780	---	---	---	---	---	710	720	---
MEAN	780	770	790	780	770	---	530	---	550	690	720	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	4.0	---	.0	.0	---	11.0	16.5	17.5	22.5	23.0	22.0
2	16.5	4.5	.5	.0	---	---	11.5	17.0	17.5	23.0	---	22.0
3	16.5	---	.0	.0	.0	4.0	12.0	---	18.0	23.0	23.0	21.5
4	16.0	3.5	.0	.0	.0	---	12.0	16.5	18.0	22.5	23.5	21.0
5	16.0	3.5	.0	---	.0	---	---	16.0	18.0	---	24.0	20.5
6	---	3.0	.0	.0	.0	---	12.5	16.0	18.5	22.0	24.0	---
7	15.0	3.0	.0	.0	.0	---	12.5	16.5	---	22.5	24.0	21.0
8	15.0	3.0	---	.0	.0	---	13.0	16.5	19.0	22.5	23.5	20.5
9	14.5	3.5	.0	.0	---	---	13.5	16.5	19.0	23.0	---	20.0
10	14.5	---	.0	---	.0	---	13.0	---	19.5	23.0	24.0	19.5
11	14.0	3.0	.0	.0	.0	6.0	13.5	17.0	19.5	22.0	24.0	19.5
12	13.5	3.0	.0	---	.0	6.5	---	17.5	19.5	---	24.5	19.0
13	---	2.5	.0	.0	.0	6.5	14.0	17.0	20.0	23.0	24.5	---
14	13.0	2.5	.0	.0	1.0	7.0	14.0	17.5	---	23.5	24.0	18.5
15	13.0	2.0	---	.0	1.0	---	14.5	17.0	20.0	23.5	24.0	18.5
16	12.5	2.0	.0	.0	---	7.5	14.5	17.5	20.5	24.0	---	18.0
17	12.0	---	.0	.0	2.0	7.5	15.0	---	20.5	24.0	24.5	18.0
18	12.0	2.0	.0	.0	2.0	8.0	15.0	17.0	21.0	23.5	24.5	18.0
19	11.5	2.0	.0	---	2.5	8.0	---	17.0	21.0	---	24.0	18.0
20	---	1.5	.0	.0	3.0	8.5	15.5	16.5	21.5	23.0	23.5	---
21	11.0	1.5	.0	.0	3.0	9.0	15.5	16.5	---	23.0	23.5	17.0
22	10.5	1.5	---	.0	3.0	---	16.0	17.0	21.5	22.5	22.0	17.0
23	10.0	1.0	.0	.0	---	9.5	16.0	17.0	21.5	23.0	---	16.5
24	9.5	---	.0	.0	3.5	9.5	16.5	---	22.0	23.0	22.5	16.5
25	9.0	.5	.0	.0	4.0	10.0	16.5	17.5	22.0	22.5	22.5	16.0
26	7.0	.5	.0	---	4.0	10.0	---	17.5	22.5	---	22.0	16.0
27	---	.0	.0	.0	4.5	10.0	16.0	17.0	22.5	22.5	22.0	---
28	5.0	.0	.0	.0	4.5	10.5	16.0	17.5	---	23.0	22.5	15.5
29	4.5	.5	---	.0	5.0	---	16.5	17.5	22.0	23.0	22.5	15.0
30	4.0	.5	.0	.0	---	11.0	16.5	17.0	22.5	23.5	---	15.0
31	4.0	---	.0	.0	---	11.0	---	---	---	23.5	22.5	---
MEAN	11.5	2.0	.0	.0	1.5	---	14.5	17.0	20.0	23.0	23.5	18.5

09261700 BIG BRUSH CREEK ABOVE RED FLEET RESERVOIR, NEAR VERNAL, UT

LOCATION.--Lat 40°35'20", long 109°27'53", in NW¼SE¼NE¼ sec. 5, T. 3 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank 950 ft below State Highway 44, 5.5 mi upstream from Little Brush Creek, and 10.5 mi northeast of Vernal.

DRAINAGE AREA.--77.2 mi².

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,625 ft above NGVD of 1929, from topographic map. Prior to September 1980, water-stage recorder at site 250 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Water from Oaks Park Reservoir (capacity 6,250 acre-ft), near headwaters, is diverted through Oaks Park Canal to Ashley Creek basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 375 ft³/s June 2, 1983, gage height, 2.40 ft; maximum gage height, 3.06 ft May 23, 1980 at different datum; minimum daily, 7.6 ft³/s Feb. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 197 ft³/s May 1, gage height, 1.69 ft; minimum daily, 7.6 ft³/s Feb. 10.

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	22	17	15	e12	e12	13	14	194	50	32	28	21
2	21	17	15	e12	e11	12	15	195	46	30	28	21
3	21	15	15	e13	e12	12	18	193	42	28	28	20
4	20	15	14	e13	e12	12	21	190	39	28	28	22
5	19	16	14	e13	e11	13	25	186	38	28	28	23
6	19	16	15	e13	e10	14	28	184	37	31	28	21
7	18	17	16	e13	e9.6	14	31	174	40	35	28	19
8	17	18	15	e14	e8.8	13	34	162	44	37	27	18
9	18	17	14	e13	8.4	13	36	158	45	35	28	18
10	18	18	14	e13	7.6	12	41	158	39	35	27	16
11	19	19	14	e12	8.4	12	50	154	36	33	26	16
12	21	17	14	e12	8.9	12	65	145	35	35	26	16
13	19	17	14	e12	9.8	13	78	137	34	41	26	16
14	18	17	14	e12	9.9	13	89	144	32	36	26	15
15	18	16	13	e13	10	12	95	167	31	34	26	15
16	17	17	14	e13	11	12	96	182	31	36	26	14
17	17	16	14	e13	10	12	101	170	35	33	28	14
18	17	16	e15	e12	10	13	114	158	34	32	27	14
19	17	16	e14	e12	10	12	101	141	31	32	25	15
20	16	15	e12	e12	10	14	88	134	31	33	24	15
21	16	16	e11	e11	11	14	89	146	30	31	24	14
22	16	16	e10	e11	12	13	96	142	30	29	28	14
23	16	15	e9.0	e12	11	13	90	129	29	28	25	14
24	17	15	e11	e12	11	13	90	108	29	28	23	14
25	16	15	e11	e12	11	13	100	93	28	28	22	15
26	16	15	e12	e12	12	13	116	84	42	28	23	15
27	18	15	e12	e12	12	14	141	89	41	27	23	15
28	15	15	e11	e13	13	14	165	79	36	27	23	14
29	16	16	e11	e12	14	14	176	66	34	27	23	14
30	17	15	e10	e12	---	13	187	58	32	29	22	14
31	17	---	e11	e12	---	13	---	53	---	29	21	---
TOTAL	552	485	404.0	383	307.4	400	2390	4373	1081	975	795	492
MEAN	17.8	16.2	13.0	12.4	10.6	12.9	79.7	141	36.0	31.5	25.6	16.4
MAX	22	19	16	14	14	14	187	195	50	41	28	23
MIN	15	15	9.0	11	7.6	12	14	53	28	27	21	14
AC-FT	1090	962	801	760	610	793	4740	8670	2140	1930	1580	976

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

MEAN	22.3	18.6	16.4	15.3	14.6	15.6	48.4	141	111	47.9	34.0	24.8
MAX	38.2	29.3	25.4	22.4	21.4	24.4	88.9	209	314	126	51.2	32.6
(WY)	1987	1987	1984	1984	1987	1986	1985	1985	1983	1983	1983	1986
MIN	13.5	12.4	10.8	10.3	10.6	10.8	17.7	50.8	26.8	25.9	20.3	15.7
(WY)	1990	1991	1991	1991	1992	1982	1982	1989	1989	1989	1989	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	13823.3		12637.4			
ANNUAL MEAN	37.9		34.5		42.5	
HIGHEST ANNUAL MEAN					64.5	1983
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	219	May 24	195	May 2	336	Jun 24 1983
LOWEST DAILY MEAN	9.0	Dec 23	7.6	Feb 10	7.6	Feb 10 1992
ANNUAL SEVEN-DAY MINIMUM	9.6	Jan 1	8.8	Feb 7	8.8	Feb 7 1992
ANNUAL RUNOFF (AC-FT)	27420		25070		30820	
10 PERCENT EXCEEDS	94		94		95	
50 PERCENT EXCEEDS	18		17		22	
90 PERCENT EXCEEDS	11		12		12	

e Estimated

09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in NE¼NW¼NE¼ sec. 12, T. 3 S., R. 20 E., Uintah County, Hydrologic Unit 14060002, on right bank 0.8 mi upstream from head of Utah Power & Light Co.'s canal, 4.5 mi upstream from Dry Fork, and 10 mi northwest of Vernal.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--October 1911 to April 1912, August to December 1912, October 1913 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 6,230.61 ft above NGVD of 1929. Prior to Nov. 14, 1917, non-recording and water-stage recorder at several sites within 1.5 mi of present site at various datums. Nov. 14, 1917 to July 30, 1968, water-stage recorder at site 75 ft downstream at various datums.

REMARKS.--No estimated daily discharges. Records good. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline, capacity, approximately 11 ft³/s, diverts water from tributary spring about 1,000 ft above station (diversion began Aug. 1, 1941); at times, part of this flow is returned to Ashley Creek 2.5 mi below station. Prior to September 1961, pipeline capacity was approximately 5 ft³/s and the return flow entered Ashley Creek 0.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,500 ft³/s June 11, 1965, gage height, 4.42 ft, datum then in use from rating table extended above 1,060 ft³/s; maximum gage height, 6.09 ft June 16, 1929, datum then in use; minimum, 3.2 ft³/s Mar. 16, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 30	2100	*761	*3.52	No other peak greater than base discharge.			

Minimum daily discharge, 5.7 ft³/s, Feb. 12-14, Mar. 11.

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	71	36	20	9.3	7.7	6.4	7.4	528	174	101	77	66
2	67	35	18	9.4	7.9	6.3	7.3	414	158	106	74	66
3	63	32	19	9.0	7.2	6.2	7.6	334	152	107	76	64
4	62	28	19	8.7	6.9	6.3	6.9	335	145	102	76	65
5	61	31	20	9.5	6.8	6.5	9.0	339	135	99	72	82
6	60	34	19	21	6.5	6.5	10	312	126	94	72	74
7	59	35	17	27	5.8	6.2	10	308	129	100	68	69
8	58	33	17	20	6.3	6.3	11	384	151	104	70	66
9	55	33	17	28	6.3	6.2	10	383	130	94	70	56
10	54	33	16	13	5.9	6.0	13	324	124	83	68	33
11	52	34	16	13	6.0	5.7	16	302	122	71	66	31
12	52	31	15	12	5.7	6.1	20	276	108	79	61	41
13	50	31	15	12	5.7	6.2	35	361	94	85	61	41
14	48	29	14	11	5.7	6.4	47	372	91	75	60	41
15	45	28	14	11	6.0	6.7	64	356	93	89	57	38
16	44	28	13	20	6.0	6.4	71	307	97	148	56	38
17	41	27	13	12	6.0	6.7	78	276	98	105	68	38
18	40	27	13	11	19	6.6	94	259	91	86	75	39
19	39	25	13	10	24	6.9	90	269	83	86	66	38
20	37	22	13	12	7.9	6.7	83	360	95	87	60	37
21	34	24	13	10	7.1	6.6	86	334	116	79	61	36
22	30	23	12	12	7.0	6.1	101	290	115	70	58	40
23	30	19	12	11	7.0	6.4	102	247	113	65	83	45
24	31	18	12	9.4	20	6.5	101	223	115	65	85	53
25	31	21	12	8.7	15	6.3	123	227	116	63	78	46
26	30	21	11	8.5	6.8	6.7	189	243	158	69	74	40
27	36	22	11	8.4	6.8	6.7	278	281	153	60	72	39
28	32	22	11	8.4	6.7	6.9	398	207	129	63	69	40
29	30	21	10	8.3	6.7	6.4	502	207	119	71	66	39
30	36	20	9.7	7.9	---	6.4	569	201	107	80	64	40
31	37	---	9.4	7.7	---	7.5	---	184	---	79	65	---
TOTAL	1415	823	444.1	379.2	242.4	199.8	3139.2	9443	3637	2665	2128	1441
MEAN	45.6	27.4	14.3	12.2	8.36	6.45	105	305	121	86.0	68.6	48.0
MAX	71	36	20	28	24	7.5	569	528	174	148	85	82
MIN	30	18	9.4	7.7	5.7	5.7	6.9	184	83	60	56	31
AC-FT	2810	1630	881	752	481	396	6230	18730	7210	5290	4220	2860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1992, BY WATER YEAR (WY)

MEAN	52.8	37.9	28.5	24.0	21.3	20.2	48.3	336	318	126	84.2	67.3
MAX	154	104	64.2	45.0	40.0	36.2	162	739	1051	360	161	230
(WY)	1942	1942	1942	1928	1928	1922	1962	1986	1983	1975	1952	1927
MIN	6.91	5.57	7.74	5.12	4.60	4.54	6.22	71.7	59.1	39.2	16.0	7.81
(WY)	1990	1990	1989	1977	1978	1978	1975	1977	1934	1977	1989	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1920 - 1992	
ANNUAL TOTAL	36814.8		25956.7			
ANNUAL MEAN	101		70.9		97.4	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	1000	May 22	569	Apr 30	1970	Jun 5 1968
LOWEST DAILY MEAN	5.3	May 5	5.7	Feb 12	3.5	Jan 3 1977
ANNUAL SEVEN-DAY MINIMUM	7.1	Jan 15	5.9	Feb 10	3.8	Dec 31 1976
ANNUAL RUNOFF (AC-FT)	73020		51490		70570	
10 PERCENT EXCEEDS	224		177		222	
50 PERCENT EXCEEDS	31		38		42	
90 PERCENT EXCEEDS	12		6.7		14	

09267500 MOSBY CANAL NEAR LAPOINT, UT

LOCATION.--Lat 40°36'30", long 109°53'00", in sec. 27, T. 2 S., R. 18 E., Uintah County, Hydrologic Unit 14060002, on left bank 4.5 mi southeast of Paradise Park Reservoir, 8 mi downstream from diversion from Dry Fork, and 16 mi northwest of Lapoint.

PERIOD OF RECORD.--July 1954 to current year. Seasonal records only since October 1984.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 9,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No flow is assumed November through April. Canal began diverting in 1942 or 1943 from Dry Fork for irrigation in Deep Creek basin. Since 1975 flow regulated by Julius Park Reservoir, capacity 200 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 41 ft^3/s June 5, 12, 1990; no flow for extended periods each year.

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	8.9	---	---	---	---	---	---	e2.3	28	21	12	27
2	1.8	---	---	---	---	---	---	e2.3	27	21	.04	25
3	1.5	---	---	---	---	---	---	e25	27	16	.00	23
4	---	---	---	---	---	---	---	e24	27	.17	.00	10
5	---	---	---	---	---	---	---	26	26	.11	.00	.06
6	---	---	---	---	---	---	---	26	26	.10	.00	.00
7	---	---	---	---	---	---	---	27	26	.14	.00	.00
8	---	---	---	---	---	---	---	27	26	.15	.00	.00
9	---	---	---	---	---	---	---	27	26	.13	11	.00
10	---	---	---	---	---	---	---	27	25	8.1	22	.00
11	---	---	---	---	---	---	---	27	25	29	26	.00
12	---	---	---	---	---	---	---	27	25	19	25	.00
13	---	---	---	---	---	---	---	26	25	16	25	.00
14	---	---	---	---	---	---	---	26	24	20	25	.00
15	---	---	---	---	---	---	---	26	24	20	23	.00
16	---	---	---	---	---	---	---	27	24	20	22	.00
17	---	---	---	---	---	---	---	26	24	20	11	10
18	---	---	---	---	---	---	---	26	23	20	.02	31
19	---	---	---	---	---	---	---	28	23	20	.00	29
20	---	---	---	---	---	---	---	28	22	20	.00	28
21	---	---	---	---	---	---	---	27	24	20	.00	27
22	---	---	---	---	---	---	---	26	26	20	.00	27
23	---	---	---	---	---	---	---	24	24	19	.00	15
24	---	---	---	---	---	---	---	23	25	19	.00	.05
25	---	---	---	---	---	---	---	22	25	19	.00	.00
26	---	---	---	---	---	---	---	25	24	18	.00	.00
27	---	---	---	---	---	---	---	32	24	18	14	.00
28	---	---	---	---	---	---	---	30	23	17	24	.00
29	---	---	---	---	---	---	---	29	22	17	25	.00
30	---	---	---	---	---	---	---	28	22	17	27	.00
31	---	---	---	---	---	---	---	28	---	16	26	---
TOTAL	---	---	---	---	---	---	---	774.6	742	470.90	318.06	252.11
MEAN	---	---	---	---	---	---	---	25.0	24.7	15.2	10.3	8.40
MAX	---	---	---	---	---	---	---	32	28	29	27	31
MIN	---	---	---	---	---	---	---	2.3	22	.10	.00	.00
AC-FT	---	---	---	---	---	---	---	1540	1470	934	631	500

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

LOCATION.--Lat 40°21'29", long 109°23'13", in NW¼SE¼NE¼ sec. 25, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank about 0.5 mi below Union Canal diversion at County road bridge, 1.7 mi above mouth and 2.5 mi southwest of Jensen.

DRAINAGE AREA.--389 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82 ft³/s Aug. 22, 1992, gage height, 2.36 ft; minimum daily discharge, 0.24 ft³/s Sept. 1, 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 ft³/s Aug. 22, gage height, 2.36 ft; minumum daily discharge, 0.87 ft³/s July 31, Aug. 1, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.51	.24
2	---	---	---	---	---	---	---	---	---	---	.63	.40
3	---	---	---	---	---	---	---	---	---	---	.67	.37
4	---	---	---	---	---	---	---	---	---	---	.74	.24
5	---	---	---	---	---	---	---	---	---	---	.78	.32
6	---	---	---	---	---	---	---	---	---	---	.66	.86
7	---	---	---	---	---	---	---	---	---	---	.51	1.4
8	---	---	---	---	---	---	---	---	---	---	.68	4.9
9	---	---	---	---	---	---	---	---	---	2.1	1.2	32
10	---	---	---	---	---	---	---	---	---	2.3	1.2	30
11	---	---	---	---	---	---	---	---	---	3.6	.38	22
12	---	---	---	---	---	---	---	---	---	4.6	.38	16
13	---	---	---	---	---	---	---	---	---	6.0	.39	22
14	---	---	---	---	---	---	---	---	---	1.9	.34	26
15	---	---	---	---	---	---	---	---	---	1.7	.77	22
16	---	---	---	---	---	---	---	---	---	1.1	1.9	23
17	---	---	---	---	---	---	---	---	---	1.4	.89	17
18	---	---	---	---	---	---	---	---	---	2.0	.40	12
19	---	---	---	---	---	---	---	---	---	3.2	.38	8.2
20	---	---	---	---	---	---	---	---	---	3.8	.38	6.8
21	---	---	---	---	---	---	---	---	---	1.4	.33	6.5
22	---	---	---	---	---	---	---	---	---	1.2	.26	5.6
23	---	---	---	---	---	---	---	---	---	1.5	.27	6.5
24	---	---	---	---	---	---	---	---	---	.99	.55	6.9
25	---	---	---	---	---	---	---	---	---	.68	.32	6.9
26	---	---	---	---	---	---	---	---	---	.64	.29	7.0
27	---	---	---	---	---	---	---	---	---	.64	.39	7.6
28	---	---	---	---	---	---	---	---	---	.54	.42	7.0
29	---	---	---	---	---	---	---	---	---	.47	.42	12
30	---	---	---	---	---	---	---	---	---	.38	.48	16
31	---	---	---	---	---	---	---	---	---	.46	.39	---
TOTAL	---	---	---	---	---	---	---	---	---	---	17.91	327.73
MEAN	---	---	---	---	---	---	---	---	---	---	.58	10.9
MAX	---	---	---	---	---	---	---	---	---	---	1.9	32
MIN	---	---	---	---	---	---	---	---	---	---	.26	.24
AC-FT	---	---	---	---	---	---	---	---	---	---	36	650

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT--Continued

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	14	29	e24	e14	e15	27	2.4	1.5	6.9	1.6	.87	5.6
2	17	23	e25	e15	e15	26	2.4	2.7	5.8	1.6	1.0	4.3
3	15	20	e25	e16	e15	26	2.2	2.1	4.3	3.8	1.1	2.7
4	17	19	e26	e18	e16	26	2.4	3.8	5.2	2.5	.87	3.9
5	18	21	e27	e19	e16	26	2.6	2.5	5.5	1.1	.91	7.9
6	14	23	e28	e20	e17	26	2.0	2.9	4.3	1.1	1.0	5.5
7	15	23	e28	e21	e17	24	1.9	2.6	4.4	1.4	1.4	5.5
8	15	21	e28	e22	e19	27	1.8	4.9	3.8	7.8	1.9	5.7
9	15	22	e29	e20	e18	32	1.7	6.9	3.4	9.7	2.6	6.4
10	17	21	e29	e21	e19	32	1.7	8.1	3.2	11	2.3	5.5
11	17	20	e26	e19	e19	27	1.7	8.4	4.3	11	2.1	5.7
12	15	21	e25	e18	e20	25	1.9	12	6.0	18	2.9	6.2
13	15	24	e26	e18	e20	24	1.5	14	4.9	15	3.2	5.1
14	12	24	e27	e19	e20	22	1.8	21	4.7	7.5	3.4	5.2
15	11	26	e17	e20	e21	22	2.0	14	5.0	7.8	4.2	5.4
16	11	25	e19	e19	e20	21	3.0	13	5.9	6.9	3.8	4.1
17	9.7	26	e21	e18	e21	21	3.2	13	6.0	7.8	2.8	7.8
18	9.9	27	e22	e17	e21	20	2.7	14	4.5	4.6	2.4	8.5
19	13	25	e20	e17	e21	19	3.0	5.8	4.2	2.0	3.8	9.5
20	13	22	e17	e16	e21	19	2.7	5.7	4.0	1.7	3.5	10
21	14	18	e14	e15	e21	19	2.8	11	1.5	2.2	4.6	7.2
22	13	18	e12	e16	e22	20	3.1	14	1.3	4.0	11	5.9
23	15	16	e11	e16	e23	19	3.3	14	1.3	6.3	29	5.2
24	20	15	e12	e15	e21	22	3.2	13	2.2	10	15	5.4
25	21	17	e14	e14	e19	20	2.9	13	2.0	11	8.4	5.0
26	23	19	e16	e14	e22	19	2.2	15	6.4	10	8.6	4.8
27	24	23	e15	e15	e23	18	2.5	21	13	7.6	11	3.7
28	38	23	e14	e15	24	17	3.3	18	10	2.9	11	5.1
29	34	24	e14	e14	26	10	3.0	14	7.3	2.1	7.1	5.4
30	27	e24	e13	e14	---	3.2	2.0	10	2.8	1.2	5.6	3.4
31	30	---	e13	e15	---	2.8	---	7.2	---	.87	5.9	---
TOTAL	542.6	659	637	530	572	662.0	72.9	309.1	144.1	182.07	163.25	171.6
MEAN	17.5	22.0	20.5	17.1	19.7	21.4	2.43	9.97	4.80	5.87	5.27	5.72
MAX	38	29	29	22	26	32	3.3	21	13	18	29	10
MIN	9.7	15	11	14	15	2.8	1.5	1.5	1.3	.87	.87	2.7
AC-FT	1080	1310	1260	1050	1130	1310	145	613	286	361	324	340

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

MEAN	17.5	22.0	20.5	17.1	19.7	21.4	2.43	9.97	4.80	5.87	5.27	5.72
MAX	17.5	22.0	20.5	17.1	19.7	21.4	2.43	9.97	4.80	5.87	5.27	5.72
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992
MIN	17.5	22.0	20.5	17.1	19.7	21.4	2.43	9.97	4.80	5.87	5.27	5.72
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS FOR 1992 WATER YEAR

ANNUAL TOTAL	4645.62	
ANNUAL MEAN	12.7	
HIGHEST DAILY MEAN	38	Oct 28
LOWEST DAILY MEAN	.87	Jul 31
ANNUAL SEVEN-DAY MINIMUM	.95	Jul 31
ANNUAL RUNOFF (AC-FT)	9210	
10 PERCENT EXCEEDS	24	
50 PERCENT EXCEEDS	13	
90 PERCENT EXCEEDS	2.2	

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT--Continued
WATER QUALITY RECORDS

PERIOD OF RECORD.--November 1991 to August 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)
NOV 05...	1400	23	2310	8.2	--	5.0	--	--
FEB 05...	1515	14	2490	7.8	1.0	.0	14.5	640
MAY 06...	1645	3.3	2860	8.1	--	23.0	--	--
JUN 03...	1710	4.7	2630	8.2	--	27.0	--	--
AUG 07...	1000	1.0	3550	7.8	--	21.0	--	--

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
NOV 05...	1400	39
FEB 05...	1515	74
MAY 06...	1645	160
JUN 03...	1710	41
AUG 07...	1000	29

09271600 STEWART LAKE OUTFLOW NEAR JENSEN, UT

LOCATION.--Lat 40°20'46", long 109°21'45", in NW¼NW¼NW¼ sec. 32, T. 5 S., R. 23 E., Uintah County, Hydrologic Unit 14060003, on right bank, about 2 mi southwest of Jensen.

PERIOD OF RECORD.--August 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 4,720 ft from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17 ft³/s May 12, 1992, gage height, 3.20 ft; minimum daily discharge, 0.15 ft³/s Apr. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17 ft³/s May 12, gage height, 3.20 ft; minimum daily discharge, 0.15 ft³/s Apr. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	2.9
2	---	---	---	---	---	---	---	---	---	---	---	3.1
3	---	---	---	---	---	---	---	---	---	---	---	3.2
4	---	---	---	---	---	---	---	---	---	---	---	3.3
5	---	---	---	---	---	---	---	---	---	---	---	3.3
6	---	---	---	---	---	---	---	---	---	---	---	3.4
7	---	---	---	---	---	---	---	---	---	---	---	3.8
8	---	---	---	---	---	---	---	---	---	---	---	4.1
9	---	---	---	---	---	---	---	---	---	---	---	4.3
10	---	---	---	---	---	---	---	---	---	---	---	4.0
11	---	---	---	---	---	---	---	---	---	---	---	3.9
12	---	---	---	---	---	---	---	---	---	---	---	4.1
13	---	---	---	---	---	---	---	---	---	---	---	4.1
14	---	---	---	---	---	---	---	---	---	---	---	3.7
15	---	---	---	---	---	---	---	---	---	---	e4.5	3.6
16	---	---	---	---	---	---	---	---	---	---	4.5	3.3
17	---	---	---	---	---	---	---	---	---	---	4.3	3.0
18	---	---	---	---	---	---	---	---	---	---	4.1	2.6
19	---	---	---	---	---	---	---	---	---	---	4.0	2.2
20	---	---	---	---	---	---	---	---	---	---	3.7	2.0
21	---	---	---	---	---	---	---	---	---	---	3.5	1.6
22	---	---	---	---	---	---	---	---	---	---	3.2	1.6
23	---	---	---	---	---	---	---	---	---	---	3.2	1.8
24	---	---	---	---	---	---	---	---	---	---	3.3	1.8
25	---	---	---	---	---	---	---	---	---	---	3.1	1.7
26	---	---	---	---	---	---	---	---	---	---	3.2	1.9
27	---	---	---	---	---	---	---	---	---	---	3.4	2.0
28	---	---	---	---	---	---	---	---	---	---	3.6	2.1
29	---	---	---	---	---	---	---	---	---	---	3.5	2.4
30	---	---	---	---	---	---	---	---	---	---	3.3	2.5
31	---	---	---	---	---	---	---	---	---	---	3.1	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	87.3
MEAN	---	---	---	---	---	---	---	---	---	---	---	2.91
MAX	---	---	---	---	---	---	---	---	---	---	---	4.3
MIN	---	---	---	---	---	---	---	---	---	---	---	1.6
AC-FT	---	---	---	---	---	---	---	---	---	---	---	173

e Estimated

09271600 STEWART LAKE OUTFLOW NEAR JENSEN, UT--Continued

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	2.6	5.3	e1.2	e1.3	e1.2	e2.8	1.5	.18	5.4	3.5	2.3	4.4
2	2.7	5.1	e1.2	e1.3	e1.2	e2.8	1.2	.35	4.7	3.9	2.3	4.5
3	2.6	4.9	e1.3	e1.3	e1.2	e3.0	1.1	.35	4.5	3.9	2.5	4.3
4	3.0	4.8	e1.3	e1.3	e1.2	e2.8	1.1	.35	3.8	3.5	2.6	3.9
5	3.0	4.6	e1.3	e1.4	e1.2	2.7	.86	.41	3.4	3.3	2.6	4.0
6	3.2	4.6	e1.3	e1.4	e1.3	2.6	.72	.41	3.6	3.4	2.5	e3.9
7	3.5	4.5	e1.3	e1.4	e1.3	2.5	.70	2.2	4.1	4.1	2.4	e3.8
8	3.8	4.5	e1.3	e1.4	e1.3	2.7	.63	2.0	4.3	6.1	2.3	e3.7
9	4.1	4.7	e1.3	e1.3	e1.3	3.1	.62	2.8	4.4	6.4	2.4	e3.6
10	4.3	4.8	e1.4	e1.3	e1.3	2.7	.47	4.1	4.3	5.8	2.6	e3.4
11	4.4	4.9	e1.4	e1.3	e1.3	2.5	.60	7.5	3.8	5.3	2.6	e3.3
12	5.0	4.9	e1.4	e1.3	e1.3	2.3	.61	15	3.8	7.0	2.6	e3.2
13	5.5	2.8	e1.4	e1.3	e1.3	2.2	.58	7.7	3.7	8.1	2.6	e3.1
14	5.7	.71	e1.4	e1.3	e1.4	2.1	.58	5.5	3.9	8.0	2.8	e3.0
15	6.0	.84	e1.3	e1.2	e1.6	1.9	.60	4.6	3.4	7.8	3.1	e2.9
16	6.2	.75	e1.3	e1.2	e1.5	1.8	.56	5.0	4.0	7.9	3.4	e2.8
17	6.3	.82	e1.3	e1.2	e1.6	1.6	.50	5.1	4.0	7.8	3.6	e2.9
18	6.7	.90	e1.4	e1.2	e1.6	1.8	.71	5.0	4.3	7.1	3.6	e2.7
19	6.8	.89	e1.4	e1.2	e1.5	1.8	.75	5.1	3.7	5.9	3.3	e2.6
20	6.9	.89	e1.3	e1.2	e1.8	1.6	.40	5.3	3.3	5.1	3.1	e2.5
21	7.0	.97	e1.2	e1.2	e2.2	1.5	.35	5.2	3.1	4.4	2.8	e2.5
22	6.9	.94	e1.1	e1.1	e2.5	1.4	.26	5.3	3.0	3.9	2.7	e2.6
23	6.5	.87	e1.1	e1.1	e2.7	1.3	.22	5.4	3.1	3.9	3.7	e2.7
24	6.5	.92	e1.2	e1.1	e2.8	1.6	.28	5.7	3.0	3.6	4.0	e2.7
25	6.3	.88	e1.2	e1.1	e2.8	1.6	.26	5.8	3.1	3.8	3.7	e2.9
26	6.1	.93	e1.2	e1.1	e2.8	1.6	.24	6.1	3.6	3.9	3.4	e2.7
27	6.0	e.98	e1.3	e1.1	e2.8	1.5	.17	7.0	3.9	4.0	3.3	e2.7
28	6.4	e1.1	e1.2	e1.1	e2.7	1.6	.18	7.3	3.9	3.8	3.3	e2.7
29	6.1	e1.1	e1.2	e1.2	e2.8	1.6	.21	7.1	3.1	3.2	3.4	e2.6
30	5.9	e1.2	e1.2	e1.2	---	1.5	.15	6.7	3.3	3.3	3.6	e2.6
31	5.6	---	e1.2	e1.2	---	1.8	---	5.9	---	2.6	3.8	---
TOTAL	161.6	76.09	39.6	38.3	51.5	64.3	17.11	146.45	113.5	154.3	92.9	95.2
MEAN	5.21	2.54	1.28	1.24	1.78	2.07	.57	4.72	3.78	4.98	3.00	3.17
MAX	7.0	5.3	1.4	1.4	2.8	3.1	1.5	15	5.4	8.1	4.0	4.5
MIN	2.6	.71	1.1	1.1	1.2	1.3	.15	.18	3.0	2.6	2.3	2.5
AC-FT	321	151	79	76	102	128	34	290	225	306	184	189

WTR YR 1992 TOTAL 1050.85 MEAN 2.87 MAX 15 MIN .15 AC-FT 2080

e Estimated

09274900 WEST FORK DUCHESNE RIVER BELOW VAT DIVERSION NEAR HANNA, UT

LOCATION.--Lat 40°27'01", long 111°00'13", in SE¼NW¼SE¼ sec. 27, T. 1 N., R. 10 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060003, on right bank 180 ft below Vat diversion, approximately 15 mi northwest of Hanna.

DRAINAGE AREA.--37.0 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow is regulated by the Vat Tunnel diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 215 ft³/s May 27, 1991, gage height, 2.73 ft; minumum daily discharge, 2.9 ft³/s Aug. 28, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77 ft³/s May 5, gage height, 2.15 ft; minimum daily discharge, 2.9 ft³/s Aug. 28.

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	9.1	4.6	e5.6	11	6.4	8.7	8.3	9.6	15	6.9	7.0	3.2
2	8.7	6.6	e7.4	e10	7.7	11	9.7	10	16	10	6.6	3.5
3	8.5	5.9	e8.0	e9.0	6.8	7.2	11	15	16	11	6.6	3.7
4	8.1	6.1	e8.2	e10	7.6	7.0	13	45	15	10	6.6	4.5
5	8.0	8.0	e8.4	11	7.2	7.6	14	58	16	9.8	6.6	5.7
6	8.3	13	e8.7	10	6.7	5.7	13	61	16	9.7	7.7	5.6
7	8.6	12	e9.0	10	7.7	6.0	11	49	16	9.4	7.6	5.6
8	9.0	9.2	11	8.5	7.8	6.4	11	45	15	10	7.3	5.3
9	8.6	9.1	11	10	8.1	5.8	11	38	15	9.8	6.6	5.3
10	8.6	10	e9.8	9.7	7.9	6.1	11	33	16	9.2	6.2	5.6
11	8.9	9.1	e9.6	e9.5	8.5	7.0	11	36	15	9.1	6.2	5.4
12	8.5	7.5	e10	e9.2	7.9	5.4	10	47	15	13	5.9	5.3
13	8.6	7.9	e9.6	e9.9	8.9	5.9	10	52	15	12	5.9	5.3
14	8.5	8.6	e9.0	e11	8.0	5.9	10	53	15	11	5.8	5.3
15	8.5	9.3	e8.6	e11	7.8	5.9	10	52	12	10	5.8	5.2
16	8.9	8.0	e8.7	e10	9.6	5.9	10	52	11	9.7	6.3	5.6
17	9.0	6.2	e8.7	8.8	6.7	5.8	10	51	10	9.2	6.3	5.8
18	8.9	7.3	e8.7	8.9	6.8	5.8	9.5	56	10	9.3	5.9	5.6
19	8.5	6.5	e8.8	e8.7	7.3	5.8	9.5	61	8.9	9.5	5.8	5.8
20	8.9	8.2	9.0	e8.0	8.2	5.8	9.5	61	8.3	9.0	5.5	5.8
21	9.0	9.3	8.6	e8.4	7.6	5.8	9.5	65	8.1	8.7	5.4	6.0
22	9.1	9.4	e8.2	e8.9	7.5	5.7	9.8	63	8.2	8.3	5.6	5.8
23	9.8	17	e7.8	e9.5	8.7	5.4	9.5	55	7.4	8.2	6.4	5.8
24	9.4	28	e9.0	9.6	7.9	5.4	9.6	52	7.0	8.2	5.9	6.4
25	9.4	14	e10	8.9	7.7	5.4	9.7	52	7.2	7.9	5.5	6.3
26	10	9.1	e11	8.3	8.6	5.4	9.8	47	8.3	9.0	4.5	5.9
27	10	8.5	12	8.5	8.5	5.4	10	43	10	7.9	3.2	5.4
28	8.4	e8.2	11	8.2	8.4	5.5	10	43	8.2	7.6	2.9	5.5
29	9.5	e7.8	11	8.8	9.3	5.8	9.8	26	7.3	7.1	3.2	5.6
30	9.3	e6.0	12	8.8	---	5.8	9.8	16	6.8	6.6	3.1	6.2
31	5.0	---	9.9	6.6	---	5.8	---	15	---	6.6	3.1	---
TOTAL	271.6	280.4	288.3	288.7	227.8	192.1	310.0	1361.6	354.7	283.7	177.0	162.0
MEAN	8.76	9.35	9.30	9.31	7.86	6.20	10.3	43.9	11.8	9.15	5.71	5.40
MAX	10	28	12	11	9.6	11	14	65	16	13	7.7	6.4
MIN	5.0	4.6	5.6	6.6	6.4	5.4	8.3	9.6	6.8	6.6	2.9	3.2
AC-FT	539	556	572	573	452	381	615	2700	704	563	351	321

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	6.74	7.06	7.31	6.95	6.66	6.46	12.2	28.4	16.7	14.9	9.55	8.06
MAX	8.76	9.35	9.30	9.31	7.86	7.34	14.3	43.9	24.2	22.8	13.0	10.5
(WY)	1992	1992	1992	1992	1992	1990	1990	1992	1991	1991	1991	1991
MIN	5.37	5.01	5.57	5.68	5.63	5.85	10.3	16.7	11.8	9.15	5.71	5.40
(WY)	1991	1990	1990	1990	1991	1991	1992	1990	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	4631.6		4197.9			
ANNUAL MEAN	12.7		11.5		10.9	
HIGHEST ANNUAL MEAN					12.0	1991
LOWEST ANNUAL MEAN					9.36	1990
HIGHEST DAILY MEAN	85	May 26	65	May 21	85	May 26 1991
LOWEST DAILY MEAN	3.9	Jun 23	2.9	Aug 28	2.9	Aug 28 1992
ANNUAL SEVEN-DAY MINIMUM	5.3	Feb 17	3.2	Aug 27	3.2	Aug 27 1992
ANNUAL RUNOFF (AC-FT)	9190		8330		7930	
10 PERCENT EXCEEDS	22		15		16	
50 PERCENT EXCEEDS	9.6		8.6		8.5	
90 PERCENT EXCEEDS	5.7		5.6		5.4	

e Estimated

09275500 WEST FORK DUCHESNE RIVER NEAR HANNA, UT

LOCATION.--Lat 40°27'01", long 110°53'01", in SE¼NE¼SE¼ sec. 27, T. 1 N., R. 9 W., Uinta Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 1,500 ft upstream from Wolf Creek, and 7.1 mi northwest of Hanna.

DRAINAGE AREA.--61.6 mi².

PERIOD OF RECORD.--May to October 1904 (gage heights only, fragmentary), August 1921 to March 1922, October 1922 to September 1923, October 1945 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,218 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1923, nonrecording gages at approximately same site at different datums. Oct. 1, 1923 to Sept. 3, 1986 at datum 1.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. One small diversion for irrigation of about 100 acres above station. On March 27, 1986, the U.S. Bureau of Reclamation began diverting water from the West Fork into the Strawberry Aqueduct for transmountain diversion to Strawberry Reservoir. The diversion gates are located 8 mi above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 758 ft³/s June 5, 1967, maximum gage height, 4.40 ft June 4, 1952, datum then in use; minimum discharge recorded, 0.19 ft³/s Mar. 29, 1975, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 73 ft³/s May 6; minimum daily discharge, 5.7 ft³/s Aug. 28.

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	14	8.7	e14	12	9.7	11	15	18	19	11	15	6.7
2	14	8.7	e15	12	9.9	11	17	18	18	13	16	5.9
3	13	15	e16	e11	9.8	12	19	18	18	15	15	5.9
4	14	10	e17	e12	9.5	12	20	54	17	14	15	6.6
5	14	11	16	e11	9.4	12	23	71	17	14	16	8.3
6	13	18	15	e11	9.4	12	22	73	18	14	16	8.2
7	14	19	15	11	9.7	12	18	60	18	18	13	8.1
8	14	15	13	e10	9.9	12	18	50	18	16	12	7.8
9	13	15	e13	e10	9.7	11	19	47	16	14	10	7.5
10	13	15	e13	e9.3	9.7	13	19	40	17	13	9.4	7.6
11	14	14	e13	e9.5	9.6	13	19	39	17	12	9.1	7.8
12	13	12	14	e10	9.6	13	19	46	16	17	8.3	7.7
13	13	13	14	e11	9.8	14	19	60	15	17	8.0	8.0
14	13	15	e13	12	9.7	14	19	63	15	15	8.0	7.8
15	13	15	14	12	9.5	15	20	62	17	15	8.0	7.8
16	13	14	e13	11	e9.4	14	20	61	16	14	9.5	7.5
17	13	12	e13	11	e9.2	13	20	67	16	13	9.3	7.9
18	13	13	e11	11	e8.9	13	20	69	15	13	8.6	8.1
19	13	12	11	e9.5	e9.5	13	20	71	14	13	8.0	8.1
20	13	13	8.9	e8.4	10	13	19	70	13	12	7.5	8.1
21	14	e13	e8.6	e8.8	9.7	13	19	72	12	12	7.2	8.1
22	14	e12	8.6	e9.2	9.8	13	19	71	13	11	7.8	8.0
23	15	e12	9.4	e9.8	10	14	19	61	12	14	9.2	7.8
24	14	e14	e9.2	e10	e9.9	14	18	58	11	15	9.2	8.8
25	13	17	e9.0	e11	10	14	18	63	16	16	8.6	9.1
26	16	15	e8.8	12	e10	14	18	56	16	16	8.1	8.6
27	16	15	e9.0	11	e11	14	18	49	19	17	7.1	8.5
28	12	e14	e9.2	11	12	14	18	51	16	16	5.7	8.5
29	12	e13	e10	11	12	14	18	40	15	15	5.9	8.7
30	11	e13	e11	10	---	14	18	22	11	14	6.0	8.5
31	13	---	13	9.7	---	14	---	19	---	16	6.7	---
TOTAL	417	406.4	377.7	328.2	286.3	405	568	1619	471	445	303.2	236.0
MEAN	13.5	13.5	12.2	10.6	9.87	13.1	18.9	52.2	15.7	14.4	9.78	7.87
MAX	16	19	17	12	12	15	23	73	19	18	16	9.1
MIN	11	8.7	8.6	8.4	8.9	11	15	18	11	11	5.7	5.9
AC-FT	827	806	749	651	568	803	1130	3210	934	883	601	468

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1992, BY WATER YEAR (WY)

MEAN	14.2	13.0	11.7	10.8	10.5	12.9	28.0	43.4	29.1	19.5	13.8	12.2
MAX	29.1	20.8	16.5	13.8	12.5	15.4	39.9	61.9	35.4	28.1	17.8	15.1
(WY)	1987	1987	1987	1987	1987	1987	1987	1988	1987	1991	1991	1991
MIN	8.97	8.84	9.35	9.06	9.34	9.35	16.6	30.0	15.7	14.4	9.78	7.87
(WY)	1991	1990	1990	1991	1990	1991	1991	1990	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1992	
ANNUAL TOTAL	6548.9		5862.8			
ANNUAL MEAN	17.9		16.0		18.3	
HIGHEST ANNUAL MEAN					23.3	1987
LOWEST ANNUAL MEAN					15.1	1990
HIGHEST DAILY MEAN	104	May 26	73	May 6	172	May 16 1988
LOWEST DAILY MEAN	7.5	Mar 23	5.7	Aug 28	5.7	Aug 28 1992
ANNUAL SEVEN-DAY MINIMUM	7.7	Mar 21	6.1	Aug 28	6.1	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	12990		11630		13250	
10 PERCENT EXCEEDS	29		19		34	
50 PERCENT EXCEEDS	14		13		14	
90 PERCENT EXCEEDS	8.9		8.3		9.2	

e Estimated

09276600 WEST FORK DUCHESNE RIVER ABOVE NORTH FORK, NEAR HANNA, UT

LOCATION.--Lat 40°27'42", long 110°50'10", in SE¼SE¼SW¼ sec. 19, T. 1 N., R. 8 W., Uinta Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank .2 mi above confluence with North Fork of Duchesne River and 4.5 mi northwest of Hanna.

DRAINAGE AREA.--89.1 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Record good except for estimated daily discharges, which are poor. One small diversion for irrigation above station. Flow regulated by Vat diversion, 12 miles above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 358 ft³/s May 27, 1991, gage height, 3.54 ft; minimum daily discharge 6.8 ft³/s Aug. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74 ft³/s May 5, 6, gage height, 2.56 ft; minimum daily discharge 6.8 ft³/s Aug. 30.

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	17	19	e14	e12	e12	12	13	17	15	13	15	8.0
2	17	e18	e15	e14	e12	12	15	16	15	15	17	7.4
3	17	e18	e15	e13	e11	12	17	15	15	16	18	7.3
4	16	e19	e16	e12	e10	13	18	46	14	16	17	7.7
5	16	e21	e17	e12	e11	13	21	59	14	15	18	9.3
6	19	22	e17	e12	e11	12	21	67	15	14	19	9.7
7	18	22	e18	e12	e11	12	18	54	15	19	13	9.5
8	17	18	18	e13	12	11	17	43	16	17	12	9.3
9	17	16	e17	e12	12	11	18	42	15	16	11	8.7
10	18	17	e16	e10	12	11	16	35	15	15	11	8.5
11	18	17	e16	e11	12	12	18	34	15	15	11	9.2
12	17	16	17	e12	12	12	20	39	15	19	10	9.3
13	18	15	17	e13	12	12	18	51	14	19	9.6	9.1
14	18	17	e16	e14	12	12	18	51	14	17	10	8.8
15	18	17	e15	e14	11	12	18	51	15	16	9.7	8.6
16	19	16	e15	e13	11	12	18	51	15	16	11	8.3
17	19	15	e14	e13	11	11	18	51	16	15	11	8.8
18	18	16	e13	e12	e10	11	18	52	18	15	10	9.3
19	19	e15	e14	e11	e10	11	17	62	17	15	9.7	9.6
20	19	e15	13	e10	12	11	15	64	16	14	9.3	9.1
21	19	e15	e13	e12	11	11	17	65	15	13	9.1	9.2
22	19	e14	e13	e15	11	11	17	64	15	12	9.8	9.2
23	22	e14	e12	17	10	11	16	55	14	13	11	8.9
24	20	e17	e12	17	14	11	15	51	14	15	11	9.5
25	19	21	e12	15	12	11	15	52	17	16	10	10
26	21	18	e12	14	13	11	15	47	18	17	9.7	9.8
27	24	17	e13	14	14	11	15	42	19	17	9.0	9.7
28	22	16	e13	16	12	12	17	41	17	16	7.7	9.5
29	19	e15	e14	15	13	12	16	33	15	15	6.9	9.8
30	e18	e14	e13	e13	---	12	17	17	13	15	6.8	9.6
31	e18	---	e12	e11	---	12	---	15	---	16	7.9	---
TOTAL	576	510	452	404	337	360	512	1382	461	482	351.2	270.7
MEAN	18.6	17.0	14.6	13.0	11.6	11.6	17.1	44.6	15.4	15.5	11.3	9.02
MAX	24	22	18	17	14	13	21	67	19	19	19	10
MIN	16	14	12	10	10	11	13	15	13	12	6.8	7.3
AC-FT	1140	1010	897	801	668	714	1020	2740	914	956	697	537

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	14.3	14.5	13.9	12.3	11.9	13.7	22.0	41.7	30.5	24.6	15.9	12.4
MAX	18.6	17.0	15.0	13.0	13.7	14.9	27.3	49.2	50.7	38.5	20.1	15.0
(WY)	1992	1992	1991	1992	1991	1991	1990	1991	1991	1991	1991	1991
MIN	11.5	11.3	12.0	11.4	10.4	11.6	17.1	31.3	15.4	15.5	11.3	9.02
(WY)	1991	1990	1990	1990	1990	1992	1992	1990	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	8732		6097.9			
ANNUAL MEAN	23.9		16.7		19.0	
HIGHEST ANNUAL MEAN					23.2	1991
LOWEST ANNUAL MEAN					16.7	1992
HIGHEST DAILY MEAN	216	May 27	67	May 6	216	May 27 1991
LOWEST DAILY MEAN	11	Jan 12	6.8	Aug 30	6.8	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	12	Jan 10	7.4	Aug 28	7.4	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	17320		12100		13770	
10 PERCENT EXCEEDS	41		20		30	
50 PERCENT EXCEEDS	17		15		15	
90 PERCENT EXCEEDS	13		9.7		11	

e Estimated

09277500 DUCHESNE RIVER NEAR TABIONA, UT

LOCATION (REVISED).--Lat 40°18'01", long 110°36'06", in SE¼SW¼SE¼ sec. 18, T. 2 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank on upstream side of bridge on State Highway 35, 6 mi upstream from Rock Creek, and 7 mi southeast of Tabiona.

DRAINAGE AREA.--356 mi².

PERIOD OF RECORD.--October 1918 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,190 ft above NGVD of 1929, from topographic map. Prior to Oct. 15, 1934, nonrecording gage, and Oct. 16, 1934 to Nov. 6, 1953, water-stage recorder at site 0.5 mi upstream at various datums. Nov. 7, 1953 to Nov. 7, 1972, at site 1 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several diversions above station for irrigation, including a transmountain diversion through Duchesne Tunnel 20 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,260 ft³/s June 16, 1963, gage height, 7.97 ft from floodmarks, caused by failure of Little Deer Creek Dam 20 mi upstream. Rating curve extended above 400 ft³/s on basis of slope-area measurement and area-velocity study of peak flow; minimum discharge, 18 ft³/s June 5, 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft³/s, and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	1700	*160	*1.81				

Minimum discharge, 18 ft³/s June 5, 6.

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	78	113	80	e70	e69	e79	66	107	37	57	41	48
2	71	111	94	68	e69	e74	69	75	32	59	42	50
3	66	98	94	e68	e69	e73	71	47	26	56	44	50
4	68	116	91	71	e69	e72	73	50	23	54	45	53
5	72	110	88	70	e69	e72	74	73	21	54	43	54
6	77	105	87	70	e68	e73	73	79	32	56	48	54
7	77	114	91	70	e68	e74	73	77	63	57	48	56
8	81	108	91	e70	e71	e73	71	67	69	68	50	53
9	80	105	82	e70	e68	e74	70	68	69	60	46	47
10	79	104	84	e69	e68	e68	66	57	61	49	47	42
11	75	103	89	e70	e69	68	69	45	61	48	45	45
12	71	98	85	e68	e70	70	72	34	58	53	44	44
13	75	100	86	e70	e70	69	73	39	56	64	45	43
14	79	105	80	e70	e71	68	75	48	60	58	45	47
15	77	114	84	70	e72	69	76	51	64	51	51	49
16	76	109	84	73	e72	68	93	48	71	49	53	48
17	78	102	83	77	e70	67	90	46	68	47	54	51
18	80	108	84	72	e67	67	89	45	63	48	49	53
19	100	96	78	e66	e68	65	88	50	61	50	50	52
20	93	94	75	e60	e72	63	83	68	54	52	49	50
21	91	107	74	e64	e71	66	80	80	58	54	47	49
22	91	94	77	e66	e70	67	77	82	55	48	53	46
23	98	84	73	e68	e69	69	78	75	49	45	67	44
24	105	93	72	e72	e67	69	75	73	49	46	59	45
25	98	103	e72	e74	e74	65	73	80	61	55	56	45
26	104	104	e70	e70	e69	66	73	90	61	53	55	46
27	115	99	e70	e65	e76	67	81	87	68	50	54	50
28	111	96	e69	e66	e78	67	103	77	67	48	49	51
29	108	87	e68	e66	e77	66	119	72	64	48	44	53
30	112	93	e69	e67	---	67	127	53	59	46	42	53
31	107	---	e70	e69	---	67	---	38	---	43	46	---
TOTAL	2693	3073	2494	2139	2040	2142	2400	1981	1640	1626	1511	1471
MEAN	86.9	102	80.5	69.0	70.3	69.1	80.0	63.9	54.7	52.5	48.7	49.0
MAX	115	116	94	77	78	79	127	107	71	68	67	56
MIN	66	84	68	60	67	63	66	34	21	43	41	42
AC-FT	5340	6100	4950	4240	4050	4250	4760	3930	3250	3230	3000	2920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1992, BY WATER YEAR (WY)

MEAN	117	121	109	96.7	93.9	100	156	501	628	203	110	108
MAX	230	180	151	147	124	153	348	1165	1657	690	216	233
(WY)	1983	1983	1984	1966	1986	1986	1943	1952	1921	1975	1983	1927
MIN	37.5	57.6	71.9	59.5	53.2	53.8	53.9	63.9	54.7	51.4	44.1	48.7
(WY)	1935	1935	1991	1935	1935	1935	1977	1992	1992	1988	1977	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1919 - 1992	
ANNUAL TOTAL	40503		25210			
ANNUAL MEAN	111		68.9		195	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	919	Jun 10	127	Apr 30	2490	Jun 13 1921
LOWEST DAILY MEAN	26	May 14	21	Jun 5	21	Jun 5 1992
ANNUAL SEVEN-DAY MINIMUM	50	May 11	30	May 31	30	May 31 1992
ANNUAL RUNOFF (AC-FT)	80340		50000		141500	
10 PERCENT EXCEEDS	127		97		407	
50 PERCENT EXCEEDS	79		69		110	
90 PERCENT EXCEEDS	59		46		75	

e Estimated

09277800 ROCK CREEK ABOVE SOUTH FORK, NEAR HANNA, UT

LOCATION.--Lat 40°33'27", long 110°41'50", in NW¼SE¼NE¼ sec. 20, T. 2 N., R. 7 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 500 ft downstream from upper Stillwater Dam, 0.9 mi upstream from South Fork, and 11.2 mi north of Hanna.

DRAINAGE AREA.--98.9 mi².

PERIOD OF RECORD.--October 1965 to March 1984, October 1988 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,967.7 ft above NGVD of 1929, (levels by Bureau of Reclamation). Prior to Nov. 21, 1988 at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Stillwater Dam since Nov. 3, 1987. Total capacity 32,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,760 ft³/s June 17, 1971, gage height, 4.95 ft; minimum measured, 6.9 ft³/s Dec. 23, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 65 ft³/s July 27, gage height, 2.08 ft; minimum daily, 9.6 ft³/s May 22.

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	10	17	e15	19	16	20	17	13	12	36	35	23
2	11	e16	16	19	16	20	17	13	13	36	34	23
3	11	e16	16	18	16	19	16	13	13	36	33	24
4	11	16	17	18	16	19	15	11	13	37	33	23
5	11	17	17	18	17	18	15	12	13	37	32	24
6	11	16	17	18	17	17	16	12	13	37	31	25
7	11	16	17	18	17	18	17	19	13	36	30	29
8	11	16	17	18	17	17	17	22	13	36	29	30
9	11	16	17	18	16	18	17	27	12	37	30	30
10	11	16	18	19	16	18	16	29	12	37	30	29
11	13	16	18	19	16	19	15	30	12	36	30	30
12	15	16	18	18	16	20	15	25	12	36	30	31
13	15	16	18	18	16	19	16	21	13	36	41	31
14	15	16	18	17	16	19	16	20	13	37	53	31
15	16	16	18	17	16	18	15	22	12	39	55	31
16	16	16	18	18	16	16	14	20	12	40	54	30
17	16	16	18	18	16	18	14	22	12	41	40	22
18	16	16	18	17	15	18	14	23	13	42	29	16
19	16	16	19	17	17	17	14	25	13	43	29	15
20	15	16	19	16	18	16	14	17	13	44	29	15
21	15	17	18	16	19	16	14	11	16	44	29	15
22	15	17	19	15	18	16	14	9.6	22	47	29	15
23	16	16	19	15	18	16	14	10	26	56	28	17
24	14	17	19	16	19	16	14	10	34	57	26	19
25	14	17	19	16	19	16	14	11	37	57	23	18
26	15	17	19	17	19	16	14	11	37	60	24	19
27	15	15	19	17	19	16	12	11	37	54	24	19
28	15	15	19	17	19	16	11	12	38	42	24	18
29	16	15	19	16	19	16	12	12	38	38	24	18
30	18	e15	18	16	---	16	13	12	37	38	24	18
31	18	---	19	16	---	16	---	12	---	38	24	---
TOTAL	433	483	556	535	495	540	442	517.6	574	1290	986	688
MEAN	14.0	16.1	17.9	17.3	17.1	17.4	14.7	16.7	19.1	41.6	31.8	22.9
MAX	18	17	19	19	19	20	17	30	38	60	55	31
MIN	10	15	15	15	15	16	11	9.6	12	36	23	15
AC-FT	859	958	1100	1060	982	1070	877	1030	1140	2560	1960	1360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1983, BY WATER YEAR (WY)

MEAN	47.7	35.9	28.5	24.1	21.5	21.4	43.5	340	730	245	83.9	56.5
MAX	149	88.1	50.8	40.7	37.4	37.4	71.4	741	1208	667	160	124
(WY)	1983	1983	1983	1983	1983	1983	1966	1969	1983	1975	1968	1982
MIN	25.8	18.6	10.2	8.08	8.40	9.00	21.5	99.2	264	71.3	43.5	33.3
(WY)	1979	1977	1977	1977	1977	1977	1975	1977	1966	1977	1981	1979

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966 - 1983	
ANNUAL TOTAL	7756.9		7539.6			
ANNUAL MEAN	21.3		20.6		140	
HIGHEST ANNUAL MEAN					215	1983
LOWEST ANNUAL MEAN					55.2	1977
HIGHEST DAILY MEAN	383	Jun 14	60	Jul 26	2080	Jun 19 1983
LOWEST DAILY MEAN	9.9	Sep 30	9.6	May 22	7.0	Dec 22 1976
ANNUAL SEVEN-DAY MINIMUM	10	Jan 5	11	May 21	7.0	Dec 22 1976
ANNUAL RUNOFF (AC-FT)	15390		14950		101400	
10 PERCENT EXCEEDS	18		36		427	
50 PERCENT EXCEEDS	15		17		40	
90 PERCENT EXCEEDS	11		13		19	

e Estimated

09278000 SOUTH FORK ROCK CREEK NEAR HANNA, UT

LOCATION.--Lat 40°32'54", long 110°41'37", in $SW^1/_4SW^1/_4SW^1/_4$ sec. 21, T. 2, N., R. 7 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 175 ft upstream from road bridge, 0.5 mi upstream from mouth, and 10.6 mi northeast of Hanna.

DRAINAGE AREA.--15.7 mi^2.

PERIOD OF RECORD.--August 1953 to September 1992 (discontinued).

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,860 ft above NGVD of 1929, from river-profile map. Prior to July 23, 1974, at site 75 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Since May, 1988 a transmountain diversion approximately 1 mile above the gage, in association with the Bureau of Reclamation Stillwater project can divert entire flow at times.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 216 ft^3/s June 6, 1986, gage height, 3.15 ft, from floodmarks; minimum daily discharge, 1.1 ft^3/s Mar. 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 27	1600	*8.9	*1.61				

Minimum daily discharge, 1.8 ft^3/s Jan. 20.

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	5.3	e3.7	e3.1	e2.9	e2.2	2.2	2.7	7.5	7.1	4.5	6.0	3.2
2	5.2	e3.5	e3.2	e2.8	e2.1	2.2	3.0	7.5	7.1	4.5	4.0	3.0
3	5.0	e3.2	e3.0	e2.8	e2.1	2.2	3.3	7.6	6.9	4.5	3.9	3.0
4	5.0	e3.9	e3.0	e2.8	e2.1	2.2	3.5	7.7	6.9	4.6	3.9	3.2
5	5.0	e4.2	e3.6	e2.5	e2.1	2.2	3.8	7.5	6.8	4.5	3.9	3.0
6	5.0	e4.4	e3.5	e2.7	e2.2	2.1	3.8	7.6	6.5	4.5	4.1	2.9
7	5.0	4.5	e3.4	e2.7	e2.2	2.2	3.7	7.5	7.0	5.1	4.0	2.8
8	4.9	4.2	e3.3	e2.6	e2.2	2.2	3.9	7.6	7.0	6.6	4.0	2.8
9	4.8	4.2	e3.2	e2.6	e2.2	2.1	4.4	7.9	6.8	5.5	3.9	2.7
10	4.5	4.3	e3.2	e2.4	e2.2	2.7	4.9	7.7	7.0	4.5	3.8	2.7
11	4.3	4.4	e3.2	e2.3	e2.3	2.4	5.3	7.5	6.9	4.6	3.8	2.7
12	4.3	4.5	e3.2	e2.4	e2.3	2.4	5.8	7.5	6.9	5.8	3.7	2.7
13	4.3	4.5	e3.2	e2.4	e2.2	2.4	5.7	7.5	6.6	6.6	3.7	2.7
14	4.3	4.1	e3.1	e2.4	e2.2	2.4	5.9	7.5	6.6	6.9	3.7	2.6
15	4.3	e3.9	e2.9	e2.5	e2.2	2.4	6.3	7.5	6.7	6.8	3.7	2.5
16	4.1	e3.9	e3.2	e2.4	e2.2	2.4	6.2	7.5	5.5	6.8	3.9	2.6
17	4.1	e3.9	e3.2	e2.3	e2.2	2.4	6.5	7.5	4.8	5.7	3.6	2.6
18	4.1	e3.9	e3.2	e2.1	e2.1	2.3	6.6	7.5	4.8	4.5	3.6	2.4
19	3.9	e3.9	e3.2	e1.9	e2.1	2.3	6.0	7.6	4.8	4.6	3.6	2.4
20	3.9	e3.8	e3.0	e1.8	1.9	e2.4	6.0	7.7	4.8	4.7	3.6	2.4
21	3.9	e3.5	e3.0	e2.0	1.9	2.6	6.2	7.6	4.7	4.7	3.5	2.2
22	4.0	e3.4	e3.1	e2.1	1.9	2.3	6.6	7.5	4.5	4.7	3.6	2.2
23	4.4	e3.4	e3.1	e2.2	1.9	2.3	6.1	7.3	4.5	3.9	3.8	2.1
24	4.1	e3.6	e3.0	e2.3	1.9	2.4	6.1	7.2	4.6	3.9	3.5	2.6
25	3.7	e3.8	e2.9	e2.4	2.0	2.6	6.7	7.2	4.6	4.7	3.3	2.3
26	4.1	e3.6	e2.9	e2.3	2.1	2.5	6.9	7.3	4.5	6.6	3.1	2.2
27	4.4	e3.5	e2.9	e2.3	2.1	2.5	7.8	7.2	4.5	6.5	3.1	2.1
28	3.6	e3.2	e2.9	e2.2	2.2	2.6	8.3	7.2	4.5	6.4	3.0	2.1
29	e3.4	e3.0	e2.9	e2.2	2.2	2.7	7.5	7.2	4.5	6.3	3.0	2.0
30	e3.3	e2.6	e2.9	e2.1	---	2.6	7.5	7.2	4.5	6.3	3.0	1.9
31	e3.3	---	e2.9	e2.1	---	2.6	---	7.2	---	6.3	3.3	---
TOTAL	133.5	114.5	96.4	73.5	61.5	73.8	167.0	231.5	172.9	166.1	114.6	76.6
MEAN	4.31	3.82	3.11	2.37	2.12	2.38	5.57	7.47	5.76	5.36	3.70	2.55
MAX	5.3	4.5	3.6	2.9	2.3	2.7	8.3	7.9	7.1	6.9	6.0	3.2
MIN	3.3	2.6	2.9	1.8	1.9	2.1	2.7	7.2	4.5	3.9	3.0	1.9
AC-FT	265	227	191	146	122	146	331	459	343	329	227	152

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1992, BY WATER YEAR (WY)

MEAN	4.03	3.47	2.90	2.45	2.23	2.32	5.56	8.34	8.82	7.10	6.05	4.72
MAX	4.31	3.82	3.11	2.73	2.52	2.70	8.34	10.8	10.0	9.62	7.80	5.82
(WY)	1992	1992	1992	1989	1989	1989	1989	1989	1991	1989	1989	1991
MIN	3.75	2.81	2.47	2.18	2.04	1.76	2.77	7.24	5.76	5.36	3.70	2.55
(WY)	1991	1991	1991	1991	1991	1991	1991	1991	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1989 - 1992	
ANNUAL TOTAL	1681.1		1481.9			
ANNUAL MEAN	4.61		4.05		4.84	
HIGHEST ANNUAL MEAN					5.93	1989
LOWEST ANNUAL MEAN					4.05	1992
HIGHEST DAILY MEAN	36	Jun 12	8.3	Apr 28	48	Jun 12 1990
LOWEST DAILY MEAN	1.6	Mar 5	1.8	Jan 20	1.6	Mar 5 1991
ANNUAL SEVEN-DAY MINIMUM	1.7	Mar 20	1.9	Feb 19	1.7	Mar 20 1991
ANNUAL RUNOFF (AC-FT)	3330		2940		3510	
10 PERCENT EXCEEDS	7.9		7.1		8.5	
50 PERCENT EXCEEDS	4.0		3.6		3.9	
90 PERCENT EXCEEDS	1.9		2.2		2.2	

e Estimated

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°29'36", long 110°34'39", in SE¼NW¼SW¼ sec. 9, T. 1 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on right bank at Lower Stillwater damsite "B", 0.1 mi upstream from Corral Creek, 6.8 mi downstream from South Fork, and 11.9 mi northwest of Mountain Home.

DRAINAGE AREA.--147 mi².

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,250 ft above NGVD of 1929, from river-profile map. Prior to Apr. 12, 1939, nonrecording gage at site 300 ft upstream at different datum.

REMARKS.--No estimated daily discharges, records good. Flow partially regulated by Upper Stillwater Reservoir 8 mi upstream, beginning Nov. 3, 1987. Total capacity, 32,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,920 ft³/s June 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft June 4, 1986, from floodmarks; minimum recorded, 7.0 ft³/s Mar. 13, 1940, Mar. 20, 1942 (probably caused by ice jams above station).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 78 ft³/s Aug. 15, gage height, 2.12 ft; minimum daily discharge, 22 ft³/s, Dec. 1; minimum instantaneous discharge 3.8 ft³/s, Nov. 22.

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	36	41	22	29	30	36	34	33	36	65	48	41
2	36	40	29	25	29	36	35	33	37	65	47	39
3	36	37	31	26	29	36	35	34	37	64	46	42
4	35	39	33	35	30	36	34	31	37	63	50	47
5	36	39	35	34	32	37	34	31	37	63	52	43
6	36	42	38	35	33	35	33	32	36	62	53	42
7	37	41	38	34	31	34	34	36	39	63	52	45
8	37	39	37	31	30	35	34	46	39	66	51	45
9	36	39	36	31	31	34	35	53	38	65	50	45
10	36	40	38	32	31	35	36	56	37	62	50	43
11	35	38	37	32	33	33	35	56	38	64	50	43
12	39	37	39	32	33	35	35	53	37	68	49	46
13	39	38	36	30	33	37	36	46	37	66	53	46
14	39	39	35	32	33	38	37	44	37	64	75	45
15	39	43	31	31	33	37	39	47	40	62	76	45
16	39	39	33	32	34	36	46	43	38	63	74	46
17	39	38	35	32	40	33	39	44	35	62	68	45
18	39	40	37	29	33	34	37	46	35	60	50	32
19	38	38	38	30	34	34	35	48	34	60	49	31
20	40	35	35	31	34	35	36	54	34	61	49	31
21	39	38	34	30	35	33	35	40	34	61	50	30
22	40	32	34	32	35	32	34	38	41	61	51	30
23	44	32	34	31	35	34	33	35	44	69	54	30
24	41	37	31	30	35	33	32	35	57	71	49	34
25	40	38	29	30	35	32	33	37	68	72	42	33
26	41	38	27	30	35	32	33	42	68	72	40	34
27	45	37	24	29	36	33	34	40	66	69	39	34
28	42	36	25	29	36	33	31	37	66	53	39	34
29	39	35	32	29	37	33	31	37	65	50	39	34
30	40	27	30	29	---	33	32	37	64	49	40	31
31	40	---	30	30	---	34	---	37	---	48	41	---
TOTAL	1198	1132	1023	952	965	1068	1047	1281	1311	1943	1576	1166
MEAN	38.6	37.7	33.0	30.7	33.3	34.5	34.9	41.3	43.7	62.7	50.8	38.9
MAX	45	43	39	35	40	38	46	56	68	72	76	47
MIN	35	27	22	25	29	32	31	31	34	48	39	30
AC-FT	2380	2250	2030	1890	1910	2120	2080	2540	2600	3850	3130	2310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	43.2	38.8	34.4	30.9	32.9	34.9	41.9	75.3	109	140	71.0	46.3
MAX	69.1	51.1	40.4	38.5	37.4	44.1	53.6	184	201	494	150	55.8
(WY)	1988	1988	1989	1989	1989	1989	1989	1988	1990	1988	1988	1990
MIN	32.0	30.2	29.5	27.3	29.0	29.9	34.9	41.3	43.7	44.0	41.8	38.8
(WY)	1990	1990	1991	1991	1988	1988	1992	1992	1992	1991	1991	1991

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1988 - 1992	
ANNUAL TOTAL	16186		14662			
ANNUAL MEAN	44.3		40.1		58.4	
HIGHEST ANNUAL MEAN					108	1988
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	471	Jun 13	76	Aug 15	834	Jun 11 1990
LOWEST DAILY MEAN	22	Dec 1	22	Dec 1	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	27	Jan 19	28	Dec 27	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	32100		29080		42300	
10 PERCENT EXCEEDS	45		60		69	
50 PERCENT EXCEEDS	37		37		40	
90 PERCENT EXCEEDS	29		31		30	

09279100 ROCK CREEK NEAR TALMAGE, UT

LOCATION.--Lat 40°18'40", long 110°29'36", in $SE^1/_4NE^1/_4NW^1/_4$ sec. 18, T. 2 S., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 1.5 mi upstream from mouth, 4.1 mi southwest of Talmage and 11.1 mi northwest of Duchesne.

DRAINAGE AREA.--238 mi^2.

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

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,119.3 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Upper Stillwater Dam (total capacity 32,000 acre-feet) completed, and storage started, in November 1987.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,470 ft^3/s June 6, 1986, gage height, 4.57 ft; minimum recorded, 6.0 ft^3/s Nov. 28, 1976, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	1700	*202	*1.92				

Minimum daily discharge, 32 ft^3/s, Nov. 30.

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	42	e44	e35	e45	e48	e48	42	44	46	70	55	47
2	41	e43	e39	e42	e46	e48	41	45	46	70	55	43
3	41	e42	e40	e48	e46	e48	41	46	45	66	56	41
4	40	e43	e39	e47	e47	48	41	45	45	66	55	48
5	42	e43	e42	e49	e48	48	40	43	45	65	56	47
6	43	45	e44	e50	e50	46	40	43	44	65	67	43
7	42	45	e45	e50	e48	46	40	45	47	70	62	44
8	42	43	e44	e48	e47	45	40	55	49	71	58	46
9	42	43	e42	e46	e47	43	40	61	48	71	55	45
10	42	44	e41	e46	e47	43	43	66	47	67	54	44
11	42	43	e43	e47	e49	44	42	65	47	70	54	42
12	43	42	e43	e49	e48	45	42	64	47	76	52	44
13	44	42	e44	e46	e46	46	43	60	45	73	53	46
14	44	42	e44	e47	e45	47	44	57	46	72	69	45
15	44	49	e42	e47	e45	47	45	56	49	72	77	45
16	43	44	e44	e48	e46	46	60	54	49	72	75	45
17	43	42	e45	e48	e50	43	49	53	45	71	71	48
18	42	44	e48	e46	e47	43	47	54	43	67	55	40
19	43	43	e46	e46	e45	43	45	57	43	68	49	35
20	44	e43	e44	e46	e45	42	44	68	42	67	48	34
21	44	42	e43	e48	e47	44	44	57	42	67	48	33
22	44	e37	e45	e48	e48	43	45	53	45	66	52	33
23	48	e35	e45	e50	e48	46	44	48	48	73	56	34
24	47	e39	e42	e49	e46	44	43	46	55	76	52	37
25	45	e44	e40	e48	e45	42	42	50	71	79	46	38
26	46	e45	e39	e49	e45	42	43	60	71	81	43	39
27	50	e43	e39	e48	e46	42	43	59	72	78	43	39
28	50	e43	e42	e49	e48	42	42	50	70	64	41	39
29	48	e35	e47	e49	e48	42	41	49	69	59	41	39
30	46	e32	e46	e48	---	42	42	49	68	57	41	39
31	e44	---	e48	e47	---	42	---	49	---	55	44	---
TOTAL	1361	1264	1330	1474	1361	1380	1298	1651	1529	2144	1683	1242
MEAN	43.9	42.1	42.9	47.5	46.9	44.5	43.3	53.3	51.0	69.2	54.3	41.4
MAX	50	49	48	50	50	48	60	68	72	81	77	48
MIN	40	32	35	42	45	42	40	43	42	55	41	33
AC-FT	2700	2510	2640	2920	2700	2740	2570	3270	3030	4250	3340	2460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	45.9	44.7	41.4	39.1	40.6	42.8	48.5	77.9	104	128	66.9	47.1
MAX	67.4	62.6	50.8	47.5	46.9	46.7	54.4	172	182	427	129	52.3
(WY)	1988	1988	1988	1992	1992	1989	1989	1988	1990	1988	1988	1990
MIN	37.2	36.5	35.1	32.5	37.6	37.9	41.2	48.6	51.0	47.4	46.0	41.4
(WY)	1991	1990	1991	1991	1991	1988	1991	1991	1992	1989	1991	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1988 - 1992	
ANNUAL TOTAL	17832		17717			
ANNUAL MEAN	48.9		48.4		60.7	
HIGHEST ANNUAL MEAN					104	1988
LOWEST ANNUAL MEAN					47.3	1991
HIGHEST DAILY MEAN	421	Jun 13	81	Jul 26	782	Jun 12 1990
LOWEST DAILY MEAN	30	Jan 20	32	Nov 30	30	Jan 20 1991
ANNUAL SEVEN-DAY MINIMUM	32	Jan 14	35	Sep 19	32	Jan 14 1991
ANNUAL RUNOFF (AC-FT)	35370		35140		43950	
10 PERCENT EXCEEDS	51		66		67	
50 PERCENT EXCEEDS	42		46		45	
90 PERCENT EXCEEDS	35		41		37	

e Estimated

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

LOCATION.--Lat 40°16'14", long 110°26'31", in NE¼NW¼NW¼ sec. 34, T. 2 S., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at downstream edge of bridge on State Highway 35, 1.7 mi upstream from Knight diversion dam, 3.9 mi downstream from Rock Creek, and 7.7 mi north-northwest of Duchesne.

DRAINAGE AREA.--623 mi².

PERIOD OF RECORD.--April 1970 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,840 ft above NGVD of 1929, from topographic map. Prior to Apr. 25, 1973, at site 150 ft upstream at different gage datum.

REMARKS.--No estimated daily discharges. Records good. Several diversions above station for irrigation, including a transmountain diversion to the Great Basin through Duchesne Tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,970 ft³/s June 6, 1986, gage height, 7.52 ft, from floodmarks; minimum, 37 ft³/s Jan. 31, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	1800	*675	*5.18				

Minimum daily discharge, 64 ft³/s Sept. 22, 23, 26.

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	104	178	127	123	123	141	119	118	96	106	80	87
2	101	173	142	126	124	134	116	98	94	109	79	86
3	101	157	150	112	124	136	120	78	90	102	86	86
4	109	173	153	125	123	139	122	68	86	103	87	95
5	111	176	153	134	123	138	124	84	78	102	88	95
6	113	179	155	141	120	131	122	91	76	101	113	89
7	115	183	159	137	121	133	116	92	102	103	102	88
8	118	182	157	133	125	135	116	94	114	114	109	90
9	119	177	143	134	124	133	114	105	112	112	97	86
10	121	183	139	125	126	121	114	105	100	100	100	81
11	119	180	153	122	127	121	114	99	98	99	98	79
12	108	172	138	129	128	127	117	91	92	108	95	80
13	111	174	147	123	128	129	120	86	87	116	93	79
14	117	175	129	124	125	131	121	89	86	117	108	78
15	125	196	132	133	125	132	124	91	93	115	118	78
16	125	190	130	127	127	129	158	93	100	113	118	75
17	122	181	127	132	120	128	145	87	97	109	115	79
18	124	185	134	125	120	120	137	89	91	101	102	76
19	136	174	147	124	125	120	133	92	86	98	92	72
20	136	171	136	127	132	120	125	116	77	96	93	70
21	133	181	129	132	124	125	108	121	76	96	88	68
22	134	165	125	135	126	124	102	128	78	90	95	64
23	143	151	130	138	126	128	101	117	77	91	115	64
24	156	158	128	144	123	128	96	112	80	90	101	66
25	154	175	126	139	133	122	90	125	102	96	93	68
26	161	175	122	132	127	120	93	194	104	106	85	64
27	175	169	122	132	133	122	99	162	113	101	84	70
28	179	164	117	130	137	122	113	129	116	93	80	72
29	170	150	126	135	140	122	123	122	112	83	76	71
30	173	149	130	126	---	120	132	113	107	81	77	73
31	170	---	127	120	---	120	---	99	---	81	83	---
TOTAL	4083	5196	4233	4019	3659	3951	3534	3288	2820	3132	2950	2329
MEAN	132	173	137	130	126	127	118	106	94.0	101	95.2	77.6
MAX	179	196	159	144	140	141	158	194	116	117	118	95
MIN	101	149	117	112	120	120	90	68	76	81	76	64
AC-FT	8100	10310	8400	7970	7260	7840	7010	6520	5590	6210	5850	4620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1992, BY WATER YEAR (WY)

MEAN	201	198	168	156	151	162	220	700	1205	443	198	173
MAX	430	308	238	209	198	235	464	1525	2929	1447	443	350
(WY)	1983	1983	1984	1984	1986	1986	1985	1984	1986	1975	1983	1983
MIN	100	124	107	117	115	103	86.3	106	94.0	101	93.3	77.6
(WY)	1978	1978	1991	1978	1977	1977	1977	1990	1992	1992	1977	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1971 - 1992	
ANNUAL TOTAL	61182		43194			
ANNUAL MEAN	168		118		331	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					118	1992
HIGHEST DAILY MEAN	983	Jun 11	196	Nov 15	4700	Jun 6 1986
LOWEST DAILY MEAN	59	May 15	64	Sep 22	59	May 15 1991
ANNUAL SEVEN-DAY MINIMUM	75	May 11	66	Sep 20	66	Sep 20 1992
ANNUAL RUNOFF (AC-FT)	121400		85680		240000	
10 PERCENT EXCEEDS	183		157		640	
50 PERCENT EXCEEDS	135		120		177	
90 PERCENT EXCEEDS	104		81		114	

09285000 STRAWBERRY RIVER NEAR SOLDIER SPRINGS, UT

LOCATION.--Lat 40°08'00", long 111°01'27", in SE¼SW¼NW¼ sec. 16, T. 2 S., R. 10 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 300 ft below Soldier Creek Dam, 1.5 mi upstream from Willow Creek, and 3.4 mi south of Soldier Springs.

DRAINAGE AREA.--213 mi², includes approximately 170 mi² tributary to Strawberry Reservoir, which includes area above diversion dams on Indian and Trail Hollow Creeks.

PERIOD OF RECORD.--October 1942 to September 1956, October 1963 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,360 ft above NGVD of 1929, from topographic map. Prior to June 1, 1971, water-stage recorder at site about 0.2 mi upstream at different datum. From June 1, 1971 to Aug. 8, 1974, at site about 0.8 mi downstream at different datum. From Aug. 25, 1983 to Sept. 10, 1985 at site about 300 ft downstream at different datum.

REMARKS.--No estimated daily discharges, records good. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft since June 30, 1973; 283,000 acre-ft prior to June 30, 1973. New earthfilled dam located 7 mi below old dam was completed in September 1972 and storage began June 30, 1973. The elevation of the new reservoir reached the elevation of the old reservoir on March 15 and the old dam was breached on June 6, 1985. Approximately 500,000 acre-ft can be diverted to Strawberry Reservoir through a series of tunnels located on Rock Creek, West Fork Duchesne and Currant Creek. Transmountain diversions from the reservoir divert flow to the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,020 ft³/s May 4, 1952, gage height, 3.84 ft, site and datum then in use, from rating curve extended above 550 ft³/s; minimum daily, 0.23 ft³/s July and August 1973.

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	18	12	14	14	13	16	17	24	25	23	23	23
2	13	12	14	14	12	16	22	24	25	22	23	22
3	13	12	14	14	13	14	24	24	25	23	23	22
4	14	12	14	14	13	13	24	24	25	23	24	22
5	14	12	14	14	13	13	24	24	25	23	24	23
6	14	12	13	14	14	13	22	24	25	23	24	23
7	14	13	13	15	14	14	23	24	25	23	24	23
8	14	13	13	15	14	14	23	25	24	23	24	23
9	14	13	13	14	14	14	23	25	23	24	24	23
10	14	13	14	13	14	14	24	25	23	24	24	24
11	15	13	14	13	14	14	24	25	23	24	26	23
12	15	13	14	13	14	14	24	25	24	24	26	22
13	15	13	14	13	14	15	24	25	24	24	26	22
14	14	13	14	13	14	15	24	25	24	24	26	22
15	13	13	14	13	14	15	24	25	24	24	27	23
16	13	12	14	13	14	14	24	26	24	24	27	23
17	13	12	14	13	15	13	24	25	24	24	27	23
18	13	12	13	13	15	13	24	23	25	25	27	22
19	13	12	13	13	15	13	24	24	25	25	27	23
20	13	13	13	13	15	13	24	24	25	25	28	23
21	13	12	13	13	15	13	23	24	25	25	28	23
22	13	12	13	14	15	14	23	24	25	25	28	22
23	12	12	13	14	16	14	22	24	25	25	28	22
24	12	12	14	13	15	14	23	24	25	23	28	23
25	13	13	14	12	13	14	23	25	25	22	28	23
26	13	13	14	12	14	14	23	25	25	22	28	23
27	13	13	14	13	15	14	23	25	25	22	26	23
28	12	13	14	13	15	14	23	24	25	23	22	24
29	12	13	14	13	16	15	23	24	25	23	22	23
30	12	13	14	13	---	15	23	24	25	23	23	22
31	12	---	14	13	---	14	---	24	---	23	23	---
TOTAL	416	376	424	414	412	435	695	757	737	730	788	682
MEAN	13.4	12.5	13.7	13.4	14.2	14.0	23.2	24.4	24.6	23.5	25.4	22.7
MAX	18	13	14	15	16	16	24	26	25	25	28	24
MIN	12	12	13	12	12	13	17	23	23	22	22	22
AC-FT	825	746	841	821	817	863	1380	1500	1460	1450	1560	1350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	16.6	13.6	13.4	12.7	12.9	13.3	23.2	25.5	25.5	28.6	29.5	28.8
MAX	34.7	15.7	14.7	14.1	14.5	15.0	25.3	27.0	27.2	45.9	45.9	47.6
(WY)	1991	1986	1986	1986	1986	1986	1986	1988	1989	1990	1990	1990
MIN	12.4	11.8	11.5	11.1	11.2	11.7	19.4	23.9	24.0	23.5	25.4	22.7
(WY)	1989	1990	1990	1990	1991	1988	1991	1990	1990	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	6808		6866			
ANNUAL MEAN	18.7		18.8		20.3	
HIGHEST ANNUAL MEAN					23.5	1990
LOWEST ANNUAL MEAN					18.8	1992
HIGHEST DAILY MEAN	30	Aug 27	28	Aug 20	71	Sep 13 1990
LOWEST DAILY MEAN	11	Jan 25	12	Oct 23	8.5	Mar 28 1988
ANNUAL SEVEN-DAY MINIMUM	11	Jan 25	12	Oct 28	9.7	Mar 24 1988
ANNUAL RUNOFF (AC-FT)	13500		13620		14720	
10 PERCENT EXCEEDS	27		25		27	
50 PERCENT EXCEEDS	16		17		17	
90 PERCENT EXCEEDS	12		13		12	

09285900 STRAWBERRY RIVER AT PINNACLES NEAR FRUITLAND, UT

LOCATION.--Lat 40°07'39", long 110°44'28", in SE¼SW¼SW¼ sec. 13, T. 1 N., R. 8 E., Uintah Meridian, Duchesne County, Hudrologic Unit 14060004, on left bank 150 ft downstream from Strawberry Pinnacles and approximately 9 mi southeast of Fruitland.

DRAINAGE AREA.--372 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow is regulated by Strawberry Reservoir.

COOPERATION.--Gage-height record Oct. 1, 1989 to Feb. 7, 1990 provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft³/s Aug. 6, 1991, gage height, 1.64 ft; minimum daily discharge, 19 ft³/s Dec. 28, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 60 ft³s July 16; minimum daily discharge, 19 ft³/s Dec. 28.

REVISIONS.--Revised daily discharges, in cubic feet per second, for August and September 1991, are given below. These figures supersede those published in the report for 1991.

Aug. 10 . . . 42	Aug. 14 . . . 44	Aug. 18 . . . 45	Aug. 22 . . . 43	Aug. 26 . . . 46	Aug. 30 . . . 45
11 . . . 42	15 . . . 46	19 . . . 47	23 . . . 44	27 . . . 46	31 . . . 45
12 . . . 42	16 . . . 45	20 . . . 43	24 . . . 46	28 . . . 47	
13 . . . 42	17 . . . 44	21 . . . 43	25 . . . 48	29 . . . 45	

MONTH	TOTAL	MEAN	MAX	MIN	AC-FT
August	1380	44.5	48	42	2740

Sept 1 . . . 46	Sept 6 . . . 45	Sept 11 . . . 45	Sept 16 . . . 55	Sept 21 . . . 45	Sept 26 . . . 40
2 . . . 46	7 . . . 47	12 . . . 44	17 . . . 55	22 . . . 41	27 . . . 40
3 . . . 45	8 . . . 45	13 . . . 44	18 . . . 55	23 . . . 41	28 . . . 41
4 . . . 45	9 . . . 43	14 . . . 45	19 . . . 56	24 . . . 41	29 . . . 41
5 . . . 43	10 . . . 44	15 . . . 54	20 . . . 56	25 . . . 40	30 . . . 41

MONTH	TOTAL	MEAN	MAX	MIN	AC-FT
September	1369	45.6	56	40	2720
WTR YR 1991	15589	42.7	90	24	30920

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	41	35	e30	e25	38	36	32	e31	e35	e32	e35	e36
2	34	35	25	26	34	36	33	e44	e33	e36	e37	35
3	33	33	33	28	34	35	35	e46	e31	e35	e37	34
4	32	36	34	30	32	35	35	e48	e29	e33	e35	36
5	32	35	35	33	37	35	36	e43	e30	e30	e35	36
6	32	35	33	35	35	34	37	e44	e32	e30	e39	35
7	32	35	35	35	32	34	36	e44	e34	e31	e50	36
8	31	34	34	35	31	33	37	e42	e35	e40	e49	35
9	31	34	30	32	30	33	37	e43	e35	e37	e42	35
10	31	34	28	e30	30	32	38	e43	e34	e35	e41	35
11	33	34	35	e31	32	32	39	e41	e35	e36	e40	36
12	33	34	33	e30	32	32	39	e41	e38	e49	e38	35
13	33	34	33	e31	33	32	39	e43	e35	e43	e38	35
14	34	35	27	33	33	32	39	e41	e34	e37	e41	36
15	34	36	28	e30	34	33	39	e40	e39	e38	e41	36
16	33	34	29	e27	35	33	40	e37	e37	e60	e43	36
17	33	34	31	e28	37	32	40	e34	e36	e42	e41	36
18	31	34	35	e26	37	32	40	e35	e36	e41	e40	35
19	32	34	39	e25	35	31	41	e33	e34	e40	e39	37
20	34	34	37	e23	35	32	41	e37	e35	e39	e38	38
21	35	34	28	e24	35	32	40	e43	e36	e40	e38	37
22	35	34	30	26	35	31	39	e45	e36	e38	e40	37
23	35	26	35	29	34	31	37	e41	e35	e38	e43	36
24	34	33	31	34	35	31	38	e40	e35	e36	e42	36
25	34	36	27	39	36	32	35	e40	e36	e37	e42	36
26	34	35	24	39	36	32	e33	e43	e40	e37	e41	37
27	35	33	22	38	35	32	e33	e41	e39	e40	e38	38
28	36	33	19	38	35	32	e32	e39	e34	e39	e34	37
29	35	33	20	36	36	32	e30	e37	e36	e38	e32	38
30	35	32	23	35	---	32	e31	e37	e34	e37	e32	38
31	35	---	28	36	---	32	---	e35	---	e36	e34	---
TOTAL	1042	1018	931	967	993	1013	1101	1251	1048	1180	1215	1083
MEAN	33.6	33.9	30.0	31.2	34.2	32.7	36.7	40.4	34.9	38.1	39.2	36.1
MAX	41	36	39	39	38	36	41	48	40	60	50	38
MIN	31	26	19	23	30	31	30	31	29	30	32	34
AC-FT	2070	2020	1850	1920	1970	2010	2180	2480	2080	2340	2410	2150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	45.5	35.6	32.2	31.7	32.5	33.2	36.3	46.0	48.4	47.2	49.3	48.4
MAX	61.2	39.2	37.1	36.6	34.2	34.4	36.7	52.6	68.7	57.6	64.2	63.5
(WY)	1991	1990	1990	1990	1992	1991	1990	1991	1991	1990	1990	1990
MIN	33.6	33.6	29.5	27.4	30.4	32.5	35.5	40.4	34.9	38.1	39.2	36.1
(WY)	1992	1991	1991	1991	1990	1990	1991	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	14759		12842			
ANNUAL MEAN	40.4		35.1		40.6	
HIGHEST ANNUAL MEAN					43.9	1990
LOWEST ANNUAL MEAN					35.1	1992
HIGHEST DAILY MEAN	84	Jun 5	60	Jul 16	90	Oct 7 1990
LOWEST DAILY MEAN	19	Dec 28	19	Dec 28	19	Dec 28 1991
ANNUAL SEVEN-DAY MINIMUM	23	Dec 25	23	Dec 26	23	Dec 26 1991
ANNUAL RUNOFF (AC-FT)	29270		25470		29380	
10 PERCENT EXCEEDS	55		41		52	
50 PERCENT EXCEEDS	35		35		37	
90 PERCENT EXCEEDS	29		30		30	

e Estimated

09286100 RED CREEK ABOVE RESERVOIR, NEAR FRUITLAND, UT

LOCATION.--Lat 40°19'48", long 110°51'43", in SW¼SE¼SE¼, sec. 2, T. 2 S., R. 9 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 2 mi above Red Creek Dam and 9.2 mi north of Fruitland.

DRAINAGE AREA.--31.4 mi².

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. No regulation or diversions above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 107 ft³/s, Mar. 11, 1989, gage height, 2.73 ft; minimum recorded discharge, .03 ft³/s, Mar. 20, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7.9 ft³/s, May 9, gage height, 1.44 ft; minimum daily discharge, 0.12 ft³/s, Aug. 4.

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	1.6	e2.2	e1.4	e1.8	e1.7	e2.9	4.0	5.1	2.8	.89	.13	.60
2	1.3	e2.3	e1.7	e1.7	e1.8	e2.9	3.9	4.9	2.6	.82	.16	.52
3	1.3	e2.2	e2.0	e1.6	e1.9	e2.8	4.2	4.4	2.5	.87	.13	.52
4	1.1	2.4	e1.9	e1.7	e2.0	e2.7	4.9	4.3	2.3	.88	.12	.61
5	1.1	2.3	e1.8	e2.0	e2.2	e2.9	5.1	4.2	2.2	.77	.32	.62
6	1.2	2.3	e1.8	e2.0	e2.1	e2.8	5.2	4.1	2.1	.67	.66	.58
7	1.3	e2.1	e2.1	e1.8	e2.2	e2.7	4.4	4.1	2.1	.60	.55	.54
8	1.3	2.5	e2.2	e1.8	e2.1	e2.6	3.7	5.4	2.1	.62	.49	.55
9	1.3	2.2	2.1	e1.5	e2.3	e2.7	3.6	7.0	2.1	.69	.48	.60
10	1.3	2.2	2.3	e1.3	e2.4	e2.7	4.1	6.8	2.0	.68	.45	.51
11	1.4	2.2	e2.3	e1.4	e2.2	e2.8	4.5	5.3	2.0	.78	.42	.54
12	1.3	2.2	e2.4	e1.6	e2.4	e2.9	4.5	4.7	2.2	.98	.42	.59
13	1.2	2.1	2.4	e1.9	e2.2	e3.1	4.3	4.6	2.0	.99	.35	.55
14	1.2	2.0	e2.3	2.1	e2.3	e3.3	4.1	4.4	1.8	1.1	.31	.69
15	1.2	2.3	e2.0	e1.9	e2.4	3.7	4.8	4.1	1.7	.91	.33	.62
16	1.3	2.2	e1.8	e1.8	e2.2	3.0	6.9	3.9	2.0	.77	.35	.68
17	1.2	2.5	e1.7	e1.7	e2.3	2.5	5.9	3.7	2.0	.67	.29	.66
18	1.2	2.2	e1.6	e1.6	e2.4	2.3	5.6	3.6	2.0	.57	.31	.78
19	1.4	e2.1	e1.8	e1.5	e2.6	2.3	5.6	3.5	1.6	.43	.33	.79
20	1.7	e2.0	e1.7	e1.4	e2.6	2.1	4.5	4.7	1.5	.37	.35	.73
21	1.6	e1.9	e1.6	e1.6	e2.7	2.4	4.2	5.6	1.4	.30	.27	.88
22	1.7	e1.8	e1.5	e1.7	e2.3	2.6	4.1	5.5	1.2	.35	.37	.90
23	1.9	e1.7	e1.5	e1.9	e2.3	2.8	4.2	4.7	1.1	.37	.45	.85
24	2.0	e1.9	e1.4	e2.0	e2.4	3.0	3.9	4.2	1.0	.34	.43	.93
25	2.0	e2.2	e1.4	e1.9	e2.5	3.2	3.7	3.9	1.0	.33	.37	.95
26	2.0	e2.3	e1.5	e2.0	e2.6	3.8	3.7	3.8	.90	.40	.36	1.0
27	2.5	e2.2	e1.6	e2.0	e2.7	4.1	3.9	3.5	1.2	.36	.33	.97
28	2.4	e1.9	e1.8	e1.7	e2.8	4.4	4.3	3.3	1.5	.29	.27	.92
29	e2.4	e1.7	e1.6	e1.8	e3.0	4.6	4.9	3.2	1.1	.23	.31	.92
30	e2.2	e1.4	e1.8	e1.7	---	4.5	5.1	3.4	.96	.19	.34	.96
31	e2.1	---	e1.7	e1.6	---	4.4	---	3.3	---	.15	.41	---
TOTAL	48.7	63.5	56.7	54.0	67.6	95.5	135.8	137.2	52.96	18.37	10.86	21.56
MEAN	1.57	2.12	1.83	1.74	2.33	3.08	4.53	4.43	1.77	.59	.35	.72
MAX	2.5	2.5	2.4	2.1	3.0	4.6	6.9	7.0	2.8	1.1	.66	1.0
MIN	1.1	1.4	1.4	1.3	1.7	2.1	3.6	3.2	.90	.15	.12	.51
AC-FT	97	126	112	107	134	189	269	272	105	36	22	43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1992, BY WATER YEAR (WY)

MEAN	2.06	2.39	2.20	1.98	2.41	4.06	8.99	9.55	5.33	1.69	1.01	1.20
MAX	4.29	4.00	3.50	2.59	3.30	6.83	15.0	15.3	8.89	2.86	1.94	1.52
(WY)	1987	1987	1987	1990	1991	1989	1987	1987	1991	1987	1987	1991
MIN	1.32	1.39	1.40	1.17	1.64	3.08	4.53	4.43	1.77	.59	.35	.67
(WY)	1989	1989	1989	1989	1989	1992	1992	1992	1992	1992	1992	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1992	
ANNUAL TOTAL	1366.07		762.75			
ANNUAL MEAN	3.74		2.08		3.57	
HIGHEST ANNUAL MEAN					5.31	1987
LOWEST ANNUAL MEAN					2.08	1992
HIGHEST DAILY MEAN	16	Jun 1	7.0	May 9	70	Mar 11 1989
LOWEST DAILY MEAN	.97	Sep 5	.12	Aug 4	.12	Aug 4 1992
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 31	.16	Jul 29	.16	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	2710		1510		2590	
10 PERCENT EXCEEDS	9.1		4.2		8.5	
50 PERCENT EXCEEDS	2.3		1.9		2.3	
90 PERCENT EXCEEDS	1.3		.43		.93	

e Estimated

09286700 CURRANT CREEK BELOW CURRANT CREEK DAM, NEAR FRUITLAND, UT

LOCATION.--Lat 40°19'51", long 111°02'56", in NE¼SE¼SE¼ sec. 6, T. 2 S., R. 10 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 700 ft below Currant Creek Dam, 1.0 mi above Red Ledge Hollow, and 14 mi northwest of Fruitland.

DRAINAGE AREA.--48.0 mi².

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,550 ft above NGVD of 1929 from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Currant Creek Reservoir, total capacity, 15,670 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 558 ft³/s May 14, 1984, gage height, 5,58 ft; minimum daily, 0.63 ft³/s April 10, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 18 ft³/s several days in August, and September; minimum daily, 8.5 ft³/s Feb. 28.

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	14	10	10	9.7	9.4	8.6	13	17	16	e17	17	17
2	10	10	10	9.7	9.4	8.7	17	17	16	e17	17	17
3	10	10	10	9.7	9.4	8.8	17	17	16	e17	17	17
4	10	10	10	9.7	9.4	8.8	17	17	16	e17	17	17
5	10	10	10	9.7	9.4	8.8	17	17	16	e17	17	17
6	10	10	10	9.8	9.4	8.9	17	16	16	e17	17	17
7	10	10	10	10	9.1	9.1	17	17	17	e17	17	17
8	10	10	10	10	9.1	9.1	17	17	17	e17	17	17
9	11	10	9.9	10	9.1	9.1	17	17	17	e17	17	17
10	10	10	9.7	10	9.1	9.1	17	17	17	e17	17	17
11	11	10	9.7	10	9.1	9.1	17	17	17	e17	17	17
12	11	10	9.7	10	9.1	9.1	17	17	17	e17	17	17
13	11	10	9.7	10	9.1	9.1	17	17	17	e17	17	17
14	11	10	9.7	10	9.1	9.1	17	17	17	e17	17	17
15	10	10	9.7	10	9.1	9.2	17	17	17	e17	17	17
16	10	10	9.5	10	9.2	9.3	17	17	17	e17	17	17
17	10	10	9.4	10	9.2	9.3	17	17	17	e17	17	18
18	10	10	9.4	10	9.1	9.3	17	17	17	e17	17	18
19	10	10	9.5	10	9.0	9.3	17	17	e17	e17	17	18
20	10	10	10	10	8.8	9.3	17	17	e17	e17	17	18
21	10	10	9.7	10	8.9	9.4	17	17	e17	17	17	18
22	10	10	9.7	10	8.8	9.4	17	17	e17	17	17	17
23	10	10	9.7	9.9	8.8	9.3	17	17	e17	17	17	17
24	10	10	9.7	9.8	8.8	9.4	17	17	e17	17	17	17
25	10	10	9.8	10	8.8	9.4	16	17	e17	17	17	17
26	10	10	10	9.8	8.8	9.8	16	17	e17	17	17	17
27	10	10	10	9.6	8.8	11	16	17	e17	17	17	17
28	10	10	10	9.4	8.5	11	16	17	e17	17	18	17
29	10	10	9.8	9.4	8.6	11	16	17	e17	17	18	17
30	10	10	9.7	9.4	---	10	17	17	e17	17	18	17
31	10	---	9.7	9.4	---	10	---	17	---	17	18	---
TOTAL	319	300	303.7	305.0	262.4	290.8	501	526	504	527	531	515
MEAN	10.3	10.0	9.80	9.84	9.05	9.38	16.7	17.0	16.8	17.0	17.1	17.2
MAX	14	10	10	10	9.4	11	17	17	17	17	18	18
MIN	10	10	9.4	9.4	8.5	8.6	13	16	16	17	17	17
AC-FT	633	595	602	605	520	577	994	1040	1000	1050	1050	1020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

MEAN	9.33	9.51	10.6	9.87	9.44	9.05	25.6	50.9	35.5	19.5	14.8	14.4
MAX	17.4	18.9	19.7	17.3	14.6	12.1	59.4	297	154	42.1	22.4	24.1
(WY)	1984	1984	1985	1985	1985	1984	1985	1984	1984	1984	1984	1989
MIN	4.20	5.63	6.78	6.22	6.24	7.33	15.1	17.0	16.8	12.2	7.16	6.82
(WY)	1985	1985	1989	1989	1989	1988	1986	1992	1992	1986	1985	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	5258.4		4884.9			
ANNUAL MEAN	14.4		13.3		18.2	
HIGHEST ANNUAL MEAN					55.8	1984
LOWEST ANNUAL MEAN					11.1	1986
HIGHEST DAILY MEAN	20	Apr 6	18	Aug 28	549	May 21 1984
LOWEST DAILY MEAN	7.2	Jan 3	8.5	Feb 28	.63	Apr 10 1985
ANNUAL SEVEN-DAY MINIMUM	7.3	Jan 1	8.7	Feb 25	3.3	Oct 15 1984
ANNUAL RUNOFF (AC-FT)	10430		9690		13220	
10 PERCENT EXCEEDS	20		17		23	
50 PERCENT EXCEEDS	14		13		11	
90 PERCENT EXCEEDS	9.4		9.2		6.8	

e Estimated

09288000 CURRANT CREEK NEAR FRUITLAND, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE¼SE¼SW¼ sec. 21, T. 3 S., R. 9 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 30 ft downstream from Deep Creek, 150 ft upstream from bridge on U.S. Highway 40 and 3.5 mi southwest of Fruitland.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--October 1934 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Elevation of gage is 6,670 ft above NGVD of 1929, from topographic map. Aug. 6, 1952 to Nov. 8, 1966, water-stage recorder at site 150 ft downstream at datum 1.30 ft lower. See WSP 1733 for history of changes prior to Aug. 6, 1952.

REMARKS.--Records good except for estimated daily discharges, which are poor. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to Strawberry Reservoir, from which it is diverted through Strawberry Tunnel to the Great Basin for irrigation in Strawberry Valley project. Beginning in 1962, Deep Creek was diverted intermittently into private fish ponds and entered Currant Creek 400 ft below gage. However, since approximately 1976 when the upstream pond washed out Deep Creek has been entering Currant Creek 30 ft above gage. Flow partially regulated by Currant Creek Reservoir 15 miles upstream, beginning Oct. 4, 1982. Total capacity, 15,670 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,260 ft³/s May 4, 1952, gage height, 2.72 ft, site and datum then in use; maximum gage height, 5.92 ft, Jan. 27, 1974, backwater from ice; minimum recorded, 3.6 ft³/s Aug. 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 33 ft³/s several days in April and June; minimum daily discharge, 18 ft³/s Dec. 21, 25.

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	31	27	e19	e20	e25	26	27	30	22	24	24	26
2	27	27	e27	e19	e24	26	30	30	23	25	24	26
3	26	e26	e27	e22	e24	26	32	31	24	24	23	26
4	24	28	e26	e26	e23	27	32	31	21	24	23	28
5	24	27	e25	e27	e24	28	33	30	24	25	25	29
6	24	27	e24	e26	e24	27	33	30	24	25	28	27
7	25	27	e24	e25	e25	28	33	28	27	26	28	26
8	25	27	e24	e20	26	27	33	29	27	28	27	26
9	25	27	e21	e22	26	26	32	32	30	27	25	25
10	27	27	e24	e22	25	26	33	31	30	25	25	25
11	26	27	e24	e22	26	27	33	30	33	30	25	25
12	26	27	e23	e24	26	28	33	28	27	32	24	25
13	26	28	e22	e21	26	28	33	27	29	28	24	25
14	26	29	e19	e25	25	28	32	27	28	27	25	25
15	26	29	e21	e23	25	28	32	27	27	27	25	24
16	26	28	e21	e21	26	27	32	27	25	26	26	25
17	26	28	e21	e25	e24	27	31	27	25	26	25	26
18	25	29	e25	e20	23	26	32	25	24	26	25	26
19	26	28	e26	e21	e25	25	31	25	24	27	24	25
20	26	e27	e21	e22	25	26	32	30	24	27	24	28
21	26	28	e18	e23	25	26	32	30	24	26	24	27
22	26	27	e25	e24	25	26	33	28	24	24	25	29
23	29	e22	e23	e25	24	28	32	27	24	25	26	29
24	29	e28	e20	e26	24	27	30	26	24	24	25	29
25	29	26	e18	e25	e25	27	31	26	25	25	24	28
26	28	26	e21	e23	24	27	31	25	26	25	24	29
27	30	26	e20	e25	25	27	30	25	25	25	24	29
28	28	26	e21	e23	26	27	30	24	24	24	24	30
29	28	e25	e25	e25	26	27	30	23	24	24	24	29
30	28	e24	e25	e23	---	27	30	23	24	24	23	28
31	e27	---	e25	e23	---	28	---	21	---	24	24	---
TOTAL	825	808	705	718	721	834	948	853	762	799	766	805
MEAN	26.6	26.9	22.7	23.2	24.9	26.9	31.6	27.5	25.4	25.8	24.7	26.8
MAX	31	29	27	27	26	28	33	32	33	32	28	30
MIN	24	22	18	19	23	25	27	21	21	24	23	24
AC-FT	1640	1600	1400	1420	1430	1650	1880	1690	1510	1580	1520	1600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	31.2	31.5	29.5	30.0	32.5	36.7	47.5	51.3	44.8	34.3	31.2	32.2
MAX	47.2	44.0	39.4	38.3	45.4	60.7	84.2	117	91.5	56.3	44.5	45.7
(WY)	1987	1987	1986	1987	1986	1986	1986	1986	1986	1986	1986	1986
MIN	25.7	24.9	22.7	23.2	24.3	26.9	31.6	27.5	25.4	25.8	24.6	24.6
(WY)	1989	1991	1992	1992	1989	1992	1992	1992	1992	1992	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	10824		9544			
ANNUAL MEAN	29.7		26.1		36.0	
HIGHEST ANNUAL MEAN					58.5	1986
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	44	Jun 1	33	Apr 5	151	Jun 4 1986
LOWEST DAILY MEAN	18	Dec 21	18	Dec 21	12	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	21	Dec 21	21	Dec 21	19	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	21470		18930		26120	
10 PERCENT EXCEEDS	35		30		49	
50 PERCENT EXCEEDS	29		26		32	
90 PERCENT EXCEEDS	25		23		25	

e Estimated

09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT

LOCATION.--Lat 40°09'17", long 110°33'15", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 3, T. 4 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060004, on right bank 150 ft downstream from County Road bridge, 2,000 ft upstream from maximum high-water line of Starvation Reservoir, and 7.9 mi west of Duchesne.

DRAINAGE AREA.--917 mi^2 (includes approximately 170 mi^2 tributary to Strawberry Reservoir).

PERIOD OF RECORD.--May 1968 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,722 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft since June 30, 1973; 283,000 acre-ft prior to June 30, 1973. New earthfilled dam located 7 mi below old dam was completed in September 1972 and storage began June 30, 1973. The elevation of new reservoir reached the elevation of the old reservoir on March 15 and the old dam was breached on June 6, 1985. Water Hollow Tunnel will divert 600 ft^3/s to the reservoir during spring runoff when series of tunnels and small reservoirs are completed on Rock Creek, West Fork Duchesne River, and Currant Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,090 ft^3/s May 31, 1983, gage height, 8.29 ft; maximum gage height, 10.16 ft Jan. 2, 1983, result of an ice jam; minimum recorded, 17 ft^3/s June 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 283 ft^3/s July 16, gage height 5.32 ft; minimum daily discharge, 57 ft^3/s Dec. 01.

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	93	e81	e57	e68	e78	92	78	82	75	71	61	78
2	82	80	e72	e64	e76	85	79	87	71	77	63	76
3	70	76	e72	e70	e72	85	87	95	69	75	62	73
4	65	e81	e74	e78	e78	84	88	97	64	72	58	78
5	64	81	e75	e70	e84	90	88	91	65	68	58	78
6	64	80	e71	e78	e80	86	87	94	68	67	67	74
7	66	76	e74	e84	e78	83	85	94	72	67	100	70
8	65	73	e70	e70	e84	82	86	91	74	89	96	74
9	64	73	e64	e64	e92	79	85	92	73	84	81	71
10	63	74	e72	e70	e90	76	85	91	72	79	76	64
11	64	71	e72	e68	e92	78	84	85	75	81	75	69
12	66	71	e70	e74	e93	83	84	84	80	110	69	70
13	68	71	e68	e66	e93	84	85	89	74	93	70	70
14	68	74	e62	e62	e94	85	87	84	73	81	74	71
15	67	80	e65	e66	e95	85	84	83	81	83	75	68
16	65	77	e66	e64	e94	85	87	77	77	124	79	72
17	61	74	e76	e70	e90	83	82	74	75	85	73	73
18	62	78	e85	e64	e86	80	86	75	76	78	71	75
19	62	73	e84	e70	e96	79	84	71	72	72	70	77
20	72	71	e70	e80	e98	79	85	77	74	67	68	83
21	71	72	e67	e74	e97	80	82	90	76	68	66	78
22	74	70	e72	e70	e96	81	84	93	76	63	69	76
23	78	66	e82	e73	e94	86	84	86	74	63	77	80
24	87	e58	e77	e70	94	87	76	86	77	61	74	84
25	81	e72	e70	e65	85	83	77	86	75	64	71	82
26	83	74	e68	e70	78	81	75	94	83	65	70	82
27	89	73	e68	e73	80	81	72	86	80	67	67	84
28	89	71	e73	e70	89	82	72	82	75	65	62	86
29	82	e70	e76	e73	95	81	68	80	77	64	63	91
30	82	e68	e72	e76	---	80	70	80	73	63	63	88
31	82	---	e78	e80	---	80	---	76	---	62	69	---
TOTAL	2249	2209	2222	2194	2551	2565	2456	2652	2226	2328	2197	2295
MEAN	72.5	73.6	71.7	70.8	88.0	82.7	81.9	85.5	74.2	75.1	70.9	76.5
MAX	93	81	85	84	98	92	88	97	83	124	100	91
MIN	61	58	57	62	72	76	68	71	64	61	58	64
AC-FT	4460	4380	4410	4350	5060	5090	4870	5260	4420	4620	4360	4550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

MEAN	143	110	119	121	130	123	182	320	226	152	132	131
MAX	378	243	372	362	336	238	360	1031	777	494	401	371
(WY)	1984	1984	1984	1984	1984	1984	1986	1984	1984	1984	1984	1984
MIN	72.5	71.0	67.8	68.5	68.2	77.3	81.9	85.5	74.2	75.1	70.8	76.5
(WY)	1992	1990	1990	1990	1990	1991	1992	1992	1992	1992	1988	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	32623		28144			
ANNUAL MEAN	89.4		76.9		158	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					76.9	1992
HIGHEST DAILY MEAN	228	Jun 5	124	Jul 16	1640	May 16 1984
LOWEST DAILY MEAN	57	Dec 1	57	Dec 1	35	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	64	Oct 5	61	Jul 30	57	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	64710		55820		114200	
10 PERCENT EXCEEDS	110		89		359	
50 PERCENT EXCEEDS	82		76		101	
90 PERCENT EXCEEDS	71		65		72	

e Estimated

09288395 STARVATION RESERVOIR NEAR DUCHESNE, UT

LOCATION.--Lat 40°11'27", long 110°26'33", in NW¼NE¼SW¼ sec. 27, T. 3 S., R. 5 W., Uinta special base and meridian, Duchesne County, Hydrologic Unit 14060004, 2.8 mi northwest of Duchesne.

DRAINAGE AREA.--1,058 mi².

PERIOD OF RECORD.--May 1989 to current year.

GAGE.--Water-stage recorder equipped with satellite transmission. Datum of gage is 5,624.8 ft above NGVD of 1929, (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by earthfill rock-faced dam; active storage began Oct. 13, 1969. Active capacity, 152,310 acre-ft at elevation 5,712.00 ft above mean sea level. Dead storage, 15,000 acre-ft between elevation 5,565.0 ft (streambed at dam axis) and 5,624.8 ft (top of dead storage). Figures given herein represent active contents. Water is used for irrigation, fish and wildlife propogation along Strawberry River, and municipal and industrial use in Duchesne County.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 142,800 acre-ft, Apr. 14, 1992, elevation, 5,709.07 ft; minimum contents, 59,220 acre-ft Sept. 27, 28, 1990, elevation 5,674.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 142,800 acre-ft, Apr. 14, elevation, 5,709.07 ft; minimum contents, 64,650 acre-ft Sept. 30, elevation 5,677.78 ft.

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

5,674	57,640	5,695	102,730
5,675	59,420	5,700	115,910
5,680	68,990	5,705	130,250
5,685	79,400	5,710	145,780
5,690	90,610		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85430	85070	97440	107600	117500	128000	139400	136100	120400	102600	90290	74290
2	85270	85530	97670	108000	117800	128400	139700	135500	120000	102100	89680	73960
3	85070	85930	98020	108300	118100	128800	140000	134900	119400	101600	89070	73640
4	84790	86310	98390	108500	118500	129200	140400	134400	118800	101200	88440	73340
5	84580	86760	98770	108900	118800	129600	140700	133800	118200	100700	87830	73060
6	84400	87160	99150	109300	119100	130000	141100	133200	117600	100100	87260	72770
7	84230	87530	99530	109700	119500	130400	141300	132600	117000	99610	86800	72460
8	84090	87970	99960	110100	119800	130800	141600	132000	116400	99280	86550	72140
9	83930	88410	100300	110400	120200	131300	141900	131400	115900	98940	86110	71820
10	83780	88840	100600	110700	120600	131600	142200	130800	115300	98560	85600	71470
11	83630	89270	101000	111000	120900	132000	142400	130200	114700	98210	85070	71130
12	83460	89680	101400	111200	121300	132300	142600	129600	114200	97960	84510	70800
13	83290	90080	101700	111600	121700	132700	142700	129100	113500	97650	83930	70430
14	83090	90500	102000	111800	122100	133100	142800	128500	112900	97420	83360	70080
15	82950	91020	102300	112100	122400	133500	142700	127900	112200	97160	82840	69740
16	82820	91510	102600	112500	122800	133900	142600	127300	111500	96940	82310	69430
17	82730	91960	102900	112800	123200	134300	142400	126700	110900	96700	81780	69230
18	82630	92470	103300	113100	123500	134500	142100	126100	110300	96430	81240	68760
19	82540	92880	103700	113300	123800	134800	141800	125400	109600	96160	80660	68420
20	82510	93280	104100	113600	124100	135200	141400	124900	109000	95830	80050	68110
21	82470	93700	104400	113900	124600	135500	141000	124400	108300	95450	79430	67750
22	82450	94100	104700	114100	125000	135900	140600	123900	107600	95010	78820	67420
23	82500	94420	105000	114400	125400	136300	140100	123500	107000	94770	78320	67100
24	82630	94740	105400	114800	125700	136700	139500	e123200	106300	94450	77840	66760
25	82780	95160	105700	115100	126100	137000	139000	e123000	105900	93990	77360	66390
26	82990	95600	106000	115400	126400	137400	138500	e122700	105300	93570	76820	66010
27	83270	96030	106200	115800	126800	137800	138000	e122400	104700	93140	76350	65670
28	83580	96430	106500	116100	127200	138100	137500	e122200	104200	92660	75910	65340
29	83890	96810	106700	116500	127600	138400	137000	121600	103600	92130	75470	65050
30	84280	97160	107000	116800	---	138700	136500	121300	103100	91520	75050	64780
31	84640	---	107300	117100	---	139000	---	120900	---	90910	74630	---
MAX	85430	97160	107300	117100	127600	139000	142800	136100	120400	102600	90290	74290
MIN	82450	85070	97440	107600	117500	128000	136500	120900	103100	90910	74630	64780
(#)	5687.4	5692.8	5696.8	5700.4	5704.1	5707.9	5707.0	5701.8	5695.2	5690.1	5682.8	5677.8
(*)	-890	+12520	+10140	+9800	+10500	+11400	-2500	-15600	-17800	-12190	-16280	-9850

CAL YR 1991 . . . . . (*) +20750
WTR YR 1992 . . . . . (*) -20750

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
(e) Estimated

09288400 STRAWBERRY RIVER BELOW STARVATION RESERVOIR NEAR DUCHESNE, UT

LOCATION.--Lat 40°10'26", long 110°25'44", in SW¼NE¼SE¼ of sec. 34, T. 3 S., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060004, on right bank, 1.4 mi downstream of Starvation Dam and 1.6 mi northwest of Duchesne.

DRAINAGE AREA.--1,059 mi².

PERIOD OF RECORD.--June 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,540 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Starvation Reservoir (see station 09288395).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 496 ft³/s on June 1, 1990, gage height 6.93 ft; minimum daily discharge 10 ft³/s several days during January and February, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 453 ft³/s May 19, gage height 7.06 ft; minimum daily discharge, 14 ft³/s, several days during January and April.

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	164	20	16	e15	19	21	15	363	306	334	366	238
2	166	18	16	15	19	21	15	367	350	333	389	239
3	171	18	16	15	19	21	15	376	370	335	389	247
4	175	18	17	15	19	20	15	401	356	337	380	249
5	174	19	17	15	e19	19	15	402	362	334	373	240
6	174	18	17	16	e19	17	14	402	375	345	362	232
7	174	18	17	15	e19	17	15	402	393	350	348	230
8	174	18	17	15	e19	17	15	401	392	296	324	226
9	174	18	17	15	e19	17	15	401	394	280	327	225
10	173	17	17	14	20	17	15	402	397	272	335	222
11	172	18	17	14	20	17	15	399	396	268	348	222
12	170	18	17	15	20	17	20	391	405	261	361	221
13	170	18	17	e15	20	18	88	390	411	233	360	222
14	170	17	17	e15	20	18	116	407	411	215	361	223
15	171	16	17	14	20	18	243	407	429	214	362	219
16	171	16	17	e15	20	18	289	409	429	216	361	219
17	170	16	17	15	20	18	295	407	434	217	363	229
18	170	16	17	e15	20	17	305	420	433	219	365	228
19	170	16	17	e15	20	17	306	439	426	222	370	226
20	168	16	16	e14	20	17	307	436	416	236	385	217
21	168	16	15	e14	20	17	307	414	416	263	384	213
22	155	16	15	e15	20	16	306	373	419	251	383	213
23	133	16	15	e15	20	16	316	351	429	155	348	212
24	125	16	15	16	20	16	341	334	426	272	323	219
25	120	16	15	15	20	16	356	326	428	292	310	221
26	114	16	15	16	20	16	357	317	421	293	301	222
27	105	16	15	15	20	16	360	315	412	305	280	224
28	74	16	15	17	21	16	361	319	413	321	275	218
29	62	16	15	19	21	16	364	312	364	336	275	211
30	54	16	15	19	---	16	364	305	337	349	274	208
31	40	---	15	19	---	15	---	306	---	360	259	---
TOTAL	4571	509	501	477	573	538	5565	11694	11950	8714	10641	6735
MEAN	147	17.0	16.2	15.4	19.8	17.4	185	377	398	281	343	224
MAX	175	20	17	19	21	21	364	439	434	360	389	249
MIN	40	16	15	14	19	15	14	305	306	155	259	208
AC-FT	9070	1010	994	946	1140	1070	11040	23200	23700	17280	21110	13360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	95.6	17.2	15.7	13.2	15.2	16.6	148	347	312	354	320	221
MAX	147	19.0	16.2	15.4	19.8	19.5	185	404	398	402	343	246
(WY)	1992	1991	1992	1992	1992	1991	1992	1990	1992	1991	1992	1990
MIN	65.9	15.7	14.9	11.4	11.6	13.0	97.0	259	195	281	301	194
(WY)	1990	1990	1990	1990	1990	1990	1991	1991	1991	1992	1990	1991

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	51872		62468			
ANNUAL MEAN	142		171		157	
HIGHEST ANNUAL MEAN					171	1992
LOWEST ANNUAL MEAN					136	1991
HIGHEST DAILY MEAN	437	Jun 27	439	May 19	472	Jun 1 1990
LOWEST DAILY MEAN	11	Jan 14	14	Jan 10	10	Jan 4 1990
ANNUAL SEVEN-DAY MINIMUM	12	Jan 8	15	Jan 9	10	Jan 1 1990
ANNUAL RUNOFF (AC-FT)	102900		123900		113800	
10 PERCENT EXCEEDS	371		393		396	
50 PERCENT EXCEEDS	54		170		85	
90 PERCENT EXCEEDS	13		15		13	

e Estimated

09289500 LAKE FORK RIVER ABOVE MOON LAKE, NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°36'24", long 110°31'35", in SW¼SE¼SE¼ sec. 35, T. 3 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft upstream from head of Moon Lake at maximum stage, 2 mi upstream from Brown Duck Creek, 16 mi northeast of Mountain Home.

DRAINAGE AREA.--77.9 mi².

PERIOD OF RECORD.--April 1933 to September 1934 (published as West Fork of Lake Fork above Moon Lake, near Mountain Home); July 1942 to September 1955; October 1963 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,180 ft above NGVD of 1929, from topographic map. April 1933 to September 1934, at site 2.5 mi upstream at different datum. July 13, 1942 to Oct. 1, 1984, at datum 1.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 ft³/s June 26, 1944, gage height, 5.27 ft, datum then in use, from rating curve extended above 700 ft³/s; minimum daily recorded, 13 ft³/s Apr. 14, 1933.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 20	0300	*899	*4.79				

Minimum daily discharge, 20 ft³/s, Dec. 1.

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	71	57	e20	e25	e27	e27	e26	e225	279	133	56	51
2	67	53	e26	e25	e27	e27	e26	e210	304	132	56	44
3	67	53	e23	e26	e27	e26	e28	e205	327	117	58	40
4	63	53	e23	e26	e27	e26	e29	e211	290	107	58	49
5	62	50	e23	e26	e27	e26	e30	e205	251	100	57	49
6	61	45	e24	e29	e27	e27	e29	e200	236	94	67	42
7	61	41	e24	e28	e27	e27	e28	e210	234	99	72	40
8	61	38	e24	e26	e28	e26	e29	e210	212	98	81	38
9	58	39	e24	e25	e28	e25	e29	e220	218	91	66	36
10	56	43	e24	e25	e27	e25	e28	e200	214	85	62	35
11	55	40	e24	e25	e27	e26	e28	e210	207	87	59	35
12	55	39	e24	e25	e28	e28	26	e240	203	139	58	35
13	54	39	e25	e25	e29	e29	26	e270	204	107	55	37
14	51	40	e25	e27	e30	e29	28	307	163	90	55	34
15	50	41	e24	e26	e30	e29	29	311	168	85	54	33
16	50	40	e23	e25	e28	e28	30	330	158	81	54	32
17	49	38	e24	e24	e28	e27	30	369	139	77	55	33
18	48	39	e24	e25	e28	e27	30	371	143	76	52	32
19	47	40	e25	e23	e27	e27	27	441	143	74	49	32
20	47	e40	e23	e21	e27	e25	25	694	141	72	49	31
21	47	e32	e24	e23	e27	e27	26	452	137	72	49	32
22	47	e26	e25	e25	e27	e24	26	361	133	68	52	31
23	50	e24	e25	e27	e27	e25	23	339	137	67	58	31
24	46	e24	e24	e28	e29	e25	23	374	142	66	50	37
25	47	e25	e24	e28	e29	e26	25	493	144	69	47	34
26	49	e28	e25	e27	e29	e26	28	550	152	71	45	33
27	51	e25	e25	e26	e29	e26	e70	468	131	64	44	32
28	48	e25	e25	e25	e28	e26	e150	360	124	63	43	31
29	47	e24	e25	e26	e27	e26	e200	332	123	62	40	31
30	52	e24	e25	e26	---	e27	e233	282	138	59	40	31
31	60	---	e25	e27	---	e26	---	281	---	57	44	---
TOTAL	1677	1125	748	795	806	821	1365	9931	5595	2662	1685	1081
MEAN	54.1	37.5	24.1	25.6	27.8	26.5	45.5	320	186	85.9	54.4	36.0
MAX	71	57	26	29	30	29	233	694	327	139	81	51
MIN	46	24	20	21	27	24	23	200	123	57	40	31
AC-FT	3330	2230	1480	1580	1600	1630	2710	19700	11100	5280	3340	2140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	52.6	39.4	31.3	26.7	24.6	24.7	41.5	238	511	208	95.4	67.4
MAX	142	80.1	61.3	40.1	39.5	46.5	89.5	578	917	598	212	137
(WY)	1983	1983	1983	1983	1988	1988	1969	1969	1968	1965	1965	1965
MIN	26.3	22.9	17.5	15.2	15.0	15.0	21.7	65.9	186	65.2	46.5	32.1
(WY)	1989	1980	1977	1977	1977	1977	1975	1977	1992	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	38242		28291			
ANNUAL MEAN	105		77.3		113	
HIGHEST ANNUAL MEAN					169	1983
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	1490	Jun 14	694	May 20	1710	Jun 11 1990
LOWEST DAILY MEAN	18	Mar 6	20	Dec 1	12	Feb 6 1989
ANNUAL SEVEN-DAY MINIMUM	19	Mar 11	23	Nov 29	14	Feb 4 1989
ANNUAL RUNOFF (AC-FT)	75850		56120		82220	
10 PERCENT EXCEEDS	208		210		290	
50 PERCENT EXCEEDS	41		38		43	
90 PERCENT EXCEEDS	20		25		22	

e Estimated

09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'43", long 110°29'21", in NW¼NE¼NE¼ sec. 19, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, at dam on Lake Fork River, 1.4 mi downstream from Brown Duck Creek, 10.5 mi upstream from Yellowstone River, and 12.5 mi northwest of Mountain Home.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--December 1937 to current year.

REVISED RECORDS.--WDR UT-77-1: 1975.

GAGE.--Nonrecording gage read once daily on days shown. Datum of gage is 8064.16 ft above NGVD of 1929, (levels by Bureau of Reclamation).

REMARKS.--Reservoir formed by earthfill, rock-faced dam with concrete core. Storage began Dec. 9, 1937. Capacity, 35,760 acre-ft between elevations 8,072.00 ft, crest of original outlet of lake, about 2,000 ft upstream from dam, and 8,137.00 ft, top of spillway gates. Elevation of spillway crest is 8,121.00 ft and elevation of sill of outlet works is 8,064.16 ft. Dead storage between sill of outlet and crest of original outlet of lake, 2,050 acre-ft. Total dead storage, 13,740 acre-ft. Figures given herein represent usable contents. Water is used for irrigation on lands under Moon Lake Water Users Association and Uintah Indian Irrigation projects.

COOPERATION.--Capacity table provided by Bureau of Reclamation. Gage heights furnished by Moon Lake Water Users Association.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 37,560 acre-ft July 10, 11, 1950; elevation, 8,139.30 ft; minimum observed, 226 acre-ft Sept. 30, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 29,180 acre-ft June 1, elevation, 8,128.2 ft; minimum contents observed, 1,570 acre-ft Aug. 3, elevation, 8,077.3 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct. 31	--	*13,820	+2,300
Nov. 30	--	*16,590	+2,770
Dec. 31	--	*18,900	+2,310
CAL YR 1991	--	--	+6,130
Jan. 31	--	*20,720	+1,820
Feb. 29	--	*22,610	+1,890
Mar. 31	--	*24,010	+1,400
Apr. 30	8,124.0	26,200	+2,190
May 31	--	*29,100	+2,900
June 30	--	*16,830	-12,270
July 31	--	*2,530	-14,300
Aug. 31	--	*1,800	-730
Sept. 30	--	*4,040	+2,240
WTR YR 1992	--	--	-7,480

* No gage reading, contents interpolated.
Readings normally made on the first of each month.

09291000 LAKE FORK RIVER BELOW MOON LAKE, NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'23", long 110°29'02", in SW¼SW¼NW¼ sec. 20, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft downstream from Moon Lake Dam, 2 mi downstream from Brown Duck Creek, and 12 mi northwest of Mountain Home.

DRAINAGE AREA.--112 mi².

PERIOD OF RECORD.--September 1921 to September 1934 (fragmentary), April 1942 to current year. Published as West Fork of Lake Fork near Mountain Home 1921-34, and as Lake Fork below Moon Lake, near Mountain Home 1942-65.

REVISED RECORDS.--WSP 1313: 1930 (M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,970 ft above NGVD of 1929 by barometer. Prior to April 1942, at damsite 2,000 ft upstream at different datum.

REMARKS.--Records good. Flow regulated by Moon Lake Reservoir (see station 09290500). No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,180 ft³/s June 19, 1949 (gage height, 4.83 ft), from rating curve extended above 860 ft³/s; maximum gage height, 5.46 ft June 26, 1944; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 552 ft³/s June 20, gage height, 3.13 ft; no flow many days.

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	.00	.00	.00	.00	.00	412	184	434	300	.00
2	.00	.00	.00	.00	.00	.00	.00	404	202	435	292	.00
3	.00	.00	.00	.00	.00	.00	.00	401	217	431	278	.00
4	.00	.00	.00	.00	.00	.00	.00	383	213	444	175	.00
5	.00	.00	.00	.00	.00	.00	.00	349	203	444	121	.00
6	.00	.00	.00	.00	.00	.00	.00	350	213	439	96	.00
7	.00	.00	.00	.00	.00	.00	.00	313	224	428	84	.00
8	.00	.00	.00	.00	.00	.00	.00	268	260	337	81	.00
9	.00	.00	.00	.00	.00	.00	.00	258	310	301	77	.00
10	.00	.00	.00	.00	.00	.00	.00	301	358	208	67	.00
11	.00	.00	.00	.00	.00	.00	.00	331	353	185	69	.00
12	.00	.00	.00	.00	.00	.00	.00	354	378	185	64	.00
13	26	.00	.00	.00	.00	.00	.00	306	393	185	62	.00
14	146	.00	.00	.00	.00	.00	.00	285	394	185	60	.00
15	146	.00	.00	.00	.00	.00	.00	229	434	184	59	.00
16	113	.00	.00	.00	.00	.00	.00	186	459	184	58	.00
17	.00	.00	.00	.00	.00	.00	.00	186	459	183	57	.00
18	.00	.00	.00	.00	.00	.00	.00	186	479	182	57	.00
19	.00	.00	.00	.00	.00	.00	.00	187	496	182	56	.00
20	.00	.00	.00	.00	.00	.00	.00	168	514	181	55	.00
21	.00	.00	.00	.00	.00	.00	.00	132	506	201	34	.00
22	.00	.00	.00	.00	.00	.00	.00	144	500	234	.32	.00
23	.00	.00	.00	.00	.00	.00	.00	144	497	252	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	145	493	318	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	145	473	313	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	146	448	303	.00	.00
27	.00	.00	.00	.00	.00	.00	66	147	428	300	.00	.00
28	.00	.00	.00	.00	.00	.00	150	148	426	294	.00	.00
29	.00	.00	.00	.00	.00	.00	199	148	423	290	.00	.00
30	.00	.00	.00	.00	---	.00	256	149	422	300	.00	.00
31	.00	---	.00	.00	---	.00	---	163	---	307	.00	---
TOTAL	431.00	0.00	0.00	0.00	0.00	0.00	671.00	7468	11359	8849	2202.32	0.00
MEAN	13.9	.000	.000	.000	.000	.000	22.4	241	379	285	71.0	.000
MAX	146	.00	.00	.00	.00	.00	256	412	514	444	300	.00
MIN	.00	.00	.00	.00	.00	.00	.00	132	184	181	.00	.00
AC-FT	855	.00	.00	.00	.00	.00	1330	14810	22530	17550	4370	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

MEAN	52.1	8.01	1.07	1.59	2.49	3.32	49.5	297	353	350	252	141
MAX	202	120	17.3	28.2	44.4	72.3	202	555	920	584	410	326
(WY)	1983	1966	1984	1984	1966	1966	1943	1969	1983	1965	1944	1984
MIN	.000	.000	.000	.000	.000	.000	.000	130	144	155	35.6	.000
(WY)	1991	1948	1943	1943	1943	1943	1944	1977	1945	1961	1989	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	36687.00		30980.32			
ANNUAL MEAN	101		84.6		127	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					60.9	1977
HIGHEST DAILY MEAN	448	Jul 22	514	Jun 20	2000	Jun 19 1949
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 15 1942
ANNUAL RUNOFF (AC-FT)	72770		61450		91790	
10 PERCENT EXCEEDS	300		333		362	
50 PERCENT EXCEEDS	.00		.00		20	
90 PERCENT EXCEEDS	.00		.00		.00	

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT

LOCATION.--Lat 40°30'43", long 110°20'27", in $SW^1/_4SW^1/_4NE^1/_4$ sec. 4, T. 1 N., R. 4 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 1.5 mi downstream from powerplant of Moon Lake Electric Association, Inc., 2 mi downstream from Hell Canyon, 8.2 mi northwest of Altonah.

DRAINAGE AREA.--132 mi^2.

PERIOD OF RECORD.--October 1944 to current year. Prior to October 1965, published as Yellowstone Creek near Altonah.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,430 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,360 ft^3/s June 11, 1990, gage height, 4.93 ft from rating curve extended above 1,000 ft^3/s on basis of slope-area measurement of peak flow; minimum daily, 25 ft^3/s Nov. 28, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	--	*304	maximum daily				

Minimum daily discharge, 45 ft^3/s Apr. 2.

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	124	e78	e51	e61	e58	e54	e46	167	205	154	93	71
2	118	77	e53	e60	e58	e54	e45	154	216	152	81	66
3	113	73	e54	e61	e57	e50	47	153	233	141	80	62
4	109	e74	e56	e62	e57	e48	49	165	215	131	86	73
5	106	75	e57	e61	e58	e50	50	201	201	125	83	82
6	105	76	e57	e58	e58	e51	54	208	192	122	94	69
7	101	76	e58	e58	e60	e53	49	215	201	129	103	66
8	99	72	e58	e58	e61	e50	50	210	196	133	103	62
9	99	71	e58	e59	e62	e50	50	198	179	123	102	60
10	99	70	e58	e59	e62	e50	52	162	184	116	102	61
11	97	67	e58	e56	e62	e50	55	161	181	112	91	61
12	95	64	e58	e54	e62	e50	58	e180	170	140	81	59
13	94	67	e58	e54	e62	e52	58	e220	180	125	76	59
14	91	69	e58	e55	e67	e56	59	e290	154	110	74	59
15	87	71	e58	e57	e60	e56	62	e280	147	105	73	58
16	86	69	e56	e56	e56	e52	68	e270	152	103	70	58
17	85	65	e56	e56	e52	e47	66	e260	138	97	74	61
18	82	71	e56	e56	e52	e47	66	e260	133	93	72	60
19	81	64	e58	e54	e53	e50	63	e270	136	93	67	59
20	82	65	e58	e52	e56	e47	61	e290	137	94	65	59
21	81	70	e58	e49	e52	e49	59	283	133	95	64	56
22	81	e70	e58	e50	e52	e46	59	256	128	89	67	56
23	85	e63	e58	e52	e53	e48	56	240	136	88	73	57
24	82	e59	e57	e54	e54	e48	54	258	140	83	68	56
25	81	e55	e56	e54	e56	e48	56	287	149	91	63	57
26	81	e56	e56	e55	e59	e49	58	304	167	103	61	56
27	86	e58	e57	e56	e56	e49	66	295	180	90	58	55
28	84	e56	e58	e58	e55	e49	84	252	174	72	55	54
29	79	e53	e58	e58	e55	e50	107	241	171	68	54	48
30	79	e52	e59	e58	---	e50	144	220	165	67	54	55
31	79	---	e60	e58	---	e49	---	212	---	114	61	---
TOTAL	2851	2006	1769	1749	1665	1552	1851	7162	5093	3358	2348	1815
MEAN	92.0	66.9	57.1	56.4	57.4	50.1	61.7	231	170	108	75.7	60.5
MAX	124	78	60	62	67	56	144	304	233	154	103	82
MIN	79	52	51	49	52	46	45	153	128	67	54	48
AC-FT	5650	3980	3510	3470	3300	3080	3670	14210	10100	6660	4660	3600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1992, BY WATER YEAR (WY)

MEAN	90.0	70.1	58.7	50.3	47.3	47.6	63.9	245	486	233	149	116
MAX	213	122	95.6	72.0	62.5	78.8	127	599	1011	744	366	219
(WY)	1983	1983	1983	1984	1983	1986	1969	1969	1983	1965	1965	1965
MIN	54.6	43.8	38.6	26.5	29.9	31.0	41.1	72.0	161	101	75.7	60.5
(WY)	1989	1990	1979	1979	1977	1977	1970	1977	1954	1961	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1945 - 1992	
ANNUAL TOTAL	49785		33219			
ANNUAL MEAN	136		90.8		138	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	950	Jun 14	304	May 26	1800	Jun 19 1983
LOWEST DAILY MEAN	36	May 4	45	Apr 2	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	38	Apr 29	48	Mar 17	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	98750		65890		100100	
10 PERCENT EXCEEDS	292		180		309	
50 PERCENT EXCEEDS	70		63		74	
90 PERCENT EXCEEDS	42		52		44	

e Estimated

09295000 DUCHESNE RIVER AT MYTON, UT

LOCATION.--Lat 40°12'01", long 110°03'47", in NE¼NW¼NW¼ sec. 25, T. 3 S., R. 2 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at Myton, 3 mi downstream from Lake Fork.

DRAINAGE AREA.--2,643 mi².

PERIOD OF RECORD.--October 1899 to December 1902, April to December 1903, March to December 1904, March to July and September to November 1905, April to July 1906, April to December 1907, March to December 1908, April to December 1909, March to November 1910, July 1911 to current year. Published as "at Price road bridge" 1899-1902.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,061.40 ft above NGVD of 1929. Prior to Oct. 14, 1933, non-recording gages at several sites within 0.5 mi of present site at various datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobble Creek ditch, and Strawberry River and Willow Creek ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 12,800 ft³/s June 10, 1922, gage height, 7.94 ft site and datum then in use, from rating curve extended above 8,000 ft³/s; minimum, less than 1 ft³/s July 16, 1931, and for several days in August and September 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 173 ft³/s July 8, gage height, 2.36 ft; minimum daily, 3.1 ft³/s Apr. 10.

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	32	35	e27	e93	e96	e102	53	29	42	29	43	35
2	28	28	e36	e105	e102	e103	41	30	46	28	44	26
3	28	22	e41	e98	e115	e98	37	39	60	30	44	22
4	26	21	e44	e90	e130	e94	33	38	68	33	36	20
5	30	21	e47	e84	e115	e90	34	33	52	37	34	28
6	29	25	e50	e120	e105	e92	26	28	44	38	39	33
7	32	73	e58	e100	e102	93	7.3	32	49	34	38	29
8	29	35	e71	e90	e112	94	3.2	48	42	137	66	18
9	29	33	e63	e85	e117	96	3.2	39	40	116	40	16
10	32	32	e61	e80	e119	83	3.1	48	34	57	e33	18
11	35	32	e66	e90	e120	77	3.7	45	31	51	e30	22
12	35	30	e63	e84	e130	76	8.9	44	43	60	e28	24
13	34	30	e61	e96	e125	72	10	42	48	63	e25	26
14	31	29	e59	e130	e120	69	10	38	57	47	e22	28
15	27	32	e56	e100	e119	69	37	37	61	35	e24	26
16	25	33	e55	e110	e105	67	28	36	59	32	e25	21
17	26	31	e57	e93	e97	64	18	34	46	29	e24	31
18	30	35	e74	e86	e90	61	16	38	45	30	24	35
19	29	34	e66	e77	e96	56	17	45	46	37	23	31
20	35	48	e60	e74	e96	55	20	71	44	38	22	34
21	36	51	e64	e90	e96	55	17	79	43	35	23	32
22	32	50	e68	e96	e96	60	20	86	42	31	26	28
23	27	42	e68	e96	e96	62	25	76	42	39	28	28
24	30	45	e64	e100	e85	62	34	63	42	45	30	29
25	24	50	e67	e120	e94	58	35	50	44	47	28	27
26	22	46	e72	e110	e90	54	31	57	39	42	28	34
27	18	48	e80	e100	e96	53	36	82	38	44	28	34
28	33	51	e90	e95	e96	57	36	47	36	40	21	29
29	35	50	e89	e100	e100	55	29	38	34	40	20	35
30	32	43	e95	e105	---	55	30	42	34	46	27	23
31	32	---	e88	e110	---	55	---	44	---	38	29	---
TOTAL	923	1135	1960	3007	3060	2237	702.4	1458	1351	1408	952	822
MEAN	29.8	37.8	63.2	97.0	106	72.2	23.4	47.0	45.0	45.4	30.7	27.4
MAX	36	73	95	130	130	103	53	86	68	137	66	35
MIN	18	21	27	74	85	53	3.1	28	31	28	20	16
AC-FT	1830	2250	3890	5960	6070	4440	1390	2890	2680	2790	1890	1630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1992, BY WATER YEAR (WY)

MEAN	238	292	310	298	322	368	392	1130	1718	425	173	185
MAX	1031	1055	1037	982	715	878	1293	4185	6356	2372	695	1597
(WY)	1984	1984	1984	1984	1984	1916	1952	1952	1922	1917	1921	1927
MIN	4.81	32.6	34.3	62.3	79.3	56.0	9.43	42.7	17.8	5.01	5.13	1.37
(WY)	1935	1991	1971	1991	1990	1990	1961	1977	1934	1961	1940	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1912 - 1992	
ANNUAL TOTAL	21323.6		19015.4			
ANNUAL MEAN	58.4		52.0		487	
HIGHEST ANNUAL MEAN					1318	1922
LOWEST ANNUAL MEAN					52.0	1992
HIGHEST DAILY MEAN	432	Jun 12	137	Jul 8	9690	Jun 20 1917
LOWEST DAILY MEAN	3.7	Apr 9	3.1	Apr 10	1.0	Jul 11 1931
ANNUAL SEVEN-DAY MINIMUM	5.1	Apr 12	5.6	Apr 7	1.0	Jul 11 1931
ANNUAL RUNOFF (AC-FT)	42300		37720		352900	
10 PERCENT EXCEEDS	95		96		1030	
50 PERCENT EXCEEDS	51		42		293	
90 PERCENT EXCEEDS	26		24		33	

e Estimated

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in NW¼NW¼NE¼ sec. 9, T. 2 N., R. 2 W., Uinta Meridian, Duchesne County. Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 100 ft downstream from National Forest boundary, 4.7 mi upstream of Moon Lake Electric Association Inc. hydroelectric powerplant, and 11.5 mi northwest of Neola, Ut.

DRAINAGE AREA.--157 mi².

PERIOD OF RECORD.--October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,330 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated discharges, which are poor. Flow regulated by Moon Lake Electric powerplant canal diversion about 0.75 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,340 ft³/s June 11, 1991, gage height, 7.10 ft; minimum daily discharge, 11 ft³/s Jan. 8, 19, 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 413 ft³/s May 20, gage height, 6.56 ft; minimum daily discharge, 11 ft³/s, Jan. 8, 19, 20.

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	174	85	e16	e13	e14	e21	19	205	204	168	77	74
2	170	80	e15	e13	e14	e21	21	195	207	161	73	60
3	165	e82	e15	e12	e15	e21	22	195	223	155	73	52
4	153	83	e15	e12	e16	e21	23	233	213	149	70	79
5	148	74	e16	e13	e16	e21	24	264	198	144	68	98
6	148	70	e17	e14	e16	24	24	272	185	142	81	74
7	132	61	e18	e13	e15	24	22	257	187	147	85	63
8	119	54	e17	e11	e14	24	22	245	212	151	87	56
9	116	54	e15	e12	e14	23	22	235	197	146	74	51
10	93	55	e14	e12	e14	23	25	206	193	141	68	46
11	93	44	e14	e12	e15	24	27	202	198	138	67	45
12	92	29	e14	e12	e15	25	32	221	193	162	61	45
13	90	29	e14	e12	e16	25	33	272	194	146	62	44
14	94	34	e13	e12	e17	26	36	281	180	131	57	39
15	93	35	e13	e13	e16	25	34	288	178	131	52	37
16	87	34	e13	e12	e16	23	36	275	179	137	50	37
17	90	30	e13	e12	e16	21	38	292	172	139	70	41
18	104	34	e13	e12	e16	19	38	286	173	132	63	38
19	104	27	e13	e11	e15	19	36	316	172	135	53	35
20	99	26	e13	e11	e15	24	31	353	177	127	51	35
21	95	28	e13	e12	e14	20	29	326	180	125	50	33
22	93	e27	e13	e12	e15	18	30	311	180	119	55	76
23	99	e25	e13	e12	e16	20	27	285	183	114	69	99
24	89	e26	e12	e13	e17	18	26	297	178	106	91	101
25	84	26	e12	e13	e18	18	31	321	177	110	59	101
26	87	23	e12	e13	e20	19	35	329	185	119	53	99
27	90	21	e13	e13	e19	19	55	316	185	103	49	98
28	87	21	e13	e13	e20	20	100	269	178	98	47	98
29	80	20	e13	e13	e21	21	129	258	180	91	43	64
30	82	e17	e13	e13	---	21	174	237	176	87	40	24
31	81	---	e13	e13	---	20	---	221	---	81	53	---
TOTAL	3331	1254	431	384	465	668	1201	8263	5637	4035	1951	1842
MEAN	107	41.8	13.9	12.4	16.0	21.5	40.0	267	188	130	62.9	61.4
MAX	174	85	18	14	21	26	174	353	223	168	91	101
MIN	80	17	12	11	14	18	19	195	172	81	40	24
AC-FT	6610	2490	855	762	922	1320	2380	16390	11180	8000	3870	3650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	67.8	29.8	15.7	23.8	27.1	25.1	41.9	211	422	199	157	158
MAX	107	41.8	17.5	35.2	38.5	28.7	43.7	267	657	267	252	254
(WY)	1992	1992	1991	1991	1991	1991	1991	1992	1991	1991	1991	1991
MIN	28.2	17.8	13.9	12.4	16.0	21.5	40.0	155	188	130	62.9	61.4
(WY)	1991	1991	1992	1992	1992	1992	1992	1991	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1991 - 1992	
ANNUAL TOTAL	57617		29462			
ANNUAL MEAN	158		80.5		115	
HIGHEST ANNUAL MEAN					149	1991
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	1100	Jun 9	353	May 20	1100	Jun 9 1991
LOWEST DAILY MEAN	12	Dec 24	11	Jan 8	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	13	Dec 20	12	Jan 16	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	114300		58440		83260	
10 PERCENT EXCEEDS	323		197		288	
50 PERCENT EXCEEDS	68		46		41	
90 PERCENT EXCEEDS	21		13		15	

e Estimated

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'13", long 109°55'37", in SE¼NE¼NW¼ sec. 7, T. 2 N., R. 1 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, on right bank, 3.2 mi upstream from U.S. Forest Boundary, and 9.6 mi northeast of Whiterocks.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--September 1899 to December 1903, April to December 1907, March 1908 to November 1910, October 1913 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as Whiterocks River in Canyon, 1899, and as Whiterocks Creek near Whiterocks, 1918-25. November 1917 to June 1921 United States Whiterocks Canal diverted above station (records equivalent if flow of Whiterocks Canal is included).

GAGE.--Water-stage recorder. Elevation of gage is 7,160 ft above NGVD of 1929, from topographic map. Prior to Oct. 16, 1930, nonrecording gages at several sites within 2 mi of present site at various datums. Oct. 16, 1930 to Nov. 26, 1984, water-stage recorder at various sites and datums about 3 mi downstream.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow slightly regulated by small mountain lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft³/s, June 22, 1983, gage height, 5.28 ft, from rating curve extended above 2,000 ft³/s, site and datum then in use; minimum recorded, 9.2 ft³/s Apr. 3, 1977, site and datum then in use. Minimum discharge at present site and datum, 4.9 ft³/s Mar. 30, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 21	2330	*344	*3.89				

Minimum discharge, 10 ft³/s, Mar. 20.

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	91	e43	e18	e23	e25	24	23	199	178	166	91	75
2	86	e40	e18	e23	e25	24	24	178	166	167	87	68
3	82	e41	e19	e24	e25	23	25	159	162	158	70	69
4	76	e41	e20	e24	e25	22	26	173	158	147	68	75
5	73	41	e21	e25	e25	23	28	189	153	140	67	99
6	72	40	e22	e25	e25	24	26	175	147	136	69	86
7	69	40	e22	e25	e25	25	26	177	158	131	79	81
8	67	37	e22	e25	e25	23	28	194	184	133	76	77
9	63	38	e22	e23	e26	23	28	195	177	131	74	75
10	62	39	e22	e23	e26	23	30	163	160	124	71	72
11	62	36	e22	e21	e26	23	31	186	157	118	70	72
12	62	34	e22	e22	e26	23	34	193	157	129	67	72
13	62	34	e22	e22	e26	23	38	226	145	121	65	71
14	58	34	e22	e23	e28	27	41	233	140	113	64	69
15	55	33	e22	e24	e23	27	43	224	145	115	63	67
16	53	34	e22	e23	e23	25	42	213	164	110	74	67
17	53	e31	e22	e22	e23	24	43	208	151	104	74	69
18	52	e29	e22	e21	e25	21	43	201	142	96	79	68
19	51	e27	e22	e21	e23	23	43	213	134	94	74	67
20	51	e24	e22	e19	e23	21	42	291	136	91	69	67
21	49	e21	e22	e18	e23	23	42	287	183	95	68	64
22	47	e19	e23	e19	e23	19	45	283	180	103	72	64
23	49	e19	e23	e20	e24	22	43	235	176	104	82	62
24	48	e20	e22	e22	e25	22	45	221	174	103	82	63
25	45	e20	e22	e23	e26	22	51	226	174	103	75	62
26	48	e21	e22	e23	e27	23	59	221	189	108	71	61
27	50	e21	e23	e23	24	23	80	243	177	104	68	60
28	48	e20	e23	e24	25	24	119	210	178	101	67	59
29	46	e18	e23	e25	25	24	157	203	189	99	64	59
30	47	e17	e23	e25	---	25	184	200	170	95	63	59
31	e46	---	e23	e25	---	23	---	194	---	92	63	---
TOTAL	1823	912	675	705	720	721	1489	6513	4904	3631	2226	2079
MEAN	58.8	30.4	21.8	22.7	24.8	23.3	49.6	210	163	117	71.8	69.3
MAX	91	43	23	25	28	27	184	291	189	167	91	99
MIN	45	17	18	18	23	19	23	159	134	91	63	59
AC-FT	3620	1810	1340	1400	1430	1430	2950	12920	9730	7200	4420	4120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1992, BY WATER YEAR (WY)

MEAN	67.4	45.0	34.7	29.5	27.2	27.7	49.0	280	391	176	125	91.4
MAX	155	93.0	58.7	47.2	37.8	41.0	118	584	1178	535	238	190
(WY)	1939	1939	1942	1930	1930	1986	1962	1937	1983	1975	1984	1961
MIN	34.8	28.6	19.3	17.7	17.0	17.8	22.9	74.8	50.1	22.4	41.7	42.8
(WY)	1989	1978	1991	1991	1977	1961	1975	1957	1934	1934	1940	1933

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	35582		26398			
ANNUAL MEAN	97.5		72.1		112	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					42.0	1934
HIGHEST DAILY MEAN	696	Jun 6	291	May 20	2300	Jun 22 1983
LOWEST DAILY MEAN	14	Jan 21	17	Nov 30	14	Feb 24 1977
ANNUAL SEVEN-DAY MINIMUM	15	Jan 20	19	Nov 28	15	Jan 20 1991
ANNUAL RUNOFF (AC-FT)	70580		52360		81280	
10 PERCENT EXCEEDS	217		177		248	
50 PERCENT EXCEEDS	40		48		50	
90 PERCENT EXCEEDS	18		22		25	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT

LOCATION.--Lat 40°12'56", long 109°46'58", in $SW^1/_4SW^1/_4SW^1/_4$ sec. 16, T. 3 S., R. 2 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 0.25 mi downstream from Uintah River, 1.2 mi southeast of Randlett, and 6.5 mi southeast of Fort Duchesne.

DRAINAGE AREA.--4,247 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1942 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,756.1 ft above NGVD of 1929. Prior to Aug. 23, 1944 at site 300 ft downstream at different datum. Aug. 23, 1944 to Sept. 4, 1964 at site 200 ft upstream at datum 1.87 ft higher. Sept. 5, 1964 to June 6, 1968 at site 700 ft upstream at datum 1.68 ft higher. June 7, 1968 to Aug. 31, 1970 at site 200 ft upstream at datum 1.87 ft higher. Sept. 1, 1970 to June 7, 1975 at site 300 ft upstream at datum 2.23 ft higher. June 7, 1975 to May 5, 1977 at site 200 ft upstream at datum 1.87 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobble Creek ditch, Strawberry River, and Willow Creek Ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 11,500 ft^3/s June 20, 1983; maximum gage height, 10.22 ft June 5, 1986; minimum, 2.2 ft^3/s Aug. 12, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 314 ft^3/s July 8, gage height, 3.24 ft; minimum daily, 28 ft^3/s Apr. 14.

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	91	120	53	e140	e195	e180	95	56	109	54	61	80
2	84	117	87	e130	e205	e184	85	50	81	58	63	84
3	96	107	91	e146	e192	e190	80	51	77	67	63	72
4	109	95	e96	e160	e190	e186	79	57	95	73	58	71
5	112	108	e102	164	e192	e182	77	56	90	60	52	73
6	117	122	e110	e205	e170	181	67	43	74	73	61	98
7	122	153	e122	e248	e178	168	59	40	75	62	82	103
8	121	152	e130	e230	e185	178	45	42	86	195	91	91
9	108	126	e110	e200	e190	208	38	70	84	249	89	85
10	108	123	e115	e208	e197	222	38	75	72	165	73	70
11	105	116	e120	e170	e204	214	39	81	65	123	67	69
12	114	109	e110	e140	e210	209	36	67	75	164	52	84
13	114	104	e108	e142	e210	213	41	83	82	187	45	99
14	109	103	e106	e148	e204	205	28	80	83	153	41	92
15	116	107	105	e153	e197	212	31	80	79	123	46	91
16	121	111	107	e160	e190	203	60	71	90	122	49	70
17	120	112	109	e150	e185	185	56	54	78	122	46	60
18	115	124	e120	e140	e180	169	53	53	85	88	46	69
19	97	121	e130	e150	e185	149	46	78	79	84	41	66
20	103	116	e118	e160	e190	143	44	89	76	74	42	68
21	113	129	e120	e130	e196	122	45	123	65	70	42	77
22	110	120	e120	e130	e200	142	44	185	70	55	45	71
23	110	79	e122	e140	e190	161	32	154	72	55	92	62
24	104	103	e130	e150	e170	165	46	136	48	79	91	48
25	108	120	e122	e160	e200	144	59	110	57	87	71	43
26	108	117	e120	e160	e180	136	59	125	79	70	72	66
27	108	123	e120	e170	e180	123	56	210	100	79	84	74
28	152	122	e120	e170	e180	122	57	145	83	75	73	73
29	158	124	e120	e190	e180	116	54	125	61	67	62	77
30	140	80	120	e190	---	100	51	122	55	56	58	69
31	99	---	e140	e180	---	106	---	111	---	62	66	---
TOTAL	3492	3463	3503	5114	5525	5218	1600	2822	2325	3051	1924	2255
MEAN	113	115	113	165	191	168	53.3	91.0	77.5	98.4	62.1	75.2
MAX	158	153	140	248	210	222	95	210	109	249	92	103
MIN	84	79	53	130	170	100	28	40	48	54	41	43
AC-FT	6930	6870	6950	10140	10960	10350	3170	5600	4610	6050	3820	4470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

MEAN	305	390	418	411	454	504	432	1048	1943	484	212	202
MAX	1529	1443	1352	1246	964	1202	1865	4938	7988	2840	926	975
(WY)	1984	1984	1984	1984	1984	1983	1952	1952	1983	1965	1965	1965
MIN	52.9	42.6	39.6	43.3	52.6	88.4	28.5	47.5	50.0	10.1	9.91	18.9
(WY)	1990	1990	1990	1990	1990	1990	1961	1961	1961	1961	1961	1960

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	45071		40292			
ANNUAL MEAN	123		110		566	
HIGHEST ANNUAL MEAN					1736	1983
LOWEST ANNUAL MEAN					76.4	1990
HIGHEST DAILY MEAN	1260	Jun 12	249	Jul 9	11500	Jun 20 1983
LOWEST DAILY MEAN	27	May 13	28	Apr 14	3.2	Aug 9 1961
ANNUAL SEVEN-DAY MINIMUM	35	May 9	36	Apr 9	4.2	Aug 7 1961
ANNUAL RUNOFF (AC-FT)	89400		79920		409900	
10 PERCENT EXCEEDS	158		190		1150	
50 PERCENT EXCEEDS	108		106		350	
90 PERCENT EXCEEDS	50		53		58	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1950 to September 1951, November 1956 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1950 to September 1951, November 1956 to September 1980, June 1981 to current year.
WATER TEMPERATURES: December 1950 to September 1951, November 1956 to September 1978, October 1979 to September 1980, June 1981 to current year.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 4,490 microsiemens Aug. 24, 1960; minimum observed, 225 microsiemens June 22, 1983.
WATER TEMPERATURES: Maximum, 29.0°C several days during 1982, 1989, 1991, 1992; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,970 microsiemens Apr. 16; minimum daily, 900 microsiemens, Feb. 1, 3, 5.
WATER TEMPERATURES: Maximum, 29.0°C Aug. 11, 12; minimum, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE AIR (DEG C)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	BAROMETRIC PRESSURE (MM OF HG)	HARDNESS TOTAL (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
NOV 04...	1400	90	2420	8.4	6.0	2.5	15.9	647	780	160
DEC 02...	1400	101	2310	8.2	0.0	0.0	13.8	638	680	140
JAN 06...	1400	208	1270	8.1	-3.0	0.0	14.0	630	420	93
FEB 03...	1630	192	1070	7.8	-1.0	0.0	13.0	643	330	74
MAR 06...	1030	178	1760	8.4	12.0	4.0	12.1	638	530	110
APR 06...	1600	64	2020	8.3	19.0	16.0	10.2	636	650	110
MAY 04...	1510	61	2230	8.3	33.0	22.0	10.4	640	630	120
JUN 01...	1415	115	1800	8.4	25.0	22.0	9.8	640	530	110
JUL 06...	1415	64	1930	8.4	33.0	23.5	8.8	638	560	110
AUG 03...	1400	65	1890	8.4	39.0	25.5	8.9	640	520	100
31...	1410	74	1960	8.3	26.0	19.5	8.9	638	550	110

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV 04...	92	260	42	4	4.6	890	89	1.1	16	1700
DEC 02...	81	240	43	4	3.3	780	99	0.7	14	1460
JAN 06...	45	110	36	2	1.9	370	47	0.5	12	758
FEB 03...	36	85	36	2	1.6	230	35	0.3	9.3	637
MAR 06...	63	170	41	3	3.4	520	72	0.5	11	1150
APR 06...	90	230	44	4	3.1	630	110	0.7	6.9	1500
MAY 04...	79	290	50	5	4.5	740	120	0.9	9.5	1630
JUN 01...	63	200	45	4	4.2	550	79	0.6	11	1260
JUL 06...	70	230	47	4	4.9	600	85	0.7	12	1370
AUG 03...	65	230	49	4	3.7	590	100	0.6	9.5	1290
31...	66	240	49	4	4.2	620	89	0.7	12	1390

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV										
04...	1720	2.31	413	0.19	0.01	0.20	0.09	0.12	0.02	0.06
DEC										
02...	1560	1.99	398	--	<0.01	0.23	0.03	0.04	<0.01	--
JAN										
06...	829	1.03	426	--	<0.01	0.27	0.03	0.04	<0.01	--
FEB										
03...	595	0.87	330	--	<0.01	0.29	0.13	0.17	0.03	0.09
MAR										
06...	1130	1.56	553	--	<0.01	0.08	0.05	0.06	<0.01	--
APR										
06...	1340	2.04	259	--	<0.01	<0.05	0.06	0.08	<0.01	--
MAY										
04...	1540	2.22	268	0.07	0.01	0.08	0.06	0.08	<0.01	--
JUN										
01...	1190	1.71	391	--	<0.01	<0.05	0.08	0.10	0.03	0.09
JUL										
06...	1280	1.86	237	--	<0.01	<0.05	0.12	0.15	0.04	0.12
AUG										
03...	1270	1.75	226	--	<0.01	<0.05	0.12	0.15	<0.01	--
31...	1320	1.89	276	--	<0.01	<0.05	0.03	0.04	<0.01	--

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
NOV			
04...	1400	1100	1
DEC			
02...	1400	1100	<2
JAN			
06...	1400	480	1
FEB			
03...	1630	330	<1
MAR			
06...	1030	690	<1
APR			
06...	1600	1000	<1
MAY			
04...	1510	1100	1
JUN			
01...	1415	1100	<1
JUL			
06...	1415	1200	<1
AUG			
03...	1400	1100	<1
31...	1410	1300	<1

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1830	2190	2020	1220	900	1300	1960	1900	2020	1960	1650	1790
2	2020	2160	2000	1180	950	1410	2120	2410	2010	1870	1710	1790
3	1960	2170	2090	1150	900	1490	2120	2410	2100	1900	1730	1820
4	1590	2200	1830	1080	910	1500	2130	2330	2060	1810	1820	---
5	1670	2260	2000	1080	900	1610	2180	---	1900	1790	1700	1710
6	1700	2190	1470	1210	950	1650	2080	2420	2100	1850	1720	1780
7	1640	2140	1380	1110	920	1680	2230	2450	1900	1980	1780	1750
8	1760	2100	1270	1060	970	1700	2710	2440	1900	1990	1640	1680
9	1820	2010	1190	1060	960	2110	2550	2170	2040	1850	1650	1710
10	1870	2020	1310	1130	900	1560	2760	2170	2050	1890	1650	1720
11	1830	1970	1420	1130	930	1550	2850	2080	1950	1790	1660	1880
12	1790	2110	1270	1120	940	1490	2820	2140	1950	1860	1730	1940
13	1820	2120	---	1100	1030	1470	2610	2090	1950	1740	1850	1810
14	1940	2150	1440	1220	1040	1450	2910	2160	1930	1980	1880	1780
15	1660	2130	1460	1110	970	1340	2950	2200	1930	1780	1790	1810
16	1960	2090	1500	1090	1170	1350	2970	2200	1890	1790	1890	1940
17	1720	2120	1470	1010	1180	1430	2450	2250	1890	1740	1840	1940
18	1770	1480	1500	1120	1060	1490	2440	2260	2040	1770	1890	1900
19	1840	2100	1360	1130	950	1510	2530	1870	2040	1740	1910	2030
20	1960	1990	1200	1110	1290	1700	2450	1840	2000	1750	2000	2110
21	1720	2070	1190	1120	1140	1640	2510	2000	2000	1910	2000	2150
22	1720	2070	1230	1140	1150	1850	2860	1990	2040	1910	1730	2200
23	1850	---	1280	1100	1240	1680	2860	1940	1980	1870	1740	2190
24	1740	1980	1280	950	1370	1660	2830	2730	1970	1880	1950	2210
25	1840	1940	1320	970	1280	1670	2590	2160	2100	1780	1780	2130
26	1880	---	1260	960	1230	1660	2520	2490	1980	1770	1870	1840
27	2120	2150	1420	960	1180	1770	2440	2600	1980	1820	1590	2140
28	2050	2060	1390	960	1180	1760	2450	1910	1850	1830	1590	2060
29	2050	2090	1390	980	1190	1850	2600	1910	2100	1990	1720	2040
30	2090	2090	1400	930	---	2030	2710	1910	2180	1990	1720	2140
31	2150	---	1540	940	---	2050	---	---	---	1910	1760	---
MEAN	1850	2080	1460	1080	1060	1630	2460	2190	1990	1850	1770	1930

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	5.0	.0	.0	.0	.0	10.0	21.0	25.0	20.0	26.0	23.0
2	18.0	3.0	.0	.0	.0	.0	10.0	21.0	25.0	24.0	26.0	23.0
3	18.0	3.0	.0	.0	.0	.0	10.0	21.0	25.0	25.0	26.0	23.0
4	14.0	.0	.0	.0	.0	.0	10.0	21.0	25.0	24.0	26.0	---
5	14.0	.0	.0	.0	.0	.0	10.0	21.0	23.0	22.0	26.0	13.0
6	14.0	.0	.0	.0	.0	.0	10.0	21.0	23.0	23.0	26.0	20.0
7	14.0	.0	.0	.0	.0	.0	10.0	21.0	25.0	22.0	26.0	20.0
8	14.0	.0	.0	.0	.0	.0	16.0	21.0	25.0	22.0	26.0	13.0
9	16.0	.0	.0	.0	.0	.0	16.0	21.0	25.0	22.0	27.0	23.0
10	15.0	.0	.0	.0	.0	.0	18.0	21.0	25.0	22.0	27.0	23.0
11	14.0	.0	.0	.0	.0	.0	18.0	20.0	21.0	22.0	29.0	18.0
12	15.0	.0	.0	.0	.0	.0	18.0	18.0	21.0	22.0	29.0	18.0
13	15.0	.0	.0	.0	.0	.0	18.0	17.0	21.0	23.0	25.0	19.0
14	15.0	.0	.0	.0	.0	.0	14.0	18.0	20.0	23.0	26.0	23.0
15	14.0	.0	.0	.0	.0	.0	14.0	18.0	20.0	24.0	26.0	23.0
16	14.0	.0	.0	.0	.0	.0	14.0	18.0	23.0	24.0	26.0	23.0
17	14.0	.0	.0	.0	.0	.0	16.0	20.0	25.0	24.0	26.0	23.0
18	14.0	.0	.0	.0	.0	.0	16.0	21.0	25.0	24.0	26.0	23.0
19	14.0	.0	.0	.0	.0	.0	16.0	21.0	25.0	25.0	26.0	23.0
20	14.0	.0	.0	.0	.0	.0	17.0	21.0	25.0	25.0	26.0	21.0
21	13.0	.0	.0	.0	.0	.0	17.0	21.0	25.0	25.0	24.0	22.0
22	11.0	.0	.0	.0	.0	.0	14.0	21.0	26.0	25.0	24.0	23.0
23	13.0	.0	.0	.0	.0	.0	14.0	24.0	26.0	26.0	24.0	20.0
24	11.0	.0	.0	.0	.0	.0	16.0	21.0	26.0	26.0	24.0	20.0
25	10.0	.0	.0	.0	.0	.0	16.0	21.0	26.0	26.0	19.0	17.0
26	10.0	.0	.0	.0	.0	.0	17.0	21.0	26.0	26.0	21.0	17.0
27	7.0	.0	.0	.0	.0	.0	17.0	21.0	25.0	26.0	20.0	18.0
28	7.0	.0	.0	.0	.0	.0	18.0	21.0	24.0	26.0	23.0	18.0
29	5.0	.0	.0	.0	.0	.0	21.0	21.0	24.0	26.0	20.0	18.0
30	5.0	.0	.0	.0	---	.0	21.0	21.0	24.0	26.0	20.0	18.0
31	5.0	---	.0	.0	---	.0	---	---	---	26.0	19.0	---
MEAN	12.5	0.5	.0	.0	.0	.0	15.0	20.5	24.0	24.0	24.5	20.0

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'46", long 109°10'41", in SE¼SW¼NE¼ sec. 2, T. 10 S., R. 24 E., Uintah County, Hydrologic Unit 14050007, on right bank 350 ft downstream from bridge on State Highway 45, 1 mi downstream from Evacuation Creek, and 7 mi north of Watson.

DRAINAGE AREA.--4,020 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1904 to October 1906 (no winter records), May to November 1918, April 1923 to September, 1979, October 1985 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Dragon" 1906 and "near Rangely, Colo." 1904-1905, 1918.

GAGE.--Water-stage recorder. Datum of gage is 4,946.78 ft above NGVD of 1929. See WSP 1733 for history of changes prior to Oct. 27, 1959.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 31,900 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,160 ft³/s July 15, 1929; maximum gage height, 13.1 ft Feb. 11, 1962, from floodmark in well (backwater from ice); minimum, 11 ft³/s Dec. 6, 1972, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 27	0100	*2,230	*4.43				

Minimum daily discharge, 154 ft³/s Aug. 22.

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	320	496	413	355	e400	474	e470	1150	1190	325	309	240
2	324	495	450	325	e400	480	e445	1280	1150	231	317	247
3	330	486	446	319	e400	476	e422	1310	977	285	300	248
4	348	508	331	282	e400	539	e412	1250	896	313	309	230
5	359	403	280	253	e400	598	404	1230	900	417	311	263
6	360	338	270	275	e380	791	403	1180	879	449	342	221
7	364	340	270	287	e390	763	419	1100	841	413	331	224
8	364	378	313	271	e418	e736	433	1110	813	439	354	224
9	364	466	290	237	e440	e690	428	1140	827	474	399	210
10	361	524	327	279	e460	e638	432	1410	760	356	391	196
11	364	522	353	259	e490	e590	444	1670	711	279	341	172
12	345	523	359	243	e520	e570	477	1320	705	606	308	168
13	341	532	320	e252	e485	e595	511	1130	712	754	313	187
14	336	530	335	e265	e490	e615	e580	1140	708	745	302	181
15	341	582	328	e295	e480	e660	e670	1140	668	621	280	175
16	337	649	332	e320	e478	e670	e715	1080	648	671	257	177
17	337	668	e315	e310	e472	e680	768	1080	606	640	306	163
18	337	677	e305	e300	e450	e710	729	1070	605	653	305	184
19	338	664	349	e312	e470	e740	736	1100	594	537	309	529
20	331	660	305	e318	e472	e760	787	1200	528	488	357	890
21	336	660	276	e280	e484	e822	e700	1220	484	470	282	785
22	299	652	294	e250	e500	e880	e665	1400	447	492	154	654
23	305	604	295	e265	e500	e785	634	1460	386	493	168	634
24	342	577	283	e280	e510	e690	682	1400	415	736	367	604
25	303	581	316	e270	e520	e610	637	1410	439	682	295	578
26	325	534	328	e283	e505	e565	583	1320	383	952	253	544
27	361	518	350	e293	e500	e510	613	1650	391	546	253	501
28	388	458	310	e312	e500	e480	671	1450	424	392	221	496
29	443	442	267	e344	e490	e498	811	1390	408	318	235	508
30	474	415	285	e364	---	e500	999	1290	364	295	220	464
31	482	---	294	e385	---	e480	---	1260	---	297	234	---
TOTAL	10959	15882	9989	9083	13404	19595	17680	39340	19859	15369	9123	10897
MEAN	354	529	322	293	462	632	589	1269	662	496	294	363
MAX	482	677	450	385	520	880	999	1670	1190	952	399	890
MIN	299	338	267	237	380	474	403	1070	364	231	154	163
AC-FT	21740	31500	19810	18020	26590	38870	35070	78030	39390	30480	18100	21610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1992, BY WATER YEAR (WY)

MEAN	465	426	363	357	430	583	710	1578	1798	703	479	436
MAX	1029	713	600	580	1414	1180	2466	3537	4018	2923	1915	1917
(WY)	1930	1930	1926	1926	1986	1939	1929	1929	1929	1929	1929	1929
MIN	243	287	230	160	246	336	368	384	227	109	182	208
(WY)	1964	1935	1931	1937	1949	1952	1961	1977	1934	1934	1990	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1924 - 1992	
ANNUAL TOTAL	214846		191180			
ANNUAL MEAN	589		522		694	
HIGHEST ANNUAL MEAN					1736	1929
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	2340	Jun 16	1670	May 11	8160	Jul 15 1929
LOWEST DAILY MEAN	250	Sep 7	154	Aug 22	13	Jul 3 1977
ANNUAL SEVEN-DAY MINIMUM	270	Sep 1	175	Sep 11	33	Jun 28 1977
ANNUAL RUNOFF (AC-FT)	426100		379200		503000	
10 PERCENT EXCEEDS	1350		916		1570	
50 PERCENT EXCEEDS	410		444		444	
90 PERCENT EXCEEDS	300		266		290	

e Estimated

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1950 to September 1979, October 1985 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1950 to September 1979, October 1986 to current year.
WATER TEMPERATURES: December 1950 to September 1979, October 1986 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1976 to June 1979, October 1985 to September 1990 (discontinued).

INSTRUMENTATION.--Water-quality monitor since November 1985.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 4,450 microsiemens Aug. 4, 1955; minimum recorded, 136 microsiemens May 20, 1989.
WATER TEMPERATURES: Maximum recorded, 33.0°C July 15, 1977; minimum, 0.0°C many days during winter period.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 31,100 mg/L Aug. 8, 1987; minimum daily mean, 31 mg/L Sept. 7, 8, 1989.
SEDIMENT LOADS: Maximum daily, 121,000 tons Aug. 8, 1987; minimum daily, 12 tons Sept. 7, 8, 1989.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,290 microsiemens July 8, 9; minimum recorded, 266 microsiemens May 19.
WATER TEMPERATURES: Maximum recorded, 27.2°C Aug. 9; minimum, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT										
03...	1100	329	730	8.4	22.5	13.5	9.6	633	--	--
NOV										
06...	1200	325	760	8.3	17.0	4.5	11.1	635	280	72
DEC										
05...	1130	211	890	8.3	2.0	0.0	13.2	640	290	70
JAN										
07...	1130	300	850	8.2	-1.0	0.0	12.5	627	310	79
FEB										
05...	1145	400	380	8.0	1.0	0.0	16.7	637	290	76
MAR										
04...	1300	178	810	8.2	6.5	2.0	11.8	625	270	66
APR										
08...	1245	436	880	8.3	21.5	12.5	11.7	633	250	62
MAY										
05...	1145	1260	485	8.2	25.5	16.5	9.6	636	190	50
JUN										
03...	1230	961	455	8.5	25.0	19.0	7.8	634	200	52
JUL										
07...	1115	394	670	8.4	20.5	19.5	7.6	637	280	72
AUG										
05...	1620	307	700	8.4	32.0	25.5	7.6	634	260	64
SEP										
01...	1130	246	760	8.4	27.0	--	8.3	636	290	69

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT										
03...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	25	44	25	1	1.9	200	17	0.3	11	467
DEC										
05...	29	58	30	1	1.6	220	19	0.3	12	571
JAN										
07...	27	53	27	1	1.7	200	18	0.3	14	516
FEB										
05...	25	46	25	1	1.6	180	13	0.2	15	466
MAR										
04...	26	62	33	2	2.3	210	18	0.2	13	516
APR										
08...	24	58	33	2	2.6	200	23	0.3	2.5	464
MAY										
05...	16	24	21	0.8	1.4	99	12	0.2	12	293
JUN										
03...	16	21	19	0.7	1.3	88	8.7	0.2	12	279
JUL										
07...	25	37	22	1	1.7	150	16	0.3	10	424
AUG										
05...	25	48	28	1	2.0	170	19	0.3	8.1	454
SEP										
01...	29	58	30	1	2.1	190	20	0.3	8.9	484

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 03...	--	--	--	--	<0.01	0.17	0.06	0.08	0.01	0.03
NOV 06...	481	0.64	410	0.14	0.02	0.16	0.03	0.04	<0.01	--
DEC 05...	534	0.78	325	--	<0.01	0.12	0.07	0.09	<0.01	--
JAN 07...	518	0.70	418	--	<0.01	0.15	0.10	0.13	<0.01	--
FEB 05...	475	0.63	503	--	<0.01	0.20	0.08	0.10	<0.01	--
MAR 04...	512	0.70	248	--	<0.01	0.23	0.14	0.18	0.01	0.03
APR 08...	462	0.63	546	--	<0.01	0.06	0.03	0.04	0.01	0.03
MAY 05...	295	0.40	997	--	<0.01	0.11	0.08	0.10	<0.01	--
JUN 03...	282	0.38	724	--	<0.01	<0.05	0.04	0.05	<0.01	--
JUL 07...	423	0.58	451	--	<0.01	<0.05	0.05	0.06	0.02	0.06
AUG 05...	439	0.62	376	--	<0.01	<0.05	0.03	0.04	<0.01	--
SEP 01...	491	0.66	321	--	<0.01	<0.05	0.03	0.04	<0.01	--

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
NOV 06...	1200	50	<1
DEC 05...	1130	60	<1
JAN 07...	1130	50	2
FEB 05...	1145	50	<1
MAR 04...	1300	70	1
APR 08...	1245	100	<1
MAY 05...	1145	40	1
JUN 03...	1230	30	<1
JUL 07...	1115	50	<1
AUG 05...	1620	60	<1
SEP 01...	1130	70	<1

09306500 WHITE RIVER NEAR WATSON, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	727	701	714	---	---	---	---	---	---
2	---	---	---	727	708	716	---	---	---	---	---	---
3	---	---	e734	737	689	723	883	854	869	---	---	---
4	---	---	---	734	680	707	886	855	870	---	---	---
5	---	---	---	751	716	732	900	868	879	---	---	---
6	---	---	---	786	615	752	890	870	877	---	---	---
7	---	---	---	790	757	776	890	870	880	---	---	e846
8	---	---	---	790	771	777	880	860	868	---	---	---
9	---	---	---	794	773	782	880	850	865	---	---	---
10	---	---	e730	789	776	782	870	850	864	---	---	---
11	737	718	728	793	780	786	860	840	851	---	---	---
12	734	715	727	796	774	787	860	750	841	---	---	---
13	739	711	729	799	786	794	870	710	811	---	---	---
14	736	717	729	811	792	800	870	850	857	---	---	---
15	740	713	727	816	793	802	870	840	855	---	---	---
16	738	718	728	829	806	817	860	840	849	---	---	---
17	742	715	729	822	810	816	840	810	834	---	---	---
18	739	721	729	825	805	815	830	770	801	---	---	---
19	745	717	731	829	797	815	770	760	766	---	---	---
20	742	718	733	832	810	818	770	750	760	---	---	---
21	738	719	733	833	814	822	780	760	769	---	---	---
22	754	726	738	829	807	818	780	770	776	---	---	---
23	759	732	746	832	660	787	780	770	771	---	---	---
24	1070	734	788	836	822	828	770	770	770	---	---	---
25	756	734	743	849	826	837	790	760	771	---	---	---
26	749	730	744	882	830	845	770	760	765	---	---	---
27	744	706	732	865	843	849	---	---	---	---	---	---
28	733	707	716	859	838	848	---	---	---	---	---	---
29	735	703	722	880	842	858	---	---	---	---	---	---
30	724	699	707	874	845	860	---	---	---	---	---	---
31	711	696	707	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	882	615	795	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	985	956	969	605	435	565
2	---	---	---	---	---	---	988	957	972	605	435	571
3	---	---	---	---	---	---	969	921	949	525	416	483
4	---	---	---	---	---	e810	932	911	922	506	476	493
5	---	---	e380	912	801	818	914	895	908	486	456	474
6	---	---	---	814	774	794	897	877	890	466	455	460
7	---	---	---	905	776	801	887	867	876	474	445	459
8	---	---	---	798	777	784	960	869	883	704	444	492
9	---	---	---	799	779	791	880	850	865	463	433	447
10	---	---	---	813	781	796	870	850	854	483	433	460
11	---	---	---	825	803	810	861	841	844	452	341	432
12	---	---	---	847	815	828	851	801	837	471	431	449
13	---	---	---	879	847	858	801	681	751	570	450	467
14	---	---	---	911	879	895	691	671	683	460	439	455
15	---	---	---	911	892	902	792	681	760	469	289	342
16	---	---	---	915	893	904	742	722	729	468	298	348
17	---	---	---	917	896	908	782	662	688	458	327	378
18	---	---	---	939	907	917	782	652	671	377	306	335
19	---	---	---	929	880	894	722	672	707	466	266	319
20	---	---	---	903	882	894	703	663	685	465	356	431
21	---	---	---	913	884	895	663	643	654	465	395	451
22	---	---	---	905	885	893	663	643	649	464	443	450
23	---	---	---	907	869	888	663	633	646	453	433	440
24	---	---	---	891	870	883	653	623	635	463	422	434
25	---	---	---	921	891	906	634	624	630	422	411	416
26	---	---	---	893	854	871	644	624	634	960	411	436
27	---	---	---	925	885	902	634	624	633	960	410	478
28	---	---	---	938	917	927	645	624	631	450	399	410
29	---	---	---	940	929	932	635	625	631	---	---	416
30	---	---	---	963	931	943	625	585	605	---	---	---
31	---	---	---	983	954	968	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	988	585	760	---	---	---

e Estimated

09306500 WHITE RIVER NEAR WATSON, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	617	602	607	695	661	683	784	759	768
2	---	---	---	633	607	621	678	652	664	826	771	789
3	---	---	e457	658	633	643	686	660	674	786	769	776
4	481	458	467	655	639	647	701	669	685	796	769	785
5	500	474	488	670	645	658	710	685	695	920	787	823
6	506	482	495	667	652	659	706	664	693	898	805	849
7	512	496	504	670	650	659	808	696	728	835	816	825
8	528	503	514	1290	654	682	723	704	713	837	820	828
9	534	510	523	1290	519	621	718	696	709	845	828	835
10	540	517	530	520	464	482	793	699	747	853	836	847
11	541	485	514	714	425	633	846	735	758	871	845	859
12	486	459	472	1070	508	638	752	738	743	885	861	874
13	467	454	461	986	730	805	756	733	744	896	878	888
14	474	449	462	733	705	718	761	738	750	910	893	901
15	480	464	476	917	662	710	775	742	757	1010	895	943
16	486	471	475	807	683	702	779	756	766	1120	923	966
17	501	476	489	722	677	699	795	762	773	977	949	966
18	507	492	497	717	689	703	938	755	834	993	974	981
19	514	498	505	705	663	684	824	790	807	1100	811	978
20	530	506	521	722	679	699	817	795	803	1130	778	858
21	537	521	529	723	668	705	813	789	804	796	772	783
22	553	527	544	728	705	716	1150	804	852	798	754	778
23	578	553	561	726	598	676	900	829	850	765	739	752
24	584	559	573	1050	630	796	1250	755	821	762	740	751
25	590	565	577	918	695	776	778	741	758	752	733	745
26	594	573	584	1080	794	830	755	732	745	751	731	743
27	603	587	594	877	745	779	759	737	749	763	745	753
28	608	593	600	777	745	759	764	732	750	771	754	761
29	613	590	600	774	746	763	768	745	756	773	754	763
30	611	596	605	758	694	734	772	749	758	776	752	762
31	---	---	---	721	692	707	768	747	758	---	---	---
MONTH	---	---	---	1290	425	694	1250	652	752	1130	731	831

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	12.8	15.2	3.5	.4	1.8	.0	.0	.0	.0	.0	.0
2	17.4	12.6	14.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0
3	16.5	12.1	14.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	14.4	9.6	11.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	14.1	9.7	11.8	3.1	.0	1.1	.0	.0	.0	.0	.0	.0
6	14.5	9.4	11.9	5.4	1.8	3.6	.0	.0	.0	.0	.0	.0
7	14.8	9.7	12.3	6.4	3.8	4.9	.0	.0	.0	.0	.0	.0
8	14.2	9.9	12.2	5.0	2.3	3.8	.0	.0	.0	.0	.0	.0
9	14.9	9.8	12.4	4.2	2.0	3.3	.0	.0	.0	.0	.0	.0
10	14.7	9.8	12.2	4.2	2.9	3.5	.0	.0	.0	.0	.0	.0
11	14.4	9.5	12.0	4.2	2.0	3.0	.0	.0	.0	.0	.0	.0
12	13.7	9.5	11.7	3.7	.7	2.3	.0	.0	.0	.0	.0	.0
13	13.8	9.5	11.7	3.5	.4	2.1	.0	.0	.0	.0	.0	.0
14	13.8	9.0	11.4	2.8	.9	2.1	.0	.0	.0	.0	.0	.0
15	14.1	9.4	11.7	2.7	2.0	2.4	.0	.0	.0	.0	.0	.0
16	13.7	9.1	11.5	2.5	1.3	2.0	.0	.0	.0	.0	.0	.0
17	13.8	9.8	11.7	4.3	1.7	3.0	.0	.0	.0	.0	.0	.0
18	13.4	9.4	11.5	4.1	2.2	3.4	.0	.0	.0	.0	.0	.0
19	11.9	9.1	10.9	2.8	.6	1.8	.0	.0	.0	.0	.0	.0
20	12.3	8.4	10.4	2.6	.5	1.6	.0	.0	.0	.0	.0	.0
21	12.0	7.9	10.0	2.7	1.5	2.1	.0	.0	.0	.0	.0	.0
22	11.5	7.6	9.7	2.2	.0	1.1	.0	.0	.0	.0	.0	.0
23	10.2	8.5	9.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
24	9.4	6.5	8.1	.9	.0	.1	.0	.0	.0	.0	.0	.0
25	9.3	6.4	7.9	2.1	.1	1.0	.0	.0	.0	.0	.0	.0
26	9.7	6.6	8.0	2.7	.3	1.4	.0	.0	.0	.0	.0	.0
27	8.7	5.6	7.8	2.0	.0	1.1	.0	.0	.0	.0	.0	.0
28	5.6	3.3	4.4	1.3	.0	.6	.0	.0	.0	.0	.0	.0
29	3.3	1.5	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	3.3	1.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	2.0	.0	.7	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	18.3	.0	10.1	6.4	.0	1.8	.0	.0	.0	.0	.0	.0

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	1.6	.3	.7	12.4	6.6	9.5	15.1	13.6	14.4
2	.0	.0	.0	2.9	.4	1.3	12.3	6.7	9.8	16.6	13.4	15.0
3	.0	.0	.0	2.5	.4	1.2	14.9	8.2	11.6	17.5	14.4	15.8
4	.0	.0	.0	2.4	1.5	2.0	15.3	9.5	12.5	17.5	14.2	15.9
5	.0	.0	.0	3.2	1.4	2.2	15.1	10.2	12.7	17.8	14.4	16.1
6	.0	.0	.0	3.8	.8	2.2	15.3	9.9	12.5	16.6	14.6	15.6
7	.0	.0	.0	4.9	1.6	3.1	15.5	9.8	12.6	16.0	13.4	14.7
8	.0	.0	.0	3.8	1.7	2.9	14.0	9.6	11.9	16.8	14.0	15.5
9	.1	.0	.1	4.7	.9	2.4	14.6	8.7	11.7	15.6	12.2	14.4
10	.1	.1	.1	5.7	1.0	3.1	14.4	10.2	12.5	15.7	11.5	13.5
11	.1	.1	.1	6.8	1.5	4.0	17.1	11.1	13.9	15.0	12.9	14.1
12	.1	.1	.1	7.5	2.1	4.8	16.9	11.9	14.3	15.5	13.6	14.4
13	.1	.1	.1	8.2	2.5	5.4	14.2	11.3	12.9	16.0	13.3	14.4
14	.1	.1	.1	8.7	3.2	6.1	14.5	11.2	12.6	16.2	13.2	14.7
15	.1	.1	.1	9.0	3.9	6.5	14.0	11.4	12.5	16.0	14.1	15.0
16	.2	.1	.2	8.9	4.2	6.5	15.0	10.5	12.3	16.9	13.4	15.0
17	.2	.2	.2	7.2	4.2	5.9	14.2	11.0	12.6	16.3	13.9	15.3
18	.2	.2	.2	8.7	3.5	6.0	13.9	10.1	11.7	16.8	14.1	15.5
19	.2	.2	.2	8.8	4.1	6.6	14.1	9.6	11.6	16.3	14.0	15.1
20	.2	.2	.2	8.5	3.4	6.0	14.4	10.0	12.0	15.9	13.7	14.8
21	.2	.2	.2	8.0	4.5	6.4	15.7	10.1	12.6	14.4	13.3	13.9
22	.2	.2	.2	9.6	4.2	6.9	15.9	11.7	13.4	16.2	13.7	14.8
23	.3	.2	.3	7.5	5.3	6.5	14.4	10.6	12.3	17.6	14.5	15.9
24	.3	.3	.3	10.2	5.1	7.6	15.4	9.2	12.1	17.6	15.3	16.2
25	.3	.3	.3	11.3	5.9	8.6	15.8	10.2	13.0	17.6	15.3	16.1
26	.3	.3	.3	10.9	6.3	8.8	17.6	11.0	14.2	17.0	13.3	15.9
27	.3	.3	.3	9.7	7.4	8.7	18.4	12.5	15.2	16.1	12.3	14.1
28	.3	.3	.3	12.3	7.7	9.8	18.8	12.8	15.6	16.7	14.3	15.5
29	1.1	.3	.4	13.0	7.1	9.8	18.7	13.0	15.6	---	---	e15.0
30	---	---	---	12.4	7.5	9.9	18.0	14.3	15.8	---	---	---
31	---	---	---	12.1	7.7	9.9	---	---	---	---	---	---
MONTH	1.1	.0	.1	13.0	.3	5.5	18.8	6.6	12.8	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	19.9	16.3	17.9	26.1	19.5	22.9	23.2	16.5	19.4
2	---	---	---	22.9	14.7	18.4	25.7	19.8	22.9	22.7	16.3	19.6
3	---	---	e19.0	24.0	16.2	20.0	24.8	20.3	22.5	21.7	17.3	19.4
4	18.6	15.3	16.8	24.1	18.6	21.4	24.7	19.3	22.1	19.1	16.1	17.7
5	19.0	14.7	16.6	23.7	18.9	21.5	25.6	20.0	22.5	19.9	13.5	16.7
6	19.2	14.8	16.9	24.5	19.1	21.9	24.3	20.9	22.3	18.2	14.9	16.6
7	19.8	16.2	17.7	22.3	19.4	20.3	24.7	20.3	22.5	21.1	14.4	17.5
8	19.0	15.7	17.2	22.5	17.3	20.0	26.0	20.0	23.1	21.0	14.8	17.8
9	20.8	15.4	18.0	24.1	15.6	20.1	27.2	20.7	23.8	21.8	14.6	18.1
10	22.1	16.7	19.2	24.5	18.5	21.2	25.4	21.1	23.4	22.5	15.1	18.7
11	21.1	17.2	18.9	21.7	18.9	20.3	27.1	20.7	23.7	20.8	15.5	18.3
12	21.3	15.1	18.1	21.7	15.8	19.2	26.8	20.5	23.7	18.4	15.4	17.0
13	21.2	16.6	18.6	21.8	17.5	19.5	26.1	21.3	23.5	20.5	13.3	16.6
14	19.4	15.2	17.1	22.9	19.1	20.8	24.9	20.1	22.5	21.3	14.2	17.4
15	19.9	14.6	17.0	22.3	19.2	20.7	26.9	20.0	23.1	21.1	16.5	18.4
16	17.6	14.7	16.1	24.2	17.7	20.6	26.9	21.3	23.7	21.5	15.9	18.5
17	20.8	12.9	16.7	25.1	18.5	21.7	26.4	21.3	23.7	21.4	16.8	19.1
18	23.1	15.9	19.3	25.9	19.8	22.6	25.8	19.7	22.7	22.1	15.9	18.9
19	23.2	16.5	19.8	25.7	20.3	22.9	26.8	20.1	23.4	20.9	15.2	17.8
20	23.9	16.5	20.2	24.2	19.8	21.8	26.1	21.0	23.3	18.6	16.2	17.2
21	23.6	17.4	20.7	24.7	18.9	21.9	23.3	20.2	21.9	19.2	14.6	16.9
22	24.5	17.8	21.3	23.1	19.0	21.3	20.9	18.5	20.0	19.9	14.2	17.2
23	24.9	18.6	21.8	21.3	18.1	19.7	21.0	17.7	19.2	20.9	15.4	18.0
24	22.4	19.4	20.8	21.3	15.7	18.6	22.1	17.0	19.2	19.4	15.8	17.6
25	21.5	18.1	20.0	23.5	17.4	19.8	21.6	16.5	19.0	17.8	13.2	15.3
26	20.3	17.2	19.0	24.0	18.4	21.0	21.7	15.2	18.4	17.0	11.3	14.1
27	22.7	16.7	19.4	24.9	19.3	22.0	21.9	14.5	18.1	17.5	11.3	14.3
28	25.4	17.9	21.6	25.5	19.7	22.4	22.7	15.3	18.9	17.8	12.1	14.9
29	23.3	19.6	21.5	24.2	19.4	22.1	23.3	16.7	19.7	18.0	12.3	15.1
30	22.3	17.0	19.7	25.8	18.8	22.3	24.1	17.5	20.4	17.9	12.1	15.0
31	---	---	---	26.3	19.4	22.9	20.7	18.1	19.2	---	---	---
MONTH	---	---	---	26.3	14.7	20.9	27.2	14.5	21.8	23.2	11.3	17.3

e Estimated

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT
(Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in NW¼NW¼NE¼ sec. 25, T. 13 S., R. 5 E., Sanpete County, Hydrologic Unit 14060007, on right bank 1,000 ft upstream from tunnel portal, 7.3 mi east-northeast of Fairview.

PERIOD OF RECORD.--July 1967 to current year. Seasonal records only. (July to September 1967, gage height only.)

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 8,660 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Fairview Tunnel diverts from San Rafael River and Price River drainages in the Colorado River Basin to San Pitch River in the Great Basin. Due to the location of the gage, reported flow may not be actual flow through tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft³/s June 6, 1984, gage height, 1.55 ft; no flow many days each year.

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	---	---	---	---	---	---	e.00	e2.7	6.4	9.5	9.3	.69
2	---	---	---	---	---	---	e.00	e2.6	9.2	10	8.4	.64
3	---	---	---	---	---	---	e.00	e3.0	6.7	9.8	7.7	.52
4	---	---	---	---	---	---	e.00	e3.3	6.0	11	7.8	.71
5	---	---	---	---	---	---	e.00	e3.5	7.4	10	6.9	.63
6	---	---	---	---	---	---	e.00	e4.2	6.2	10	5.2	.57
7	---	---	---	---	---	---	e.00	e4.8	6.4	10	4.7	.52
8	---	---	---	---	---	---	e.00	e4.5	6.4	10	1.2	.52
9	---	---	---	---	---	---	e.00	e3.7	6.5	10	2.6	.58
10	---	---	---	---	---	---	e.00	e3.5	6.3	10	4.4	.50
11	---	---	---	---	---	---	e.00	e3.4	6.2	10	4.5	.48
12	---	---	---	---	---	---	e.02	e3.6	5.9	10	4.1	.45
13	---	---	---	---	---	---	e.01	e3.8	5.7	10	4.1	.46
14	---	---	---	---	---	---	e.04	4.2	6.1	10	4.1	.42
15	---	---	---	---	---	---	e.06	4.7	6.3	9.8	3.6	.42
16	---	---	---	---	---	---	e.04	4.5	4.7	9.7	.95	.41
17	---	---	---	---	---	---	e.03	3.9	1.8	9.4	2.4	.40
18	---	---	---	---	---	---	e.02	4.4	3.4	9.2	3.9	.43
19	---	---	---	---	---	---	e.01	4.3	5.2	9.1	3.9	.43
20	---	---	---	---	---	---	e.01	5.4	8.1	9.0	3.2	.36
21	---	---	---	---	---	---	e.10	6.3	9.6	8.8	3.0	.36
22	---	---	---	---	---	---	e.20	3.3	9.5	8.8	2.9	.32
23	---	---	---	---	---	---	e.20	2.9	9.5	8.8	2.8	.31
24	---	---	---	---	---	---	e.40	4.6	9.6	9.0	2.0	.28
25	---	---	---	---	---	---	e.58	7.7	9.6	8.8	1.1	.21
26	---	---	---	---	---	---	e.70	6.9	9.7	8.7	.83	.19
27	---	---	---	---	---	---	e1.0	4.7	9.5	8.5	.81	.28
28	---	---	---	---	---	---	e1.5	3.9	9.1	8.7	.72	.23
29	---	---	---	---	---	---	e2.0	3.4	8.7	8.7	.75	.15
30	---	---	---	---	---	---	e2.7	3.1	8.7	9.4	.64	.13
31	---	---	---	---	---	---	---	4.4	---	9.5	.64	---
TOTAL	---	---	---	---	---	---	9.62	129.2	214.4	294.2	109.14	12.60
MEAN	---	---	---	---	---	---	.32	4.17	7.15	9.49	3.52	.42
MAX	---	---	---	---	---	---	2.7	7.7	9.7	11	9.3	.71
MIN	---	---	---	---	---	---	.00	2.6	1.8	8.5	.64	.13
AC-FT	---	---	---	---	---	---	19	256	425	584	216	25

e Estimated

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW¼SE¼SW¼ sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,400 ft above NGVD of 1929, from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion above station for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 mi above station, capacity about 1,900 acre-ft is used to regulate these diversions. Flow also affected by small reservoir 1 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 419 ft³/s May 22, 1984; maximum gage height, 3.37 ft May 27, 1986; no flow Nov. 11, 1964, Sept. 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45 ft³/s May 9, gage height, 1.19 ft; minimum daily discharge, 1.9 ft³/s Feb. 7, 8, Aug. 26.

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	4.0	4.4	e3.9	e2.7	2.1	3.2	7.3	31	13	6.0	2.0	2.3
2	4.0	4.7	e4.0	e2.8	2.2	3.3	7.1	30	13	6.3	2.1	2.6
3	4.1	e4.2	e4.1	e2.9	2.1	3.6	7.3	30	12	6.1	2.0	2.4
4	3.6	4.4	4.2	e2.8	2.0	3.5	7.5	30	12	5.5	2.1	3.5
5	3.7	4.6	4.2	2.7	e2.0	4.0	8.1	30	11	5.0	2.4	4.3
6	3.9	e4.7	4.2	e2.7	2.1	3.5	8.3	30	11	5.0	2.4	3.2
7	4.1	e4.8	4.2	e2.8	1.9	3.5	9.9	31	11	5.4	2.7	2.6
8	4.0	e4.6	e4.0	2.7	1.9	3.7	15	30	11	6.5	3.1	2.4
9	4.0	e4.5	e3.7	e2.8	2.0	3.9	18	39	11	6.1	2.5	2.3
10	3.9	e4.7	e4.2	3.0	2.0	3.9	24	34	10	5.3	2.3	2.4
11	3.7	e4.8	4.2	2.9	2.3	4.0	31	29	10	4.8	2.2	2.7
12	3.7	e4.7	4.3	2.9	2.3	4.1	36	26	10	5.4	2.3	2.6
13	3.6	4.7	4.1	e2.9	2.4	4.3	33	26	8.8	5.2	2.2	2.2
14	3.5	4.8	e3.8	2.7	2.4	4.1	34	24	9.3	4.9	2.4	2.3
15	3.7	4.8	e3.9	2.9	e2.4	4.4	37	21	11	4.5	2.3	2.4
16	3.9	4.6	e3.9	3.0	e2.3	4.6	29	19	11	4.4	2.2	2.9
17	3.5	4.4	3.8	2.9	2.5	4.6	31	19	11	4.2	2.4	2.8
18	3.5	e4.8	3.5	e2.7	e2.3	4.8	36	18	9.1	3.9	2.3	2.7
19	3.9	e4.7	e3.5	e2.8	e2.3	4.7	26	18	8.3	3.7	2.2	3.6
20	4.0	4.6	e3.5	e2.9	2.3	5.6	24	21	7.7	3.7	2.0	3.7
21	4.2	e4.4	e3.7	e2.9	2.5	4.5	26	21	7.6	3.4	2.1	3.2
22	4.3	e4.2	e3.7	e3.0	2.9	4.8	29	21	7.5	3.2	2.1	2.9
23	5.0	e4.0	e3.5	e2.8	2.9	5.9	28	18	7.1	3.1	3.2	2.9
24	5.1	4.2	3.5	2.7	e2.8	4.8	26	17	7.1	2.9	2.6	2.8
25	5.1	4.3	3.6	2.3	2.7	5.1	28	18	7.1	3.0	2.3	2.2
26	5.1	4.5	e3.6	2.4	e3.0	4.7	30	23	7.3	3.0	1.9	2.4
27	5.7	4.5	e3.4	2.3	e3.0	7.2	31	25	6.9	2.8	2.0	2.5
28	5.5	4.5	3.2	2.6	e3.0	7.7	31	18	6.7	2.8	2.1	2.6
29	5.1	4.3	3.0	2.4	e2.9	7.4	33	17	6.1	2.6	2.1	2.6
30	4.6	e4.1	2.9	2.7	---	7.3	32	16	5.9	2.4	2.1	2.6
31	4.3	---	2.9	2.5	---	7.3	---	14	---	2.2	2.2	---
TOTAL	130.3	135.5	116.2	85.1	69.5	148.0	723.5	744	280.5	133.3	70.8	82.6
MEAN	4.20	4.52	3.75	2.75	2.40	4.77	24.1	24.0	9.35	4.30	2.28	2.75
MAX	5.7	4.8	4.3	3.0	3.0	7.7	37	39	13	6.5	3.2	4.3
MIN	3.5	4.0	2.9	2.3	1.9	3.2	7.1	14	5.9	2.2	1.9	2.2
AC-FT	258	269	230	169	138	294	1440	1480	556	264	140	164

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1992, BY WATER YEAR (WY)

MEAN	4.91	4.60	3.82	3.47	3.40	4.17	18.5	98.5	60.1	13.8	7.27	5.03
MAX	13.5	11.6	9.00	7.83	7.37	10.6	55.4	239	239	47.9	16.7	14.1
(WY)	1983	1983	1942	1984	1984	1972	1942	1952	1983	1983	1965	1965
MIN	.65	1.92	1.81	1.40	1.40	2.13	3.37	12.9	9.35	3.75	1.96	1.89
(WY)	1979	1991	1960	1960	1960	1963	1975	1977	1992	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1941 - 1992	
ANNUAL TOTAL	6046.0		2719.3			
ANNUAL MEAN	16.6		7.43		19.0	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	206	May 26	39	May 9	419	May 22 1984
LOWEST DAILY MEAN	2.3	Mar 31	1.9	Feb 7	.00	Sep 23 1966
ANNUAL SEVEN-DAY MINIMUM	2.6	Mar 27	2.0	Feb 4	.06	Sep 22 1966
ANNUAL RUNOFF (AC-FT)	11990		5390		13800	
10 PERCENT EXCEEDS	32		23		48	
50 PERCENT EXCEEDS	4.7		4.0		5.0	
90 PERCENT EXCEEDS	2.9		2.3		2.5	

e Estimated

09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW¼NE¼SW¼ sec. 18, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 0.8 mi upstream from bridge, 1.2 mi downstream from French Creek, and 4.5 mi north of Scofield.

DRAINAGE AREA.--60.1 mi².

PERIOD OF RECORD.--June to October 1931, April to September 1932, October 1938 to current year. Published as Price River above Scofield Reservoir, near Scofield, October 1938 to September 1967.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-88-1: 1987.

GAGE.--Water-stage recorder. Elevation of gage is 7,670 ft above NGVD of 1929, from topographic map. June 1931 to September 1932, and October 1938 to July 27, 1967, at various sites about 0.5 mi downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions in headwaters for irrigation in Sevier Lake basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft³/s Oct. 31, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 28	2346	*92	*1.53				

Minimum daily, 3.7 ft³/s, Aug. 6, 21.

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	10	e12	10	e8.0	e6.2	e8.6	e19	87	31	15	4.6	4.7
2	9.9	e11	e10	e8.2	e6.4	e9.0	22	83	30	17	4.4	5.1
3	9.8	e12	e10	e8.4	e6.2	e10	25	78	29	16	4.0	4.8
4	9.7	e12	e10	e7.8	e5.8	e9.8	28	76	28	15	3.8	5.5
5	9.3	e12	e10	e7.4	e5.8	e11	31	73	26	14	3.8	9.2
6	9.3	e12	e10	e7.4	e6.2	e10	33	69	25	13	3.7	7.4
7	9.3	e12	e10	e7.8	e6.0	e11	34	67	26	14	4.2	6.3
8	9.3	e12	e9.6	e7.4	e6.0	e11	39	67	25	17	4.9	5.1
9	9.3	e12	e9.0	e7.6	e6.4	e11	45	76	23	16	4.8	5.1
10	9.3	e12	e9.8	e7.9	e6.4	e11	54	72	22	14	4.4	5.0
11	9.3	e12	e9.8	e7.6	e7.4	e11	64	62	22	13	4.2	5.2
12	9.3	12	e10	e7.6	e7.4	e12	73	58	23	15	4.3	5.4
13	9.3	12	e9.4	e7.6	e7.6	e12	72	55	19	15	4.0	5.2
14	9.3	12	e9.0	e7.0	e7.6	e11	68	52	19	13	4.5	4.9
15	9.3	12	e9.6	e7.6	e7.6	e12	76	48	22	12	4.8	4.8
16	9.3	12	e9.6	e8.0	e7.4	e13	69	45	23	11	5.1	5.6
17	9.3	e11	e9.0	e7.4	e7.8	e13	68	43	24	11	4.6	6.4
18	9.3	e12	e8.6	e7.2	e7.4	e13	78	42	20	10	4.4	5.9
19	9.3	e12	e8.6	e7.6	e7.4	e14	68	41	18	9.7	4.1	8.3
20	9.4	e12	e8.6	e8.0	e7.4	e16	63	45	17	9.1	4.0	8.3
21	9.8	e12	e9.4	e8.0	e7.6	e14	63	45	17	8.8	3.7	7.5
22	9.8	e12	e9.4	e8.2	e7.8	e15	69	47	16	8.3	4.0	6.6
23	10	e11	e9.0	e7.6	e7.8	e17	68	42	16	8.0	4.8	6.2
24	11	e12	e9.0	e7.2	e7.6	e16	68	41	16	7.6	5.5	6.7
25	11	e12	e9.6	e6.6	e7.4	e17	69	40	17	7.2	4.7	6.4
26	12	e12	e9.6	e6.8	e8.0	e16	77	41	18	7.2	4.0	5.5
27	12	e12	e9.0	e6.4	e8.0	e18	83	47	18	6.9	4.2	5.5
28	13	12	e8.6	e6.9	e8.0	e20	85	39	17	6.5	4.2	5.9
29	13	11	e8.5	e6.8	e7.8	e19	90	36	16	6.2	4.1	6.3
30	13	10	e8.4	e7.2	---	e19	89	36	15	5.6	4.1	6.3
31	e12	---	e8.4	e6.8	---	e19	---	33	---	5.2	4.3	---
TOTAL	314.9	354	289.5	232.0	206.4	419.4	1790	1686	638	347.3	134.2	181.1
MEAN	10.2	11.8	9.34	7.48	7.12	13.5	59.7	54.4	21.3	11.2	4.33	6.04
MAX	13	12	10	8.4	8.0	20	90	87	31	17	5.5	9.2
MIN	9.3	10	8.4	6.4	5.8	8.6	19	33	15	5.2	3.7	4.7
AC-FT	625	702	574	460	409	832	3550	3340	1270	689	266	359

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

MEAN	11.6	11.4	9.83	8.89	9.08	12.5	61.8	262	138	30.1	14.9	11.2
MAX	26.7	28.8	19.3	20.3	20.2	42.7	167	681	731	99.6	37.5	27.0
(WY)	1983	1983	1985	1971	1971	1986	1988	1952	1983	1983	1983	1983
MIN	5.34	6.01	5.16	3.34	3.79	5.00	11.5	23.5	14.4	6.83	4.07	3.49
(WY)	1978	1965	1962	1979	1979	1964	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1939 - 1992	
ANNUAL TOTAL	14405.1		6592.8			
ANNUAL MEAN	39.5		18.0		48.7	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	405	May 22	90	Apr 29	1310	May 22 1984
LOWEST DAILY MEAN	8.0	Jan 10	3.7	Aug 6	2.6	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	8.4	Jan 6	4.1	Aug 1	2.8	Jan 29 1979
ANNUAL RUNOFF (AC-FT)	28570		13080		35280	
10 PERCENT EXCEEDS	92		47		125	
50 PERCENT EXCEEDS	12		10		12	
90 PERCENT EXCEEDS	9.0		5.1		7.0	

e Estimated

09310700 MUD CREEK BELOW WINTER QUARTERS CANYON, AT SCOFIELD, UT

LOCATION.--Lat 39°43'18", long 111°09'38", in SW¼NE¼ sec. 5, T. 13 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on left bank 1.3 mi upstream from mouth, 0.1 mi below Winter Quarters Canyon, 0.2 mi upstream from Scofield.

DRAINAGE AREA.--29.1 mi².

PERIOD OF RECORD.--August 1978 to September 1986. October 1990 to current year. Formerly published as "Pleasant Valley Creek below Winter Quarters Canyon, at Scofield, UT."

GAGE.--Water-stage recorder. Altitude of gage is 7,720 ft from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 389 ft³/s May 21, 1984, gage height, 3.30 ft; minimum, 1.4 ft³/s Sept. 8, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22 ft³/s May 9, gage height, 2.06 ft; minimum daily discharge, 2.2 ft³/s Aug. 4.

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	6.2	5.7	e6.2	e5.8	e4.8	5.9	7.0	10	7.6	6.4	e2.5	3.0
2	6.1	e5.5	e6.2	e6.0	e5.0	5.5	7.0	9.5	8.0	6.5	e2.4	2.7
3	6.5	e6.3	e6.2	e6.2	e4.8	5.6	7.7	11	8.3	6.1	e2.3	3.1
4	6.3	6.3	e6.2	e6.0	e4.7	5.2	8.1	10	7.8	5.4	e2.2	4.0
5	6.2	6.1	e6.2	e5.8	e4.7	5.4	9.1	10	7.4	5.3	e2.4	3.5
6	6.8	e6.1	e6.2	e5.8	e4.8	5.6	8.7	9.0	7.3	6.1	3.0	3.4
7	6.4	e6.1	e6.2	e6.0	e4.6	6.0	8.6	9.9	8.2	6.7	4.2	2.8
8	6.8	e6.1	e5.8	e5.7	e4.6	5.4	8.9	11	8.3	6.1	3.3	3.0
9	6.3	e6.0	e5.7	e6.0	e4.6	5.6	9.7	14	8.0	4.2	3.1	2.8
10	6.8	e5.8	6.2	6.3	e4.8	5.7	11	10	7.6	4.1	2.5	2.6
11	6.5	e5.6	e6.2	e6.0	e4.8	5.4	12	7.4	8.9	4.4	2.6	2.3
12	6.6	5.6	e6.4	e6.0	e5.4	5.7	13	8.0	8.5	4.4	2.4	3.3
13	7.1	e5.6	e6.0	e6.0	e5.4	5.8	13	8.1	8.2	4.3	2.5	3.2
14	6.6	e5.6	e6.6	e5.7	e5.8	6.3	13	7.1	8.0	3.9	2.8	3.0
15	6.6	e5.6	e6.4	e5.8	5.8	6.4	14	7.5	7.8	3.9	3.0	2.8
16	6.2	e5.6	e6.4	e6.0	e5.6	6.0	12	7.3	8.5	4.0	2.6	3.5
17	6.2	e5.3	e6.2	e5.6	5.9	5.4	13	7.4	8.1	3.8	2.8	3.0
18	6.4	e5.7	e6.2	e5.2	5.7	5.3	15	6.7	7.4	3.9	2.7	3.2
19	6.5	5.7	e6.2	e5.4	e5.6	6.1	12	7.3	7.4	3.8	2.7	5.4
20	5.6	e5.7	6.7	e5.8	5.6	6.8	11	11	7.0	3.7	2.4	3.4
21	e5.8	5.8	6.9	e5.8	6.0	6.3	10	12	6.9	3.9	2.5	3.2
22	6.1	e5.8	e6.6	e5.8	5.9	6.4	11	9.6	6.7	4.1	3.3	2.8
23	e6.1	e5.6	e6.2	e5.8	5.7	6.8	10	8.3	6.5	3.8	4.4	2.8
24	e6.1	e6.2	e6.2	e5.4	5.8	6.4	9.8	8.6	6.6	3.7	3.5	2.8
25	6.1	6.5	e6.4	e4.9	5.5	6.2	11	9.1	6.8	4.2	2.7	3.0
26	e6.3	6.5	e6.4	e5.2	5.5	5.9	11	9.6	6.9	3.8	3.0	3.6
27	e6.3	6.3	e6.3	e5.0	5.8	6.0	11	11	7.0	4.0	3.2	3.4
28	e6.3	e6.2	e6.1	e5.2	6.1	6.3	11	9.3	6.4	e3.4	3.0	3.0
29	5.7	e6.2	e6.1	e5.0	6.3	6.7	12	8.6	6.3	e3.1	3.2	2.9
30	e5.7	e6.2	e6.1	e5.3	---	7.3	11	8.4	6.1	e2.9	3.4	2.8
31	e5.7	---	e6.1	e5.1	---	6.8	---	8.1	---	e2.6	3.5	---
TOTAL	194.9	177.3	193.8	175.6	155.6	186.2	321.6	284.8	224.5	136.5	90.1	94.3
MEAN	6.29	5.91	6.25	5.66	5.37	6.01	10.7	9.19	7.48	4.40	2.91	3.14
MAX	7.1	6.5	6.9	6.3	6.3	7.3	15	14	8.9	6.7	4.4	5.4
MIN	5.6	5.3	5.7	4.9	4.6	5.2	7.0	6.7	6.1	2.6	2.2	2.3
AC-FT	387	352	384	348	309	369	638	565	445	271	179	187

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-92, BY WATER YEAR (WY)

MEAN	7.09	6.35	5.52	5.36	5.55	7.75	18.8	63.8	58.7	15.2	8.58	7.86
MAX	12.2	10.3	9.48	8.74	9.19	18.3	40.7	141	134	30.8	16.0	14.0
(WY)	1985	1986	1985	1986	1984	1986	1985	1984	1983	1983	1984	1986
MIN	2.73	3.35	2.80	1.95	3.00	4.27	9.00	9.19	7.48	3.43	2.91	2.03
(WY)	1979	1980	1980	1980	1979	1979	1979	1992	1992	1981	1992	1979

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979-86, 1991-92	
ANNUAL TOTAL	3644.0		2235.2			
ANNUAL MEAN	9.98		6.11		17.6	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	54	Jun 5	15	Apr 18	300	May 24 1984
LOWEST DAILY MEAN	3.9	Sep 4	2.2	Aug 4	1.6	Sep 8 1979
ANNUAL SEVEN-DAY MINIMUM	4.3	Jan 7	2.5	Jul 30	1.6	Jan 11 1980
ANNUAL RUNOFF (AC-FT)	7230		4430		12730	
10 PERCENT EXCEEDS	24		9.4		42	
50 PERCENT EXCEEDS	6.2		6.0		7.6	
90 PERCENT EXCEEDS	4.5		3.0		3.3	

e Estimated

09311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in NW¼SE¼ sec. 10, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 200 ft upstream from face of dam on Price River and 4.7 mi northeast of Scofield.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--October 1941, April 1942 to current year. Fragmentary records 1926-41 in files of Office of State Engineer.

REVISED RECORDS.--WSP 1089: 1946. WDR UT-77-1: Drainage area.

GAGE.--Staff gage read twice daily. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Prior to Nov. 8, 1945, at site 800 ft upstream 200 ft from old dam at datum 4.51 ft higher.

REMARKS.--Reservoir is formed by earth and rockfill; rock-faced dam 800 ft downstream from old dam in use prior to Nov. 8, 1945. Storage began in May 1926. Usable capacity of reservoir formed by new dam is 65,780 acre-ft between elevations 7,586.0 ft (bottom of outlet works) and 7,617.5 ft (crest of spillway). Dead storage, 8,000 acre-ft below elevation 7,586.0 ft. Figures given herein represent usable contents. Water used for irrigation in vicinity of Price.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 77,280 acre-ft June 12, 13, 1983; elevation, 7,621.85 ft; minimum observed, 280 acre-ft Oct. 3, 1945; elevation, 7,586.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 13,880 acre-ft Apr. 21-25, elevation, 7,595.5 ft; minimum observed, 1,100 acre-ft Sept. 17-24, elevation, 7,587.0 ft.

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

7,587	1,100	7,592	7,870
7,588	2,290	7,593	9,480
7,589	3,350	7,594	11,180
7,590	4,910	7,595	12,960
7,591	6,340	7,596	14,810

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9150	6640	7560	8340	8990	9640	11700	13320	9310	3950	2530	1450
2	9150	6640	7560	8340	8990	9640	11880	13140	9310	3820	2410	1450
3	8990	6640	7560	8340	8990	9640	11880	12960	9150	3820	2410	1450
4	8990	6640	7560	8340	8990	9810	11880	12960	9150	3680	2290	1450
5	8820	6640	7560	8340	8990	9810	12060	12780	8990	3680	2290	1450
6	8660	6640	7560	8340	8990	9810	12060	12600	8990	3680	2160	1330
7	8500	6640	7870	8340	8990	9980	12240	12420	8820	3680	2160	1330
8	8340	6640	7870	8500	9150	9980	12420	12240	8820	3550	2160	1330
9	8340	6790	7870	8500	9150	9980	12420	12240	8660	3550	2160	1330
10	8180	6790	7870	8500	9150	9980	12600	12060	8500	3550	2040	1330
11	8020	6790	7870	8500	9150	10150	12780	11880	8340	3550	2040	1330
12	7870	6940	7870	8500	9150	10150	12960	11700	8180	3420	2040	1220
13	7870	6940	7870	8500	9150	10320	13140	11530	8020	3420	2040	1220
14	7710	6940	7870	8500	9150	10320	13140	11180	7870	3420	1920	1220
15	7560	7090	8020	8660	9310	10320	13320	11000	7710	3290	1920	1220
16	7400	7090	8020	8660	9310	10320	13510	10830	7560	3160	1920	1220
17	7250	7090	8020	8660	9310	10320	13690	10490	7400	3160	1920	1100
18	7090	7250	8020	8660	9310	10320	13690	10320	7250	3160	1920	1100
19	7090	7250	8020	8660	9310	10320	13690	9980	7090	3040	1800	1100
20	6940	7250	8020	8660	9310	10490	13690	9810	6790	3040	1800	1100
21	6940	7400	8020	8660	9480	10490	13880	9810	6490	3040	1800	1100
22	6790	7400	8020	8660	9480	10660	13880	9810	6200	3040	1680	1100
23	6790	7400	8180	8660	9480	10660	13880	9640	5900	3040	1680	1100
24	6790	7560	8180	8820	9480	10660	13880	9480	5610	2910	1680	1100
25	6790	7560	8180	8820	9480	10830	13880	9480	5330	2910	1560	1330
26	6790	7560	8180	8820	9480	10830	13690	9480	5050	2910	1560	1330
27	6640	7560	8180	8820	9480	11000	13510	9480	4770	2780	1560	1330
28	6640	7560	8180	8820	9640	11000	13510	9480	4490	2780	1560	1330
29	6640	7710	8180	8820	9640	11180	13510	9480	4360	2780	1560	1330
30	6640	7560	8180	8820	---	11350	13320	9480	4220	2660	1450	1330
31	6640	---	8180	8990	---	11530	---	9480	---	2530	1450	---
MAX	9150	7710	8180	8990	9640	11530	13880	13320	9310	3950	2530	1450
MIN	6640	6640	7560	8340	8990	9640	11700	9480	4220	2530	1450	1100
(#)	7591.2	7591.8	7592.2	7592.7	7593.1	7594.2	7595.2	7593.0	7589.5	7588.2	7587.3	7587.2
(*)	-2670	+920	+620	+810	+650	+1890	+1790	-3840	-5260	-1690	-1080	-120

CAL YR 1991 . . . . . (*) +930
WTR YR 1992 . . . . . (*) -7980

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UT

LOCATION.--Lat 39°52'33", long 111°02'12", in NE¼SE¼SW¼ sec. 9, T. 11 S., R. 8 E., Utah County, Hydrologic Unit 14060007, 50 ft downstream from bridge on U.S. Highways 6-50, 1.5 mi downstream from Tabbyune Creek, 2.5 mi northwest of the Colton railroad siding, and 4.5 mi southeast of Soldier Summit.

DRAINAGE AREA.--75.6 mi².

PERIOD OF RECORD.--May 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,230 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft³/s May 27, 1983, gage height, 5.82 ft; no flow many days August and September 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	1458	*97	*1.78				

Minimum daily discharge, .27 ft³/s Aug. 22.

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	3.2	e3.3	e3.1	e2.9	e3.0	e4.0	17	16	9.1	3.5	.50	.65
2	3.1	e3.2	e3.2	e2.8	e3.1	e4.0	16	16	8.9	3.9	.44	1.1
3	3.0	e3.0	e3.3	e2.7	e3.1	e4.0	17	15	8.4	3.4	.45	1.2
4	2.9	e2.9	e3.1	e2.9	e3.0	e4.0	19	15	8.0	3.3	.38	1.2
5	3.0	e2.9	e3.1	e2.9	e3.1	e4.5	20	15	7.8	2.8	.35	1.7
6	3.1	e3.0	e3.3	e2.8	e3.1	e4.3	21	14	7.4	2.7	.50	2.5
7	3.2	e3.0	e3.1	e2.9	e3.1	e4.3	20	14	7.8	3.0	.86	2.1
8	3.1	e3.0	e3.1	e2.8	e3.1	e5.0	19	14	8.1	4.8	1.2	1.9
9	3.1	e3.0	e3.1	e2.8	e3.1	e4.9	20	18	7.6	4.0	1.4	2.1
10	3.2	e2.9	e3.1	e3.0	e3.1	e5.4	20	16	7.3	3.2	1.3	1.0
11	3.3	e2.9	e3.1	e2.9	e3.2	e7.0	21	14	7.2	6.4	1.1	.97
12	3.2	e2.9	e3.0	e3.1	e3.1	e10	22	13	7.0	5.3	.90	.71
13	3.3	3.0	e3.2	e3.0	e3.2	15	21	14	6.6	3.7	.80	.90
14	2.9	3.6	e3.1	e3.1	e3.2	14	20	12	6.4	3.0	.76	.76
15	2.9	3.7	e3.0	e3.2	e3.1	18	21	12	7.2	2.5	.74	.85
16	2.6	3.6	e2.9	e2.9	e3.2	17	21	11	7.2	2.6	1.2	.95
17	2.4	3.4	e2.9	e3.0	e3.1	15	20	11	7.1	2.4	1.1	2.2
18	2.4	3.8	e2.9	e3.2	e3.1	13	23	11	6.5	2.0	.90	1.1
19	2.4	4.0	e2.8	e2.9	e3.2	12	21	10	5.9	2.0	.64	.99
20	2.5	4.2	e2.8	e3.0	e3.4	11	20	13	5.5	1.9	.45	.97
21	2.5	3.8	e2.7	e3.0	e3.4	12	19	14	5.3	2.0	.31	.99
22	2.6	e3.6	e3.1	e3.2	e3.4	12	18	13	5.2	1.9	.27	1.8
23	3.1	e3.5	e3.0	e3.3	e3.4	13	17	11	4.7	1.8	.58	1.6
24	3.2	e3.5	e3.0	e3.1	e3.6	13	17	11	4.5	1.6	.94	e1.6
25	3.0	e3.3	e3.0	e3.1	e3.8	13	17	11	4.9	1.6	.93	e1.7
26	3.1	e3.3	e3.0	e3.2	e3.9	13	17	22	5.5	1.6	.77	e1.9
27	e3.2	e3.3	e3.0	e3.1	e4.0	13	17	20	5.0	1.4	.45	e1.8
28	3.2	e3.3	e3.0	e3.3	e4.0	13	17	13	4.1	1.2	.43	e1.7
29	e3.1	e3.3	e2.8	e3.1	e4.0	14	17	11	3.7	1.2	.37	e1.6
30	e3.2	3.3	e3.0	e3.1	---	15	16	11	3.5	.95	.33	e1.5
31	e3.2	---	e3.0	e3.1	---	16	---	9.7	---	.71	.55	---
TOTAL	92.2	99.5	93.8	93.4	96.1	323.4	571	420.7	193.4	82.36	21.90	42.04
MEAN	2.97	3.32	3.03	3.01	3.31	10.4	19.0	13.6	6.45	2.66	.71	1.40
MAX	3.3	4.2	3.3	3.3	4.0	18	23	22	9.1	6.4	1.4	2.5
MIN	2.4	2.9	2.7	2.7	3.0	4.0	16	9.7	3.5	.71	.27	.65
AC-FT	183	197	186	185	191	641	1130	834	384	163	43	83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1992, BY WATER YEAR (WY)

MEAN	5.88	5.34	4.47	4.22	5.15	12.9	63.6	155	55.9	15.7	7.27	5.03
MAX	11.9	9.91	8.16	7.68	20.3	55.0	169	416	209	41.2	22.8	11.7
(WY)	1985	1983	1984	1984	1986	1986	1986	1984	1983	1983	1983	1980
MIN	1.60	2.06	1.46	.64	1.90	2.73	5.68	4.37	1.95	.48	.016	.12
(WY)	1978	1991	1977	1977	1969	1991	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1968 - 1992	
ANNUAL TOTAL	5374.2		2129.80			
ANNUAL MEAN	14.7		5.82		28.5	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	108	May 21	23	Apr 18	927	May 27 1983
LOWEST DAILY MEAN	1.5	Jan 21	.27	Aug 22	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	1.7	Jan 20	.48	Jul 31	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	10660		4220		20680	
10 PERCENT EXCEEDS	55		16		74	
50 PERCENT EXCEEDS	3.4		3.2		6.6	
90 PERCENT EXCEEDS	1.9		.99		2.4	

e Estimated

09313000 PRICE RIVER NEAR HEINER, UT

LOCATION.--Lat 39°43'08", long 110°51'55", in SW¼SE¼SW¼, sec. 1, T. 13 S., R. 9 E., Carbon County, Hydrologic Unit 14060007, on left bank 0.7 mi north of Heiner and 0.8 mi downstream from Willow Creek.

DRAINAGE AREA.--455 mi².

PERIOD OF RECORD.--June 1934 to September 1969, October 1979 to September 1981, October 1990 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,000 ft from topographic map. Prior to September 1969 at present site at datum 2.00 ft lower. October 1979 to September 1981 a water-stage recorder at site 400 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by regulation of Scofield Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft³/s Sept. 13, 1940, gage height, 7.98 ft, from rating curve extended above 750 ft³/s on basis of slope-area measurements of peak flow; minimum recorded, 0.4 ft³/s Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 347 ft³/s Aug. 6, gage height, 5.23 ft; minimum daily discharge 3.0 ft³/s Sept. 16.

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	66	22	e8.6	e9.4	e9.0	32	22	150	62	119	15	e19
2	68	21	e9.0	e9.0	e9.8	38	21	152	67	91	17	e9.3
3	67	19	e9.6	e8.4	e9.2	39	20	152	63	78	13	e4.6
4	67	24	e9.0	e9.3	e9.2	37	26	150	62	73	12	e5.0
5	70	22	e9.6	e10	e9.7	42	26	163	64	51	10	e7.5
6	70	22	e9.6	e10	e9.0	40	27	174	61	38	28	e7.7
7	70	18	e9.2	e10	e9.0	34	26	178	68	41	e36	e6.5
8	69	15	e9.1	e12	e9.4	21	28	182	72	53	e13	e4.8
9	71	14	e9.6	e9.7	e10	15	28	185	76	44	e4.8	e4.2
10	69	13	e9.4	e10	e9.4	13	31	181	78	36	e3.5	e4.5
11	70	12	e10	e9.7	e9.0	20	38	172	84	42	e8.4	e4.2
12	70	9.1	e12	e11	e9.0	26	42	171	81	52	e12	e6.3
13	70	e8.8	e9.8	e10	e9.2	26	39	170	81	44	e11	e6.7
14	66	e8.6	e9.4	e11	e9.6	30	39	163	89	36	e14	e4.7
15	62	e9.4	e9.2	e12	e9.6	28	50	161	84	35	e17	e3.1
16	58	e11	e9.0	e11	e9.4	24	57	168	86	35	e19	e3.0
17	53	e10	e8.6	e9.0	e8.9	21	66	171	90	20	e14	e5.6
18	52	e9.6	e8.6	e9.8	e9.6	16	69	157	96	18	e11	e5.9
19	52	e10	e9.2	e9.4	e11	15	69	152	101	21	e9.4	e12
20	50	9.9	e10	e10	e9.8	13	63	162	103	16	e9.7	e12
21	44	e10	e10	e10	e9.8	15	84	147	109	18	e9.4	e8.2
22	33	e9.8	e9.8	e11	e10	17	99	116	105	24	e13	e5.0
23	35	e10	e9.5	e13	e9.4	19	108	103	120	26	e20	e3.3
24	38	10	e9.0	e11	e9.0	18	120	104	123	25	e14	e3.9
25	34	e10	e11	e10	e9.3	17	127	103	126	34	e7.1	e4.1
26	30	e10	e9.2	e9.0	e10	17	128	110	128	31	e5.3	e5.4
27	33	e11	e9.8	e9.8	15	18	128	99	128	25	e6.3	e7.5
28	29	e10	e9.4	e9.2	18	19	136	69	127	16	e6.4	e8.0
29	21	e9.6	e9.7	e11	26	20	142	72	116	16	e7.7	e5.4
30	24	e9.4	e10	e9.4	---	20	146	69	116	15	e9.3	e4.3
31	19	---	e10	e9.4	---	22	---	66	---	13	e13	---
TOTAL	1630	388.2	295.9	313.5	305.3	732	2005	4372	2766	1186	389.3	191.7
MEAN	52.6	12.9	9.55	10.1	10.5	23.6	66.8	141	92.2	38.3	12.6	6.39
MAX	71	24	12	13	26	42	146	185	128	119	36	19
MIN	19	8.6	8.6	8.4	8.9	13	20	66	61	13	3.5	3.0
AC-FT	3230	770	587	622	606	1450	3980	8670	5490	2350	772	380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81, 1991-92, BY WATER YEAR (WY)

MEAN	43.0	17.9	12.6	10.1	13.7	39.1	161	343	253	191	130	86.7
MAX	143	90.7	30.1	18.4	29.0	181	523	1538	913	297	207	178
(WY)	1938	1938	1966	1953	1943	1969	1952	1952	1952	1952	1950	1968
MIN	3.84	3.23	4.00	4.00	5.46	7.96	29.0	80.2	52.3	28.1	12.6	6.39
(WY)	1935	1935	1935	1935	1961	1991	1961	1961	1961	1961	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1935-69, 1980-81, 1991-92	
ANNUAL TOTAL	25642.9		14574.9			
ANNUAL MEAN	70.3		39.8		109	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	251	Jun 1	185	May 9	2040	Apr 28 1952
LOWEST DAILY MEAN	5.0	Mar 12	3.0	Sep 16	.90	Aug 18 1961
ANNUAL SEVEN-DAY MINIMUM	5.9	Mar 12	4.6	Sep 10	2.4	Nov 7 1934
ANNUAL RUNOFF (AC-FT)	50860		28910		78910	
10 PERCENT EXCEEDS	174		116		253	
50 PERCENT EXCEEDS	36		18		49	
90 PERCENT EXCEEDS	7.2		8.6		8.0	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼ sec. 9, T. 18 S., R. 14 E., Emery County, Hydrologic Unit 14060007, on left downstream wingwall of old highway bridge, 200 ft downstream from railroad bridge at Woodside, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--1,540 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to September 1992 (discontinued).

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above NGVD of 1929, by barometer. September 1909 to August 1911, reference point at site about 100 ft upstream at different datum. Nov. 27, 1945 to Oct. 16, 1954, water-stage recorder at site 15 ft downstream at datum 1.85 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 18,000 acres. Flow affected by storage in Scofield Reservoir, usable capacity, 65,780 acre-ft, since 1926 (see station 09311000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s Sept. 7, 1991, gage height, 13.49 ft, from rating curve extended above 6,840 ft³/s; no flow at times in 1960, 1961, 1963, and 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 22	0812	3,050	8.37	July 25	1815	3,020	8.34
July 12	unknown	*6,230	*10.82				

No flow, Aug. 13, 15-22, Sept. 14, 15.

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	e35	57	40	e28	e52	e70	49	12	e32	2.4	e4.2	4.8
2	e34	51	35	e27	e60	e67	40	12	e31	2.3	e3.1	.96
3	31	57	e35	e26	e70	e64	29	11	e26	2.2	e2.7	.52
4	27	58	e35	e28	e68	e68	28	10	e21	1.6	e2.4	2.2
5	26	53	e34	e31	e70	e76	28	10	e18	1.7	e2.0	3.6
6	23	60	e33	e35	e70	e72	26	9.6	e17	2.4	e5.4	3.2
7	24	69	e35	e33	e75	e62	26	9.9	e15	1.3	e3.1	4.2
8	26	67	e36	e31	e76	e58	26	12	e14	.47	e1.9	3.3
9	25	58	e37	e30	e80	e66	25	24	e13	20	e1.1	2.4
10	25	51	e33	e29	e84	e64	23	25	e13	5.6	e.84	1.7
11	25	45	e33	e28	e86	44	23	36	e16	6.6	e.47	1.6
12	26	47	e26	e29	e82	38	22	33	e12	e1100	e.21	.88
13	27	47	e27	e28	e110	43	19	24	e9.0	e120	e1.0	.47
14	29	46	e28	e28	e78	51	21	21	e8.1	e40	e3.2	.06
15	31	52	e25	e28	e80	53	20	17	e9.0	e11	e.19	40
16	29	55	e23	e27	e86	59	19	15	e8.2	e8.2	.00	2.8
17	30	59	e25	e26	e80	51	21	14	e7.6	e5.3	.00	1.5
18	31	54	e24	e27	e70	45	30	14	e7.0	e5.0	.00	.67
19	29	50	e25	e27	e60	41	27	15	e6.7	e4.9	.00	.45
20	29	51	e20	e29	e54	34	25	22	5.5	e4.8	.00	32
21	30	47	e22	e32	e56	32	27	304	4.6	4.3	.00	26
22	34	45	e21	e36	e57	28	22	956	3.9	3.8	8.5	14
23	34	42	e21	e40	e66	26	18	e150	3.6	3.6	300	6.2
24	37	35	e20	e47	e75	29	24	e90	3.4	3.4	156	3.6
25	41	40	e20	e42	e75	37	21	e52	3.2	e500	17	2.7
26	51	44	e19	e46	e73	35	20	e720	2.8	e173	7.2	2.2
27	120	39	e22	e49	e80	33	22	e120	3.0	e25	4.3	2.6
28	86	39	e24	e47	e78	36	15	e90	3.0	e8.4	3.6	2.7
29	79	43	e27	e44	e75	54	16	e80	2.2	e6.5	2.5	2.1
30	78	41	e30	e45	---	41	15	67	2.6	e5.2	1.8	2.3
31	74	---	e28	e45	---	70	---	43	---	e4.6	41	---
TOTAL	1226	1502	863	1048	2126	1547	727	3018.5	321.4	2083.57	573.71	171.71
MEAN	39.5	50.1	27.8	33.8	73.3	49.9	24.2	97.4	10.7	67.2	18.5	5.72
MAX	120	69	40	49	110	76	49	956	32	1100	300	40
MIN	23	35	19	26	52	26	15	9.6	2.2	.47	.00	.06
AC-FT	2430	2980	1710	2080	4220	3070	1440	5990	637	4130	1140	341

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1992, BY WATER YEAR (WY)

MEAN	92.6	65.9	42.0	35.1	61.0	117	184	294	231	102	116	112
MAX	399	337	101	80.0	227	375	768	1762	2023	427	478	494
(WY)	1984	1958	1967	1986	1983	1979	1986	1952	1983	1983	1957	1991
MIN	18.3	17.9	12.2	10.7	18.0	25.6	15.0	5.26	1.51	4.21	8.61	5.72
(WY)	1965	1991	1978	1961	1964	1961	1961	1961	1961	1960	1990	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1947 - 1992	
ANNUAL TOTAL	28667.0		15207.89			
ANNUAL MEAN	78.5		41.6		121	
HIGHEST ANNUAL MEAN					479	1983
LOWEST ANNUAL MEAN					25.9	1990
HIGHEST DAILY MEAN	6180	Sep 7	1100	Jul 12	6180	Sep 7 1991
LOWEST DAILY MEAN	7.0	May 9	.00	Aug 16	.00	Jul 21 1960
ANNUAL SEVEN-DAY MINIMUM	8.4	May 5	.03	Aug 15	.00	Jul 21 1960
ANNUAL RUNOFF (AC-FT)	56860		30160		87810	
10 PERCENT EXCEEDS	70		73		248	
50 PERCENT EXCEEDS	25		27		53	
90 PERCENT EXCEEDS	12		2.4		17	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1946 to September 1949, February 1951 to September 1988, November 1991 to July 1992.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1951 to September 30, 1978.
WATER TEMPERATURES: February 1951 to September 1959, November 1961 to September 1963, October 1964 to Sept. 30, 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemens Dec. 11, 1951; minimum daily, 814 microsiemens June 1, 1952.
WATER TEMPERATURES: Maximum, 32.0°C July 10, 11, 1954 and Apr. 7, 1977; minimum, 0.0°C on many days during winter period each year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)
NOV 25...	1030	43	4200	8.3	4.5	0.0
MAR 10...	1000	64	2340	8.4	7.0	6.0
APR 22...	0930	21	3120	8.3	14.5	14.0
MAY 29...	0945	85	1780	8.0	21.5	17.0
JUN 19...	0945	6.7	3750	8.2	25.0	18.5
JUL 20...	0945	4.8	3250	8.3	26.5	22.0

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
NOV 25...	1030	<1
MAR 10...	1000	2
APR 22...	0930	2
MAY 29...	0945	3
JUN 19...	0945	2
JUL 20...	0945	3

09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ sec. 15, T. 21 S., R. 16 E., Emery County, Hydrologic Unit 14060008, on right bank 100 ft upstream from site of old highway bridge, 500 ft upstream from railroad bridge, 1.1 mi southeast of town of Green River, 22.5 mi upstream from San Rafael River, at mile 117.4 upstream from mouth.

DRAINAGE AREA.--44,850 mi² approximately, of which about 4,260 mi² (including 3,959 mi² in Great Divide Basin in southern Wyoming) is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to October 1899, October 1904 to current year. Published as "at Blake" 1894-99, as "near Elgin" 1911, and as "at Little Valley, near Green River" 1910-23.

REVISED RECORDS.--WSP 918: 1895-1900. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft NGVD of 1929. Prior to Nov. 6, 1914, staff, wire-weight, or chain gages at several sites within 7 mi of present site at various datums. Nov. 6, 1914 to June 20, 1924, water-stage recorder at site 7 mi downstream at different datum. June 21 to Sept. 18, 1924, chain gage, and Sept. 19, 1924 to May 7, 1947, water-stage recorder, at site 100 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) since Nov. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft³/s June 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 ft³/s Nov. 26, 1931; minimum gage height, 4.08 ft Aug. 1, Dec. 5, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 14	1618	*11,000	*8.94				

Minimum discharge, 740 ft³/s Dec. 6.

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	2190	2860	2390	2560	e2630	3600	2950	4060	8360	2200	2010	1930
2	2220	2750	1970	2580	e2700	3950	2770	4340	8470	2180	1990	1900
3	2180	2730	1520	e2560	e2620	3850	2820	4950	7330	2230	1910	1910
4	2170	2660	1150	e2600	e2700	3290	2890	6570	6540	2140	1810	1930
5	2170	2600	995	e2650	e2600	3140	2800	7160	6370	2020	1720	1940
6	2170	2580	925	e2710	e2510	3250	2910	7320	6220	1960	1660	1920
7	2190	2650	1240	e2700	e2430	3830	2840	7050	5560	1920	1660	1970
8	2190	2600	2090	e2580	2360	4190	2760	7200	5000	1890	1570	1980
9	2220	2690	2480	e2510	2220	4380	2580	7860	4900	1890	1640	1970
10	2340	2480	2440	e2590	2240	4490	2610	8600	4750	2090	1860	1950
11	2340	2430	2370	e2600	2330	4530	2790	8650	4650	2300	1770	1930
12	2320	2430	2320	e2760	2300	4240	3100	9090	4470	2710	1790	1910
13	2300	2710	2230	e2700	2580	4010	3250	9750	4370	3560	1760	1900
14	2320	2570	2210	e2710	2820	3650	3290	10700	4180	2850	1730	1900
15	2330	2420	2150	e2700	2870	3360	3410	10300	4000	3330	1680	1940
16	2320	2600	2090	2710	2750	3190	3390	9310	3770	3170	1640	1960
17	2320	2850	1920	2740	2690	3140	4040	8850	3670	2970	1640	1900
18	2340	2890	2220	2910	2660	3000	4310	8550	3590	2690	1660	1910
19	2320	2850	2620	2930	2640	3150	4480	8360	3520	2600	1630	1920
20	2310	3080	e2470	2830	2650	3460	4670	8250	3350	2720	1640	1900
21	2310	3000	e2510	2790	2780	3350	4830	8010	3130	2580	1690	1850
22	2310	2990	e2520	2820	2800	3180	4810	8040	2910	2370	1720	1690
23	2330	3100	e2600	2780	2740	3430	5140	7740	2770	2230	1720	1830
24	2400	3300	e2600	2830	3010	3210	5120	7490	2690	2450	1870	1720
25	2370	2940	e2600	e2800	3260	3170	4910	7600	2550	2110	1830	1620
26	2410	2750	e2540	e2800	3290	3050	4820	7720	2440	2300	1990	1580
27	2620	2700	e2590	e2850	3340	3040	4540	8100	2430	2500	2010	1730
28	2870	2680	e2610	e2800	3780	3120	e4400	7500	2440	2410	1820	1780
29	2700	2430	2670	e2780	3630	3020	e4300	7760	2390	2350	1760	1630
30	2900	2450	2710	e2720	---	3100	4200	6940	2260	2120	1880	1610
31	2890	---	2600	e2700	---	3030	---	7160	---	2030	1860	---
TOTAL	73370	81770	68350	84300	79930	108400	111730	240980	129080	74870	54920	55610
MEAN	2367	2726	2205	2719	2756	3497	3724	7774	4303	2415	1772	1854
MAX	2900	3300	2710	2930	3780	4530	5140	10700	8470	3560	2010	1980
MIN	2170	2420	925	2510	2220	3000	2580	4060	2260	1890	1570	1580
AC-FT	145500	162200	135600	167200	158500	215000	221600	478000	256000	148500	108900	110300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1992, BY WATER YEAR (WY)

MEAN	3042	2880	2330	2292	2833	4644	7481	15600	19030	8026	3763	2849
MAX	7701	6490	5894	5739	7258	11430	18370	33940	46650	31630	11220	9960
(WY)	1983	1987	1987	1985	1962	1910	1962	1952	1921	1907	1907	1909
MIN	718	935	801	1000	1509	1617	2591	4212	2128	645	712	603
(WY)	1935	1935	1909	1910	1935	1963	1963	1990	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1906 - 1992	
ANNUAL TOTAL	1281080		1163310			
ANNUAL MEAN	3510		3178		6236	
HIGHEST ANNUAL MEAN					12280	1907
LOWEST ANNUAL MEAN					1805	1934
HIGHEST DAILY MEAN	12400	May 24	10700	May 14	66700	Jun 27 1917
LOWEST DAILY MEAN	925	Dec 6	925	Dec 6	380	Dec 5 1934
ANNUAL SEVEN-DAY MINIMUM	1410	Dec 2	1410	Dec 2	419	Jul 30 1934
ANNUAL RUNOFF (AC-FT)	2541000		2307000		4518000	
10 PERCENT EXCEEDS	8500		5130		15300	
50 PERCENT EXCEEDS	2600		2660		3450	
90 PERCENT EXCEEDS	2080		1840		1520	

e Estimated

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Daily samples collected at bridge on U.S. Highways 50 and 6, in town of Green River, 0.7 mi from gaging station.

PERIOD OF RECORD.--August 1928 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1941 to September 1981, March 1982 to current year.
WATER TEMPERATURES: May 1949 to September 1959, October 1964 to September 1981, March 1982 to current year.
SUSPENDED-SEDIMENT DISCHARGE: May 1930 to September 1984.

INSTRUMENTATION.--Water-quality monitor April 1985 to September 1989 (discontinued).

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,250 microsiemens Dec. 1, 1967; minimum daily, 255 microsiemens June 30, 1978.
WATER TEMPERATURES: Maximum, 30.0°C Aug. 13, 1958; minimum, 0.0°C on many days during winter period each year.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 66,000 mg/L July 11, 1936; minimum daily, 19 mg/L Sept. 30, 1974.
SEDIMENT LOADS: Maximum daily, 2,230,000 tons July 11, 1936; minimum daily, 54 tons Sept. 27, 1956.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 1,280 microsiemens July 13; minimum observed, 380 microsiemens June 2.
WATER TEMPERATURES: Maximum observed, 27.5°C Aug. 13, 20; minimum, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
OCT												
01...	1030	2160	870	8.4	19.5	17.0	--	8.0	662	--	--	290
NOV												
21...	1100	3020	940	8.4	4.0	4.0	190	11.2	661	<1	<1	290
MAR												
25...	1045	3190	880	8.4	11.0	9.0	230	9.9	662	<1	<1	270
APR												
21...	1030	4850	530	8.4	10.0	12.5	230	8.3	656	<1	<1	230
MAY												
28...	1115	7490	430	8.2	21.0	20.0	920	7.2	657	--	--	150
JUN												
23...	1030	2720	520	8.3	25.0	23.0	36	6.9	655	--	--	180
JUL												
21...	1000	2590	790	8.4	33.5	19.0	--	7.4	652	--	--	260
AUG												
25...	1045	1860	990	8.2	22.0	20.5	--	7.2	657	--	--	310

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT												
01...	68	30	77	36	2	3.1	--	--	--	250	25	0.3
NOV												
21...	68	30	86	39	2	2.8	10	210	185	260	27	0.3
MAR												
25...	63	28	83	40	2	3.0	7	193	171	250	29	0.3
APR												
21...	53	23	52	33	2	2.3	6	165	145	180	19	0.3
MAY												
28...	40	13	31	30	1	1.9	0	113	92	95	10	0.3
JUN												
23...	45	16	40	32	1	2.1	0	146	120	120	16	0.2
JUL												
21...	66	24	65	35	2	3.0	--	--	--	200	24	0.3
AUG												
25...	76	30	84	36	2	4.2	--	--	--	300	32	0.3

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT 01...	4.5	542	567	0.74	3160	--	--	--	0.01	--	<0.05	--
NOV 21...	5.7	613	595	0.83	5000	0.17	0.18	0.02	0.01	0.19	0.19	0.01
MAR 25...	5.4	576	565	0.78	4960	0.21	--	0.01	<0.01	0.22	0.21	0.02
APR 21...	7.2	437	425	0.59	5720	--	--	<0.01	<0.01	0.15	0.14	0.02
MAY 28...	8.2	269	256	0.37	5440	0.14	--	0.01	<0.01	0.15	0.15	0.01
JUN 23...	7.2	328	319	0.45	2410	--	--	<0.01	<0.01	<0.05	<0.05	0.01
JUL 21...	6.4	477	487	0.65	3340	--	--	--	<0.01	--	0.18	--
AUG 25...	4.4	662	627	0.90	3320	--	--	--	<0.01	--	0.18	--

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 01...	0.02	0.03	--	--	--	--	--	--	--	<0.01	--
NOV 21...	0.01	0.01	0.49	0.50	0.69	3.1	0.39	0.01	0.02	<0.01	--
MAR 25...	0.01	0.01	0.28	0.30	0.52	2.3	0.17	0.03	<0.01	0.01	0.03
APR 21...	0.01	0.01	--	<0.20	--	--	0.04	<0.01	0.02	<0.01	--
MAY 28...	0.01	0.01	0.69	0.70	0.85	3.8	0.40	0.04	0.02	<0.01	--
JUN 23...	<0.01	--	0.29	0.30	--	--	0.07	<0.01	0.01	<0.01	--
JUL 21...	0.02	0.03	--	--	--	--	--	--	--	0.01	0.03
AUG 25...	0.020	0.03	--	--	--	--	--	--	--	<0.010	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 21...	1100	10	85	<3	6	40	<1
MAR 25...	1045	30	92	<3	18	33	<1
APR 21...	1030	<10	57	<3	5	21	1
JUN 23...	1030	<10	50	<3	<3	16	3

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 21...	<10	<1	<1.0	820	<6
MAR 25...	<10	1	<1.0	670	<6
APR 21...	<10	1	<1.0	550	<6
JUN 23...	<10	<1	<1.0	420	<6

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT 01...	1030	150	--
NOV 21...	1100	--	2
MAR 25...	1045	--	2
APR 21...	1030	--	<1
MAY 28...	1115	--	<1
JUN 23...	1030	--	<1
JUL 21...	1000	150	1
AUG 25...	1045	150	--

DATE	TIME	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
MAY 28...	1115	3.7	150	2.9	70	2.1	65	0.04	1.3

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	870	---	---	910	---	840	920	---	410	650	760	840
2	890	970	960	920	860	830	940	---	380	650	780	850
3	900	970	970	920	850	840	---	670	390	650	---	830
4	910	970	1020	920	870	---	940	640	385	660	750	810
5	---	960	1090	920	840	930	950	570	---	660	740	---
6	900	970	1110	900	850	940	940	540	---	---	730	810
7	890	970	1130	900	850	910	940	490	470	650	820	840
8	900	970	1060	880	850	910	940	450	440	700	750	820
9	920	---	1140	880	850	880	---	460	490	690	770	820
10	910	960	1050	900	850	890	910	---	470	700	760	840
11	---	950	1000	880	850	860	880	520	470	---	770	850
12	900	1010	970	870	860	850	860	540	470	690	740	---
13	900	970	970	870	850	860	820	540	480	1280	780	860
14	890	960	---	870	940	---	820	530	460	910	850	---
15	900	930	950	880	850	910	810	490	480	780	810	840
16	910	920	960	910	870	930	780	---	480	740	800	840
17	950	940	970	920	860	930	---	520	490	910	800	830
18	920	960	970	920	860	940	720	540	510	900	---	850
19	---	920	970	---	890	---	730	520	510	820	---	840
20	930	910	950	930	900	940	700	500	520	800	790	830
21	---	920	930	940	930	930	660	480	520	780	780	820
22	910	910	910	940	910	910	620	510	530	750	790	840
23	900	---	---	930	930	910	---	---	530	710	790	840
24	890	900	890	930	910	900	---	500	540	710	980	860
25	920	900	880	910	880	890	590	510	550	760	960	890
26	940	900	870	920	---	---	570	480	570	790	860	870
27	---	930	890	---	---	930	580	520	---	780	840	830
28	980	---	900	900	860	920	630	460	580	---	830	850
29	910	940	---	890	860	920	650	450	600	810	---	830
30	960	950	910	840	---	930	660	470	620	930	890	800
31	930	---	900	850	---	920	---	520	---	830	840	---
MEAN	910	940	970	900	870	900	780	520	495	770	810	840

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.0	---	---	.0	---	4.0	14.5	---	21.0	20.0	24.0	17.0
2	19.0	4.0	1.0	.0	.0	5.0	15.0	---	22.0	22.0	27.0	21.5
3	19.0	3.5	.0	.0	.0	5.0	---	22.0	22.0	24.0	---	21.5
4	18.5	4.5	1.0	.0	.0	---	17.0	21.5	21.0	22.0	26.5	19.0
5	---	5.0	1.0	.0	1.0	6.0	---	20.0	---	24.0	27.0	---
6	17.5	6.0	1.0	.0	1.0	---	17.0	20.5	---	---	24.0	20.0
7	16.5	7.0	1.0	.0	1.0	10.0	17.0	21.0	21.0	22.0	26.0	21.0
8	17.5	7.0	1.0	.0	.0	8.0	17.5	22.0	23.0	23.0	26.0	21.0
9	17.0	---	2.0	.0	1.0	7.0	---	18.0	22.0	25.0	25.5	22.0
10	17.5	8.5	.5	.0	2.0	6.0	17.0	---	23.0	24.0	25.5	22.0
11	---	9.5	1.0	.0	1.0	7.0	18.0	18.5	24.0	---	25.5	18.0
12	16.0	9.5	1.0	.0	2.0	7.0	18.5	19.0	23.0	23.0	27.0	---
13	16.5	8.0	2.0	.0	2.0	7.0	18.0	19.0	23.0	23.0	27.5	20.0
14	15.0	7.0	---	.0	2.0	---	18.0	19.5	20.0	22.0	27.0	---
15	16.0	6.5	1.0	.0	2.0	11.0	16.5	19.0	20.5	25.0	27.0	21.5
16	16.0	7.5	.0	.0	3.0	11.0	18.0	---	19.0	25.0	27.0	22.0
17	15.5	7.0	.0	.0	3.0	9.0	---	19.0	21.0	25.0	25.5	22.0
18	16.5	7.0	.0	.0	4.0	11.0	15.0	20.0	23.0	25.0	---	20.0
19	---	7.0	1.0	---	4.0	---	15.0	21.0	23.5	25.0	---	21.5
20	13.5	5.5	.0	.0	3.5	11.0	15.0	20.0	24.0	27.0	27.5	21.0
21	---	5.0	.0	.0	4.0	10.0	15.0	20.0	25.0	26.0	26.0	21.0
22	15.0	5.0	.0	.0	4.5	11.0	16.0	19.0	25.0	26.0	25.0	22.0
23	13.5	---	---	.0	4.5	10.0	---	---	27.0	27.0	23.0	21.0
24	13.5	3.0	.0	.0	4.0	12.0	---	21.5	27.0	26.0	24.0	22.0
25	13.5	3.0	.0	.0	5.0	13.0	17.0	21.0	26.0	27.0	23.0	18.0
26	12.5	3.0	.0	.0	---	---	16.0	23.0	24.0	26.0	21.0	19.0
27	---	4.0	.0	---	---	12.0	18.0	22.0	---	26.0	21.0	18.0
28	9.0	---	.0	.0	5.0	13.5	20.5	22.0	24.5	---	20.0	18.0
29	7.0	3.0	---	.0	5.0	---	21.0	20.0	25.0	26.0	---	18.5
30	5.5	1.0	.0	.0	---	15.0	21.0	19.0	24.0	25.0	21.5	15.0
31	5.0	---	.0	.0	---	14.0	---	21.0	---	25.0	20.0	---
MEAN	14.5	5.5	.5	.0	2.5	9.5	17.0	20.5	23.0	24.5	25.0	20.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
21...	1100	3020	4.0	94	534	4350
MAR						
25...	1045	3190	9.0	98	645	5560
APR						
21...	1030	4850	12.5	92	796	10400
MAY						
28...	1115	7490	20.0	92	2390	48300

09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in NE¼NE¼SE¼ sec. 14, T. 14 S., R. 6 E., Emery County, Hydrologic Unit 14060009, 25 mi northwest of Huntington, 21 mi east of Fairview.

DRAINAGE AREA.--31.0 mi².

PERIOD OF RECORD.--November 1973 to current year. Not published prior to 1986. Records available from Utah Power & Light Co.

GAGE.--Elevation of gage is 8,300 ft, Utah Power and Light Co. datum.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,220 acre-ft Oct. 1, elevation, 8,533.73 ft; minimum, 11,370 acre-ft Sept. 30, elevation, 8,513.95 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16220	15780	15480	15150	14770	14480	14260	15070	15680	15190	13760	12630
2	16210	15780	15470	15150	14760	14470	14250	15120	15670	15160	13700	12610
3	16190	15760	15470	15140	14740	14470	14250	15160	15660	15140	13640	12590
4	16180	15750	15450	15110	14730	14460	14250	15200	15650	15130	13580	12540
5	16160	15730	15440	15110	14720	14450	14260	15230	15650	15110	13520	12490
6	16140	15720	15430	15090	14700	14440	14280	15260	15640	15100	13460	12400
7	16130	15710	15420	15080	14690	14430	14290	15300	15630	15070	13410	12330
8	16110	15710	15410	15070	14690	14420	14310	15330	15610	15030	13360	12250
9	16100	15710	15400	15060	14680	14410	14330	15340	15610	14980	13310	12180
10	16080	15700	15390	15050	14670	14410	14350	15450	15610	14930	13250	12110
11	16070	15690	15380	15030	14660	14390	14390	15480	15580	14870	13200	12040
12	16050	15680	15370	15020	14660	14390	14430	15500	15570	14820	13140	11950
13	16040	15670	15360	15010	14650	14380	14480	15520	15570	14770	13080	11900
14	16020	15650	15350	15000	14650	14370	14510	15540	15550	14720	13030	11830
15	16010	15650	15340	14990	14650	14360	14550	15550	15540	14660	12980	11760
16	15990	15640	15330	14980	14640	14350	14590	15570	15530	14610	12970	11700
17	15980	15620	15320	14970	14640	14350	14620	15570	15510	14550	12950	11680
18	15960	15610	15310	14950	14640	14340	14660	15580	15500	14500	12930	11650
19	15940	15610	15300	14940	14630	14340	14700	15580	15470	14450	12900	11620
20	15920	15610	15290	14930	14620	14330	14720	15590	15440	14390	12880	11600
21	15910	15600	15280	14920	14610	14320	14740	15600	15420	14330	12860	11570
22	15890	15590	15270	14910	14600	14310	14760	15630	15400	14280	12840	11540
23	15880	15580	15260	14900	14590	14300	14780	15640	15370	14230	12820	11510
24	15880	15560	15250	14880	14570	14300	14800	15640	15340	14180	12800	11480
25	15870	15550	15240	14870	14550	14290	14810	15640	15320	14130	12780	11470
26	15860	15540	15220	14860	14540	14290	14840	15640	15300	14090	12760	11450
27	15840	15530	15210	14850	14520	14280	14870	15660	15300	14030	12730	11430
28	15840	15520	15200	14830	14510	14280	14920	15680	15260	13990	12710	11410
29	15830	15510	15190	14820	14500	14270	14960	15680	15240	13930	12690	11390
30	15810	15490	15180	14800	---	14260	15020	15680	15210	13880	12670	11370
31	15800	---	15170	14790	---	14260	---	15680	---	13820	12660	---
MAX	16220	15780	15480	15150	14770	14480	15020	15680	15680	15190	13760	12630
MIN	15800	15490	15170	14790	14500	14260	14250	15070	15210	13820	12660	11370
(#)	8532.19	8531.05	8529.82	8528.36	8527.20	8526.27	8529.24	8531.75	8529.98	8524.47	8519.62	8513.95
(*)	-420	-310	-320	-380	-290	-240	+760	+660	-470	-1390	-1160	-1290

CAL YR 1991 . . . . . (*) +1580
WTR YR 1992 . . . . . (*) -4850

(#) Elevation, in feet, at end of month.
(*) change in contents, in acre-feet.

09317997 HUNTINGTON CREEK NEAR HUNTINGTON, UT

LOCATION.--Lat 39°23'07", long 111°05'15", in SE$^1/_4$NE$^1/_4$SW$^1/_4$, sec. 36, T. 16 S., R. 7 E., Emery County, Hydrologic Unit 14060009, on right bank about 500 ft upstream from bridge to Deer Creek Mine, 8 mi northwest of Huntington.

DRAINAGE AREA.--178 mi^2, approximately.

PERIOD OF RECORD.--October 1979 to current year. Water years 1981-85 not published, records available in office of Utah Power & Light Co., located in Salt Lake City, Ut.

GAGE.--Water-stage recorder. Elevation of gage is 6,450 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions to tributaries of San Pitch River (Sevier Lake Basin). Flow regulated by reservoirs above station.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharage, 1,680 ft^3/s May 24, 1984, gage height, 4.96 ft; minimum, 3.0 ft^3/s Feb. 2-5, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 211 ft^3/s May 9, gage height, 3.40 ft; minimum daily discharge, 9.9 ft^3/s Dec. 1.

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	106	26	9.9	24	e14	17	26	91	44	80	44	45
2	101	26	15	25	e16	16	26	90	42	79	44	38
3	99	24	18	26	e17	16	29	89	53	77	43	37
4	98	27	18	e26	e18	13	28	89	54	68	51	40
5	101	28	18	e25	e20	13	28	161	55	68	60	39
6	99	27	18	e25	e22	12	29	183	53	65	62	38
7	98	27	18	e24	22	14	29	183	54	64	66	38
8	123	26	19	e24	22	16	30	190	52	67	59	36
9	119	25	15	e23	21	15	32	200	50	73	55	35
10	118	25	18	e23	20	16	37	183	52	65	54	34
11	116	25	19	e23	19	16	43	172	53	63	55	34
12	116	24	19	e22	18	17	47	169	53	69	55	34
13	115	23	19	e22	17	18	46	145	49	67	55	33
14	115	22	11	e21	16	19	45	130	51	63	57	34
15	119	23	16	e21	15	20	52	129	55	52	53	33
16	125	23	17	e20	16	20	41	134	87	46	52	32
17	126	22	19	e20	15	18	46	138	78	41	52	30
18	122	22	21	e19	15	18	55	136	75	36	49	30
19	117	20	22	e19	15	18	39	132	75	36	50	31
20	112	15	22	e18	17	17	35	116	74	35	48	30
21	110	20	18	e18	15	18	38	110	74	35	50	27
22	137	20	22	e18	18	18	40	103	84	39	51	25
23	172	11	22	e17	18	19	39	88	88	43	52	29
24	153	14	20	e17	16	18	35	93	87	44	50	20
25	149	20	19	e16	15	18	39	101	88	44	50	18
26	145	21	22	e16	15	17	42	99	88	43	49	15
27	141	20	22	e15	16	20	54	86	89	42	46	15
28	135	19	24	e15	17	19	65	56	90	42	47	15
29	111	18	24	e14	17	23	89	52	91	42	51	15
30	28	16	25	e14	---	26	89	49	89	41	50	13
31	29	---	25	e13	---	27	---	46	---	43	48	---
TOTAL	3555	659	594.9	623	502	552	1273	3743	2027	1672	1608	893
MEAN	115	22.0	19.2	20.1	17.3	17.8	42.4	121	67.6	53.9	51.9	29.8
MAX	172	28	25	26	22	27	89	200	91	80	66	45
MIN	28	11	9.9	13	14	12	26	46	42	35	43	13
AC-FT	7050	1310	1180	1240	996	1090	2520	7420	4020	3320	3190	1770

CAL YR 1991 TOTAL 23081.5 MEAN 63.2 MAX 234 MIN 7.3 AC-FT 45780
WTR YR 1992 TOTAL 17701.9 MEAN 48.4 MAX 200 MIN 9.9 AC-FT 35110

e Estimated

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT
(Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE¼SE¼SE¼ sec. 14, T. 17 S., R. 4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records fair except for estimated daily discharges, which are poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft³/s June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

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	---	---	---	---	---	---	e.00	e25	14	.87	.00	.00
2	---	---	---	---	---	---	e.00	e24	12	.81	.00	.00
3	---	---	---	---	---	---	e.00	e28	13	.68	.00	.00
4	---	---	---	---	---	---	e.00	e30	9.9	.61	.00	.00
5	---	---	---	---	---	---	e.00	32	8.5	.53	e.00	.00
6	---	---	---	---	---	---	e.00	43	7.6	.47	e.04	.00
7	---	---	---	---	---	---	e.00	25	7.0	.46	e.19	.00
8	---	---	---	---	---	---	e.00	13	6.3	.41	e.00	.00
9	---	---	---	---	---	---	e.00	12	5.6	.37	e.00	.00
10	---	---	---	---	---	---	e.00	19	5.1	.30	e.01	.00
11	---	---	---	---	---	---	e.00	18	4.9	.38	e.00	.00
12	---	---	---	---	---	---	e.02	25	5.2	.22	.00	.00
13	---	---	---	---	---	---	e.01	33	5.5	.17	e.00	.00
14	---	---	---	---	---	---	e.04	34	5.2	.10	e.01	.00
15	---	---	---	---	---	---	e.08	27	5.3	.10	e.00	e.00
16	---	---	---	---	---	---	e.07	26	5.3	.10	.00	e.01
17	---	---	---	---	---	---	e.05	26	4.0	.07	.00	e.00
18	---	---	---	---	---	---	e.04	22	2.7	.05	.00	e.01
19	---	---	---	---	---	---	e.03	19	2.3	.03	.00	e.00
20	---	---	---	---	---	---	e.03	15	2.1	.02	.00	.00
21	---	---	---	---	---	---	e.08	15	2.0	e.01	.00	.00
22	---	---	---	---	---	---	e.12	18	1.8	e.00	.00	.00
23	---	---	---	---	---	---	e.12	20	1.7	.00	.00	.00
24	---	---	---	---	---	---	e.40	18	1.7	.00	.00	.00
25	---	---	---	---	---	---	e.90	17	1.6	.00	.00	.00
26	---	---	---	---	---	---	e2.0	16	1.5	.00	.00	.00
27	---	---	---	---	---	---	e8.0	16	1.2	.00	.00	.00
28	---	---	---	---	---	---	e15	19	1.0	.00	.00	.00
29	---	---	---	---	---	---	e21	17	.93	.00	.00	.00
30	---	---	---	---	---	---	e25	17	.83	.00	.00	.00
31	---	---	---	---	---	---	---	16	---	.00	.00	---
TOTAL	---	---	---	---	---	---	72.99	685	145.76	6.76	0.25	0.02
MEAN	---	---	---	---	---	---	2.43	22.1	4.86	.22	.008	.001
MAX	---	---	---	---	---	---	25	43	14	.87	.19	.01
MIN	---	---	---	---	---	---	.00	12	.83	.00	.00	.00
AC-FT	---	---	---	---	---	---	145	1360	289	13	.5	.04

e Estimated

09323000 SPRING CITY TUNNEL NEAR SPRING CITY, UT
(Transmountain diversion)

LOCATION.--Lat 39°25'34", long 111°21'51", in NW¼SW¼SE¼ sec. 16, T. 16 S., R. 5 E., Sanpete County, Hydrologic Unit 14060009, at west portal of tunnel, 11 mi east of Spring City.

PERIOD OF RECORD.--October 1949 to current year. Monthly discharges only for October 1949 to September 1960. Figures of daily discharge available from Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 9,838 ft above NGVD of 1929. Prior to Aug. 24, 1960, at datum about 0.3 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111 ft³/s July 23, 1965; possibly no flow at times in some years.

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	---	---	---	---	---	---	e.02	11	e12	3.8	1.6	1.1
2	---	---	---	---	---	---	e.04	10	e12	3.6	1.6	1.0
3	---	---	---	---	---	---	e.06	12	e11	3.4	1.5	1.0
4	---	---	---	---	---	---	e.08	13	e11	3.3	1.5	1.3
5	---	---	---	---	---	---	e.07	14	e11	3.2	1.5	1.1
6	---	---	---	---	---	---	e.06	16	10	3.0	1.7	1.0
7	---	---	---	---	---	---	e.06	17	9.3	3.0	2.6	.98
8	---	---	---	---	---	---	e.10	16	8.7	2.9	1.6	.95
9	---	---	---	---	---	---	e.15	14	7.9	2.8	1.5	.91
10	---	---	---	---	---	---	.26	11	7.6	2.8	1.5	.90
11	---	---	---	---	---	---	.37	11	7.3	2.8	1.5	.90
12	---	---	---	---	---	---	.51	14	6.8	3.3	1.4	.89
13	---	---	---	---	---	---	.49	16	6.5	2.9	1.3	.87
14	---	---	---	---	---	---	.58	16	6.3	2.6	1.3	.85
15	---	---	---	---	---	---	.64	16	6.4	2.4	2.0	.86
16	---	---	---	---	---	---	.56	16	6.3	2.4	1.5	1.0
17	---	---	---	---	---	---	.52	16	6.2	2.3	1.3	.89
18	---	---	---	---	---	---	.48	16	5.5	2.2	1.3	1.0
19	---	---	---	---	---	---	.47	15	5.1	2.2	1.2	1.0
20	---	---	---	---	---	---	.47	15	4.9	2.2	1.2	1.0
21	---	---	---	---	---	---	.51	14	4.7	2.1	1.2	.86
22	---	---	---	---	---	---	.53	12	4.4	2.0	1.2	.84
23	---	---	---	---	---	---	.53	12	4.3	2.0	1.3	.82
24	---	---	---	---	---	---	.63	12	4.2	2.0	1.2	.88
25	---	---	---	---	---	---	.83	12	4.2	2.0	1.1	.82
26	---	---	---	---	---	---	1.6	e12	4.3	1.9	1.1	.82
27	---	---	---	---	---	---	4.2	e16	3.9	1.8	1.1	.80
28	---	---	---	---	---	---	6.9	e15	3.7	1.7	1.1	.78
29	---	---	---	---	---	---	9.0	e14	3.7	1.7	1.0	.76
30	---	---	---	---	---	---	11	e13	3.6	1.6	1.1	.75
31	---	---	---	---	---	---	---	e13	---	1.6	1.1	---
TOTAL	---	---	---	---	---	---	41.72	430	202.8	77.5	43.1	27.63
MEAN	---	---	---	---	---	---	1.39	13.9	6.76	2.50	1.39	.92
MAX	---	---	---	---	---	---	11	17	12	3.8	2.6	1.3
MIN	---	---	---	---	---	---	.02	10	3.6	1.6	1.0	.75
AC-FT	---	---	---	---	---	---	83	853	402	154	85	55

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39°17'20", long 111°16'10", in NW¼NE¼ sec. 5, T. 18 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on Seeley Creek 5.2 mi upstream from Cottonwood Creek, and 12.6 mi west of Orangeville.

DRAINAGE AREA.--146 mi².

PERIOD OF RECORD.--November 1965 to current year.

GAGE.--Water-stage recorder in control house at downstream end of outlet tunnel. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by earthfill rock-faced dam. Storage began Nov. 3, 1965. Usable capacity, 54,610 acre-ft between elevations 6,910.0 and 6,989.7 ft above mean sea level. Dead storage, 870 acre-ft between elevations 6,817.0 and 6,866.5 ft. Inactive storage, 6,980 acre-ft between elevations 6,866.5 and 6,910.0 ft. Figures given herein represent total contents. Water is used for irrigation. Huntington North Reservoir, a small off-channel reservoir near Huntington, is operated in conjunction with Joes Valley Reservoir; records not included.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 66,030 acre-ft June 20, 21, 1983; minimum observed since reservoir was first filled, 7,710 acre-ft Oct. 1, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 46,470 acre-ft June 8, elevation, 6,974.8 ft; minimum observed, 28,810 acre-ft, Sept. 29, 30, elevation, 6,953.3 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	6,962.1	35,360	--
Oct. 31	--	*32,500	-2860
Nov. 30	--	*32,200	-300
Dec. 31	--	*32,050	-150
CAL YR 1991	--	--	+6920
Jan. 31	--	*31,830	-220
Feb. 29	--	*31,460	-370
Mar. 31	--	*31,830	+370
Apr. 30	6,960.4	34,030	+2200
May 31	--	*44,010	+9980
June 30	6,969.7	41,740	-2270
July 31	--	*36,970	-4770
Aug. 31	6,958.4	32,500	-4470
Sept. 30	--	*28,810	-3690
WTR YR 1992	--	--	-6550

* No gage-height reading, contents interpolated.

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE¼SE¼SW¼ sec. 2, T. 20 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on right bank 1.8 mi upstream from Dry Wash and 4.5 mi west of Ferron.

DRAINAGE AREA.--138 mi².

PERIOD OF RECORD.--May 1911 to September 1923, October 1947 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for station at site 2 mi downstream published as Ferron Creek near Ferron, Apr. 1909 to Oct. 1911, not equivalent because of diversions 1.5 mi downstream from present site.

REVISED RECORDS.--WSP 1243: 1951(P). WSP 1313: 1920(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,210 ft above NGVD of 1929, from topographic map. May 6, 1911 to Sept. 30, 1923, nonrecording gages in vicinity of present site at different datums. Dec. 19, 1947 to Sept. 30, 1966, at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Slight regulation by small reservoir above station (capacity not known). Small diversions above station for irrigation, including a transmountain diversion to tributary of San Pitch River (Sevier Lake basin). Greater part of flow diverted during irrigation season by Upper North and Upper South Canals, 1.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,180 ft³/s Aug. 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft³/s on basis of slope-area measurements at gage heights 8.70 ft and 9.71 ft; site and datum then in use; no flow Oct. 19-21, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	2321	*386	*5.30				

Minimum daily discharge, 8.2 ft³/s Jan. 3.

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	15	e13	e9.0	e9.2	e10	11	14	162	132	41	17	15
2	14	e12	e9.8	e8.7	e11	11	14	155	125	42	17	14
3	13	e11	e10	e8.2	e10	12	17	162	126	39	17	13
4	13	e13	e11	e8.6	e10	12	20	171	117	37	17	14
5	12	15	e11	e8.8	e11	11	23	177	111	35	17	17
6	13	17	e10	e9.1	e9.8	11	26	199	103	34	19	14
7	13	18	e11	e8.9	e9.8	11	27	216	99	34	47	13
8	13	16	e11	e9.3	e9.5	11	31	228	95	34	35	12
9	13	15	e10	e9.1	e9.3	12	38	221	93	34	20	11
10	13	16	e9.7	e9.5	e9.1	11	45	180	90	32	19	11
11	14	14	e11	e10	e9.4	11	56	172	88	32	22	11
12	14	e13	e10	e9.7	e9.6	12	58	213	81	34	17	12
13	13	e15	e11	e9.6	e9.9	12	53	223	77	31	16	12
14	12	e15	e10	e9.8	e9.6	13	53	222	73	31	15	11
15	12	15	e9.6	e9.9	e9.3	13	62	209	74	29	16	11
16	12	15	e9.3	e9.8	e9.7	12	53	196	73	28	17	16
17	12	e15	e9.7	e10	e10	11	65	188	69	27	16	19
18	12	14	e10	e9.8	e10	e11	80	180	64	26	15	13
19	12	e13	e11	e10	e10	e11	50	171	61	29	14	17
20	12	e13	e11	e10	e10	e10	43	176	59	25	14	13
21	12	e12	e11	e11	e11	e11	45	182	58	23	15	12
22	12	e11	e10	e12	e11	11	49	167	52	22	15	12
23	13	e10	e9.5	e13	e11	11	48	156	51	22	16	12
24	14	e11	e8.8	e11	e12	e11	47	163	53	25	14	12
25	14	e11	e9.2	e10	e12	e11	62	162	51	25	13	11
26	13	e11	e9.1	e11	e12	12	78	186	54	22	13	e11
27	14	e12	e8.8	e11	e11	12	98	210	49	21	12	11
28	e12	e12	e8.6	e11	11	12	120	171	46	21	12	11
29	e16	e11	e9.0	e12	12	14	139	154	43	19	12	11
30	e15	e10	e8.8	e11	---	15	159	151	41	18	12	11
31	e14	---	e9.3	e11	---	14	---	139	---	17	14	---
TOTAL	406	399	307.2	312.0	300.0	363	1673	5662	2308	889	535	383
MEAN	13.1	13.3	9.91	10.1	10.3	11.7	55.8	183	76.9	28.7	17.3	12.8
MAX	16	18	11	13	12	15	159	228	132	42	47	19
MIN	12	10	8.6	8.2	9.1	10	14	139	41	17	12	11
AC-FT	805	791	609	619	595	720	3320	11230	4580	1760	1060	760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-92, BY WATER YEAR (WY)

MEAN	18.1	13.7	10.7	8.82	9.84	13.6	45.3	218	295	100	42.6	24.1
MAX	70.2	32.2	21.5	13.7	20.0	26.4	128	486	732	404	128	51.0
(WY)	1917	1985	1985	1921	1922	1986	1985	1952	1984	1983	1983	1952
MIN	7.59	6.53	4.27	3.00	4.61	5.02	13.7	44.8	40.3	17.2	12.0	10.3
(WY)	1960	1956	1963	1963	1978	1977	1967	1977	1977	1977	1977	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1912-23, 1948-92	
ANNUAL TOTAL	17651.6		13537.2			
ANNUAL MEAN	48.4		37.0		66.8	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	400	Jun 9	228	May 8	1240	Jun 7 1984
LOWEST DAILY MEAN	5.6	Jan 1	8.2	Jan 3	1.0	Mar 22 1912
ANNUAL SEVEN-DAY MINIMUM	6.0	Jan 20	8.8	Jan 1	2.6	Jan 4 1960
ANNUAL RUNOFF (AC-FT)	35010		26850		48400	
10 PERCENT EXCEEDS	150		121		196	
50 PERCENT EXCEEDS	15		13		18	
90 PERCENT EXCEEDS	7.0		9.8		8.0	

e Estimated

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT

LOCATION.--Lat 38°51'30", long 110°22'10", in $SE^1/_4SE^1/_4NW^1/_4$ sec. 34, T. 22 S., R. 14 E., Emery County, Hydrologic Unit 14060009, on left bank 300 ft upstream from bridge on State Highway 24, 14.0 mi southwest of Green River, and 34.3 mi upstream from mouth.

DRAINAGE AREA.--1,628 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1909 to September 1918, September 1919 to July 1920 (gage heights only), October 1945 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,190 ft above NGVD of 1929, from topographic map. May 5, 1909 to Sept. 10, 1918, staff gage, and Sept. 10, 1919 to July 10, 1920, tape-weight gage. Nov. 29, 1945 to July 7, 1976, water-stage recorder at various sites and datums about 1 mi upstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 42,000 acres. Several small transmountain diversions from tributaries for irrigation in Sevier Lake basin, and some storage since Nov. 3, 1965, in Joes Valley Reservoir (see station 09323900).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft^3/s Sept. 2, 1909, gage height, 12.7 ft, site and datum then in use, from rating curve extended above 3,100 ft^3/s; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	2008	*1,460	*8.67	No other peak greater than base discharge.			

No flow many days July - September.

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	39	52	e26	e21	e40	81	31	11	31	2.1	.70	.00
2	41	47	25	e19	e58	76	32	10	25	2.1	.04	4.2
3	38	45	25	e18	97	71	28	9.7	20	2.2	.00	14
4	35	41	e25	e19	90	79	25	8.4	17	2.3	.00	6.8
5	31	38	e24	e20	91	103	23	7.7	16	2.4	.00	3.9
6	28	40	e24	e22	90	69	22	7.0	14	2.4	.00	2.4
7	27	41	e25	e21	100	63	21	6.7	12	2.4	.00	7.6
8	26	37	e26	e19	102	62	21	8.4	11	2.4	252	7.9
9	27	36	e27	e17	107	140	21	8.4	11	2.4	73	5.0
10	27	37	e24	e16	123	133	20	11	11	2.4	21	3.1
11	30	38	e25	e16	146	79	19	12	14	2.4	12	1.6
12	27	36	e21	e17	132	62	17	17	9.7	2.4	7.3	1.0
13	28	37	e23	e16	228	54	17	15	7.4	2.4	4.7	1.8
14	31	35	e24	e16	120	47	17	14	6.4	2.4	3.7	1.3
15	29	36	e22	e16	123	43	16	12	7.2	2.6	2.2	1.0
16	27	41	e20	e15	144	41	16	10	4.6	2.6	1.4	.76
17	29	56	e21	e14	125	39	18	10	3.5	2.6	1.2	.74
18	31	49	e22	e15	97	36	18	11	2.9	2.6	.90	.89
19	35	42	e23	e15	74	33	19	9.1	2.1	2.6	.54	.84
20	34	44	e20	e15	66	31	17	10	2.0	2.5	.00	3.1
21	34	40	e21	e14	65	31	15	368	2.0	1.5	.00	5.1
22	37	36	e20	e14	67	28	16	319	2.0	.86	.00	3.4
23	43	34	e19	e15	89	26	14	136	2.0	.68	.00	2.7
24	42	31	e19	e16	102	28	13	64	2.2	.17	.00	2.4
25	40	29	e18	e17	101	29	12	107	2.2	.00	.00	1.8
26	40	e28	e19	e19	96	30	13	65	2.2	29	.00	2.8
27	46	e27	e18	e22	111	27	14	83	2.2	15	.00	2.9
28	48	e27	e19	e21	91	33	16	47	2.2	8.0	.00	2.6
29	44	e26	e20	e24	84	42	13	45	2.2	4.8	.00	2.1
30	52	e26	e21	e23	---	47	11	41	2.1	1.9	.00	2.1
31	56	---	e22	e29	---	32	---	31	---	1.1	.00	---
TOTAL	1102	1132	688	561	2959	1695	555	1514.4	249.1	111.21	380.68	95.83
MEAN	35.5	37.7	22.2	18.1	102	54.7	18.5	48.9	8.30	3.59	12.3	3.19
MAX	56	56	27	29	228	140	32	368	31	29	252	14
MIN	26	26	18	14	40	26	11	6.7	2.0	.00	.00	.00
AC-FT	2190	2250	1360	1110	5870	3360	1100	3000	494	221	755	190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-92, BY WATER YEAR (WY)

MEAN	94.4	68.3	47.7	44.5	73.6	108	113	324	584	155	92.3	74.8
MAX	848	358	125	224	200	729	748	1626	2772	965	344	309
(WY)	1917	1958	1910	1911	1910	1910	1910	1914	1983	1983	1916	1961
MIN	.85	5.68	11.8	13.1	20.9	23.3	6.84	3.72	1.09	.31	.38	.11
(WY)	1957	1978	1978	1991	1977	1976	1977	1977	1977	1961	1960	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1910-18, 1946-92	
ANNUAL TOTAL	13614.8		11043.22			
ANNUAL MEAN	37.3		30.2		148	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					17.6	1990
HIGHEST DAILY MEAN	1130	Sep 8	368	May 21	7300	Oct 8 1916
LOWEST DAILY MEAN	4.6	May 18	.00	Jul 25	.00	Aug 24 1910
ANNUAL SEVEN-DAY MINIMUM	5.9	May 12	.00	Aug 20	.00	Aug 15 1915
ANNUAL RUNOFF (AC-FT)	27000		21900		107300	
10 PERCENT EXCEEDS	52		75		325	
50 PERCENT EXCEEDS	24		19		51	
90 PERCENT EXCEEDS	8.4		1.5		11	

e Estimated

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1946 to September 1949, October 1950 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July to September 1949, November 1950 to September 1962, October 1964 to September 1979, daily, October 1979 to September 1980, March 1982 to current year.
WATER TEMPERATURES: July to September 1949, October 1950 to September 1962, October 1964 to September 1978.
SUSPENDED-SEDIMENT DISCHARGE: March 1948 to September 1949, October 1950 to September 1959.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily (water years 1949, 1951-70, 1974-76), 7,230 microsiemens July 15, 1954, and June 29, 1977; minimum daily (water years 1949, 1951-76), 689 microsiemens June 29, 1957.
WATER TEMPERATURES: Maximum (water years 1949, 1951-61, 1966-76), 35.0°C July 11, 1954; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 4,650 microsiemens May 7, 9; minimum observed, 920 microsiemens Oct. 2.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	SPECIFIC CONDUCTANCE (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE AIR (DEG C)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	BAROMETRIC PRESSURE (MM OF HG)	HARDNESS TOTAL (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 02...	1300	43	920	8.2	25.0	18.5	7.7	656	1100	200	140
NOV 25...	1230	26	3800	8.3	6.0	2.0	11.8	662	1400	260	180
MAR 10...	1220	127	1850	8.2	10.0	6.5	10.3	657	510	120	52
APR 22...	1115	17	3800	8.2	18.5	18.0	7.6	651	1600	300	210
MAY 29...	1215	46	2800	8.2	25.5	20.5	7.2	652	1000	220	110
JUN 19...	1215	2.2	3810	8.2	32.5	22.0	6.9	650	1400	290	160
JUL 20...	1230	3.0	3500	8.2	33.5	25.5	6.7	651	1400	380	120
AUG 13...	1230	5.1	3150	8.1	39.5	27.0	6.3	655	1700	540	81

DATE	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	CARBONATE WATER DIS IT FIELD MG/L AS CO3	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
OCT 02...	340	40	5	10	--	--	--	1500	47	0.3	6.2
NOV 25...	410	39	5	10	0	398	322	1900	67	0.4	7.1
MAR 10...	220	48	4	4.9	0	415	340	770	36	0.4	5.6
APR 22...	510	41	6	12	0	349	286	2300	140	4.9	4.9
MAY 29...	360	44	5	9.9	0	298	244	1200	61	0.5	8.9
JUN 19...	410	39	5	14	0	281	230	1900	120	<0.1	8.0
JUL 20...	330	33	4	14	0	195	160	1900	97	0.4	6.7
AUG 13...	200	20	2	13	0	181	148	1700	110	0.4	6.6

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT 02...	2470	2370	3.36	287	--	--	0.02	0.01	<0.05	<0.05	0.02
NOV 25...	3070	3030	4.18	216	0.06	--	0.01	<0.01	0.08	0.06	0.03
MAR 10...	1370	1420	1.86	470	1.05	1.09	0.05	0.01	1.10	1.10	0.04
APR 22...	4020	3650	5.47	185	--	--	0.01	<0.01	<0.05	<0.05	0.03
MAY 29...	2490	2120	3.39	309	0.32	--	0.01	<0.01	0.33	0.32	0.03
JUN 19...	3300	3040	4.49	20	--	--	<0.01	<0.01	<0.05	<0.05	0.03
JUL 20...	3110	2940	4.23	25	--	--	<0.01	<0.01	<0.05	<0.05	0.05
AUG 13...	2820	2740	3.84	39	--	--	<0.01	<0.01	0.28	0.29	0.11

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 02...	0.02	0.03	0.38	0.40	--	--	0.08	0.02	<0.01	--
NOV 25...	0.03	0.04	0.37	0.40	0.48	2.1	0.06	<0.01	<0.01	--
MAR 10...	0.04	0.05	1.7	1.7	2.8	12	1.20	<0.01	<0.01	--
APR 22...	0.02	0.03	0.17	0.20	--	--	<0.01	<0.01	<0.01	--
MAY 29...	0.03	0.04	0.97	1.0	1.3	5.9	0.68	<0.01	<0.01	--
JUN 19...	0.03	0.04	0.27	0.30	--	--	0.02	<0.01	<0.01	--
JUL 20...	0.06	0.08	0.25	0.30	--	--	<0.01	<0.01	<0.01	--
AUG 13...	0.11	0.14	0.19	0.30	0.58	2.6	0.04	0.03	0.02	0.06

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)
MAR 10...	1220	3.6	>5.0
MAY 29...	1215	7.9	<5.0
JUN 19...	1215	280	0.3
JUL 20...	1230	5.7	0.4

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
OCT 02...	1300	360
NOV 25...	1230	330
MAR 10...	1220	160
APR 22...	1115	410
MAY 29...	1215	320
JUN 19...	1215	450
JUL 20...	1230	350
AUG 13...	1230	240

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
JUL 20...	1230	140	2	<10	<1	<1	2	170

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUL 20...	<1	150	40	3	4	2	<10

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	920	---	---	---	---	---	---	4320	---	---	---	4410
3	---	---	---	---	---	3430	---	---	---	---	---	---
4	---	---	---	3000	---	---	---	4320	4030	---	---	---
5	---	3300	---	---	---	---	---	---	---	3210	---	---
6	3000	---	---	---	---	---	---	4640	4050	---	---	3180
7	---	---	---	---	---	---	---	4650	4040	---	---	---
8	---	---	---	2980	---	---	---	---	---	---	---	---
9	---	3310	---	---	---	---	4150	4650	4050	3180	---	---
10	---	---	---	---	3230	1850	4160	---	---	---	---	3670
11	3010	---	---	---	---	---	4280	4320	4000	---	3300	---
12	---	---	---	3000	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	4270	4500	---	3480	3150	---
14	---	---	---	---	---	---	---	---	4030	---	---	3700
15	---	---	3100	---	3200	---	---	4370	4010	---	3280	---
16	---	3380	---	3340	---	---	4050	4290	3840	3500	---	---
17	3010	---	---	---	---	---	---	---	3800	---	---	---
18	---	---	---	---	---	---	4060	4370	---	3670	---	---
19	---	---	3080	---	3460	---	4060	---	4010	---	---	---
20	3080	3550	---	3360	---	---	---	2400	---	3500	---	---
21	---	---	---	---	---	---	4300	---	---	---	---	---
22	---	---	3080	---	---	---	4310	1910	4000	---	---	---
23	---	---	---	---	---	---	---	2440	---	---	---	---
24	---	---	---	3340	---	---	---	2400	4020	---	---	---
25	---	3560	---	---	---	---	---	2410	---	---	---	---
26	---	---	3050	---	3500	---	4310	---	3950	---	---	---
27	---	---	---	---	---	---	---	---	4200	---	---	---
28	---	---	3000	---	---	---	---	---	---	---	---	---
29	---	---	---	---	3420	---	---	2800	---	---	---	---
30	---	3000	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 02...	1300	43	18.5	99	216	25
NOV 25...	1230	26	2.0	--	226	16
MAR 10...	1220	127	6.5	99	10400	3570
APR 22...	1115	17	18.0	--	106	4.9
MAY 29...	1215	46	20.5	100	1650	205

09329050 SEVEN MILE CREEK NEAR FISH LAKE, UT

LOCATION.--Lat 38°37'40", long 111°38'50", in SE¼SW¼SW¼ sec. 13, T. 25 S., R. 2 E., Sevier County, Hydrologic Unit 14070003, on left bank 0.4 mi upstream from bridge on State Highway 25, about 0.7 mi upstream from Johnson Valley Reservoir, and 3.5 mi northeast of north end of Fish Lake.

DRAINAGE AREA.--24.0 mi².

PERIOD OF RECORD.--October 1964 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 9,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 369 ft³/s June 1, 1984, gage height, 4.03 ft; minimum, 1.9 ft³/s Nov. 16, 17, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 28	2225	128	2.61	May 26	2205	*316	*3.41
May 9	0539	99	2.43				

Minimum daily, 2.8 ft³/s Jan. 2.

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	6.4	e5.2	e3.4	e2.9	e4.2	e5.9	e10	68	20	7.1	5.9	6.0
2	6.2	e5.4	e3.9	e2.8	e4.1	e6.0	e11	60	14	7.1	5.9	5.9
3	6.1	e4.8	e3.9	e3.0	e4.3	e5.7	e12	55	15	6.8	5.9	5.7
4	6.0	e5.2	e4.1	e3.2	e4.3	e5.3	e12	46	13	6.7	6.0	6.1
5	6.2	e5.4	e4.3	e3.3	e4.2	e5.5	e14	43	13	6.5	6.6	6.1
6	6.2	e5.7	e4.2	e3.4	e4.4	e5.7	e13	46	12	6.3	7.8	5.9
7	6.2	e6.0	e4.4	e3.5	e4.5	e5.5	e13	39	12	6.5	6.5	5.8
8	6.2	e5.7	e4.6	e3.4	e4.4	e5.2	e15	40	12	6.7	6.2	5.6
9	6.2	e5.6	e4.4	e3.2	e4.4	e4.9	e16	64	12	6.6	6.2	5.4
10	6.2	e6.2	e4.3	e3.4	e4.6	e5.2	e16	33	12	6.6	6.3	5.5
11	6.1	e5.4	e4.8	e3.4	e4.4	e5.4	e18	29	12	7.5	6.3	5.5
12	6.2	e5.2	e4.5	e3.4	e4.3	e5.8	e21	28	11	8.0	6.1	5.7
13	6.0	e4.7	e4.6	e3.2	e4.5	e6.4	e20	26	10	9.9	5.9	5.6
14	6.0	e4.6	e4.4	e3.1	e4.3	e6.8	e20	24	9.9	7.3	5.8	5.2
15	6.0	e4.8	e4.2	e3.1	e4.1	e6.6	e19	23	10	6.8	5.9	5.6
16	6.0	e4.6	e4.0	e3.0	e3.9	e6.5	e18	21	9.8	6.4	5.8	6.0
17	5.9	e4.5	e3.8	e3.0	e3.9	e6.3	e19	20	9.3	6.2	5.6	5.8
18	6.0	e4.6	e4.0	e3.2	e4.1	e6.2	e20	19	8.8	6.3	5.6	5.6
19	6.1	e4.3	e4.3	e3.1	e4.1	e5.9	e19	20	8.4	6.6	5.7	6.3
20	6.2	e4.3	e4.3	e3.3	e4.3	e6.3	e18	34	8.3	6.2	5.7	5.6
21	6.2	e4.2	e4.3	e3.3	e4.5	e6.6	e17	43	8.3	6.0	5.7	5.5
22	6.3	e4.1	e4.2	e3.5	e4.7	e6.5	e18	32	7.9	6.2	5.7	5.7
23	6.7	e3.9	e4.1	e3.6	e4.6	e6.7	e18	24	7.8	6.1	7.4	5.6
24	6.9	e4.2	e3.6	e3.5	e4.4	e6.6	e18	25	8.1	6.4	6.3	5.4
25	6.8	e4.3	e3.7	e3.7	e4.7	e6.8	19	21	8.2	6.7	5.7	5.3
26	6.8	e4.5	e3.6	e3.6	e4.9	e7.2	38	58	12	6.4	5.8	5.5
27	6.3	e4.7	e3.4	e3.6	e5.4	e7.4	53	44	8.3	7.0	5.7	5.6
28	e6.0	e4.8	e3.3	e3.8	e5.7	e7.6	70	23	7.5	6.6	5.7	5.5
29	e5.6	e4.1	e3.3	e3.8	e6.0	e8.1	73	21	7.3	6.3	5.6	5.5
30	e5.6	e3.5	e3.7	e3.9	---	e8.5	72	21	7.0	6.0	5.8	5.4
31	e5.0	---	e3.2	e4.2	---	e9.4	---	18	---	6.0	6.5	---
TOTAL	190.6	144.5	124.8	104.4	130.2	198.5	720	1068	314.9	207.8	187.6	169.9
MEAN	6.15	4.82	4.03	3.37	4.49	6.40	24.0	34.5	10.5	6.70	6.05	5.66
MAX	6.9	6.2	4.8	4.2	6.0	9.4	73	68	20	9.9	7.8	6.3
MIN	5.0	3.5	3.2	2.8	3.9	4.9	10	18	7.0	6.0	5.6	5.2
AC-FT	378	287	248	207	258	394	1430	2120	625	412	372	337

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	9.53	8.44	7.51	6.77	6.43	6.87	14.4	46.9	37.7	13.7	11.1	9.85
MAX	15.7	12.5	13.1	11.3	9.79	10.3	32.0	118	140	38.7	28.6	19.1
(WY)	1985	1985	1985	1985	1985	1986	1981	1984	1983	1984	1984	1984
MIN	4.24	4.16	3.91	3.37	3.85	4.72	5.02	10.6	5.31	4.30	3.87	3.70
(WY)	1978	1978	1978	1992	1987	1978	1967	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	3779.8		3561.2			
ANNUAL MEAN	10.4		9.73		15.0	
HIGHEST ANNUAL MEAN					32.6	1984
LOWEST ANNUAL MEAN					7.33	1990
HIGHEST DAILY MEAN	89	Jun 5	73	Apr 29	227	Jun 1 1984
LOWEST DAILY MEAN	3.2	Dec 31	2.8	Jan 2	2.5	Jan 21 1987
ANNUAL SEVEN-DAY MINIMUM	3.5	Dec 25	3.1	Jan 13	3.1	Jan 13 1992
ANNUAL RUNOFF (AC-FT)	7500		7060		10840	
10 PERCENT EXCEEDS	17		20		29	
50 PERCENT EXCEEDS	6.0		6.0		8.5	
90 PERCENT EXCEEDS	4.2		3.7		5.0	

e Estimated

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'03", in SW¼NE¼NW¼ sec. 7, T. 29 S., R. 4 E., Wayne County, Hydrologic Unit 14070003, on left bank 150 ft upstream of county road bridge, 2.9 mi southeast of Bicknell along Highway U-24.

DRAINAGE AREA.--751 mi².

PERIOD OF RECORD.--May 1909 to December 1912, published as "near Thurber", October 1937 to September 1958 (1944-46, fragmentary), October 1976 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map. May 1909 to December 1912, staff gage near present site at different datum. October 1937 to June 28, 1949, staff gages on two canals and river station about 0.25 mi downstream at different datums. June 28, 1949 to Apr. 29, 1958, water-stage recorders replaced staff gages on river and canal site using same datum. Apr. 29 to Sept. 30, 1958, staff gage on river at site 600 ft farther downstream from water-stage recorder at datum 1.67 ft lower. October 1, 1976 to April 2, 1990, water-stage recorders at site about 0.30 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 10,600 acres above station. Flow regulated by Fish Lake and Johnson, Forsythe, and Mill Meadow Reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,200 ft³/s Apr. 5, 1942, gage height, 5.8 ft, site and datum in use (from floodmarks), from rating curve extended above 700 ft³/s; minimum observed, 18 ft³/s June 2, 4, 13-15, 17, 18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 153 ft³/s May 26, gage height, 4.64 ft; minimum daily discharge, 69 ft³/s May 16.

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	83	90	e75	e96	93	109	102	81	80	77	73	98
2	78	90	e75	e93	94	111	95	82	81	78	75	92
3	78	83	e73	e90	95	133	93	78	77	79	75	88
4	79	89	71	88	97	113	92	75	76	76	76	91
5	81	89	72	89	97	113	91	79	86	72	82	92
6	81	86	73	92	96	108	88	73	77	74	87	93
7	80	84	74	91	96	106	86	74	74	73	78	88
8	81	84	77	e92	101	110	80	78	76	71	74	86
9	81	85	77	e93	104	108	78	76	79	72	74	83
10	81	86	77	95	105	103	77	74	78	72	83	83
11	82	85	81	98	103	103	77	74	77	77	82	85
12	83	84	78	93	102	103	78	74	77	73	83	85
13	81	86	78	e90	105	103	79	72	79	73	84	82
14	79	91	76	e88	103	102	80	71	79	77	88	83
15	81	97	78	86	101	101	85	70	79	77	88	83
16	82	104	79	86	103	99	87	69	80	74	92	84
17	79	99	81	86	99	99	86	70	80	73	94	84
18	78	103	83	87	99	96	84	72	78	73	94	84
19	78	95	86	e88	101	95	84	74	75	74	93	87
20	77	94	88	e88	104	96	86	87	73	73	91	86
21	75	99	87	e89	107	96	85	89	73	70	86	83
22	75	96	90	e89	118	97	88	92	76	71	86	79
23	78	92	89	89	112	97	85	85	78	70	89	74
24	85	90	88	89	102	95	85	88	74	74	89	73
25	84	e88	89	89	105	94	86	101	74	83	88	70
26	80	e86	90	89	104	94	84	110	76	80	90	72
27	78	e84	91	90	103	97	83	122	79	83	87	74
28	77	e82	93	90	107	107	79	91	75	79	86	73
29	80	e80	95	92	109	99	84	88	80	75	87	73
30	88	75	97	92	---	102	83	89	80	74	91	74
31	e90	---	98	93	---	104	---	84	---	75	101	---
TOTAL	2493	2676	2559	2800	2965	3193	2550	2542	2326	2322	2646	2482
MEAN	80.4	89.2	82.5	90.3	102	103	85.0	82.0	77.5	74.9	85.4	82.7
MAX	90	104	98	98	118	133	102	122	86	83	101	98
MIN	75	75	71	86	93	94	77	69	73	70	73	70
AC-FT	4940	5310	5080	5550	5880	6330	5060	5040	4610	4610	5250	4920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1992, BY WATER YEAR (WY)

MEAN	87.0	91.2	86.8	88.3	97.5	107	136	94.1	79.5	73.2	79.5	77.3
MAX	145	140	133	131	135	166	412	163	174	135	139	119
(WY)	1985	1985	1985	1985	1984	1985	1987	1985	1984	1984	1984	1984
MIN	54.1	59.7	63.7	66.1	70.0	66.4	63.3	58.7	46.1	50.7	46.3	51.4
(WY)	1980	1980	1979	1980	1980	1980	1980	1981	1980	1980	1980	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1977 - 1992	
ANNUAL TOTAL	30747		31554			
ANNUAL MEAN	84.2		86.2		91.4	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	134	Sep 7	133	Mar 3	813	Apr 17 1987
LOWEST DAILY MEAN	67	Jun 17	69	May 16	34	Jul 31 1986
ANNUAL SEVEN-DAY MINIMUM	69	Jul 1	71	May 12	38	Jul 29 1986
ANNUAL RUNOFF (AC-FT)	60990		62590		66190	
10 PERCENT EXCEEDS	96		102		129	
50 PERCENT EXCEEDS	83		85		83	
90 PERCENT EXCEEDS	73		74		56	

e Estimated

09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'40", long 111°04'00", in NE¼NE¼NE¼ sec. 20, T. 29 S., R. 8 E., Wayne County, Hydrologic Unit 14070003, on right bank 2.0 mi downstream from Pleasant Creek, 4.5 mi southwest of Caineville, and 9.8 mi east of Fruita, Utah.

DRAINAGE AREA.--1,208 mi².

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder and bubble gage. Elevation of gage is 4,750 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 ft³/s July 24, 1984, gage height, 10.20 ft, from rating curve extended above 4,000 ft³/s on basis of slope-conveyance study; minimum discharge, 10 ft³/s June 9, 1981, July 31, Aug. 1, 1986, June 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
July 24	unknown	*2,460	*5.61	No other peak greater than base discharge.			

Minimum daily discharge, 24 ft³/s June 30, July 2.

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	e66	e74	e70	e75	e78	109	111	40	73	28	e34	44
2	e65	e73	e64	e73	e80	109	99	42	114	24	e34	46
3	e64	e70	e65	e73	e80	128	93	43	70	30	e35	30
4	e63	e71	e65	e71	e81	123	90	41	136	32	e37	30
5	e61	e74	e66	e70	e82	110	81	35	93	40	e40	35
6	e59	e73	e66	e72	e82	109	84	36	83	e37	e100	36
7	e57	e74	e67	e72	e83	103	81	36	54	e32	e120	36
8	53	e74	e67	e73	e85	107	77	42	57	e27	e42	31
9	55	e74	e68	e73	e90	107	72	47	82	37	e40	27
10	56	e75	e68	e74	e94	98	71	45	65	e35	e45	27
11	56	e75	e72	e75	e93	97	68	42	63	e45	e45	28
12	53	e77	e71	e70	e91	99	66	39	59	e150	e45	31
13	58	77	e69	e68	e94	97	66	40	50	e60	e46	32
14	54	81	e68	e67	e91	99	68	38	48	e45	e46	31
15	53	118	e67	e66	e90	98	67	38	34	e45	e46	26
16	51	125	e66	e66	e91	95	69	42	32	e38	e47	31
17	55	98	e64	e68	e90	95	68	43	32	e35	e47	34
18	57	96	e66	e70	e93	94	68	39	29	e35	45	31
19	57	87	e68	e70	e92	91	65	39	31	e34	47	35
20	58	85	e69	e71	e96	91	65	75	35	e34	38	37
21	54	84	e70	e71	e96	93	60	92	29	e32	31	36
22	53	87	e72	e72	e108	95	60	71	29	e32	26	e34
23	56	75	e71	e72	e104	95	58	67	32	e33	53	e32
24	69	75	e71	e72	e102	93	54	81	34	e200	39	e32
25	65	78	e72	e71	104	92	53	123	36	e90	34	e30
26	65	e78	e73	e71	105	92	51	101	40	e50	34	e31
27	66	e77	e73	e72	104	95	44	124	39	e60	33	e32
28	e64	e77	e74	e73	104	122	42	89	44	e50	32	e32
29	e65	77	e75	e75	109	106	38	118	38	e37	29	e33
30	e72	e72	e76	e76	---	102	39	82	24	e35	29	e34
31	e73	---	e76	e78	---	117	---	73	---	e33	40	---
TOTAL	1853	2431	2149	2220	2692	3161	2028	1863	1585	1495	1359	984
MEAN	59.8	81.0	69.3	71.6	92.8	102	67.6	60.1	52.8	48.2	43.8	32.8
MAX	73	125	76	78	109	128	111	124	136	200	120	46
MIN	51	70	64	66	78	91	38	35	24	24	26	26
AC-FT	3680	4820	4260	4400	5340	6270	4020	3700	3140	2970	2700	1950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1992, BY WATER YEAR (WY)

MEAN	67.4	86.8	88.4	91.4	98.5	103	101	67.3	46.0	50.5	61.5	58.1
MAX	122	133	134	136	143	170	334	213	155	171	162	111
(WY)	1985	1985	1986	1985	1985	1985	1987	1973	1983	1985	1971	1984
MIN	38.0	58.6	66.7	60.2	82.5	79.3	52.5	26.6	21.3	25.3	24.0	23.8
(WY)	1980	1982	1969	1975	1979	1981	1976	1974	1981	1980	1978	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1968 - 1992	
ANNUAL TOTAL	24220		23820			
ANNUAL MEAN	66.4		65.1		76.5	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	310	Aug 7	200	Jul 24	1200	Jul 19 1985
LOWEST DAILY MEAN	22	Jul 30	24	Jun 30	12	Jun 27 1980
ANNUAL SEVEN-DAY MINIMUM	26	Jul 26	29	Sep 9	13	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	48040		47250		55400	
10 PERCENT EXCEEDS	90		99		115	
50 PERCENT EXCEEDS	69		67		74	
90 PERCENT EXCEEDS	33		32		30	

e Estimated

09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in NE¼NW¼NE¼ sec. 21, T. 21 S., R. 6 E., Emery County, Hydrologic Unit 14070002, on left bank 100 ft upstream from Emery Canal and 4.1 mi north of Emery.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--April to July 1909, July 1910 to July 1914, June 1949 to current year.

REVISED RECORDS.--WSP 1633: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map. Apr. 29 to July 31, 1909, reference point. July 23, 1910 to July 16, 1914, staff gages, at sites about 1 mi upstream at different datums. June 29, 1949 to May 1, 1957, water-stage recorder at site 100 ft upstream at datum 2.89 ft higher prior to Mar. 20, 1953, and at datum 1.89 ft higher thereafter.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small diversion for irrigation and two storage reservoirs (total capacity 700 acre-ft) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft³/s May 10, 1952, gage height, 11.14 ft, present datum from rating curve extended above 400 ft³/s on basis of slope-area measurement of peak flow; no flow Apr. 13-16, 1911.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	2236	*243	*2.98				

Minimum daily discharge, 5.4 ft³/s Jan. 3.

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	20	e9.5	e5.5	e6.0	e6.9	8.6	11	53	74	38	26	27
2	19	e9.0	e6.4	e5.7	e7.2	8.3	12	53	71	37	26	26
3	19	e8.6	e6.5	e5.4	e6.9	8.7	14	54	74	36	27	26
4	19	e10	e6.6	e5.6	e6.8	10	17	56	71	35	36	29
5	18	12	e6.7	e5.8	e7.1	8.2	19	57	70	34	30	27
6	16	11	e6.4	e6.0	e6.8	8.2	21	61	68	34	29	25
7	16	12	e6.6	e5.9	e6.7	8.2	21	63	68	33	26	25
8	16	11	e6.8	e6.2	e6.7	8.8	24	70	66	33	27	25
9	16	10	e6.6	e5.9	e6.6	9.6	28	73	65	33	23	26
10	15	10	e6.5	e5.9	e6.5	9.0	30	64	63	32	21	25
11	15	9.9	e7.2	e6.2	e6.4	9.6	32	61	62	31	21	25
12	15	8.4	e6.8	e6.1	e6.6	9.1	30	66	60	31	21	25
13	15	10	e7.0	e6.1	e6.8	9.5	28	65	59	31	22	25
14	13	10	e6.6	e6.2	e7.0	11	27	64	57	29	25	24
15	13	10	e6.3	e6.4	e6.8	11	30	66	57	29	25	24
16	12	10	e6.0	e6.2	e6.6	10	27	65	57	28	24	25
17	12	10	e5.7	e6.6	e6.8	9.3	32	64	55	30	26	24
18	12	9.4	e6.3	e6.4	e7.0	9.1	42	64	53	30	25	23
19	12	e8.4	e7.0	e6.7	e7.0	9.1	29	66	51	30	25	23
20	12	e7.1	e6.8	e6.9	e7.1	8.5	26	72	49	29	25	15
21	12	e6.8	e7.0	e7.2	e7.6	9.0	27	84	47	28	28	14
22	12	e6.5	e6.6	e7.4	e7.6	9.0	27	75	46	28	26	14
23	12	e6.2	e6.2	e7.9	e7.7	8.9	27	68	45	29	27	14
24	12	e6.3	e5.6	e7.2	e8.6	8.9	27	74	44	29	24	13
25	12	e6.7	e6.2	e6.8	e8.6	9.1	30	70	45	37	24	13
26	12	e6.8	e6.1	e7.2	e8.6	10	34	102	46	28	26	13
27	11	e7.2	e6.0	e7.4	e8.4	10	39	112	42	27	26	13
28	8.8	e7.4	e5.6	e7.4	e8.4	10	43	87	41	28	26	13
29	12	e6.6	e5.9	e7.6	e8.9	11	47	85	40	28	26	13
30	11	e6.0	e5.8	e7.4	---	11	50	83	39	26	26	12
31	e10	---	e6.2	e7.3	---	11	---	76	---	26	30	---
TOTAL	429.8	262.8	197.5	203.0	210.7	291.7	851	2173	1685	957	799	626
MEAN	13.9	8.76	6.37	6.55	7.27	9.41	28.4	70.1	56.2	30.9	25.8	20.9
MAX	20	12	7.2	7.9	8.9	11	50	112	74	38	36	29
MIN	8.8	6.0	5.5	5.4	6.4	8.2	11	53	39	26	21	12
AC-FT	853	521	392	403	418	579	1690	4310	3340	1900	1580	1240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-92, BY WATER YEAR (WY)

MEAN	18.2	11.8	9.26	7.97	8.55	12.3	33.4	101	123	69.5	40.3	25.6
MAX	60.9	34.8	22.6	14.6	16.1	37.7	112	306	330	239	104	59.7
(WY)	1985	1985	1985	1985	1958	1911	1985	1952	1983	1983	1983	1983
MIN	4.78	3.73	2.00	2.00	3.09	5.72	7.84	14.2	15.7	17.1	7.55	9.58
(WY)	1978	1912	1912	1911	1911	1977	1967	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1911-13, 1950-92	
ANNUAL TOTAL	10016.5		8686.5			
ANNUAL MEAN	27.4		23.7		38.5	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	141	Jun 13	112	May 27	515	Jun 3 1952
LOWEST DAILY MEAN	4.6	Jan 1	5.4	Jan 3	.00	Apr 13 1911
ANNUAL SEVEN-DAY MINIMUM	5.0	Jan 20	5.8	Jan 1	1.0	Apr 10 1911
ANNUAL RUNOFF (AC-FT)	19870		17230		27910	
10 PERCENT EXCEEDS	76		61		98	
50 PERCENT EXCEEDS	14		14		17	
90 PERCENT EXCEEDS	5.7		6.4		6.8	

e Estimated

09333500 DIRTY DEVIL RIVER ABOVE POISON SPRING WASH, NEAR HANKSVILLE, UT

LOCATION.--Lat 38°05'39", long 110°24'24", in SE¼SW¼SE¼ sec. 20, T. 31 S., R. 14 E., Garfield County, Hydrologic Unit 14070004, on right bank 0.25 mi upstream from Poison Spring Wash and 25.5 mi south-east of Hanksville.

DRAINAGE AREA.--4,159 mi².

PERIOD OF RECORD.--June 1948 to current year. Prior to October 1968 published as "near Hite."

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-80-1: 1979, 1977-79(P).

GAGE.--Water-stage recorder. Elevation of gage is 3,850 ft above NGVD of 1929, from topographic map. Prior to July 15, 1964, at site 28 mi downstream at different datum. July 15, 1964 to Dec. 14, 1976, approximately 1,200 ft upstream at datum 4.83 ft higher. Dec. 15, 1976 to Sept. 30, 1980 at site 400 ft upstream at datum 4.28 ft higher.

REMARKS.--Records poor. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 35,000 ft³/s Nov. 4, 1957, gage height, 28.1 ft from floodmarks, site and datum then in use, from rating curve extended above 9,000 ft³/s on basis of slope-area measurement at gage height 20.65 ft; no flow at times many years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s, and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
July 25	0949	*2,720	*9.54	No other peak greater than base discharge.			

No flow many days June-September.

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	e31	e39	e62	e62	e70	165	176	28	e50	.00	e6.0	e3.0
2	e30	e40	e58	e60	e73	167	167	22	e47	.00	e3.0	e5.0
3	e29	e41	e57	e60	e74	172	135	15	e72	.00	e.00	e6.0
4	e28	e39	e58	e59	e76	184	118	15	e38	.00	e.00	e2.0
5	e26	e40	e59	e58	e78	211	111	15	25	.00	e.00	e1.0
6	e24	e42	e59	e59	e85	162	104	25	21	.00	e.00	e.50
7	e22	e45	e60	e60	e92	152	105	26	14	.00	e.00	e.00
8	e22	e47	e61	e60	e110	145	107	26	9.6	.00	e102	e.00
9	e21	e48	e61	e61	e120	144	104	26	6.6	.00	e198	e.00
10	e20	e47	e60	e60	e140	146	105	23	5.6	.00	e64	.00
11	e22	e50	e63	e61	e170	150	e99	24	5.3	95	e38	.00
12	e22	e50	e64	e63	e200	141	e95	34	3.3	326	e20	.00
13	e21	e51	e63	e56	e190	134	e92	30	1.4	756	e8.0	.00
14	e22	e56	e62	e54	e190	134	88	25	1.6	122	e6.0	.00
15	e23	e70	e60	e54	e205	132	89	40	.16	23	e4.0	e.10
16	e22	e140	e58	e55	e200	129	86	33	.00	8.2	e2.0	e3.0
17	e21	e152	e56	e56	e193	131	76	21	.00	e5.0	e1.0	e3.0
18	e22	e110	e55	e58	e192	128	74	13	.00	e3.0	e.50	e20
19	e24	e94	e57	e60	e192	126	71	9.4	.00	e1.0	e.00	e22
20	e25	e85	e56	e62	190	125	69	9.8	.00	e.00	e.00	e22
21	e26	e74	e57	e62	179	120	62	e36	.00	e.00	e.00	e15
22	e25	e78	e60	e61	173	121	74	e45	.00	e.00	e.00	e10
23	e24	e74	e61	e61	167	122	69	e37	.00	e.00	e5.0	e15
24	e27	e74	e60	e61	173	123	63	e33	.00	e.00	e20	e14
25	e33	e67	e60	e62	182	125	52	e43	.00	569	e10	e13
26	e37	e66	e62	e62	169	118	50	e70	.00	158	e4.0	e13
27	e35	e67	e63	e64	165	119	45	e60	.00	61	e2.0	e17
28	e34	e69	e64	e64	169	201	37	e74	.00	34	e1.0	e17
29	e33	e70	e64	e66	165	271	32	e58	.00	e22	e1.0	e20
30	e36	e68	e65	e68	---	183	32	e70	.00	e15	e1.0	e25
31	e37	---	e64	e69	---	139	---	e55	---	e9.0	e2.0	---
TOTAL	824	1993	1869	1878	4382	4620	2587	1041.2	300.56	2207.20	498.50	246.60
MEAN	26.6	66.4	60.3	60.6	151	149	86.2	33.6	10.0	71.2	16.1	8.22
MAX	37	152	65	69	205	271	176	74	72	756	198	25
MIN	20	39	55	54	70	118	32	9.4	.00	.00	.00	.00
AC-FT	1630	3950	3710	3730	8690	9160	5130	2070	596	4380	989	489

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1992, BY WATER YEAR (WY)

MEAN	100	127	96.4	97.5	137	137	108	82.3	71.0	58.9	95.4	89.0
MAX	666	1059	174	158	277	320	384	280	549	277	538	635
(WY)	1958	1958	1985	1950	1978	1949	1985	1958	1983	1950	1957	1961
MIN	25.6	52.5	22.8	33.5	43.5	68.9	15.8	1.34	.000	.000	.16	.23
(WY)	1956	1978	1979	1979	1979	1967	1967	1972	1977	1991	1960	1979

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1949 - 1992	
ANNUAL TOTAL	19264.90		22447.06			
ANNUAL MEAN	52.8		61.3		99.7	
HIGHEST ANNUAL MEAN					250	1958
LOWEST ANNUAL MEAN					51.1	1956
HIGHEST DAILY MEAN	450	Aug 7	756	Jul 13	14000	Nov 4 1957
LOWEST DAILY MEAN	.00	Jun 23	.00	Jun 16	.00	Jun 5 1954
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 23	.00	Jun 16	.00	Jul 1 1960
ANNUAL RUNOFF (AC-FT)	38210		44520		72220	
10 PERCENT EXCEEDS	125		152		177	
50 PERCENT EXCEEDS	42		50		77	
90 PERCENT EXCEEDS	.00		.00		1.6	

e Estimated

09337000 PINE CREEK NEAR ESCALANTE, UT

LOCATION.--Lat 37°51'45", long 111°38'07", in SW¼NE¼SW¼ sec. 12, T. 34 S., R. 2 E., Garfield County, Hydrologic Unit 14070005, on right bank 0.2 mi upstream from unnamed right bank tributary and 7 mi north of Escalante.

DRAINAGE AREA.--68.1 mi².

PERIOD OF RECORD.--July 1950 to September 1955, July 1957 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except periods of estimated discharge, which are poor. Several small storage reservoirs above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft³/s Aug. 2, 1967, gage height, 7.72 ft, from rating curve extended above 35 ft³/s on basis of slope-area measurement at gage height 7.52 ft; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	1530	144	3.65	July 24	unknown	*383	*4.99

Minimum daily discharge, 0.51 ft³/s Oct. 2.

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	e.60	1.4	e.80	e.98	e1.0	.82	2.3	52	8.5	8.0	e4.0	e5.4
2	e.51	1.4	e.88	e1.0	e.94	.81	1.6	40	7.7	7.9	e3.6	e3.8
3	e.66	1.4	e.88	e1.2	e.90	1.1	1.7	33	7.1	7.6	e3.8	2.6
4	e.69	1.4	e.88	e1.3	e.98	.99	2.0	28	6.2	7.3	e4.4	2.6
5	e.70	1.4	e.88	e1.3	e.85	1.0	2.5	20	6.1	7.0	e3.7	2.6
6	e.75	1.4	e1.0	e1.3	e.80	.87	2.7	19	5.2	6.9	e6.8	2.5
7	e.70	1.3	e1.1	e1.2	e1.0	.82	2.7	18	5.0	6.9	e13	2.4
8	e.64	1.1	e1.2	e1.1	e1.1	.87	2.7	14	5.0	7.5	e8.0	2.4
9	.64	1.1	e1.0	e1.0	e1.0	.90	3.0	14	5.0	7.9	e5.0	2.3
10	.63	1.1	e1.0	e1.0	e1.0	.90	3.3	15	4.9	7.4	4.5	2.3
11	.66	1.1	e1.0	e1.0	e1.1	.99	3.2	10	4.5	7.7	4.4	2.3
12	.67	1.0	e.95	e1.0	e.98	1.0	3.6	9.4	4.2	7.6	4.8	2.3
13	.67	1.0	e.90	e1.0	e.92	1.2	3.8	7.7	6.5	7.1	5.4	2.3
14	.65	e1.0	e.90	e.90	e.80	1.1	4.0	6.9	10	6.9	4.9	2.2
15	.69	e.79	e1.0	e.80	e.83	1.1	4.4	6.2	9.6	6.8	5.0	2.6
16	.71	e.76	e1.3	e.80	.86	1.0	3.8	5.6	9.4	6.5	4.8	3.3
17	.73	e.94	e1.3	e.75	.87	.92	3.3	6.3	8.8	6.3	4.8	2.4
18	.75	e.81	e1.3	e.75	.93	.84	4.1	7.9	7.9	6.3	4.7	2.3
19	.80	e.78	e1.4	e.80	.94	.79	3.8	7.9	6.9	6.2	4.4	2.5
20	.82	e.95	e1.4	e.82	.96	.91	3.5	14	6.0	6.0	4.8	2.2
21	.86	e.88	e.95	e.82	.87	.95	3.5	23	5.1	5.8	3.8	2.0
22	.87	e.80	e.90	e.82	.96	.90	3.7	17	4.5	5.7	3.6	e.80
23	1.0	e.70	e.94	e.88	.84	.87	3.8	11	6.3	5.7	7.1	e.73
24	1.1	e.70	e.93	e.88	.74	.83	4.0	15	7.1	25	4.5	e.69
25	.98	e.70	e.90	e.88	.84	.89	5.8	12	8.6	e24	3.8	e.65
26	.98	e.75	e.90	e.97	.75	1.0	7.1	22	8.8	e14	3.6	e.60
27	1.3	e.85	e.90	e.99	.79	1.6	12	25	9.0	e7.0	3.3	e.62
28	1.4	e.70	e.88	e.99	.89	1.2	22	13	8.7	e6.0	3.0	e.58
29	1.4	e.79	e.90	e.98	.87	1.2	30	11	8.5	e5.6	2.7	e.55
30	1.4	e.73	e.94	e1.0	---	2.6	48	14	8.2	e5.4	3.1	e.53
31	1.4	---	e.93	e1.1	---	3.4	---	11	---	e5.4	4.0	---
TOTAL	26.36	29.73	31.14	30.31	26.31	34.37	201.9	508.9	209.3	251.4	147.3	61.05
MEAN	.85	.99	1.00	.98	.91	1.11	6.73	16.4	6.98	8.11	4.75	2.03
MAX	1.4	1.4	1.4	1.3	1.1	3.4	48	52	10	25	13	5.4
MIN	.51	.70	.80	.75	.74	.79	1.6	5.6	4.2	5.4	2.7	.53
AC-FT	52	59	62	60	52	68	400	1010	415	499	292	121

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	2.98	2.76	2.24	2.09	2.17	2.58	7.21	18.6	7.36	6.04	4.96	3.83
MAX	9.10	6.54	6.25	6.05	6.70	6.59	28.9	50.9	34.5	25.4	15.2	9.72
(WY)	1984	1984	1984	1974	1984	1984	1987	1958	1983	1983	1983	1983
MIN	.000	.000	.000	.045	.039	.052	.070	.21	.000	.27	.90	.29
(WY)	1965	1965	1965	1965	1965	1965	1977	1977	1977	1959	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1958 - 1992	
ANNUAL TOTAL	740.84		1558.07			
ANNUAL MEAN	2.03		4.26		5.26	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					.62	1977
HIGHEST DAILY MEAN	28	May 20	52	May 1	205	May 18 1964
LOWEST DAILY MEAN	.27	Jan 1	.51	Oct 2	.00	Jun 28 1963
ANNUAL SEVEN-DAY MINIMUM	.36	Jan 7	.60	Sep 24	.00	Jun 28 1963
ANNUAL RUNOFF (AC-FT)	1470		3090		3810	
10 PERCENT EXCEEDS	3.9		8.9		9.6	
50 PERCENT EXCEEDS	1.2		1.4		3.0	
90 PERCENT EXCEEDS	.63		.76		.66	

e Estimated

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

LOCATION.--Lat 37°46'41", long 111°34'26", in NE¼NW¼SE¼ sec. 9, T. 35 S., R. 3 E., Garfield County, Hydrologic Unit 14070005, on left bank 150 ft downstream from Pine Creek and 2 mi northeast of Escalante.

DRAINAGE AREA.--320 mi².

PERIOD OF RECORD.--August 1909 to April 1913, October 1942 to September 1955, December 1971 to current year. Published as Escalante Creek near Escalante 1909-13.

REVISED RECORDS.--WSP 1149: 1943(M), 1944, 1945(M). WRD UT-73-1: 1972.

GAGE.--Water-stage recorder. Elevation of gage, 5,670 ft above NGVD of 1929, from topographic map. Prior to Apr. 30, 1913, staff at approximately same site at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 2,300 acres of crop and pastureland.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,450 ft³/s August 1953, day unknown, gage height, 9.9 ft from outside high-water mark, from rating curve extended above 153 ft³/s on basis of slope-area measurements at gage heights, 5.50 ft, 6.25 ft, and 7.59 ft; minimum daily, 0.07 ft³/s July 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 710 ft³/s May 26; minimum daily discharge, 0.57 ft³/s July 17.

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	1.4	e2.5	e1.7	e1.8	e2.5	2.6	36	29	e27	.95	1.5	9.7
2	.83	e2.4	e1.7	e1.9	2.4	2.2	13	24	e18	.97	1.0	2.3
3	.92	e2.4	e1.7	2.0	2.3	10	4.3	17	e14	.96	.99	1.9
4	.95	e2.3	e1.7	2.3	2.8	4.3	9.0	15	e10	.94	1.4	1.9
5	.93	e2.1	e1.8	2.3	2.5	3.1	4.9	10	e8.1	.87	1.1	1.7
6	1.1	1.7	e1.8	e2.3	2.4	2.4	6.9	31	e9.0	.84	3.9	1.5
7	1.1	1.5	e1.9	e2.3	3.3	2.1	3.3	8.7	e7.0	.93	8.3	1.5
8	1.0	1.4	e2.2	e2.2	3.6	4.9	3.2	28	e4.8	1.1	6.2	1.4
9	.79	1.4	e2.2	e2.1	3.2	7.9	3.4	23	e3.3	1.3	1.7	1.2
10	.78	1.5	e2.2	e2.1	3.2	10	3.5	18	e2.9	.87	1.4	1.2
11	.79	1.5	e2.1	e2.0	3.4	11	3.4	11	e2.6	.74	1.3	1.1
12	.74	1.5	e2.0	2.0	3.2	12	3.1	24	e2.6	1.2	1.4	.92
13	.58	1.5	e1.9	e2.0	3.0	15	2.9	24	e2.8	1.0	1.4	.95
14	.58	1.8	e1.8	e2.0	2.6	18	2.7	38	e3.2	.76	1.3	.99
15	.59	3.8	e1.5	e1.7	2.5	17	2.7	33	e3.7	.71	1.1	.99
16	.59	2.4	e1.4	e1.7	2.5	16	4.7	34	e3.0	.60	.85	8.2
17	.59	2.2	1.5	e1.7	2.2	14	4.4	34	e2.8	.57	.89	4.2
18	.64	3.0	1.6	e1.6	2.2	12	1.6	28	e2.4	.61	.90	2.1
19	.68	2.3	1.7	e1.7	2.1	12	1.5	15	e2.1	.62	.79	2.2
20	.74	2.9	e1.8	e1.7	2.3	11	1.9	54	e1.8	.75	.73	2.1
21	.79	2.0	2.0	e1.8	2.3	10	1.8	82	e1.6	.83	.85	.99
22	.78	1.9	2.0	e1.8	2.5	11	1.6	92	e1.5	1.0	1.7	.87
23	.81	e1.4	1.8	e2.0	2.6	11	1.4	e76	e1.4	.95	23	.82
24	1.2	1.4	1.8	e2.1	2.3	10	1.4	e60	.97	14	4.9	.78
25	1.0	1.4	1.7	e2.1	2.3	11	1.4	e70	1.0	11	1.4	.77
26	1.0	1.9	e1.7	e2.2	2.1	11	1.4	e92	1.2	3.3	1.2	.71
27	1.2	2.2	1.7	e2.3	2.4	9.3	2.6	e78	1.6	2.8	1.1	.74
28	1.4	1.8	1.6	e2.4	2.4	5.3	7.3	e55	2.2	2.4	1.0	.72
29	1.9	1.9	1.6	e2.4	2.9	5.2	12	e40	1.4	2.3	1.0	.65
30	e3.2	e1.8	1.7	e2.5	---	31	27	e35	.99	2.3	1.4	.61
31	e2.5	---	e1.7	e2.5	---	28	---	e40	---	2.2	7.4	---
TOTAL	32.10	59.8	55.5	63.5	76.0	330.3	174.3	1218.7	144.96	60.37	83.10	55.71
MEAN	1.04	1.99	1.79	2.05	2.62	10.7	5.81	39.3	4.83	1.95	2.68	1.86
MAX	3.2	3.8	2.2	2.5	3.6	31	36	92	27	14	23	9.7
MIN	.58	1.4	1.4	1.6	2.1	2.1	1.4	8.7	.97	.57	.73	.61
AC-FT	64	119	110	126	151	655	346	2420	288	120	165	111

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1992, BY WATER YEAR (WY)

MEAN	6.79	6.56	5.57	6.47	8.57	12.1	14.1	26.6	19.2	6.61	7.41	6.59
MAX	29.9	23.8	15.5	15.8	19.4	39.7	41.0	124	125	28.0	30.8	29.9
(WY)	1973	1988	1984	1984	1982	1989	1987	1973	1983	1983	1983	1980
MIN	.90	.80	.77	.96	1.33	.67	1.23	1.15	.48	.47	.84	1.14
(WY)	1991	1991	1991	1991	1991	1991	1990	1990	1990	1978	1978	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1973 - 1992	
ANNUAL TOTAL	617.38		2354.34			
ANNUAL MEAN	1.69		6.43		10.5	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	47	Jul 24	92	May 22	270	Sep 10 1980
LOWEST DAILY MEAN	.18	Aug 1	.57	Jul 17	.07	Jul 11 1990
ANNUAL SEVEN-DAY MINIMUM	.23	Jul 27	.61	Oct 13	.18	Aug 26 1990
ANNUAL RUNOFF (AC-FT)	1220		4670		7640	
10 PERCENT EXCEEDS	2.2		15		23	
50 PERCENT EXCEEDS	.99		2.1		4.6	
90 PERCENT EXCEEDS	.44		.85		1.0	

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in NE¼SW¼SW¼ sec. 2, T. 34 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello, Ut.

DRAINAGE AREA.--8.64 mi².

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,170 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft³/s Nov. 5, 1987, gage height, 4.17 ft; minimum, 0.02 ft³/s July 3, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
June 26	1531	*15	*1.04				

Minimum daily, 0.05 ft³/s Oct. 13

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	.11	e.10	e.13	.11	.08	.16	1.3	6.7	2.8	.32	.22	e.24
2	.14	e.10	e.14	.11	.08	.18	1.7	6.2	3.2	.29	.22	e.20
3	e.14	e.08	e.13	.11	.08	.23	3.0	5.4	4.5	.27	.26	e.18
4	e.13	e.09	e.14	.11	.08	.19	4.2	5.0	4.2	.25	.27	.14
5	e.13	e.11	e.14	.11	.08	.16	4.2	4.7	4.4	.30	.27	.14
6	e.12	.15	e.14	.11	.08	.15	4.9	4.5	4.4	.27	.27	.14
7	e.13	e.17	e.14	.11	.08	.21	5.0	4.6	4.3	.27	.27	.14
8	e.13	e.16	e.18	.11	.10	.26	5.0	4.3	4.2	.28	.27	.14
9	.10	e.16	e.17	.11	.11	.19	6.2	4.6	3.8	.27	.27	.13
10	.08	e.18	e.16	.11	.13	.18	6.5	4.0	3.5	.27	.27	.11
11	.08	e.17	e.18	.11	.12	.21	6.8	3.2	3.1	.25	.58	.12
12	.06	e.16	.18	.11	.11	.35	8.7	2.9	3.3	.53	e.40	.15
13	.05	e.16	.16	.11	.11	.58	9.0	3.2	3.0	.36	e.28	.22
14	.06	.14	.16	.11	.11	.91	10	2.8	2.9	.27	e.27	.22
15	.10	.15	e.15	.11	.11	.86	12	3.9	2.2	.41	e.36	.22
16	.11	.14	e.15	.11	.11	.79	10	3.8	1.5	e.30	e.28	.22
17	e.10	.15	e.15	.11	.14	.53	7.9	3.4	1.6	e.26	e.24	.18
18	e.10	.14	e.13	.11	e.11	.38	5.7	2.8	1.4	e.23	e.22	.18
19	e.09	e.13	e.14	.11	e.11	.21	4.2	3.0	1.3	e.21	e.20	.19
20	e.09	e.13	e.14	.11	e.12	.21	3.3	3.6	1.2	e.21	e.18	.19
21	e.08	e.13	e.14	.11	e.12	.18	2.8	3.7	1.0	e.22	e.20	.11
22	e.08	e.13	e.15	.11	e.13	.17	2.5	3.3	1.0	e.21	e.22	.11
23	e.09	e.11	e.15	.11	e.12	.16	2.2	3.1	.98	e.21	e.24	.11
24	e.09	e.13	e.15	.11	.11	.15	2.2	3.4	.89	e.33	e.20	.12
25	e.10	e.13	e.15	.11	.11	.17	2.4	3.5	.79	.32	e.30	.14
26	e.10	e.13	e.14	.11	.11	.27	2.8	3.7	1.0	.27	e.24	.14
27	e.12	e.13	e.14	.11	.12	.34	3.2	4.1	.53	.25	e.20	.13
28	.11	e.14	e.14	.11	.13	.62	3.9	4.0	.46	.24	e.18	.11
29	.09	e.15	e.14	.09	.13	.55	4.7	4.0	.41	.22	e.17	.11
30	.11	e.15	.15	.08	---	.96	5.7	3.5	.34	.22	e.27	.09
31	e.09	---	.11	.08	---	1.4	---	3.1	---	.22	e.32	---
TOTAL	3.11	4.10	4.57	3.33	3.13	11.91	152.0	122.0	68.20	8.53	8.14	4.62
MEAN	.10	.14	.15	.11	.11	.38	5.07	3.94	2.27	.28	.26	.15
MAX	.14	.18	.18	.11	.14	1.4	12	6.7	4.5	.53	.58	.24
MIN	.05	.08	.11	.08	.08	.15	1.3	2.8	.34	.21	.17	.09
AC-FT	6.2	8.1	9.1	6.6	6.2	24	301	242	135	17	16	9.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	.24	1.10	.25	.22	.44	1.85	6.20	4.95	2.01	.38	.37	.38
MAX	.45	5.40	.64	.45	1.08	4.27	17.0	11.9	3.65	.71	.52	.91
(WY)	1987	1988	1988	1988	1986	1986	1987	1987	1986	1988	1987	1991
MIN	.10	.12	.091	.075	.097	.10	.22	.21	.14	.18	.16	.12
(WY)	1992	1990	1990	1990	1990	1991	1990	1990	1990	1990	1990	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	170.63		393.64			
ANNUAL MEAN	.47		1.08		1.53	
HIGHEST ANNUAL MEAN					3.09	1987
LOWEST ANNUAL MEAN					.17	1990
HIGHEST DAILY MEAN	17	Sep 6	12	Apr 15	46	Nov 6 1987
LOWEST DAILY MEAN	.05	Mar 4	.05	Oct 13	.05	Jan 22 1990
ANNUAL SEVEN-DAY MINIMUM	.06	Mar 3	.08	Oct 9	.05	Jan 22 1990
ANNUAL RUNOFF (AC-FT)	338		781		1110	
10 PERCENT EXCEEDS	1.3		4.0		4.4	
50 PERCENT EXCEEDS	.15		.18		.30	
90 PERCENT EXCEEDS	.10		.11		.11	

e Estimated

09378200 MONTEZUMA CREEK AT GOLF COURSE, AT MONTICELLO, UT

LOCATION.--Lat 37°51'38", long 109°20'30", in SW¼SE¼ sec. 36, T. 33 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, on left bank 1,000 ft west of State Highway 191 and 0.8 mi south of Monticello.

DRAINAGE AREA.--17.6 mi².

PERIOD OF RECORD.--October 1979 to September 1992 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,900 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 537 ft³/s Apr. 24, 1983, gage height, 5.77 ft; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 28	1400	*25	*5.44				

No flow many days.

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	.01	e.07	e.06	e.08	e.03	.13	.28	.18	.77	.19	.11	.00
2	.01	.08	e.07	e.07	.02	.15	.29	.18	.39	.19	.10	.06
3	.01	e.07	e.07	.08	.02	.19	.26	.18	.15	.18	.10	.05
4	.01	.08	e.07	e.08	.03	.22	.24	.17	.14	.17	.12	.11
5	.02	.08	e.08	e.10	.03	.29	.23	.17	.16	.16	.14	.02
6	.02	.08	e.08	.10	.03	.30	.23	.17	.35	.15	.16	.00
7	.03	.07	e.09	.08	.03	.28	.23	e.13	.25	.15	.18	.00
8	.03	.07	.09	.06	.03	.26	.21	e.01	.13	.16	.21	.01
9	.04	.07	.07	e.05	.03	.23	.20	e.06	e.04	.16	.17	.00
10	.04	.06	.08	e.06	.02	.24	.24	.07	.00	.15	.21	.04
11	.04	.06	.08	e.05	.02	.27	.35	e.03	.00	.15	.19	.01
12	.03	.06	.07	e.09	e.03	.31	.25	e.02	.00	.16	.20	.05
13	.04	.07	.07	e.08	.03	.38	.25	.00	.00	.14	.19	.01
14	.04	.08	.06	e.09	.03	.43	.25	e.10	.18	.13	.17	.00
15	.04	.08	.08	.08	.02	.42	.23	.14	.33	.14	.18	.00
16	.05	.08	e.08	e.06	e.02	.39	.23	.14	.34	.14	.13	.00
17	.04	.08	.08	e.06	e.02	.43	.23	e.05	.33	.13	.13	.01
18	.04	.08	e.08	e.03	e.03	.33	.23	e.03	.32	.13	.12	.01
19	.04	.08	.08	e.02	.02	.30	.21	e.12	.31	.12	.11	.08
20	.04	.09	.09	e.02	.03	.28	.21	1.4	.30	.12	.12	.08
21	.04	.08	.08	e.02	.04	.26	.21	3.1	.28	.11	.02	.03
22	.04	.09	.06	e.02	.03	.26	.21	1.3	.27	.09	.10	.05
23	.04	e.07	.07	e.02	.04	.26	.20	.56	.25	.10	.02	.07
24	.06	e.07	.07	e.03	.04	.26	.20	.59	.24	.08	.14	.03
25	.06	.08	e.08	e.04	.06	.25	.20	.60	.23	.09	.01	.00
26	.05	.09	e.07	e.02	.07	.24	.19	3.6	.23	.08	.16	.00
27	.09	.09	e.06	e.03	.09	.24	.19	13	.22	.07	.00	.00
28	.08	.09	.07	e.02	.10	.24	.19	21	.21	.08	.08	.02
29	.06	.09	e.07	e.02	.12	.24	.19	12	.21	.10	.00	.00
30	.07	e.07	e.10	e.02	---	.24	.19	4.3	.19	.10	.15	.01
31	e.06	---	e.09	e.02	---	.28	---	1.7	---	.11	.13	---
TOTAL	1.27	2.31	2.35	1.60	1.11	8.60	6.82	65.10	6.82	4.03	3.85	0.75
MEAN	.041	.077	.076	.052	.038	.28	.23	2.10	.23	.13	.12	.025
MAX	.09	.09	.10	.10	.12	.43	.35	21	.77	.19	.21	.11
MIN	.01	.06	.06	.02	.02	.13	.19	.00	.00	.07	.00	.00
AC-FT	2.5	4.6	4.7	3.2	2.2	17	14	129	14	8.0	7.6	1.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

MEAN	.35	.61	.26	.27	.40	2.05	11.9	15.9	8.96	1.21	.28	.22
MAX	1.41	4.07	.98	.88	1.23	11.0	72.6	89.8	58.0	6.15	1.19	.70
(WY)	1987	1987	1984	1984	1989	1985	1983	1983	1983	1980	1986	1988
MIN	.000	.000	.000	.000	.000	.045	.098	.000	.000	.007	.019	.000
(WY)	1980	1980	1980	1980	1980	1982	1990	1989	1989	1982	1991	1980

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	25.24		104.61			
ANNUAL MEAN	.069		.29		3.54	
HIGHEST ANNUAL MEAN					19.5	1983
LOWEST ANNUAL MEAN					.068	1991
HIGHEST DAILY MEAN	.40	May 26	21	May 28	296	Apr 25 1983
LOWEST DAILY MEAN	.00	Aug 22	.00	May 13	.00	Oct 1 1979
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 30	.01	Sep 24	.00	Oct 1 1979
ANNUAL RUNOFF (AC-FT)	50		207		2560	
10 PERCENT EXCEEDS	.13		.28		3.9	
50 PERCENT EXCEEDS	.07		.08		.18	
90 PERCENT EXCEEDS	.01		.02		.00	

e Estimated

09378600 MONTEZUMA CREEK NEAR BLUFF, UT

LOCATION.--Lat 37°18'30", long 109°17'35", in NW¼SW¼ sec. 16, T. 40 S., R. 24 E., San Juan County, Hydrologic Unit 14080201, on right bank approximately 200 ft upstream from bridge on Highway 262, 3.4 mi above mouth, and 14 mi southeast of Bluff.

DRAINAGE AREA (REVISED).--1,154 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1985 to current year. Annual maximum only December 1958 to September 1971 at crest-stage site.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,490 ft above NGVD of 1929, from topographic map. December 1958 to September 1971, crest-stage gage only at various sites upstream from bridge at different datums. June 6, 1985 to September 30, 1985 instantaneous measurements only at same site.

REMARKS.--Records poor. Flow affected by storage in Lloyd's Lake at headwaters with a capacity of approximately 3,000 acre-ft and several diversions for agricultural use.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,500 ft³/s (estimated) Sept. 6, 1970, gage height, unknown; 6,890 ft³/s Aug. 7, 1988, gage height, 16.08 ft; no flow on many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 731 ft³/s May 25, gage height, 11.47 ft; no flow many days.

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	e2.0	.00	.00	e.00	.00	7.9	.00	e3.9	.00	.00	.00
2	.00	e.00	.00	.00	e.00	.00	7.5	.00	e2.0	.00	.00	.00
3	.00	.00	.00	.00	e.00	.00	6.3	.00	e.30	.00	.00	.00
4	.00	.00	.00	.00	e.00	e4.0	5.2	.00	e.00	.00	.00	.00
5	.00	.00	.00	.00	e.00	3.9	6.0	.00	.00	.00	.00	.00
6	.00	.00	.00	e16	e.00	e.20	e5.4	.00	.00	.00	.00	.00
7	.00	.00	.00	13	e.00	e.00	6.3	.00	.00	.00	.00	.00
8	.00	.00	.00	e3.0	e.00	.00	6.2	.00	.00	.00	.00	.00
9	.00	.00	.00	e.30	e.00	.00	6.7	e3.9	.00	.00	.00	.00
10	.00	.00	.00	e.20	e1.0	.00	4.9	15	.00	.00	.00	.00
11	.00	.00	e.80	e.10	e6.0	.00	5.1	e1.0	.00	e.40	.00	.00
12	.00	.00	e1.3	e.00	e12	.00	e3.6	e.00	.00	e29	.00	.00
13	.00	.00	e.10	e.00	e14	.00	e2.6	.00	.00	47	.00	.00
14	.00	.00	e.00	e.00	e8.0	.00	e2.0	.00	.00	e4.0	.00	.00
15	.00	e35	.00	e.00	e1.0	.00	e1.8	.00	.00	e1.0	.00	e5.0
16	.00	68	.00	e.00	e10	.00	e1.1	.00	.00	e.20	.00	e11
17	.00	12	.00	e.00	e2.0	.00	e.40	.00	.00	e.00	.00	e1.0
18	.00	e12	.00	e.00	e.60	.00	e.10	.00	.00	.00	e5.0	e.00
19	.00	e2.0	e1.2	e.00	e.10	.00	e.00	.00	.00	.00	e.22	e56
20	.00	e.20	32	e.00	e.00	.00	.00	.00	.00	.00	e.00	e24
21	.00	e.00	14	e.00	e.00	.00	.00	e.80	.00	.00	.00	e1.2
22	.00	.00	14	e.00	e.00	.00	.00	e2.0	.00	.00	.00	e.00
23	.00	.00	e8.0	e.00	e.00	.00	.00	e10	.00	e20	.00	.00
24	.00	.00	e10	e.00	e.00	.00	.00	9.4	.00	40	.00	.00
25	.00	.00	e2.5	e.00	.00	.00	.00	e70	.00	e.40	.00	.00
26	.00	.00	e.80	e.00	.00	.00	.00	61	.00	e15	.00	.00
27	.00	.00	e.10	e.00	.00	.00	.00	46	.00	e.30	.00	.00
28	.00	.00	e.00	e.00	.00	.00	.00	8.5	.00	e.00	.00	.00
29	.00	.00	.00	e.00	.00	.00	.00	e4.8	.00	.00	.00	.00
30	e2.5	.00	.00	e.00	---	e7.3	.00	5.5	.00	.00	.00	.00
31	e3.0	---	.00	e.00	---	7.0	---	6.2	---	.00	.00	---
TOTAL	5.50	131.20	84.80	32.60	54.70	22.40	79.10	244.10	6.20	157.30	5.22	98.20
MEAN	.18	4.37	2.74	1.05	1.89	.72	2.64	7.87	.21	5.07	.17	3.27
MAX	3.0	68	32	16	14	7.3	7.9	70	3.9	47	5.0	56
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	11	260	168	65	108	44	157	484	12	312	10	195

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	4.72	12.4	3.41	2.62	17.0	50.7	25.7	9.93	5.44	3.37	5.26	3.98
MAX	9.78	57.7	12.4	9.45	44.5	208	106	22.8	28.4	8.54	13.4	12.1
(WY)	1987	1988	1986	1986	1986	1987	1987	1988	1988	1986	1987	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.058	.000
(WY)	1989	1990	1989	1990	1990	1990	1991	1989	1991	1991	1991	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	722.69		921.32			
ANNUAL MEAN	1.98		2.52		12.0	
HIGHEST ANNUAL MEAN					34.5	1987
LOWEST ANNUAL MEAN					.65	1990
HIGHEST DAILY MEAN	76	Mar 2	70	May 25	892	Nov 6 1987
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 1 1985
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 21 1985
ANNUAL RUNOFF (AC-FT)	1430		1830		8700	
10 PERCENT EXCEEDS	3.9		6.3		27	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09378600 MONTEZUMA CREEK NEAR BLUFF, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1985 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT
APR 15...	1330	1.9	890	8.6	22.0	22.0	190	52	15	100	52

DATE	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)
APR 15...	3	4.9	170	48	0.4	8.9	519	0.71	2.66	0.05

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
APR 15...	1330	150

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
APR 15...	1330	1.9	22.0	54	1220	6.3

09378630 RECAPTURE CREEK NEAR BLANDING, UT

LOCATION.--Lat 37°45'20", long 109°28'33", in NW¼NE¼NW¼ sec. 11, T. 35 S., R. 22 E., San Juan County, Hydrologic Unit 14080201, on right bank 100 ft below road fork, 1.9 mi north of Manti-LaSal National Forest boundary, and 9.4 mi north of Blanding.

DRAINAGE AREA.--3.77 mi².

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges, records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft³/s Oct. 20, 1972, gage height, 2.14 ft; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 14	1947	12.0	1.26	Apr. 30	1832	*17.0	*3.80

No flow many days.

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	.01	.01	.01	.06	2.8	15	3.0	.14	.06	.03
2	.00	.00	.01	.01	.01	.07	2.6	13	2.8	.13	.06	.02
3	.00	.00	.01	.01	.01	.17	3.0	11	2.6	.17	.06	.02
4	.00	.00	.01	.01	.01	.06	3.6	9.7	2.4	.13	.03	.02
5	.00	.00	.01	.01	.01	.12	4.4	8.4	2.4	.10	.03	.02
6	.00	.00	.01	.01	.01	.05	4.8	8.1	2.4	.11	.13	.01
7	.00	.00	.01	.01	.01	.21	4.9	8.1	2.2	.07	.03	.01
8	.00	.00	.01	.01	.01	.20	4.6	7.4	2.2	.10	.03	.01
9	.00	.00	.01	.01	.01	.07	7.0	7.1	1.7	.10	.03	.01
10	.00	.00	.01	.01	.01	.13	6.9	5.7	1.4	.05	.03	.01
11	.00	.00	.01	.01	.01	.28	8.4	4.7	1.2	.05	.03	.01
12	.00	.00	.01	.01	.01	.83	7.7	4.2	1.1	.47	.02	.01
13	.00	.00	.01	.01	.01	1.8	8.1	4.6	.97	.21	.02	.01
14	.00	.00	.01	.01	.01	2.6	9.1	4.8	.95	.06	.02	.01
15	.00	.01	.01	.01	.01	2.7	11	4.7	.82	.07	.02	.01
16	.00	.01	.01	.01	.01	2.7	9.3	4.3	.65	.07	.02	.01
17	.00	.01	.01	.01	.01	1.8	8.6	3.5	.44	.07	.02	.01
18	.00	.01	.01	.01	.01	.96	9.3	3.2	.36	.10	.02	.01
19	.00	.01	.01	.01	.01	.66	8.1	3.3	.27	.11	.02	.01
20	.00	.01	.01	.01	.01	.62	6.4	3.6	.22	.12	.02	.01
21	.00	.01	.01	.01	.01	.62	5.7	4.0	.18	.09	.02	.01
22	.00	.01	.01	.01	.01	.37	6.0	3.4	.15	.25	.02	.01
23	.00	.01	.01	.01	.01	.28	5.8	3.1	.13	.13	.03	.01
24	.00	.01	.01	.01	.01	.18	6.0	3.2	.16	.07	.02	.01
25	.00	.00	.01	.01	.01	.28	6.6	3.6	.27	.09	.02	.01
26	.00	.00	.01	.01	.01	.58	8.0	4.3	.39	.06	.02	.01
27	.00	.00	.01	.01	.01	.89	10	5.0	.29	.05	.02	.01
28	.00	.00	.01	.01	.01	2.7	11	5.0	.25	.05	.02	.01
29	.00	.00	.01	.01	.07	2.6	12	4.9	.22	.05	.02	.01
30	.00	.01	.01	.01	---	2.8	15	4.2	.24	.06	.02	.01
31	.00	---	.01	.01	---	3.1	---	3.5	---	.05	.02	---
TOTAL	0.00	0.11	0.31	0.31	0.35	30.49	216.7	178.6	32.36	3.38	0.93	0.36
MEAN	.000	.004	.010	.010	.012	.98	7.22	5.76	1.08	.11	.030	.012
MAX	.00	.01	.01	.01	.07	3.1	15	15	3.0	.47	.13	.03
MIN	.00	.00	.01	.01	.01	.05	2.6	3.1	.13	.05	.02	.01
AC-FT	.00	.2	.6	.6	.7	60	430	354	64	6.7	1.8	.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1992, BY WATER YEAR (WY)

MEAN	.22	.16	.061	.041	.12	1.24	4.96	6.68	2.32	.14	.063	.019
MAX	4.77	2.32	.67	.64	.68	4.85	14.0	25.1	13.6	.67	.73	.085
(WY)	1973	1988	1973	1973	1980	1978	1980	1983	1983	1979	1968	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.002	.000	.002	.000	.000
(WY)	1979	1977	1977	1968	1977	1977	1977	1977	1977	1990	1972	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966 - 1992	
ANNUAL TOTAL	79.58		463.90			
ANNUAL MEAN	.22		1.27		1.34	
HIGHEST ANNUAL MEAN					4.60	1983
LOWEST ANNUAL MEAN					.008	1977
HIGHEST DAILY MEAN	5.6	Jun 11	15	Apr 30	57	Oct 20 1972
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Dec 20 1965
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Dec 20 1965
ANNUAL RUNOFF (AC-FT)	158		920		969	
10 PERCENT EXCEEDS	.49		4.8		3.7	
50 PERCENT EXCEEDS	.01		.02		.03	
90 PERCENT EXCEEDS	.00		.00		.00	

09378650 RECAPTURE CREEK BELOW JOHNSON CREEK, NEAR BLANDING, UT

LOCATION.--Lat 37°40'51", long 109°27'43", in $SW^1/_4SW^1/_4SE^1/_4$ sec. 2, T. 36 S., R. 22 E., San Juan County, Hydrologic Unit 14080201, on left bank 0.2 mi downstream from Johnson Creek, 1.5 mi upstream from U.S. Highway 191 and 4.3 mi northwest of Blanding.

DRAINAGE AREA.--50.2 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 695 ft^3/s Mar. 14, 1981, gage height, 5.67 ft; no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 230 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
July 12	0033	*69	*2.84				

No flow many days.

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	e.08	.00	.00	.00	e1.1	27	36	28	.00	.00	.00
2	.00	.00	.00	.00	e.30	e1.1	25	37	26	.00	.00	.30
3	.00	.00	.00	.00	e.28	e1.5	27	37	25	.00	.00	.01
4	.00	.00	.00	.00	e.36	e1.3	33	35	23	.00	.00	.00
5	.00	.00	.00	.00	e.32	e1.5	34	32	22	.00	.00	.00
6	.00	.00	.00	.00	e.34	e1.3	36	31	21	.00	.32	.00
7	.00	.00	.00	.00	e.36	e2.0	40	31	19	.00	.32	.00
8	.00	.00	.00	.00	e.34	e2.0	39	29	18	.00	.00	.00
9	.00	.00	.00	.00	e.40	e1.9	39	28	17	.00	.00	.00
10	.00	.00	.00	.00	e.46	2.5	40	24	15	.00	.83	.00
11	.00	.00	.00	.00	e.42	4.5	43	20	13	.20	.02	.00
12	.00	.00	.00	.00	e.38	8.3	43	21	10	7.7	.00	.00
13	.00	.00	.00	.00	e.44	12	44	22	6.7	1.5	.00	.00
14	.00	.00	.00	.00	e.41	14	50	24	1.3	.32	.00	.00
15	.00	5.2	.00	.00	e.40	15	53	28	.52	.02	.00	.00
16	.00	3.3	.00	.00	e.37	15	43	27	.28	.00	.00	.00
17	.00	1.2	.00	.00	e.37	14	44	25	.33	.00	.00	.00
18	.00	1.7	.00	.00	e.37	12	40	24	.17	.00	.00	.00
19	.00	1.1	.00	.00	e.37	9.9	44	25	.05	.00	.00	.37
20	.00	e.60	.00	.00	e.40	9.2	45	28	.01	.00	.00	.09
21	.00	e.20	.00	.00	e.41	9.6	44	29	.01	.00	.00	.00
22	.00	e.10	.00	.00	e.44	8.4	44	26	.07	.00	.00	.00
23	.00	.00	.00	.00	e.43	8.5	43	23	.00	.00	.00	.00
24	.00	.00	.00	.00	e.40	7.9	42	24	.00	.00	.76	.00
25	.00	.00	.00	.00	e.48	6.8	38	25	.00	.00	.01	.00
26	.00	.00	.00	.00	e.42	8.3	39	29	.06	.00	.00	.00
27	.20	.00	.00	.00	e.50	9.4	39	29	.00	.00	.00	.00
28	1.2	.00	.00	.00	e1.0	22	40	30	.00	.00	.00	.00
29	.17	.00	.00	.00	e1.0	26	38	30	.00	.00	.00	.00
30	.45	.00	.00	.00	---	26	37	31	.00	.00	.00	.00
31	.17	---	.00	.00	---	30	---	30	---	.00	.00	---
TOTAL	2.19	13.48	0.00	0.00	12.17	293.0	1193	870	246.50	9.74	2.26	0.77
MEAN	.071	.45	.000	.000	.42	9.45	39.8	28.1	8.22	.31	.073	.026
MAX	1.2	5.2	.00	.00	1.0	30	53	37	28	7.7	.83	.37
MIN	.00	.00	.00	.00	.00	1.1	25	20	.00	.00	.00	.00
AC-FT	4.3	27	.00	.00	24	581	2370	1730	489	19	4.5	1.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1992, BY WATER YEAR (WY)

MEAN	.41	1.06	.060	.068	1.27	8.25	31.9	34.7	14.3	1.50	.25	.18
MAX	2.52	14.3	.35	.57	7.30	23.9	98.3	127	60.8	10.7	1.96	1.06
(WY)	1984	1988	1987	1980	1983	1983	1979	1983	1979	1980	1982	1986
MIN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
(WY)	1976	1976	1976	1976	1977	1977	1977	1977	1977	1981	1976	1976

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1976 - 1992	
ANNUAL TOTAL	269.94		2643.11			
ANNUAL MEAN	.74		7.22		7.83	
HIGHEST ANNUAL MEAN					24.1	1979
LOWEST ANNUAL MEAN					.019	1990
HIGHEST DAILY MEAN	11	May 10	53	Apr 15	212	May 29 1983
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 1 1975
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 1 1975
ANNUAL RUNOFF (AC-FT)	535		5240		5670	
10 PERCENT EXCEEDS	3.7		30		23	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09379500 SAN JUAN RIVER NEAR BLUFF, UT

LOCATION.--Lat 37°08'49", long 109°51'51", in SE¼NE¼SW¼ sec. 7, T. 42 S., R. 19 E., San Juan County, Hydrologic Unit 14080205, on left bank 1,600 ft downstream from Gypsum Creek, 1,800 ft upstream from highway bridge, 20 mi southwest of Bluff, at mile 113.5.

DRAINAGE AREA.--23,000 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1940. WSP 1313: 1917, 1929. WSP 1343: 1945.

GAGE.--Water-stage recorder. Datum of gage is 4,048 ft above NGVD of 1929, from levels of Topographic Division, U.S. Geological Survey. Prior to Mar. 16, 1927, chain gages at sites about 1,700 ft downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of approximately 200,000 acres above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100 in New Mexico report).

EXTREMES FOR PERIOD OF RECORD.--(water years 1914-17, 1927-92) maximum discharge, 70,000 ft³/s Sept. 10, 1927, gage height, 32.0 ft from rating curve extended above 31,000 ft³/s and slope-area measurement at gage height 26.62 ft; no flow July 3-13, 1934, Aug. 24-27, 29, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 6, 1911, which is greatest known at Shiprock, NM, probably exceeded that of Sept. 10, 1927 at this station but stage was not accurately determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	0200	*9,560	*10.23	No other peak greater than base discharge.			

Minimum, 484 ft³/s Aug. 23.

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	590	1170	1120	880	963	963	e1950	5070	7140	e2050	949	1530
2	609	1170	1140	957	1030	1010	e2200	5250	6720	e1960	832	1930
3	617	1170	1120	907	1100	1100	e2100	5360	6490	e1850	769	1650
4	614	1140	1020	833	1450	1270	e1830	5210	6280	1760	696	1480
5	605	1120	1070	804	1660	1490	1600	5040	6160	1450	663	1290
6	596	1080	1080	882	1750	1410	1630	4880	6170	e1400	627	1210
7	574	1110	1060	1190	1480	1460	e1630	4990	6620	e1360	823	1090
8	622	1110	1080	1020	1410	1370	e1720	5480	6620	1440	1030	966
9	691	1070	1140	940	1400	1320	e1900	5690	6540	1440	716	875
10	672	1140	1040	898	1500	1360	e2000	6340	6260	1510	676	784
11	661	1130	1060	838	1870	1230	e2100	7100	5680	1600	656	712
12	649	1190	1450	787	1980	1140	2310	5970	5230	e1890	615	678
13	680	1730	1710	786	2180	998	2470	5680	4700	3690	561	643
14	683	1580	2180	755	3130	990	2690	5490	4770	e3270	592	616
15	701	1440	1530	883	2680	1020	3060	5500	4910	e2100	593	643
16	705	3330	1180	869	2270	1090	3360	5430	4640	e1980	556	873
17	678	3630	1030	797	1860	1170	3940	5350	3980	e1490	576	813
18	661	2660	946	795	1370	1170	4360	5220	3370	1080	647	708
19	648	2380	1010	904	1250	1160	4800	5170	3150	929	611	2050
20	687	2090	1430	932	1100	1180	5160	5250	3160	760	577	3350
21	729	1640	1690	894	1060	1050	5180	5840	3230	655	521	2080
22	738	1320	1680	836	1020	1130	5050	7360	3280	622	495	1820
23	718	1240	1390	814	913	1160	4900	7680	3320	894	539	1490
24	678	1180	1240	759	1160	1210	4840	7470	3220	1200	716	1330
25	718	1110	1060	824	1290	1150	4750	7520	2910	1360	1800	1100
26	817	1100	988	770	1090	1100	4020	8320	2870	1270	3770	999
27	811	1060	882	754	980	1050	4000	7950	2760	2690	2560	967
28	839	1050	891	770	930	1160	4070	8220	2680	2160	2220	944
29	874	1070	846	851	913	1310	4330	8510	2380	1730	1920	977
30	1120	1080	837	819	---	1480	4750	8140	2220	1450	1660	966
31	1180	---	836	880	---	e1600	---	7800	---	1210	1600	---
TOTAL	22165	44290	36736	26628	42789	37301	98700	194280	137460	50250	31566	36564
MEAN	715	1476	1185	859	1475	1203	3290	6267	4582	1621	1018	1219
MAX	1180	3630	2180	1190	3130	1600	5180	8510	7140	3690	3770	3350
MIN	574	1050	836	754	913	963	1600	4880	2220	622	495	616
AC-FT	43960	87850	72870	52820	84870	73990	195800	385400	272700	99670	62610	72520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-92, BY WATER YEAR (WY)

MEAN	1587	1248	1114	1123	1463	1862	3577	5371	5680	2606	1803	1644
MAX	10650	4435	3821	3374	3683	6209	10120	21520	15380	9212	9335	11870
(WY)	1942	1987	1966	1986	1987	1916	1942	1941	1941	1957	1929	1927
MIN	205	345	408	335	519	463	399	339	556	236	80.4	64.5
(WY)	1957	1935	1957	1931	1964	1964	1977	1977	1977	1963	1939	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915-17, 1927-92	
ANNUAL TOTAL	533251		758729			
ANNUAL MEAN	1461		2073		2310	
HIGHEST ANNUAL MEAN					5859	1941
LOWEST ANNUAL MEAN					844	1977
HIGHEST DAILY MEAN	4530	May 16	8510	May 29	52000	Jun 30 1927
LOWEST DAILY MEAN	301	Sep 2	495	Aug 22	.00	Jul 3 1934
ANNUAL SEVEN-DAY MINIMUM	355	Aug 27	567	Aug 17	.00	Jul 3 1934
ANNUAL RUNOFF (AC-FT)	1058000		1505000		1674000	
10 PERCENT EXCEEDS	2940		5220		5950	
50 PERCENT EXCEEDS	1120		1200		1350	
90 PERCENT EXCEEDS	635		678		490	

e Estimated

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1929 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1941 to September 1977, October 1980 to current year.
WATER TEMPERATURES: May 1944 to September 1961, October 1964 to current year.
SUSPENDED-SEDIMENT DISCHARGE: July 1929 to September 1980.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

INSTRUMENTATION.--Water-quality monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,790 microsiemens Sept. 19, 1959; minimum daily, 208 microsiemens June 17, 1952.
WATER TEMPERATURES: Maximum, 33.0°C July 31, 1959; minimum, 0.0°C on many days during winter period of most years.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 383,000 mg/L Sept. 21, 1929; minimum daily mean, no flow on several days in 1934 and 1939.
SEDIMENT LOADS: Maximum daily, 15,700,000 tons Oct. 20, 1972; minimum daily, 0 tons on several days in 1934 and 1939.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 1,460 microsiemens Jan. 10; minimum observed, 330 microsiemens June 7, 9-11.
WATER TEMPERATURES: Maximum recorded, 28.2°C Aug. 16; minimum recorded, 0.7°C Dec. 6, 8, Jan. 19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
OCT												
01...	1130	605	860	8.4	33.0	19.0	--	8.3	656	--	--	340
NOV												
26...	1115	1110	960	8.2	6.0	2.5	300	11.7	663	<1	<1	350
DEC												
18...	1200	938	970	8.1	5.0	2.0	--	12.0	650	--	--	320
FEB												
24...	1230	1430	1170	8.4	20.0	7.0	--	10.7	660	--	--	440
MAR												
23...	1100	1130	780	8.4	15.0	12.0	96	9.6	660	--	--	300
APR												
16...	1200	3400	550	8.0	24.0	14.5	--	9.0	650	--	--	180
MAY												
27...	1100	7990	420	8.2	22.0	17.0	520	7.6	653	--	--	160
JUN												
17...	1230	3780	375	8.1	29.0	16.0	--	8.0	655	--	--	140
JUL												
29...	1130	1710	630	8.2	33.0	24.0	5100	6.9	654	--	--	200
AUG												
26...	1030	4070	820	8.0	22.5	19.0	--	7.0	659	--	--	200

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT												
01...	93	25	61	28	1	3.3	--	--	--	290	17	0.3
NOV												
26...	98	26	66	29	2	3.5	0	200	163	320	17	0.4
DEC												
18...	92	23	72	32	2	3.4	--	--	--	320	21	0.4
FEB												
24...	110	39	81	29	2	3.0	--	--	--	410	23	0.3
MAR												
23...	80	23	49	26	1	2.6	7	154	138	250	17	0.3
APR												
16...	52	12	31	27	1	2.1	--	--	--	130	7.6	0.2
MAY												
27...	45	11	23	24	0.8	2.2	0	113	93	100	6.1	0.3
JUN												
17...	41	8.7	18	22	0.7	1.6	--	--	--	81	5.4	0.2
JUL												
29...	61	11	55	37	2	3.3	0	127	104	190	15	0.4
AUG												
26...	60	12	92	49	3	4.3	--	--	--	230	18	0.5

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT 01...	7.6	564	587	0.77	921	--	0.13	--	0.01	--	0.14	--
NOV 26...	9.2	628	643	0.85	1880	0.53	--	0.01	<0.01	0.54	0.54	<0.01
DEC 18...	8.9	656	635	0.89	1660	--	--	--	<0.01	--	0.64	--
FEB 24...	8.8	798	773	1.09	3080	--	--	--	<0.01	--	0.77	--
MAR 23...	7.7	516	515	0.70	1570	--	--	<0.01	<0.01	0.39	0.39	0.01
APR 16...	7.5	328	311	0.45	3010	--	--	--	<0.01	--	0.35	--
MAY 27...	9.1	268	254	0.36	5780	--	--	<0.01	<0.01	0.16	0.16	0.01
JUN 17...	8.3	222	218	0.30	2270	--	--	--	<0.01	--	0.11	--
JUL 29...	9.3	410	411	0.56	1890	0.48	--	0.02	<0.01	0.50	0.50	0.03
AUG 26...	8.7	520	530	0.71	5710	--	--	--	<0.01	--	0.78	--

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 01...	0.02	0.03	--	--	--	--	--	--	--	0.03	0.09
NOV 26...	0.01	0.01	--	0.60	1.1	5.0	0.33	0.03	0.03	0.02	0.06
DEC 18...	0.01	0.01	--	--	--	--	--	--	--	0.03	0.09
FEB 24...	0.01	0.01	--	--	--	--	--	--	--	0.04	0.12
MAR 23...	0.01	0.01	--	<0.20	--	--	0.23	0.04	0.03	0.03	0.09
APR 16...	<0.01	--	--	--	--	--	--	--	--	0.03	0.09
MAY 27...	<0.01	--	0.99	1.0	1.2	5.1	0.50	0.03	0.02	0.01	0.03
JUN 17...	0.03	0.04	--	--	--	--	--	--	--	0.02	0.06
JUL 29...	0.03	0.04	2.4	2.4	2.9	13	0.96	0.03	0.01	0.02	0.06
AUG 26...	0.04	0.05	--	--	--	--	--	--	--	0.01	0.03

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 26...	1115	20	120	<3	9	44	<1
MAR 23...	1100	20	77	<3	<3	33	<1
MAY 27...	1100	20	150	<3	19	16	1
JUL 29...	1130	10	99	<3	<3	24	<1

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 26...	<10	<1	1	<1.0	1400	<6
MAR 23...	<10	1	1	<1.0	960	<6
MAY 27...	<10	1	<1	<1.0	640	<6
JUL 29...	<10	1	1	<1.0	940	<6

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
OCT 01...	1130	80
DEC 18...	1200	70
FEB 24...	1230	80
APR 16...	1200	40
JUN 17...	1230	30
AUG 26...	1030	100

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	950	900	925	1020	990	1000	1080	1040	1060
2	---	---	---	950	890	919	1000	970	984	1070	1020	1040
3	---	---	---	910	860	887	1000	960	984	1430	1000	1030
4	---	---	---	910	880	894	1010	950	971	1040	960	991
5	---	---	---	900	870	884	980	940	963	1040	980	1000
6	---	---	---	890	860	874	960	870	910	1070	1020	1050
7	---	---	---	890	850	873	920	860	886	1020	960	987
8	---	---	---	890	860	875	860	760	796	1050	980	1010
9	---	---	---	880	840	866	950	760	824	1050	1000	1010
10	---	---	---	870	840	859	960	910	942	1460	1020	1080
11	---	---	---	850	810	838	950	870	918	1050	990	1010
12	---	---	---	880	810	837	930	790	882	1020	1000	1010
13	---	---	---	880	820	844	970	790	927	1050	1020	1030
14	---	---	---	980	830	917	1040	930	987	1090	1010	1060
15	---	---	---	930	870	909	---	---	---	1040	1000	1020
16	---	---	---	1410	760	854	---	---	---	1030	990	1010
17	---	---	---	1410	920	988	---	---	---	1050	969	1010
18	---	---	---	1020	950	986	---	---	---	1000	960	975
19	---	---	---	1020	900	978	1050	1020	1040	1010	960	985
20	---	---	---	---	---	---	1020	880	969	---	---	---
21	---	---	---	---	---	---	920	880	901	---	---	---
22	---	---	---	---	---	---	1020	910	949	---	---	---
23	---	---	---	---	---	---	950	910	925	---	---	---
24	---	---	---	---	---	---	1030	910	984	880	840	859
25	---	---	---	---	---	---	1070	1010	1040	890	830	860
26	---	---	---	---	---	---	1070	1020	1050	880	840	859
27	---	---	---	1030	980	997	1100	1030	1060	890	840	872
28	---	---	---	1030	1000	1010	1090	1050	1070	900	850	877
29	---	---	---	1030	990	1010	1070	1050	1060	900	850	876
30	---	---	---	1020	990	1010	1060	1040	1050	910	860	877
31	---	---	---	---	---	---	1070	1030	1050	910	860	883
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	900	840	870	1090	1020	1050	900	840	864	490	420	465
2	880	830	855	1070	990	1040	890	840	854	480	430	463
3	---	---	---	1060	980	1040	920	870	892	480	410	453
4	---	---	---	1080	980	1010	920	850	885	470	410	450
5	---	---	---	1120	1000	1060	860	830	847	470	440	456
6	---	---	---	1090	1000	1040	870	820	836	480	450	468
7	---	---	---	1020	960	996	830	780	811	480	440	466
8	---	---	---	1020	960	988	820	790	806	480	450	465
9	---	---	---	970	940	953	800	710	752	800	450	481
10	---	---	---	1030	940	991	720	660	695	560	480	515
11	---	---	---	1010	930	981	690	620	669	670	520	608
12	---	---	---	1000	950	973	680	630	659	600	460	517
13	---	---	---	970	910	943	670	590	628	490	410	463
14	---	---	---	950	910	932	610	570	592	---	---	---
15	---	---	---	960	910	933	---	---	---	---	---	---
16	---	---	---	960	920	942	---	---	---	---	---	---
17	---	---	---	960	880	920	580	530	548	---	---	---
18	---	---	---	920	860	886	540	520	527	---	---	---
19	---	---	---	---	---	---	530	500	517	---	---	---
20	---	---	---	---	---	---	520	490	506	---	---	---
21	---	---	---	---	---	---	500	470	492	---	---	---
22	---	---	---	---	---	---	500	470	486	---	---	---
23	---	---	---	---	---	---	500	480	490	---	---	---
24	---	---	---	870	810	838	500	460	487	---	---	---
25	1120	1040	1070	900	840	872	500	440	481	---	---	---
26	1100	1030	1060	890	850	874	510	450	490	---	---	---
27	1060	1010	1040	880	830	855	520	450	494	---	---	---
28	1070	1000	1040	840	800	824	520	440	485	480	420	446
29	1060	1010	1040	886	810	842	500	430	477	510	420	441
30	---	---	---	980	890	938	490	430	467	510	400	422
31	---	---	---	970	900	943	---	---	---	430	390	415
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	430	400	416	480	420	451	769	690	723	---	---	---
2	440	370	411	500	440	463	800	720	762	---	---	---
3	430	390	410	490	420	461	810	730	780	---	---	---
4	420	340	397	500	430	473	828	780	801	---	---	---
5	420	360	401	520	440	484	860	780	822	---	---	---
6	420	350	393	558	480	516	868	760	820	---	---	---
7	420	330	383	560	520	543	1030	760	837	---	---	---
8	400	380	389	570	520	544	1010	830	909	---	---	---
9	400	330	379	580	470	529	930	830	888	---	---	---
10	410	330	386	590	500	545	940	840	902	---	---	---
11	420	330	384	701	530	566	920	810	881	---	---	---
12	420	350	393	730	550	597	940	830	887	---	---	---
13	430	360	403	690	540	623	930	820	870	---	---	---
14	420	370	406	840	660	733	910	840	875	---	---	---
15	410	360	393	820	630	700	900	800	860	---	---	---
16	400	370	385	690	580	624	960	840	896	---	---	---
17	420	360	388	650	580	607	950	840	890	---	---	---
18	430	350	397	660	560	619	910	790	853	---	---	---
19	460	380	416	690	610	645	880	790	835	---	---	---
20	460	380	421	680	560	644	880	790	840	---	---	---
21	450	370	415	727	640	682	910	820	867	---	---	---
22	450	360	401	750	680	725	960	890	919	---	---	---
23	430	350	399	880	640	727	1090	890	921	---	---	---
24	440	350	394	920	590	721	1020	880	914	---	---	---
25	460	350	414	788	590	662	1240	850	958	---	---	---
26	450	380	424	797	720	756	1320	800	942	---	---	---
27	540	400	463	---	---	---	1080	871	980	---	---	---
28	510	400	440	---	---	---	---	---	---	---	---	---
29	480	390	439	---	---	---	---	---	---	---	---	---
30	470	400	439	690	620	662	---	---	---	---	---	---
31	---	---	---	720	660	685	---	---	---	---	---	---
MONTH	540	330	406	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.6	18.5	19.8	7.0	5.6	6.4	4.3	2.9	3.4	3.2	2.3	2.7
2	20.0	18.1	19.2	7.0	6.0	6.3	3.0	1.5	2.1	2.9	2.0	2.3
3	19.4	17.4	18.5	6.0	4.7	5.4	2.1	1.1	1.4	2.2	1.8	2.0
4	18.7	16.7	17.6	6.1	4.5	5.2	1.4	.9	1.2	2.7	1.3	1.8
5	17.1	14.7	16.1	7.3	5.2	6.1	1.4	.8	1.2	3.9	2.6	3.1
6	16.6	14.5	15.9	8.6	6.5	7.4	1.4	.7	1.2	4.3	3.6	4.0
7	16.7	14.9	16.0	9.9	7.8	8.7	1.3	.9	1.2	4.2	3.4	3.7
8	17.4	15.0	16.2	10.3	8.9	9.6	1.3	.7	1.1	3.3	2.4	2.9
9	17.5	15.7	16.7	11.1	9.4	10.1	1.7	.9	1.3	3.2	2.3	2.7
10	17.6	15.7	16.8	11.2	10.6	11.0	2.2	1.2	1.6	2.9	2.0	2.3
11	17.8	15.9	17.0	12.0	10.6	11.2	3.2	2.2	2.8	2.1	1.5	1.7
12	17.7	16.0	17.0	12.0	10.6	11.2	3.8	2.7	3.3	2.4	1.4	1.7
13	17.4	15.5	16.5	11.3	9.1	9.9	4.1	3.6	3.9	1.9	1.0	1.4
14	16.7	14.9	16.0	9.3	7.8	8.3	3.9	3.2	3.5	1.3	.8	1.2
15	16.6	14.9	15.9	9.0	8.6	8.8	3.3	2.6	2.9	1.3	.8	1.1
16	16.6	14.7	15.7	8.7	7.9	8.1	2.9	2.3	2.6	1.3	.8	1.2
17	16.4	14.5	15.5	7.9	6.2	6.9	2.4	2.0	2.2	1.3	.8	1.2
18	16.2	14.5	15.5	7.7	7.1	7.3	2.2	1.8	2.1	1.3	.8	1.2
19	16.2	14.5	15.5	7.2	5.8	6.3	2.7	1.9	2.4	1.4	.7	1.1
20	16.1	14.7	15.5	6.3	4.8	5.3	3.9	2.6	3.2	1.4	.8	1.2
21	15.9	13.9	14.8	5.4	4.6	4.9	3.9	3.5	3.6	1.6	.9	1.3
22	15.3	14.2	14.8	5.2	4.3	4.8	4.3	3.1	3.9	1.8	.9	1.4
23	15.1	14.0	14.7	4.5	3.2	3.7	4.3	3.7	4.0	1.9	1.0	1.5
24	15.2	13.7	14.5	3.8	2.5	3.1	4.0	3.6	3.9	2.4	1.0	1.8
25	15.0	13.8	14.5	4.2	3.1	3.6	3.7	2.9	3.2	3.1	1.5	2.3
26	14.5	12.9	13.6	4.3	3.4	3.9	3.0	2.4	2.6	3.5	2.0	2.8
27	13.6	11.7	12.5	4.7	3.5	4.1	2.6	2.2	2.4	3.9	2.4	3.3
28	11.7	9.7	10.6	5.9	4.2	4.9	2.9	2.4	2.7	4.0	2.6	3.4
29	9.7	8.0	8.6	5.9	5.0	5.5	3.2	2.6	2.9	4.0	2.5	3.4
30	8.0	6.6	7.2	5.6	4.3	4.9	3.5	3.0	3.3	4.2	2.6	3.5
31	7.0	5.5	6.5	---	---	---	3.7	2.8	3.2	4.3	2.9	3.7
MONTH	20.6	5.5	15.0	12.0	2.5	6.8	4.3	.7	2.6	4.3	.7	2.2

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	3.1	3.9	10.7	8.5	9.5	13.3	11.3	12.3	17.1	14.5	15.9
2	4.9	3.4	4.3	11.4	9.7	10.6	14.9	12.5	13.5	17.0	14.5	15.9
3	5.9	4.2	5.0	11.9	10.6	11.5	15.2	13.2	14.2	17.4	14.7	16.1
4	5.6	4.6	5.1	11.9	9.9	10.8	15.9	13.5	14.5	17.5	14.8	16.2
5	5.1	3.6	4.4	11.4	10.2	10.9	16.6	14.5	15.6	17.7	15.3	16.6
6	4.8	3.8	4.4	11.3	9.7	10.5	16.7	14.7	15.8	17.5	15.8	16.5
7	4.8	3.7	4.2	11.4	9.4	10.3	17.5	15.0	16.1	17.2	14.9	16.0
8	7.0	4.6	5.3	11.3	9.7	10.2	17.5	15.6	16.6	16.7	15.1	16.1
9	7.5	4.8	6.2	10.1	8.6	9.5	17.6	15.4	16.4	15.9	15.0	15.6
10	8.1	5.9	6.2	10.4	8.4	9.5	17.6	15.8	16.7	15.4	13.5	14.4
11	6.1	5.2	5.6	10.9	8.8	10.0	18.0	15.6	16.6	15.6	12.9	14.3
12	7.3	5.7	6.4	11.5	9.1	10.4	17.9	16.0	16.9	17.0	14.3	15.5
13	7.2	6.9	7.1	12.4	9.8	11.2	17.8	15.8	16.8	18.0	15.1	16.5
14	8.8	6.0	7.3	12.9	10.7	12.0	18.1	16.0	17.0	18.3	15.4	16.9
15	8.6	5.6	6.7	13.1	11.2	12.3	18.0	16.2	16.9	18.1	15.4	17.0
16	8.0	5.8	6.4	13.4	11.4	12.6	16.6	14.5	15.5	18.3	15.2	16.9
17	7.5	4.4	5.1	13.4	11.5	12.2	16.6	14.3	15.4	18.4	15.4	17.0
18	5.7	4.3	5.0	12.3	10.1	11.3	15.5	13.6	14.3	18.6	16.0	17.4
19	8.0	4.4	5.6	11.4	9.5	10.6	13.5	11.5	12.4	18.6	16.8	17.9
20	7.5	4.9	6.4	12.0	9.7	10.9	12.7	10.4	11.6	17.9	16.6	16.9
21	8.5	6.1	7.3	11.8	10.2	10.9	13.3	10.7	12.0	16.9	15.4	16.0
22	8.8	7.0	7.9	11.7	10.3	11.2	14.3	12.5	13.3	15.6	13.8	14.7
23	9.4	7.6	8.5	12.0	10.6	11.5	14.5	12.6	13.6	15.8	14.0	14.9
24	8.7	6.7	7.8	13.1	10.4	11.8	14.8	12.4	13.7	16.5	15.4	15.7
25	7.9	6.3	7.2	14.0	11.1	12.6	15.2	12.5	13.8	17.2	15.1	16.2
26	8.0	6.1	7.1	14.4	12.4	13.4	16.7	13.3	14.6	17.7	14.8	15.9
27	8.8	6.6	7.7	14.2	12.1	12.8	17.0	14.1	15.5	17.7	16.3	17.2
28	9.5	7.3	8.4	12.7	11.2	12.0	17.8	14.4	16.0	17.3	15.4	16.5
29	9.8	8.0	9.0	14.0	11.5	12.6	17.8	15.0	16.4	17.0	15.5	16.2
30	---	---	---	14.4	12.7	13.7	17.6	14.7	16.3	16.0	14.0	15.0
31	---	---	---	13.8	12.3	12.8	---	---	---	17.0	14.9	16.0
MONTH	9.8	3.1	6.3	14.4	8.4	11.4	18.1	10.4	15.0	18.6	12.9	16.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.2	14.8	16.1	21.4	19.6	20.5	27.1	23.5	25.4	22.3	19.4	20.8
2	17.6	14.6	16.2	22.0	19.2	20.5	27.1	24.2	25.9	22.2	20.4	21.4
3	17.6	15.8	16.5	23.2	20.1	21.3	27.6	24.8	26.4	22.2	20.2	21.4
4	17.9	15.1	16.5	24.0	21.6	22.6	27.4	24.9	26.1	22.0	20.3	21.0
5	18.8	16.4	17.5	24.9	21.8	23.4	27.1	25.0	25.9	21.6	18.8	20.1
6	18.5	16.6	17.6	25.2	22.8	24.2	25.5	23.5	24.7	21.6	19.9	20.9
7	18.3	15.6	17.2	25.2	23.2	23.9	26.9	23.5	25.2	22.0	19.9	21.0
8	18.0	16.1	16.8	23.9	22.3	23.0	26.7	23.7	25.0	22.0	19.9	21.2
9	17.8	14.6	16.1	25.3	22.4	23.6	27.0	24.2	25.9	22.0	20.2	21.4
10	18.3	15.3	16.8	25.3	23.5	24.4	28.1	24.6	26.5	22.5	20.0	21.3
11	18.7	16.6	17.7	25.3	23.5	24.4	27.6	25.3	26.3	22.5	20.7	21.8
12	19.1	16.6	18.0	23.9	22.4	23.0	27.4	23.6	25.6	22.5	20.9	21.7
13	19.3	16.7	18.1	22.8	20.5	21.8	27.8	24.6	26.4	22.4	20.6	21.5
14	19.2	16.8	17.8	23.2	20.9	22.2	27.8	24.4	26.3	23.3	21.0	22.2
15	18.4	15.7	17.1	23.7	21.2	22.5	28.1	24.4	26.4	23.6	21.8	22.8
16	18.3	16.0	17.3	24.4	21.9	23.2	28.2	24.8	26.6	24.0	22.3	23.3
17	19.1	15.8	17.4	25.2	22.4	23.9	27.6	24.7	25.9	24.0	21.7	22.6
18	20.3	16.8	18.4	25.1	23.1	24.3	27.9	24.2	25.9	22.8	20.7	21.4
19	21.6	18.0	19.6	25.5	22.4	24.0	27.3	24.4	26.0	21.8	18.8	20.4
20	22.0	18.9	20.5	26.5	23.3	24.8	26.8	23.7	25.6	20.7	18.4	19.6
21	22.1	18.9	20.6	25.6	22.8	24.5	26.7	23.6	25.4	21.0	18.8	19.8
22	22.1	18.7	20.7	25.4	23.3	24.5	25.3	23.1	23.9	21.1	19.0	20.1
23	22.2	19.3	21.1	25.1	13.0	22.5	23.1	22.0	22.6	21.4	19.0	20.1
24	22.1	19.7	21.1	23.0	18.3	21.6	24.1	21.1	22.5	21.3	19.4	20.4
25	22.2	20.1	21.5	24.1	21.1	22.5	23.3	20.9	21.9	21.1	19.1	19.9
26	22.0	20.1	21.2	25.2	22.5	24.0	21.7	19.6	20.6	19.7	17.5	18.5
27	22.1	19.6	21.0	24.9	22.3	23.7	21.0	18.8	19.8	19.0	16.7	17.8
28	23.3	20.3	21.7	24.7	21.8	23.5	21.3	18.8	20.0	19.0	16.8	18.0
29	23.3	20.9	22.0	25.5	22.6	24.3	21.3	18.7	20.3	19.3	17.2	18.3
30	22.1	19.9	21.0	26.1	22.9	24.6	21.0	18.8	20.5	19.8	17.6	18.7
31	---	---	---	26.1	23.4	25.1	21.0	20.1	20.5	---	---	---
MONTH	23.3	14.6	18.7	26.5	13.0	23.3	28.2	18.7	24.4	24.0	16.7	20.6

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-, CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. DIAM. FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
26...	1115	1110	2.5	88	926	2780
MAR						
23...	1100	1130	12.0	76	394	1200
MAY						
27...	1100	7990	17.0	82	2640	57000

09379900 LAKE POWELL AT GLEN CANYON DAM, AZ

LOCATION.--Lat 36°56'12", long 111°29'00", in sec. 24, T. 41 N., R. 8 E., Coconino County, Hydrologic Unit 14070006, at Glen Canyon Dam on Colorado River, 900 ft upstream from bridge on U.S. Highway 89, 1.4 mi downstream from Wahweap Creek, 2 mi northwest of Page, and 12 mi downstream from Utah-Arizona State line.

DRAINAGE AREA.--111,700 mi², approximately, including 3,959 mi² in Great Divide Basin in southern Wyoming, which is noncontributing.

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

GAGE.--Water-stage recorder. Datum of gage is 3,370 ft above NGVD of 1929. Prior to Sept. 1, 1964, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete-arch gravity dam; storage began Mar. 13, 1963; dam completed September 1963. Total capacity, (from capacity table computed by U.S. Bureau of Reclamation, based on a survey completed in 1985; used since October 1, 1990) 26,215,000 acre-ft, consisting of the following: Dead storage, 1,893,000 acre-ft below elevation 3,370 ft--sill of outlet gates usable contents, 24,322,000 acre-ft between elevations 3,370 ft and 3,700 ft--top of conservation pool. Reservoir is used for power development, to provide storage replacement for upstream irrigation development, and to meet downstream requirements under the Colorado River Compact of 1922. Figures given herein represent usable contents; prior to Oct. 1, 1968, figures of total contents were published (prior to sealing of diversion tunnel July 7, 1965, all storage was usable).

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES (at 2400) FOR PERIOD OF RECORD.--Maximum contents, 26,373,000 acre-ft July 14, 1983, elevation, 3,708.34 ft; minimum since power pool level was reached (Aug. 16, 1964), 4,166,000 acre-ft Mar. 18, 1965, elevation, 3,490.76 ft.

EXTREMES (at 2400) FOR CURRENT YEAR.--Maximum contents, 15,307,000 acre-ft June 23, elevation, 3,634.01 ft; minimum, 13,687,000 acre-ft Mar. 26, elevation, 3,619.28 ft.

REVISIONS.--Revised reservoir storage, in thousands of acre-feet for water year 1991 are given below. These figures supersede those published in the report for 1991.

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

3,615	13,240,000	3,630	14,852,000
3,620	13,763,000	3,635	15,420,000
3,625	14,300,000		

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15720	15693	15557	15223	14921	14738	14590	14585	15166	15881	15466	14985
2	15727	15691	15558	15202	14909	14734	14587	14589	15213	15871	15464	14978
3	15727	15693	15546	15185	14902	14739	14577	14621	15251	15864	15438	14960
4	15722	15693	15536	15169	14891	14738	14575	14612	15287	15850	15445	14941
5	15717	15689	15526	15153	14886	14731	14566	14609	15308	15833	15426	14919
6	15715	15694	15512	15137	14879	14729	14574	14602	15338	15820	15411	14914
7	15712	15680	15499	15121	14869	14726	14566	14590	15355	15802	15400	14909
8	15709	15672	15492	15106	14868	14726	14560	14576	15385	15779	15392	14907
9	15700	15673	15485	15092	14872	14726	14553	14577	15427	15762	15377	14902
10	15691	15679	15472	15078	14878	14731	14541	14573	15451	15742	15364	14904
11	15691	15681	15457	15084	14869	14727	14539	14555	15477	15724	15350	14896
12	15689	15680	15446	15083	14854	14723	14533	14554	15510	15732	15332	14888
13	15687	15673	15433	15085	14845	14719	14534	14561	15535	15739	15323	14882
14	15691	15665	15434	15081	14839	14715	14538	14569	15555	15748	15303	14878
15	15689	15657	15433	15077	14832	14714	14542	14584	15595	15730	15284	14879
16	15682	15647	15433	15060	14820	14710	14540	14601	15632	15712	15266	14871
17	15681	15644	15422	15053	14824	14711	14544	14634	15658	15696	15251	14861
18	15678	15644	15413	15039	14814	14709	14541	14678	15676	15674	15235	14851
19	15676	15632	15400	15033	14798	14707	14544	14716	15698	15651	15222	14839
20	15681	15632	15389	15039	14785	14706	14542	14735	15722	15637	15205	14828
21	15681	15611	15377	15024	14778	14706	14560	14756	15741	15620	15182	14814
22	15686	15606	15364	15016	14766	14685	14566	14784	15766	15596	15162	14813
23	15687	15602	15346	14996	14764	14665	14560	14830	15794	15585	15142	14801
24	15686	15601	15328	14973	14762	14653	14563	14861	15810	15563	15124	14784
25	15683	15597	15309	14977	14757	14628	14566	14892	15817	15543	15113	14768
26	15689	15584	15291	14977	14754	14606	14563	14931	15822	15544	15092	14750
27	15694	15584	15281	14973	14747	14606	14573	14962	15824	15544	15069	14731
28	15697	15579	15268	14961	14742	14594	14586	14995	15840	15548	15053	14718
29	15700	15568	15265	14950	---	14599	14587	15023	15862	15537	15034	14706
30	15700	15564	15268	14943	---	14601	14587	15053	15888	15508	15013	14699
31	15697	---	15247	14933	---	14602	---	15112	---	15489	14990	---
MAX	15700	15700	15600	15200	14900	14700	14600	15100	15900	15900	15500	15000
MIN	15700	15600	15200	14900	14700	14600	14500	14600	15200	15500	15000	14700
(#)	3637.39	3636.24	3633.48	3630.71	3629.00	3627.75	3627.61	3632.30	3639.02	3635.59	3631.22	3628.62
(*) (a)	-23	-133	-317	-314	-191	-140	-15	+525	+776	-399	-499	-291

CAL YR 1990 . . . . . (*)(a) -3,044
WTR YR 1991 . . . . . (*) -1,021

(#) Elevation, in feet, at end of month.
(*) Change in contents, in thousands of acre-feet.
(a) Based on new capacity table effective October 1, 1990.

09379900 LAKE POWELL AT GLEN CANYON DAM, AZ--Continued

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14695	14541	14463	14245	13894	13744	13700	13924	14971	15266	14902	14413
2	14691	14544	14456	14237	13890	13738	13698	13937	14990	15254	14891	14401
3	14685	14541	14447	14224	13882	13741	13700	13958	15038	15260	14866	14390
4	14681	14532	14440	14216	13873	13737	13698	13971	15068	15240	14848	14381
5	14677	14528	14429	14213	13866	13736	13700	13990	15091	15234	14836	14370
6	14674	14523	14418	14198	13864	13734	13699	14010	15110	15220	14816	14362
7	14665	14519	14408	14189	13857	13734	13698	14032	15134	15201	14793	14356
8	14662	14516	14401	14179	13851	13739	13698	14050	15161	15186	14775	14340
9	14651	14514	14391	14169	13850	13734	13694	14083	15184	15173	14759	14326
10	14642	14511	14383	14158	13847	13734	13699	14100	15207	15160	14748	14312
11	14637	14510	14377	14149	13839	13731	13702	14135	15217	15142	14726	14294
12	14630	14506	14365	14140	13833	13734	13709	14170	15223	15136	14704	14281
13	14626	14499	14364	14127	13829	13732	13715	14198	15238	15132	14694	14272
14	14619	14506	14361	14122	13828	13731	13719	14220	15250	15129	14669	14257
15	14612	14505	14361	14110	13827	13729	13724	14253	15256	15119	14647	14241
16	14605	14501	14354	14094	13827	13725	13736	14288	15272	15111	14633	14225
17	14595	14509	14344	14076	13825	13720	13743	14323	15282	15097	14608	14212
18	14594	14511	14334	14065	13813	13716	13762	14356	15289	15087	14590	14203
19	14590	14512	14328	14054	13808	13717	13772	14388	15295	15084	14572	14202
20	14584	14509	14320	14034	13800	13706	13788	14429	15296	15066	14553	14200
21	14577	14507	14309	14014	13794	13699	13798	14468	15304	15046	14516	14192
22	14568	14505	14309	13993	13786	13701	13820	14491	15303	15034	14521	14181
23	14558	14497	14303	13978	13786	13704	13835	14536	15307	15022	14510	14168
24	14555	14498	14296	13966	13774	13697	13846	14586	15301	14998	14490	14153
25	14550	14492	14292	13953	13769	13694	13860	14643	15298	14985	14482	14149
26	14541	14484	14286	13948	13760	13687	13874	14680	15298	14982	14470	14129
27	14546	14482	14279	13937	13752	13690	13892	14724	15299	14972	14460	14121
28	14543	14478	14273	13922	13749	13690	13895	14773	15293	14963	14445	14109
29	14539	14477	14269	13914	13745	13690	13905	14821	15287	14956	14435	14097
30	14544	14475	14260	13905	---	13693	13913	14874	15276	14933	14439	14085
31	14546	---	14252	13897	---	13699	---	14935	---	14914	14428	---
MAX	14700	14500	14500	14200	13900	13700	13900	14900	15300	15300	14900	14400
MIN	14500	14500	14300	13900	13700	13700	13700	13900	15000	14900	14400	14100
(#)	3627.24	3626.59	3624.55	3621.26	3619.83	3619.39	3621.41	3630.73	3633.74	3630.54	3626.16	3623.01
(*)	-153	-71	-223	-355	-152	-46	+214	+1022	+341	-362	-486	-343

CAL YR 1991 . . . . . (*) -995
WTR YR 1992 . . . . . (*) -614

(#) Elevation, in feet, at end of month.
(*) Change in contents, in thousands of acre-feet.

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE¼NE¼SW¼ sec. 5, T. 43 S., R. 6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,060 ft above NGVD of 1929, from topographic map. A crest-stage gage was in operation at this site from July 22, 1959 to Sept. 30, 1968 at different datum. July 6, 1979, to Sept. 18, 1984, water-stage recorder at same site, different datum.

REMARKS.--Records poor. Several diversions above station for irrigation and stock watering (revised).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,130 ft³/s (estimated) Aug. 20, 1984, maximum gage height, 7.20 ft temporary datum then in use (revised) Aug. 20, 1984; minimum daily discharge, 3.0 ft³/s June 15, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge recorded by crest-stage gage, 3,030 ft³/s Sept. 8, 1961, gage height, 15.70 ft at different datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Aug. 23	1130	a *65	*4.48				

a estimated
Minimum daily discharge, 4.4 ft³/s Jan. 12.

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	7.4	7.6	9.4	4.7	9.4	10	19	8.9	6.8	6.3	5.3	e5.5
2	7.7	7.5	10	6.1	8.9	11	9.1	9.2	6.9	6.9	5.3	e6.0
3	8.1	7.6	8.8	5.3	8.8	14	7.6	8.9	7.3	6.6	5.9	e6.0
4	8.1	7.5	7.7	5.5	9.1	12	8.0	8.9	7.0	7.0	5.6	e6.0
5	8.2	7.3	7.4	4.7	9.4	11	8.3	8.3	6.5	6.6	5.7	e6.0
6	8.2	7.7	7.5	4.7	8.8	13	8.4	8.3	6.9	7.1	5.7	e6.0
7	8.5	7.4	7.4	5.1	8.7	12	8.5	8.5	6.8	6.4	5.6	e6.0
8	8.4	7.5	6.6	5.8	9.1	13	8.8	9.0	6.6	7.0	4.9	e6.0
9	8.6	7.9	6.2	5.3	9.3	11	8.7	8.8	6.9	6.7	4.9	e6.0
10	9.6	7.6	6.3	5.9	10	12	8.6	8.8	6.3	7.2	4.9	e6.0
11	7.8	7.8	5.9	5.8	9.8	13	8.4	8.3	6.4	6.9	4.8	e6.0
12	8.0	8.2	7.0	4.4	9.4	14	8.3	7.7	6.3	7.2	5.0	e6.0
13	8.1	8.1	7.3	5.5	10	14	8.4	7.8	6.4	7.2	5.0	e6.0
14	8.6	8.1	7.3	6.6	9.4	14	8.4	7.7	6.1	6.9	5.0	e6.0
15	8.7	8.6	7.6	13	9.8	14	8.9	7.7	6.7	6.9	5.2	e6.5
16	8.4	e8.5	7.6	11	9.7	14	8.4	7.6	6.6	6.7	5.0	e6.5
17	8.2	e8.5	6.7	12	9.2	14	8.4	7.3	6.6	6.8	4.8	e6.5
18	7.9	7.9	6.2	9.8	8.4	14	9.0	7.8	6.4	6.5	4.8	6.5
19	7.7	8.0	6.3	11	8.7	14	9.6	7.9	6.7	6.8	4.9	6.2
20	e9.0	e8.0	6.1	11	8.7	14	9.2	7.8	6.7	6.3	5.1	5.9
21	e9.0	7.8	5.9	11	8.8	15	9.2	7.8	6.5	6.3	5.7	5.9
22	e9.0	8.0	5.7	10	9.1	16	9.3	8.2	6.7	6.6	4.8	5.5
23	e7.5	8.9	5.6	9.7	8.7	17	9.7	7.7	6.2	6.3	e8.5	5.8
24	e8.5	8.5	5.2	8.9	8.1	16	9.5	7.5	6.3	6.3	e6.5	5.7
25	9.0	8.1	5.2	8.8	8.3	15	9.8	8.2	6.4	6.5	e6.0	5.9
26	8.6	8.1	5.4	8.6	8.4	15	9.1	7.4	7.0	6.2	e6.0	6.1
27	8.3	7.9	5.6	9.1	8.3	16	9.6	5.7	6.9	5.8	e6.0	5.4
28	7.9	7.9	5.0	9.4	8.8	19	9.3	6.1	6.5	5.8	e5.5	5.6
29	8.5	8.0	5.2	9.4	9.2	16	9.0	6.5	6.1	5.5	e5.5	6.0
30	8.2	8.0	5.0	9.2	---	16	9.0	6.8	5.9	5.6	e5.5	5.7
31	7.8	---	4.5	9.1	---	23	---	6.9	---	5.5	e5.5	---
TOTAL	257.5	238.5	203.6	246.4	262.3	442	275.5	244.0	197.4	202.4	168.9	179.2
MEAN	8.31	7.95	6.57	7.95	9.04	14.3	9.18	7.87	6.58	6.53	5.45	5.97
MAX	9.6	8.9	10	13	10	23	19	9.2	7.3	7.2	8.5	6.5
MIN	7.4	7.3	4.5	4.4	8.1	10	7.6	5.7	5.9	5.5	4.8	5.4
AC-FT	511	473	404	489	520	877	546	484	392	401	335	355

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

MEAN	12.0	11.0	12.8	13.2	18.9	23.4	25.3	11.0	7.44	7.65	9.58	9.81
MAX	25.7	15.2	21.7	16.8	45.1	72.4	132	27.6	12.1	13.8	16.5	17.3
(WY)	1982	1988	1980	1983	1980	1983	1980	1980	1981	1981	1981	1986
MIN	6.37	6.58	5.31	6.18	9.04	9.68	6.81	6.80	4.37	4.19	5.45	5.43
(WY)	1989	1990	1990	1987	1992	1988	1990	1991	1986	1982	1992	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	2890.1		2917.7			
ANNUAL MEAN	7.92		7.97		13.5	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					7.96	1991
HIGHEST DAILY MEAN	20	Jan 5	23	Mar 31	354	Apr 6 1980
LOWEST DAILY MEAN	3.2	Aug 6	4.4	Jan 12	3.0	Jun 15 1986
ANNUAL SEVEN-DAY MINIMUM	3.8	Jul 26	4.9	Aug 8	3.0	Jun 13 1986
ANNUAL RUNOFF (AC-FT)	5730		5790		9760	
10 PERCENT EXCEEDS	11		11		20	
50 PERCENT EXCEEDS	7.5		7.7		10	
90 PERCENT EXCEEDS	5.1		5.5		5.8	

e Estimated

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'19", long 112°36'13", in SE$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 14, T. 40 S., R. 7 W., Kane County, Hydrologic Unit 15010008, on right bank 50 ft downstream from Lydia's Creek, and 1.0 mi north of the town of Glendale on U.S. Highway 89.

DRAINAGE AREA (REVISED).--74.2 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and artificial concrete control. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. A few small diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 640 ft^3/s July 27, 1976, gage height, 4.14 ft; minimum daily discharge, 3.3 ft^3/s June 20, 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 24	0100	*44	*1.61				

Minimum daily discharge, 3.9 ft^3/s May 17.

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	8.4	8.7	7.5	9.8	9.7	15	28	9.1	17	5.4	8.4	8.6
2	8.0	8.6	11	9.5	10	19	24	8.3	16	6.0	8.2	7.6
3	6.6	9.0	14	10	9.9	26	22	8.9	18	5.9	8.4	6.9
4	6.7	9.0	15	11	10	23	23	9.6	15	6.4	8.7	6.8
5	8.0	7.4	12	10	11	20	22	8.9	13	5.6	7.9	8.4
6	7.7	11	8.7	11	10	20	21	8.9	13	5.5	16	9.8
7	7.8	14	8.8	11	10	21	21	9.1	13	6.4	13	9.8
8	8.3	7.1	9.3	10	11	21	19	8.7	12	8.2	11	9.2
9	7.9	4.6	9.2	10	12	19	19	8.5	12	7.7	10	8.5
10	8.0	7.9	9.9	10	13	16	18	7.5	11	7.2	7.6	6.6
11	7.5	7.6	11	10	15	17	18	7.4	9.0	7.1	5.6	6.0
12	7.6	7.4	9.6	9.5	15	18	17	6.6	7.7	8.7	5.8	5.9
13	7.7	7.8	9.0	9.5	16	19	17	6.6	7.1	8.5	5.1	5.8
14	7.6	9.1	8.8	10	13	24	18	6.4	8.7	7.2	5.7	5.9
15	7.0	11	8.7	10	11	24	20	6.1	9.8	6.6	7.2	6.5
16	6.6	12	8.6	10	12	24	22	4.9	5.8	5.9	7.4	7.4
17	7.0	11	9.0	10	11	23	17	3.9	6.3	5.8	7.0	6.5
18	7.1	15	10	10	11	22	15	5.1	5.4	5.7	6.8	9.2
19	6.3	16	11	9.9	12	20	15	6.4	4.9	5.3	6.5	12
20	6.3	13	9.7	9.7	13	18	15	9.3	4.6	5.7	6.4	8.9
21	6.4	9.8	9.7	9.8	13	18	13	13	6.4	6.2	7.0	10
22	6.8	9.1	9.9	9.5	16	19	15	13	6.3	6.5	7.6	8.7
23	8.5	8.2	9.7	9.7	21	20	15	15	6.7	6.8	12	7.3
24	14	9.6	9.4	9.9	18	18	14	24	6.8	6.7	7.5	8.9
25	11	10	9.1	10	14	18	12	20	7.1	7.0	7.1	8.7
26	10	10	9.1	10	14	17	11	16	6.7	8.6	7.6	8.7
27	14	11	8.8	11	14	25	11	17	6.8	9.0	6.6	9.1
28	13	10	8.6	11	15	23	10	16	7.2	8.7	6.6	7.7
29	14	9.1	9.3	14	16	24	9.2	19	6.7	7.8	7.2	6.7
30	15	8.1	10	18	---	27	9.4	23	5.0	7.6	7.8	7.0
31	11	---	9.8	15	---	29	---	19	---	6.3	15	---
TOTAL	271.8	292.1	304.2	328.8	376.6	647	510.6	345.2	275.0	212.0	254.7	239.1
MEAN	8.77	9.74	9.81	10.6	13.0	20.9	17.0	11.1	9.17	6.84	8.22	7.97
MAX	15	16	15	18	21	29	28	24	18	9.0	16	12
MIN	6.3	4.6	7.5	9.5	9.7	15	9.2	3.9	4.6	5.3	5.1	5.8
AC-FT	539	579	603	652	747	1280	1010	685	545	421	505	474

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1992, BY WATER YEAR (WY)

MEAN	13.9	15.8	16.9	17.0	19.2	23.9	38.1	31.7	15.7	12.2	12.0	11.5
MAX	22.5	24.6	30.2	26.2	36.4	50.5	145	131	43.6	28.3	26.6	24.7
(WY)	1984	1984	1967	1980	1980	1983	1980	1980	1980	1983	1983	1980
MIN	6.60	8.38	9.58	9.40	9.90	11.5	8.93	6.38	5.16	5.55	5.72	5.10
(WY)	1990	1990	1990	1991	1991	1977	1989	1989	1989	1991	1991	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1967 - 1992	
ANNUAL TOTAL	3258.6		4057.1			
ANNUAL MEAN	8.93		11.1		19.0	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	26	Mar 5	29	Mar 31	285	Apr 21 1980
LOWEST DAILY MEAN	4.6	Nov 9	3.9	May 17	3.3	Jun 20 1989
ANNUAL SEVEN-DAY MINIMUM	5.2	Jul 28	5.6	May 13	3.7	Jun 19 1989
ANNUAL RUNOFF (AC-FT)	6460		8050		13750	
10 PERCENT EXCEEDS	13		19		27	
50 PERCENT EXCEEDS	8.6		9.6		15	
90 PERCENT EXCEEDS	5.6		6.4		8.1	

09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°09'51", long 112°57'28", in SE¼SW¼NW¼ sec. 2, T. 42 S., R. 10 W., Washington County, Hydrologic Unit 15010008, on right bank in Zion National Park, 1.2 mi upstream from Shunesburg, 0.7 mi upstream from Zion National Park boundary.

DRAINAGE AREA.--395 mi^2, approximately.

PERIOD OF RECORD.-October 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 3,940 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Numerous small diversions above the station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 500 ft^3/s Sept. 19, gage height, 6.41 ft, from rating curve extended above 152 ft^3/s on basis of slope-area measurement of peak flow; minimum daily discharge, 35 ft^3/s, several days in October.

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	36	48	49	55	58	59	114	40	40	42	37	46
2	37	47	52	54	58	66	77	39	37	42	37	43
3	35	44	52	57	58	106	72	39	39	42	37	43
4	36	46	53	59	58	85	71	39	40	42	37	41
5	36	46	53	58	57	68	68	40	39	41	37	41
6	36	44	53	62	57	64	66	42	38	41	56	41
7	35	48	53	58	58	63	66	42	39	43	47	42
8	36	47	53	57	57	81	65	41	40	44	42	42
9	36	47	53	57	57	64	64	41	39	42	41	42
10	35	47	54	58	63	60	62	40	37	43	39	42
11	35	46	56	58	73	58	59	40	36	45	39	42
12	35	46	53	58	59	59	59	40	38	46	43	42
13	36	47	53	53	106	59	58	40	38	47	39	42
14	36	47	52	55	73	58	58	39	40	41	38	42
15	36	51	52	57	61	57	58	40	41	39	39	43
16	35	51	52	55	71	57	60	40	41	39	43	58
17	35	51	53	58	63	57	58	40	41	38	39	45
18	36	54	54	58	56	55	52	40	41	37	39	47
19	38	52	56	55	56	54	51	41	41	37	39	130
20	38	50	54	55	59	54	52	44	41	37	39	54
21	37	53	54	56	60	56	52	48	41	37	39	41
22	39	51	55	56	61	56	52	45	41	37	42	40
23	39	50	54	55	60	66	51	43	42	37	63	39
24	44	51	55	57	58	61	48	51	43	38	52	39
25	43	52	55	57	59	58	49	68	42	38	42	39
26	42	51	54	57	59	58	47	61	42	37	42	39
27	50	52	54	57	59	85	46	48	42	38	41	38
28	48	52	54	57	59	90	43	46	43	36	40	39
29	45	52	55	57	58	82	40	70	43	36	41	40
30	49	51	57	57	---	86	40	63	43	36	42	40
31	48	---	56	57	---	111	---	46	---	36	56	---
TOTAL	1202	1474	1663	1760	1791	2093	1758	1396	1208	1234	1307	1362
MEAN	38.8	49.1	53.6	56.8	61.8	67.5	58.6	45.0	40.3	39.8	42.2	45.4
MAX	50	54	57	62	106	111	114	70	43	47	63	130
MIN	35	44	49	53	56	54	40	39	36	36	37	38
AC-FT	2380	2920	3300	3490	3550	4150	3490	2770	2400	2450	2590	2700

WTR YR 1992 TOTAL 18248 MEAN 49.9 MAX 130 MIN 35 AC-FT 36190

09405200 DEEP CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°31'18", long 112°53'01", in NE¼NE¼SE¼, sec. 7, T. 38 S, R. 9 W, Kane County, Hydrologic Unit 15010008, on left bank 100 ft downstream from lower Webster Flat road, 14.5 mi southeast of Cedar City.

DRAINAGE AREA.--6.72 mi².

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,680 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and flows in excess of 9.5 ft³/s, which are poor. Some diversion for irrigation above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24 ft³/s Sept. 7, 1990, gage height 8.75 ft; minimum daily discharge, 0.20 ft³/s Sept. 27, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15 ft³/s (estimated) Apr. 8, gage height 8.67 ft; minimum daily discharge, 0.23 ft³/s Oct. 6, 8, 10, 16.

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	.28	1.0	e.82	e1.0	1.5	e1.6	3.7	4.4	3.0	.71	.66	e.90
2	.29	.97	.78	e1.1	1.3	e1.6	4.3	4.1	2.6	.97	.57	e.80
3	.28	1.4	.90	1.1	1.4	e2.4	5.7	3.7	3.6	.66	.53	e.70
4	.25	1.0	1.1	1.2	1.3	e2.3	6.5	3.6	2.4	.74	.54	e.60
5	.24	1.4	1.2	1.1	1.3	e1.6	7.8	3.6	2.0	.58	.48	.58
6	.23	1.6	1.2	1.2	1.3	e1.6	8.7	3.6	2.2	.60	1.1	.46
7	.24	1.5	1.2	1.2	1.2	e1.6	8.9	3.6	2.0	.87	1.1	.43
8	.23	1.3	1.1	e1.2	1.3	e1.6	9.9	4.3	1.9	1.1	.71	.41
9	.24	1.1	.93	e1.2	1.3	e1.6	10	4.8	1.7	1.0	.56	.41
10	.23	1.1	.89	1.2	1.5	e1.6	9.4	3.2	1.8	.81	.62	.39
11	.25	1.0	.99	1.2	1.6	e1.7	9.8	3.0	1.8	.74	.89	.39
12	.26	.89	.92	1.1	1.5	e1.7	9.7	2.8	1.6	.74	1.0	.38
13	.27	.84	.96	e1.1	1.9	e1.7	9.6	2.6	1.1	1.4	.46	.39
14	.32	.93	.99	e1.2	1.6	e1.7	8.7	2.4	.98	1.2	.56	e.70
15	.28	1.1	.99	1.2	1.4	e1.8	7.9	2.3	1.2	.91	.62	e.80
16	.23	1.0	1.1	1.2	1.5	e1.8	7.5	2.1	1.2	.73	.54	e1.1
17	.26	1.7	1.1	1.2	1.5	e1.8	8.1	2.1	1.2	.84	.55	e.70
18	.29	1.1	1.0	1.2	e1.5	e1.8	7.4	1.9	.92	1.0	.64	e1.0
19	.33	1.5	1.2	1.2	e1.4	1.8	5.7	1.8	.97	.70	.50	e1.2
20	.37	2.6	1.1	1.2	e1.3	1.7	5.2	2.2	.89	.61	.42	e1.2
21	.40	1.2	1.1	1.1	e1.4	1.7	5.4	3.2	.80	.58	e.50	e1.1
22	.63	e1.2	1.1	1.2	e1.5	1.5	6.4	2.5	.85	.67	e.80	e.90
23	1.2	e1.2	1.1	1.2	e1.4	1.7	5.9	2.0	.96	.66	e3.8	e.80
24	1.2	e1.1	.98	1.2	e1.4	3.3	5.8	2.6	1.2	.56	e1.4	.51
25	.82	1.0	.99	1.2	e1.5	2.0	5.9	4.0	1.2	.54	e1.5	.58
26	.75	1.0	.97	1.2	e1.5	2.1	5.9	4.4	1.0	.75	e1.9	.58
27	1.9	e.95	.95	1.2	e1.5	2.4	5.8	4.1	.96	.77	e1.4	.45
28	1.3	e.90	.95	1.2	e1.5	2.5	5.6	3.6	.83	.58	e1.8	.58
29	1.5	e.89	.94	1.2	e1.6	2.9	5.2	3.6	.81	.49	e.80	.67
30	1.1	e.85	1.0	1.3	---	3.3	4.8	4.7	.72	.45	e1.8	.64
31	1.7	---	1.0	1.4	---	3.2	---	4.2	---	.52	e2.3	---
TOTAL	17.87	35.32	31.55	36.7	41.9	61.6	211.2	101.0	44.39	23.48	31.05	20.35
MEAN	.58	1.18	1.02	1.18	1.44	1.99	7.04	3.26	1.48	.76	1.00	.68
MAX	1.9	2.6	1.2	1.4	1.9	3.3	10	4.8	3.6	1.4	3.8	1.2
MIN	.23	.84	.78	1.0	1.2	1.5	3.7	1.8	.72	.45	.42	.38
AC-FT	35	70	63	73	83	122	419	200	88	47	62	40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	.96	1.46	1.23	1.14	1.53	2.41	4.22	3.07	1.55	.81	.95	.72
MAX	1.66	2.78	1.75	1.62	1.83	3.83	7.50	6.91	3.29	1.70	2.25	1.22
(WY)	1988	1988	1989	1989	1991	1989	1988	1988	1988	1988	1988	1988
MIN	.51	.80	.57	.69	.84	1.34	1.59	1.54	.64	.37	.30	.46
(WY)	1991	1991	1991	1991	1990	1990	1991	1989	1989	1991	1990	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1988 - 1992	
ANNUAL TOTAL	394.56		656.41			
ANNUAL MEAN	1.08		1.79		1.67	
HIGHEST ANNUAL MEAN					2.96	1988
LOWEST ANNUAL MEAN					1.01	1991
HIGHEST DAILY MEAN	4.0	May 12	10	Apr 9	13	Apr 27 1988
LOWEST DAILY MEAN	.20	Sep 27	.23	Oct 6	.20	Sep 27 1991
ANNUAL SEVEN-DAY MINIMUM	.24	Oct 4	.24	Oct 4	.23	Aug 23 1990
ANNUAL RUNOFF (AC-FT)	783		1300		1210	
10 PERCENT EXCEEDS	1.9		4.1		3.3	
50 PERCENT EXCEEDS	1.0		1.2		1.3	
90 PERCENT EXCEEDS	.30		.50		.42	

e Estimated

09405250 EAST FORK DEEP CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°30'35", long 112°52'58", in NE¼SE¼NE¼ sec. 18, T. 38 S., R. 9 W., Kane County, Hydrologic Unit 15010008, on right bank 400 ft downstream from road, 40 ft downstream from confluence of two streams, 15 mi southeast of Cedar City.

DRAINAGE AREA.--7.82 mi².

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,580 ft (revised) above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and for periods when flow exceeded 15 ft³/s, which are poor. Some diversion for irrigation above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32 ft³/s (estimated) Apr. 26, 1988, gage height 8.21 ft; minimum, no flow July 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31 ft³/s (estimated) Apr. 9, gage height 8.34 ft; minimum daily discharge, 0.62 ft³/s Oct. 3, 4.

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	.66	1.7	e1.4	e1.3	e2.3	e2.5	8.1	5.5	2.9	1.5	1.1	.90
2	.64	2.0	e1.3	e1.3	e2.2	e2.3	8.4	5.0	3.8	1.6	1.2	.87
3	.62	2.1	e1.6	e1.9	e2.2	e2.6	10	4.8	4.2	1.4	1.0	.85
4	.62	2.1	e2.0	e2.0	e2.0	e2.6	11	5.2	3.3	1.3	.97	.78
5	.63	2.5	e2.1	e1.9	e2.0	e2.3	12	5.3	2.8	1.3	.93	.77
6	.65	2.7	e2.1	e2.0	e2.0	e2.2	15	5.7	2.9	1.3	1.2	.77
7	.64	2.9	e2.1	e2.0	e1.8	e2.2	14	5.1	2.6	1.5	1.1	.75
8	.64	2.7	e2.0	e1.8	e1.8	e2.2	16	7.3	2.4	1.7	1.0	.77
9	.65	2.7	e1.8	e1.6	e1.8	e2.2	19	6.1	2.3	1.6	.98	.80
10	.67	2.8	e1.7	e1.8	e2.1	e2.2	18	5.2	2.4	1.5	1.0	.81
11	.68	2.6	e1.8	e1.8	e2.2	e2.3	18	5.1	2.2	1.5	1.1	.90
12	.70	2.6	e1.7	e1.7	e2.0	e2.7	18	4.7	2.1	1.4	1.1	.93
13	.75	2.6	e1.7	e1.5	e2.3	e2.7	17	4.4	2.1	1.8	.95	.97
14	.79	2.8	e1.8	e2.0	e2.1	e2.7	15	4.6	2.1	1.6	.92	.94
15	.84	3.0	e1.8	e2.0	e2.0	e2.8	13	4.6	2.1	1.5	1.0	.97
16	.85	3.0	e1.9	e2.0	e2.2	2.8	12	4.6	1.9	1.4	.91	1.1
17	.80	3.2	e1.9	e1.9	e2.3	3.1	12	4.4	1.9	1.4	.84	.90
18	.81	2.8	e1.8	e1.9	e2.3	e2.7	11	2.8	1.5	1.5	.89	1.3
19	.81	3.0	e2.0	e1.8	e2.2	2.7	9.0	3.4	1.4	1.3	.79	1.0
20	.80	3.1	e1.8	e1.8	e2.0	2.9	8.3	4.1	1.3	1.1	.75	.87
21	.80	2.8	e1.8	e1.8	e2.2	3.1	8.2	4.8	1.3	1.1	.82	.81
22	.85	2.2	e1.8	e1.8	e2.3	3.1	9.6	4.2	1.3	1.0	.81	.78
23	1.9	2.3	e1.8	e1.8	e2.2	3.1	7.9	4.3	1.6	1.1	1.8	.77
24	1.6	2.3	e1.7	e1.8	e2.1	2.8	7.4	4.9	1.8	1.1	.98	.77
25	1.4	2.4	e1.7	e1.8	e2.2	3.8	7.1	5.1	1.9	1.0	1.1	.79
26	1.4	2.1	e1.7	e1.8	e2.4	4.4	7.4	4.2	1.8	1.2	1.0	.85
27	3.4	1.7	e1.7	e1.8	e2.4	5.5	7.3	4.3	1.7	1.2	.92	.89
28	1.9	e1.6	e1.7	e1.9	e2.7	5.8	7.1	4.9	1.7	1.1	.77	.94
29	2.0	e1.5	e1.7	e1.8	e3.0	6.5	7.3	4.5	1.9	1.1	.73	1.0
30	2.1	e1.4	e1.7	e2.0	---	7.9	7.2	4.3	1.8	1.1	1.3	1.1
31	1.9	---	e1.7	e2.2	---	7.6	---	3.5	---	1.1	1.4	---
TOTAL	33.50	73.2	55.3	56.5	63.3	104.3	341.3	146.9	65.0	41.3	31.36	26.65
MEAN	1.08	2.44	1.78	1.82	2.18	3.36	11.4	4.74	2.17	1.33	1.01	.89
MAX	3.4	3.2	2.1	2.2	3.0	7.9	19	7.3	4.2	1.8	1.8	1.3
MIN	.62	1.4	1.3	1.3	1.8	2.2	7.1	2.8	1.3	1.0	.73	.75
AC-FT	66	145	110	112	126	207	677	291	129	82	62	53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1992, BY WATER YEAR (WY)

MEAN	1.68	3.14	2.33	2.19	2.57	3.63	7.46	5.31	2.51	1.17	1.12	1.02
MAX	2.87	6.59	3.86	3.45	3.95	5.30	13.6	12.0	5.22	2.27	2.55	2.03
(WY)	1988	1988	1988	1988	1988	1989	1988	1988	1988	1988	1988	1988
MIN	.97	1.65	1.63	1.41	1.76	2.08	3.57	1.91	1.16	.49	.35	.50
(WY)	1991	1991	1991	1991	1990	1990	1990	1990	1990	1990	1990	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1992	
ANNUAL TOTAL	761.80		1038.61			
ANNUAL MEAN	2.09		2.84		2.83	
HIGHEST ANNUAL MEAN					5.26	1988
LOWEST ANNUAL MEAN					1.60	1990
HIGHEST DAILY MEAN	7.9	May 31	19	Apr 9	29	Apr 26 1988
LOWEST DAILY MEAN	.55	Jul 20	.62	Oct 3	.14	Jul 7 1989
ANNUAL SEVEN-DAY MINIMUM	.61	Aug 20	.63	Oct 2	.25	Jul 27 1990
ANNUAL RUNOFF (AC-FT)	1510		2060		2050	
10 PERCENT EXCEEDS	3.9		5.7		5.4	
50 PERCENT EXCEEDS	1.8		1.9		2.0	
90 PERCENT EXCEEDS	.68		.82		.67	

e Estimated

09405490 NORTH FORK VIRGIN RIVER ABOVE BIG BEND NEAR SPRINGDALE, UT

LOCATION.--Lat 37°16'43", long 112°56'38", in NW¼NE¼ sec. 3, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, on left bank in Zion National Park, 0.4 mi upstream from Big Bend, 8.0 mi north of Springdale.

DRAINAGE AREA.--311 mi², approximately.

PERIOD OF RECORD.-October 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 4,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for May 29, which is poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,090 ft³/s May 29, gage height, 9.18 ft, from rating curve extended above 272 ft³/s on basis of slope-area measurement of peak flow; minimum daily discharge, 30 ft³/s, Dec. 30.

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	34	44	30	34	41	54	99	311	86	44	44	42
2	34	44	31	33	42	63	93	276	82	46	45	41
3	34	42	36	38	41	96	100	261	94	44	45	42
4	34	44	38	46	42	73	118	250	80	42	45	43
5	34	44	38	48	41	60	138	244	74	42	45	43
6	34	45	38	48	42	57	164	265	71	41	49	42
7	34	44	38	43	43	54	186	246	69	45	67	42
8	34	40	43	37	43	75	204	211	68	48	52	41
9	34	40	40	37	45	53	244	215	67	48	48	41
10	33	40	41	40	49	51	255	174	64	44	56	39
11	33	39	46	40	56	54	273	149	62	45	81	39
12	34	38	42	41	49	55	297	138	60	46	55	40
13	34	39	39	36	74	58	317	125	59	52	46	40
14	34	40	38	35	53	61	293	114	59	55	48	39
15	34	45	37	39	47	60	269	106	59	46	54	40
16	35	43	37	38	52	61	264	99	57	44	51	43
17	34	41	40	39	47	59	310	94	54	43	47	40
18	34	46	46	41	41	53	297	87	51	45	45	42
19	35	41	49	39	45	52	195	85	50	42	45	45
20	36	39	43	37	46	52	174	89	49	40	43	42
21	36	43	43	39	47	58	192	97	47	40	43	40
22	37	41	44	40	51	67	242	95	46	40	46	40
23	39	32	42	39	51	84	243	89	48	40	182	37
24	52	39	42	40	46	61	253	105	50	40	63	38
25	41	43	38	40	49	65	280	98	51	40	47	37
26	40	42	36	41	49	61	304	99	50	42	46	37
27	67	41	38	40	49	108	322	105	49	45	42	37
28	45	41	41	40	51	92	325	90	46	43	42	36
29	42	35	45	40	53	90	329	190	46	42	41	36
30	43	35	47	39	---	104	329	106	46	42	41	37
31	39	---	43	40	---	103	---	97	---	43	63	---
TOTAL	1163	1230	1249	1227	1385	2094	7109	4710	1794	1359	1667	1201
MEAN	37.5	41.0	40.3	39.6	47.8	67.5	237	152	59.8	43.8	53.8	40.0
MAX	67	46	49	48	74	108	329	311	94	55	182	45
MIN	33	32	30	33	41	51	93	85	46	40	41	36
AC-FT	2310	2440	2480	2430	2750	4150	14100	9340	3560	2700	3310	2380

WTR YR 1992 TOTAL 26188 MEAN 71.6 MAX 329 MIN 30 AC-FT 51940

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°12'35", long 112°58'40", in NW¼SW¼NW¼ sec. 22, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, on right bank in Zion National Park, 0.2 mi downstream from point of diversion of Springdale Canal, 0.5 mi downstream from Pine Creek, and 1.9 mi northeast of Springdale.

DRAINAGE AREA.--344 mi².

PERIOD OF RECORD.--May 1913 to June 1914, June to November 1923, April to June, August and September 1925 (fragmentary), October 1925 to current year. Published as Zion Creek near Springdale 1913-14 (flow of Springdale Canal not included) and as Mukuntuweap River near Springdale 1923, 1925-32. Flow of Springdale canal not included after September 30, 1988.

GAGE.--Water-stage recorder. Elevation of gage is 3,970 ft above NGVD of 1929, from topographic map. May 13, 1913 to June 30, 1914, nonrecording gage at site 3.2 mi downstream at different datum. June 6, 1923 to Dec. 14, 1949, nonrecording gages at several sites within 0.8 mi of present site at various datums.

REMARKS.--Records good except for estimated daily discharges and for period Mar.10-20, which are poor. Approximately 3,200 acre-feet of flow is diverted into Springdale Canal and another diversion for irrigation of about 1,400 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,150 ft³/s Dec. 6, 1966, gage height, 12.98 ft, from rating curve extended above 2,000 ft³/s on basis of drift measurement at gage height 6.7 ft, and a slope-area measurement at gage height 10.25 ft; minimum observed, 20 ft³/s July 31, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,520 ft³/s May 29, gage height, 6.70 ft, from rating curve extended as explained above; minimum daily discharge, 26 ft³/s Oct. 4-7.

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	30	44	28	36	46	60	140	293	e100	47	39	47
2	28	42	28	33	46	89	111	263	83	48	39	43
3	28	40	36	38	47	184	111	255	93	48	38	43
4	26	40	38	47	48	124	131	243	82	45	38	43
5	26	41	40	51	47	75	146	234	74	46	37	43
6	26	42	39	53	47	69	172	240	69	43	38	42
7	26	42	38	47	47	67	193	232	68	53	63	43
8	28	42	44	42	47	128	209	200	66	54	50	40
9	27	41	42	39	51	74	242	206	68	55	50	38
10	28	41	41	41	57	72	263	176	63	54	50	37
11	27	41	47	43	81	72	264	151	62	55	80	37
12	27	39	44	42	58	72	298	139	61	71	62	37
13	29	40	39	38	133	72	317	129	61	58	45	38
14	28	40	37	35	81	71	303	121	63	64	42	37
15	29	46	36	39	58	68	281	112	64	49	55	64
16	28	46	37	40	71	68	267	106	63	46	49	47
17	28	42	39	39	69	66	301	100	59	45	41	43
18	30	56	46	41	50	63	324	93	55	46	38	45
19	28	43	50	40	54	59	228	88	54	45	37	50
20	29	40	43	37	55	61	195	91	55	44	37	46
21	28	44	42	38	54	72	214	100	53	41	35	41
22	31	43	43	40	59	92	257	102	53	39	39	39
23	33	32	41	39	58	130	255	99	50	40	203	37
24	60	37	42	41	50	78	249	123	56	40	78	37
25	40	45	38	44	55	82	270	108	56	40	54	37
26	36	44	38	43	54	74	287	e120	53	42	55	36
27	86	43	36	43	54	166	306	e145	53	45	46	37
28	46	42	40	42	56	146	310	e160	50	42	43	36
29	41	34	44	42	59	120	311	e200	48	39	40	36
30	42	33	49	43	---	134	308	e185	47	39	38	36
31	36	---	45	45	---	143	---	e145	---	40	76	---
TOTAL	1035	1245	1250	1281	1692	2851	7263	4959	1882	1463	1635	1235
MEAN	33.4	41.5	40.3	41.3	58.3	92.0	242	160	62.7	47.2	52.7	41.2
MAX	86	56	50	53	133	184	324	293	100	71	203	64
MIN	26	32	28	33	46	59	111	88	47	39	35	36
AC-FT	2050	2470	2480	2540	3360	5650	14410	9840	3730	2900	3240	2450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1992, BY WATER YEAR (WY)

MEAN	54.7	56.2	55.8	62.2	81.5	99.6	234	341	134	66.2	63.4	57.2
MAX	89.1	94.8	119	196	501	191	636	1081	690	137	130	151
(WY)	1984	1988	1972	1980	1980	1983	1969	1983	1983	1983	1983	1980
MIN	33.2	35.9	36.6	39.0	42.3	43.8	51.8	49.8	36.5	35.1	33.3	24.8
(WY)	1978	1990	1990	1991	1977	1977	1977	1977	1990	1972	1976	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1969 - 1992	
ANNUAL TOTAL	21135		27791			
ANNUAL MEAN	57.9		75.9		109	
HIGHEST ANNUAL MEAN					250	1983
LOWEST ANNUAL MEAN					41.8	1977
HIGHEST DAILY MEAN	239	May 9	324	Apr 18	3000	Feb 14 1980
LOWEST DAILY MEAN	25	Sep 4	26	Oct 4	23	Jul 27 1977
ANNUAL SEVEN-DAY MINIMUM	27	Oct 3	27	Oct 3	24	Jul 24 1977
ANNUAL RUNOFF (AC-FT)	41920		55120		78910	
10 PERCENT EXCEEDS	116		184		202	
50 PERCENT EXCEEDS	43		47		59	
90 PERCENT EXCEEDS	29		36		38	

e Estimated

09405900 NORTH CREEK NEAR VIRGIN, UT

LOCATION.--Lat 37°14'14", long 113°09'01", in SE¼SW¼NE¼, sec. 12, T. 41 S., R. 13 W., Washington County, Hydrologic Unit 15010008, on left downstream wingwall of Bonnie Reeder Memorial Bridge, 3.2 mi north of town of Virgin and State Highway 9.

DRAINAGE AREA.--110 mi².

PERIOD OF RECORD.--December 1984 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,680 ft above NGVD of 1929, from topographic map. Prior to February 7, 1992, at site 50 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges and flows below 2.0 ft³/s which are poor. Two diversions for irrigation above station, the nearest approximately 200 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,890 ft³/s Aug. 23, 1992, gage height, 12.50 ft, from contracted-opening measurement; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,890 ft³/s, Aug. 23, gage height, 12.50 ft, from contracted-opening measurement; no flow July 30, Aug. 19, 20.

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	.38	2.2	3.4	3.2	3.4	6.3	45	4.7	e.81	.16	.15	e3.0
2	.27	2.2	3.2	3.5	3.4	9.5	24	4.8	e.77	.09	.12	e1.8
3	.12	3.0	3.2	3.8	3.5	242	16	4.0	e.74	.06	.04	e1.0
4	.17	3.0	3.2	4.0	3.4	180	18	3.1	e.71	.14	.03	e1.0
5	.31	2.5	3.2	4.0	3.5	46	20	2.8	e.68	.23	.27	e1.0
6	.29	2.5	3.1	9.2	3.5	29	21	3.1	e.65	.15	.26	e1.0
7	.36	2.5	3.0	5.6	3.8	28	19	1.9	e.63	.32	.34	e1.0
8	.41	5.3	3.3	4.2	4.2	170	19	1.1	e.60	.54	.27	e1.0
9	.35	4.6	4.9	4.1	4.1	88	20	1.8	e.58	.43	.20	e1.0
10	.11	3.2	7.1	4.4	5.2	49	20	2.1	e.55	.07	.13	e1.0
11	.23	3.2	6.5	5.2	33	30	21	1.9	e.52	.27	.05	.96
12	.45	3.2	4.4	4.1	24	21	35	1.8	e.50	2.8	.04	1.0
13	.37	3.2	4.1	3.3	99	15	76	1.5	e.48	4.1	.02	.97
14	.51	4.9	3.6	3.3	58	15	49	.94	e.46	1.2	.06	.64
15	.34	6.9	3.5	3.4	25	13	38	.76	e.44	.31	.19	.71
16	.27	6.5	3.6	3.2	45	12	34	1.5	e.42	.06	.09	1.0
17	.04	3.9	4.3	3.3	25	9.9	34	1.4	e.40	.03	.13	1.1
18	.28	12	4.1	3.5	24	6.4	41	1.0	e.39	.05	.08	1.2
19	.67	4.7	4.7	3.1	18	3.6	17	.92	.38	.04	.00	2.3
20	.76	3.1	3.8	3.3	18	5.0	14	1.4	.40	.05	.00	1.7
21	.84	2.5	3.2	3.3	17	11	17	1.8	.51	.03	.03	.93
22	1.2	3.3	3.2	3.2	21	46	26	1.6	.73	.03	.33	1.0
23	1.5	2.9	3.1	3.2	24	109	35	1.1	.33	.03	e130	1.2
24	15	3.8	3.1	3.3	8.9	54	25	22	.90	.03	e4.0	.94
25	2.7	4.1	3.1	3.3	7.2	24	20	4.0	.72	.12	1.8	.30
26	1.2	3.8	3.1	3.6	8.7	15	17	2.3	.15	.26	2.0	.67
27	68	4.3	3.1	3.5	5.9	116	15	e39	.20	.11	.95	.99
28	2.1	4.5	3.1	3.5	6.0	107	12	e10	.17	.04	.36	.79
29	1.8	4.9	3.2	3.4	6.1	65	9.7	e70	.13	.03	.86	1.1
30	2.0	4.3	4.3	3.4	---	39	6.5	e10	.10	.00	4.0	1.2
31	2.0	---	3.7	3.3	---	64	---	e2.0	---	.04	e40	---
TOTAL	105.03	121.0	116.4	118.7	511.8	1628.7	764.2	206.32	15.05	11.82	186.80	33.50
MEAN	3.39	4.03	3.75	3.83	17.6	52.5	25.5	6.66	.50	.38	6.03	1.12
MAX	68	12	7.1	9.2	99	242	76	70	.90	4.1	130	3.0
MIN	.04	2.2	3.0	3.1	3.4	3.6	6.5	.76	.10	.00	.00	.30
AC-FT	208	240	231	235	1020	3230	1520	409	30	23	371	66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	3.57	7.48	4.63	4.67	11.1	22.2	15.9	4.30	.89	1.82	3.27	1.69
MAX	8.85	22.0	9.55	6.51	22.9	52.5	38.5	6.66	2.02	6.32	7.25	5.52
(WY)	1988	1988	1986	1988	1986	1992	1988	1992	1987	1987	1988	1986
MIN	1.38	2.09	3.02	3.27	4.21	4.26	4.84	1.78	.30	.13	.33	.22
(WY)	1989	1989	1991	1991	1991	1990	1990	1986	1989	1991	1991	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	1811.01		3819.32			
ANNUAL MEAN	4.96		10.4		6.76	
HIGHEST ANNUAL MEAN					10.4	1992
LOWEST ANNUAL MEAN					3.00	1990
HIGHEST DAILY MEAN	165	Mar 1	242	Mar 3	242	Mar 3 1992
LOWEST DAILY MEAN	.00	Jun 24	.00	Jul 30	.00	Sep 6 1986
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 24	.04	Jul 17	.00	Jul 12 1988
ANNUAL RUNOFF (AC-FT)	3590		7580		4900	
10 PERCENT EXCEEDS	9.9		25		15	
50 PERCENT EXCEEDS	2.7		3.1		3.0	
90 PERCENT EXCEEDS	.00		.13		.13	

e Estimated

09406000 VIRGIN RIVER AT VIRGIN, UT

LOCATION.--Lat 37°12'15", long 113°10'48", in SW¼NW¼SW¼ sec. 23, T. 41 S., R. 12 W., Washington County, Hydrologic Unit 15010008, on right bank 0.5 mi east of Virgin and .25 mi downstream from North Creek (revised).

DRAINAGE AREA.--956 mi².

PERIOD OF RECORD.--April 1909 to September 1971, October 1978 to current year. Fragmentary prior to 1926, monthly discharge published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1942-43(M), 1947-48(M). WSP 1633: 1921(M), 1950-51. WDR-UT-89-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,500 ft above NGVD of 1929, from topographic map. At present location since July 18, 1985; from Oct. 1, 1978 to July 5, 1985, located 2 mi downstream on left bank, and from Dec. 19, 1949 to September 1971, located directly across from previous site, on right bank at different datum. Prior to Dec. 19, 1949, nonrecording gages at several sites within 3 mi of present site at various datums.

REMARKS.--Records good except for estimated daily discharges and for Mar. 3, 27, May 29, and Aug. 23, which are poor. Several diversions for irrigation of about 2,800 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft³/s Dec. 6, 1966, gage height, 18.00 ft, site and datum then in use, from rating curve extended above 5,000 ft³/s on basis of one slope-area measurement and one float measurement; minimum observed, 22 ft³/s July 10, 1920 and June 11, 1921.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 29	2100	1790	11.19	Aug. 23	0200	a *4,270	*13.72

Minimum daily discharge, 56 ft³/s Oct. 5, 6.

a From rating curve extended above 427 ft³/s on basis of slope-area measurement of peak flow.

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	59	108	102	112	117	128	334	336	139	e76	66	87
2	60	108	101	103	117	134	222	301	122	e76	68	76
3	60	103	108	110	116	654	207	285	134	e75	67	74
4	57	105	114	124	116	420	218	271	124	e74	69	71
5	56	107	114	125	115	187	239	268	110	e74	67	70
6	56	106	111	142	115	160	262	270	105	e73	90	68
7	57	109	112	128	118	160	286	274	102	e73	98	69
8	59	108	115	118	119	373	292	228	99	e72	86	67
9	61	107	116	114	119	226	325	235	96	e72	81	65
10	63	106	115	113	126	170	364	204	93	e71	75	63
11	63	107	121	120	197	153	350	176	90	e71	90	65
12	62	104	119	118	160	148	406	166	85	e70	114	66
13	65	105	113	110	357	149	500	158	84	e123	77	66
14	65	106	108	106	235	150	433	154	87	e69	69	64
15	65	119	105	111	158	148	374	148	90	e68	74	72
16	65	124	108	115	210	149	338	140	89	e68	82	110
17	62	116	110	112	163	148	372	133	84	e67	69	76
18	63	134	115	116	144	137	442	125	e84	e67	65	76
19	67	119	124	113	131	134	290	123	e83	e66	60	155
20	69	112	117	110	135	137	251	125	e83	e66	61	92
21	71	116	113	111	133	148	265	135	e82	e65	61	74
22	75	113	115	112	139	190	305	145	e82	e64	66	69
23	78	105	113	112	143	308	327	127	e81	64	488	66
24	114	103	113	113	125	240	299	183	e81	63	138	68
25	95	114	111	114	124	166	314	163	e80	63	100	64
26	86	115	110	116	126	155	335	177	e80	67	87	64
27	200	115	107	115	123	346	358	196	e79	70	74	67
28	121	114	110	113	124	364	352	226	e78	68	70	68
29	105	111	113	114	126	344	355	288	e78	64	66	66
30	110	104	126	115	---	267	342	264	e77	62	70	65
31	102	---	119	114	---	336	---	163	---	64	133	---
TOTAL	2391	3323	3498	3569	4231	6929	9757	6187	2781	2185	2881	2223
MEAN	77.1	111	113	115	146	224	325	200	92.7	70.5	92.9	74.1
MAX	200	134	126	142	357	654	500	336	139	123	488	155
MIN	56	103	101	103	115	128	207	123	77	62	60	63
AC-FT	4740	6590	6940	7080	8390	13740	19350	12270	5520	4330	5710	4410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-71, 1979-92, BY WATER YEAR (WY)

MEAN	131	147	159	161	188	248	392	428	155	123	140	140
MAX	528	606	648	791	833	822	978	1582	762	484	441	504
(WY)	1923	1923	1967	1911	1980	1910	1969	1979	1983	1911	1916	1911
MIN	61.3	82.9	77.4	70.9	90.9	91.7	121	87.5	58.1	30.4	43.5	53.1
(WY)	1929	1926	1932	1932	1926	1924	1970	1959	1961	1928	1928	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1910-71, 1979-92	
ANNUAL TOTAL	40275.5		49955			
ANNUAL MEAN	110		136		201	
HIGHEST ANNUAL MEAN					465	1922
LOWEST ANNUAL MEAN					95.7	1990
HIGHEST DAILY MEAN	539	Mar 1	654	Mar 3	10600	Sep 30 1911
LOWEST DAILY MEAN	49	Aug 30	56	Oct 5	22	Jul 10 1920
ANNUAL SEVEN-DAY MINIMUM	54	Aug 29	58	Oct 1	23	Jun 8 1921
ANNUAL RUNOFF (AC-FT)	79890		99090		145600	
10 PERCENT EXCEEDS	171		285		382	
50 PERCENT EXCEEDS	110		112		130	
90 PERCENT EXCEEDS	61		65		71	

e Estimated

09408000 LEEDS CREEK NEAR LEEDS, UT

LOCATION.--Lat 37°16'03", long 113°22'12", in SW¼SE¼NE¼ sec. 36, T. 40 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 1,150 ft upstream from Leeds Ditch diversion, 2.1 mi north of Leeds, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi².

PERIOD OF RECORD.--October 1915 to June 1920 (fragmentary) in reports of Geological Survey; October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,000 ft above NGVD of 1929, from topographic map. Prior to June 1920, at various sites and datums about 600 ft downstream; Oct. 28, 1964 to Aug. 20, 1967, water-stage recorder at site 1,000 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges and when flow exceeds 30 ft³/s, which are poor. One diversion above station for domestic use.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft³/s Aug. 3, 1988, gage height, 9.41 ft; minimum daily discharge, 1.1 ft³/s Sept. 17, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1964, reached a stage of 6.00 ft, former site and datum, discharge 2,980 ft³/s from slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 3	0200	*83	*3.36	No other peak greater than base discharge.			

Minimum daily discharge, 2.4 ft³/s Dec. 8.

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	3.5	2.9	2.7	2.7	3.2	6.3	12	14	e16	13	6.4	4.9
2	3.5	3.0	2.7	2.7	3.3	9.2	11	14	e16	12	6.4	4.9
3	3.4	3.1	2.7	2.8	3.3	39	11	13	e16	12	6.2	5.2
4	3.3	3.2	2.6	2.9	3.3	19	12	13	e16	11	6.1	5.2
5	3.3	3.2	2.6	2.9	3.3	12	13	14	e16	11	6.0	5.2
6	3.2	3.2	2.6	3.4	3.3	9.5	13	14	e16	11	6.6	5.1
7	3.2	3.1	2.5	2.9	3.4	9.9	13	14	e16	11	6.1	5.1
8	3.2	3.0	2.4	3.0	3.5	12	13	14	e17	11	5.8	5.0
9	3.2	3.1	2.6	3.0	3.5	13	13	14	e17	10	5.8	4.9
10	3.2	3.2	2.6	3.0	3.9	12	13	14	e17	9.9	5.8	4.9
11	3.2	3.1	2.7	3.0	5.0	10	14	14	e17	9.7	5.8	4.8
12	3.0	3.0	2.6	3.0	5.2	9.5	14	14	e17	10	5.6	4.8
13	3.0	3.2	2.6	e2.7	13	10	14	14	e17	9.8	5.4	4.8
14	3.0	3.1	2.6	e2.7	6.3	11	14	15	e17	9.0	5.7	4.8
15	2.9	3.0	2.6	3.1	5.0	11	14	e15	e17	8.7	5.9	4.8
16	2.9	2.9	2.6	3.1	5.5	11	14	e15	e17	8.5	5.7	4.8
17	2.8	2.9	2.6	3.2	4.6	10	14	e15	e17	8.3	5.3	4.7
18	2.7	2.9	2.6	3.0	4.6	9.8	14	e15	e17	8.1	5.2	5.2
19	2.7	2.9	2.6	3.1	4.9	9.2	14	e15	17	7.9	5.1	5.0
20	2.7	3.0	2.6	3.2	4.9	8.8	13	e15	17	7.7	5.1	4.7
21	2.7	3.0	2.6	3.1	5.6	8.9	13	e15	16	7.5	5.0	4.6
22	2.7	3.1	e2.5	3.1	7.7	9.2	13	e15	16	7.4	5.2	4.5
23	3.2	3.1	2.6	3.1	7.0	11	13	e15	15	7.2	11	4.5
24	2.9	2.9	2.6	3.0	6.0	11	13	e15	15	7.2	5.7	4.4
25	2.8	2.9	2.6	3.2	7.1	9.5	13	e15	14	7.2	5.8	4.4
26	2.7	2.9	2.6	3.2	6.7	8.9	13	e15	14	7.1	5.7	4.4
27	4.0	2.9	2.6	3.2	6.4	22	13	e16	14	6.9	5.3	4.4
28	3.0	2.8	2.6	3.2	6.4	16	14	e16	13	6.6	5.1	4.3
29	3.0	2.8	2.8	3.2	6.4	12	14	e16	13	6.5	5.0	4.2
30	3.0	2.8	3.0	3.2	---	12	14	e16	13	6.4	5.1	4.2
31	2.9	---	2.7	3.2	---	13	---	e16	---	6.4	5.2	---
TOTAL	94.8	90.2	81.3	94.1	152.3	375.7	396	455	476	276.0	180.1	142.7
MEAN	3.06	3.01	2.62	3.04	5.25	12.1	13.2	14.7	15.9	8.90	5.81	4.76
MAX	4.0	3.2	3.0	3.4	13	39	14	16	17	13	11	5.2
MIN	2.7	2.8	2.4	2.7	3.2	6.3	11	13	13	6.4	5.0	4.2
AC-FT	188	179	161	187	302	745	785	902	944	547	357	283

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	3.87	4.02	4.75	4.31	6.38	8.70	9.09	10.4	13.2	10.4	7.12	4.59
MAX	9.16	10.7	26.6	11.9	52.0	36.3	33.1	28.7	38.1	34.3	21.6	12.5
(WY)	1984	1988	1967	1969	1980	1983	1969	1969	1973	1983	1988	1983
MIN	2.05	1.85	2.01	2.18	2.32	2.46	2.00	2.30	2.15	1.51	1.62	1.73
(WY)	1971	1978	1978	1991	1991	1977	1977	1977	1977	1977	1977	1972

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	1726.7		2814.2			
ANNUAL MEAN	4.73		7.69		7.23	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.20	1977
HIGHEST DAILY MEAN	10	Jun 20	39	Mar 3	412	Dec 6 1966
LOWEST DAILY MEAN	1.5	Jan 1	2.4	Dec 8	1.1	Sep 17 1972
ANNUAL SEVEN-DAY MINIMUM	2.0	Jan 1	2.6	Dec 4	1.3	Jul 10 1977
ANNUAL RUNOFF (AC-FT)	3420		5580		5240	
10 PERCENT EXCEEDS	8.3		15		15	
50 PERCENT EXCEEDS	3.8		5.6		4.5	
90 PERCENT EXCEEDS	2.3		2.7		2.4	

e Estimated

09408135 VIRGIN RIVER ABOVE QUAIL CREEK NEAR HURRICANE, UT

LOCATION.--Lat 37°10'45", long 113°22'27", in NW¼SW¼NE¼ sec. 36, T. 41 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 2.2 mi upstream from Highway 9 bridge, 0.5 mi upstream from Quail Creek, and 3.8 mi west of Hurricane.

DRAINAGE AREA.--1,381 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1989 to September 1990, April to September 1992.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,800 ft above NGVD of 1929, from topographic map. From Feb. 15, 1989 to Sept. 30, 1990 at site about 1 mi upstream at different datum, this published gage location paragraph contains several errors.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,840 ft³/s Aug. 23, 1992, gage height, 9.06 ft, from slope-area measurement; mimimum daily discharge, 20 ft³/s July 25-27, 1990.

EXTREMES FOR CURRENT YEAR RECORD.--Maximum discharge, 3,840 ft³/s Aug. 23, gage height, 9.06 ft, from slope-area measurement; mimimum daily discharge, 31 ft³/s, July 31.

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	---	---	---	---	---	---	---	237	72	54	33	87
2	---	---	---	---	---	---	---	209	59	51	52	67
3	---	---	---	---	---	---	---	191	62	56	50	69
4	---	---	---	---	---	---	---	181	75	47	39	65
5	---	---	---	---	---	---	---	200	60	50	43	64
6	---	---	---	---	---	---	---	180	56	54	45	77
7	---	---	---	---	---	---	---	e200	46	56	86	76
8	---	---	---	---	---	---	---	140	46	61	78	67
9	---	---	---	---	---	---	295	138	51	59	74	66
10	---	---	---	---	---	---	299	112	53	64	65	43
11	---	---	---	---	---	---	287	80	53	73	67	51
12	---	---	---	---	---	---	320	78	55	59	102	67
13	---	---	---	---	---	---	e370	68	55	111	76	79
14	---	---	---	---	---	---	e390	62	55	123	62	78
15	---	---	---	---	---	---	378	55	55	72	56	67
16	---	---	---	---	---	---	311	50	55	70	67	115
17	---	---	---	---	---	---	256	46	54	64	57	68
18	---	---	---	---	---	---	e330	50	55	59	48	63
19	---	---	---	---	---	---	206	49	58	59	48	141
20	---	---	---	---	---	---	152	51	56	55	52	128
21	---	---	---	---	---	---	150	65	54	50	55	109
22	---	---	---	---	---	---	184	74	57	38	55	67
23	---	---	---	---	---	---	211	56	61	42	e750	66
24	---	---	---	---	---	---	185	98	60	42	e200	68
25	---	---	---	---	---	---	192	99	71	47	e120	54
26	---	---	---	---	---	---	216	97	70	48	89	60
27	---	---	---	---	---	---	244	105	61	52	57	69
28	---	---	---	---	---	---	246	208	62	51	48	80
29	---	---	---	---	---	---	254	119	58	44	42	71
30	---	---	---	---	---	---	243	385	57	37	48	54
31	---	---	---	---	---	---	---	e130	---	31	141	---
TOTAL	---	---	---	---	---	---	---	3813	1742	1779	2805	2236
MEAN	---	---	---	---	---	---	---	123	58.1	57.4	90.5	74.5
MAX	---	---	---	---	---	---	---	385	75	123	750	141
MIN	---	---	---	---	---	---	---	46	46	31	33	43
AC-FT	---	---	---	---	---	---	---	7560	3460	3530	5560	4440

e Estimated.

09408135 VIRGIN RIVER ABOVE QUAIL CREEK NEAR HURRICANE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April to September 1992.

REMARKS.--Records good except for May, which are fair.

INSTRUMENTATION.--Data-collection platform and thermistor.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 34.7°C, Aug. 2; minimum recorded, 11.8°C, Apr. 16, 19, 20.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	21.6	15.0	17.9
2	---	---	---	---	---	---	---	---	---	22.2	14.9	18.1
3	---	---	---	---	---	---	---	---	---	23.0	15.6	18.9
4	---	---	---	---	---	---	---	---	---	23.3	17.3	19.6
5	---	---	---	---	---	---	---	---	---	22.0	17.8	19.4
6	---	---	---	---	---	---	---	---	---	21.4	18.1	19.4
7	---	---	---	---	---	---	---	---	---	24.0	17.1	20.3
8	---	---	---	---	---	---	---	---	---	24.9	18.8	21.0
9	---	---	---	---	---	---	---	---	---	24.2	18.6	21.0
10	---	---	---	---	---	---	16.7	13.1	15.2	24.7	16.3	20.0
11	---	---	---	---	---	---	18.0	13.9	16.0	26.7	17.4	21.6
12	---	---	---	---	---	---	17.4	13.0	16.0	28.2	19.6	---
13	---	---	---	---	---	---	16.4	12.4	14.9	27.8	19.4	23.2
14	---	---	---	---	---	---	---	---	---	28.0	18.9	22.9
15	---	---	---	---	---	---	16.7	12.6	14.8	28.0	18.4	---
16	---	---	---	---	---	---	16.7	11.8	14.6	28.8	17.7	22.7
17	---	---	---	---	---	---	16.2	14.0	15.2	28.4	18.7	---
18	---	---	---	---	---	---	---	---	---	28.0	18.2	---
19	---	---	---	---	---	---	15.7	11.8	13.7	22.3	18.7	20.5
20	---	---	---	---	---	---	19.4	11.8	15.0	23.2	17.7	19.7
21	---	---	---	---	---	---	18.3	12.3	15.1	22.3	17.0	18.8
22	---	---	---	---	---	---	18.3	13.3	15.5	24.2	16.5	19.8
23	---	---	---	---	---	---	18.7	12.9	15.6	27.2	17.6	21.6
24	---	---	---	---	---	---	20.3	13.1	16.1	25.2	19.6	21.6
25	---	---	---	---	---	---	20.6	14.4	17.0	25.6	19.5	22.0
26	---	---	---	---	---	---	21.4	14.9	17.7	25.6	19.4	21.9
27	---	---	---	---	---	---	21.8	15.1	18.1	27.6	19.4	22.9
28	---	---	---	---	---	---	21.6	15.0	18.0	20.4	17.2	19.0
29	---	---	---	---	---	---	20.5	15.0	17.8	24.8	18.5	21.1
30	---	---	---	---	---	---	21.2	14.9	17.8	21.8	12.0	17.7
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	29.1	20.1	23.7	28.1	17.7	22.2	30.3	22.3	26.0	27.7	19.4	23.0
2	---	---	---	30.2	16.6	22.9	34.7	22.0	27.5	27.6	19.7	22.8
3	30.1	19.5	24.1	30.6	18.3	23.9	33.3	22.3	27.0	25.9	20.0	22.7
4	29.8	19.7	24.0	30.6	19.4	24.5	29.7	23.7	26.5	26.1	19.8	22.7
5	29.3	20.2	24.0	31.5	19.8	24.9	30.0	23.1	26.2	27.5	19.2	23.0
6	---	---	---	30.8	20.3	24.9	31.2	23.5	26.5	27.5	19.7	23.0
7	30.5	17.7	23.1	24.3	21.7	22.8	31.4	23.6	26.9	28.4	18.6	22.8
8	28.6	18.1	22.9	24.5	21.2	22.8	31.5	22.7	26.6	27.9	19.5	23.2
9	29.4	19.5	23.9	30.2	19.8	24.5	31.7	22.0	26.4	28.0	19.2	23.4
10	30.6	19.3	24.5	30.6	20.8	24.6	31.8	23.2	26.6	28.8	18.5	23.1
11	30.3	19.3	24.1	30.8	21.8	25.3	32.9	23.1	26.4	27.7	19.0	23.0
12	27.7	18.5	22.3	28.9	21.5	24.3	31.5	22.1	26.3	27.3	19.1	22.6
13	27.1	15.9	20.6	30.3	21.4	24.9	32.2	23.1	27.2	28.0	19.5	23.0
14	23.4	17.4	19.8	30.0	21.3	25.5	31.6	24.0	27.0	27.3	19.1	22.7
15	27.7	15.2	20.4	27.2	21.9	24.5	31.0	22.5	26.7	28.2	20.1	23.4
16	26.4	17.0	21.0	28.3	22.3	25.2	31.4	22.9	25.9	27.5	20.7	23.4
17	28.1	17.5	22.4	28.4	23.0	25.6	30.7	21.6	26.0	27.0	20.1	23.0
18	30.2	18.3	23.4	28.8	22.4	25.4	31.2	22.0	26.0	25.0	20.8	22.4
19	30.7	18.9	24.1	29.2	21.7	25.6	30.4	21.3	25.8	23.8	19.1	20.9
20	30.9	18.9	24.3	28.6	22.1	25.3	30.1	21.0	25.4	24.1	18.6	20.8
21	31.3	19.7	24.7	29.5	21.4	25.5	29.0	21.0	24.3	26.2	18.6	21.6
22	30.3	20.3	24.7	26.2	22.8	24.5	28.6	21.1	23.9	27.9	18.6	22.5
23	30.0	20.4	24.3	31.0	22.1	25.7	21.6	14.7	16.7	28.2	19.4	23.3
24	29.2	20.1	24.0	31.1	21.3	24.9	19.8	18.2	18.9	26.8	20.6	23.0
25	28.7	19.9	23.6	32.5	21.0	25.5	26.5	19.8	21.1	23.4	14.6	18.2
26	28.7	18.8	23.4	33.5	21.6	26.5	27.4	18.1	22.2	25.1	13.4	18.5
27	30.7	19.4	24.2	33.1	21.5	26.1	27.4	18.2	22.4	25.4	15.9	19.9
28	31.3	19.4	24.5	33.0	21.9	26.4	26.6	18.7	22.7	25.7	16.5	20.5
29	27.2	20.0	23.0	31.9	20.9	25.9	26.3	19.7	22.9	26.5	17.3	21.2
30	29.9	18.5	23.2	32.0	21.1	26.4	23.9	20.6	22.2	26.1	17.4	21.3
31	---	---	---	29.3	22.7	25.6	25.5	18.6	21.7	---	---	---
MONTH	---	---	---	33.5	16.6	24.9	34.7	14.7	24.8	28.8	13.4	22.2

09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°09'45", long 113°23'42", in NE¼NE¼SW¼ sec. 2, T. 42 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 400 ft downstream from State Highway 9, 1.9 mi downstream from Quail Creek Dam and 6.2 mi west of Hurricane.

DRAINAGE AREA.--1,499 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1967 to Febuary 1989, October 1990 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 2,760 ft from topographic map. Prior to October 1990 at different datum.

REMARKS.--Records fair except for estimated daily discharges and discharges above 350 ft³/s, which are poor. Beginning in June 1985 flow is diverted from the river into a pipeline (capacity approximately 250 ft³/s), at a point approximately 20 miles upstream, into Quail Creek Reservoir, an offstream site, located about 1.0 mi above the gage, capacity 40,000 acre-feet. Flows also subject to releases from Quail Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 66,000 ft³/s Jan. 1, 1989, result of Quail Creek reservoir dike failure; minimum daily discharge, 23 ft³/s Dec. 11, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1909, 17.34 ft Dec. 6, 1966, from flood-marks; discharge, 20,100 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 3	0700	2,400	15.86	Aug. 23	0500	a *3,900	*18.05

a estimated based on slope-area measurement of upstream site
Minimum daily discharge, 52 ft³/s, Oct. 6.

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	54	67	96	93	95	140	450	362	128	79	78	120
2	70	59	81	92	96	139	293	312	98	81	93	95
3	66	61	74	92	84	935	241	295	101	84	86	97
4	67	63	76	92	86	708	249	286	107	73	73	93
5	58	62	78	92	87	275	314	311	99	83	77	91
6	52	66	83	98	88	190	332	311	95	85	76	98
7	64	66	82	105	88	170	360	331	88	85	113	97
8	70	67	82	105	88	541	372	277	89	87	107	91
9	75	67	81	104	91	362	396	282	94	86	101	89
10	78	68	82	104	93	276	471	254	81	90	94	72
11	72	68	e110	103	165	206	446	219	61	93	90	77
12	68	67	e290	102	179	183	496	215	61	87	116	88
13	69	68	170	103	402	170	559	193	60	116	94	96
14	73	68	149	104	286	174	507	161	60	111	80	94
15	67	70	111	113	187	167	523	145	61	70	71	88
16	66	85	60	103	222	167	473	138	61	78	83	138
17	64	88	66	96	200	163	369	135	61	84	78	99
18	63	92	67	93	179	158	485	129	62	83	74	90
19	69	97	79	93	163	158	306	112	60	83	75	179
20	73	79	95	95	150	181	257	109	58	80	79	167
21	73	73	77	97	142	155	260	119	54	78	82	131
22	75	72	67	97	151	175	298	134	75	80	86	92
23	81	73	70	96	159	327	360	133	85	83	e1060	90
24	123	74	74	94	141	399	345	157	85	84	247	93
25	92	80	74	93	137	241	356	157	95	83	e160	81
26	98	83	74	94	140	180	376	158	90	89	e120	84
27	295	74	84	95	139	315	393	172	84	94	96	91
28	124	82	92	94	141	672	387	311	87	85	84	102
29	78	79	92	95	141	411	396	176	86	e77	77	95
30	76	74	92	95	---	393	382	524	83	e75	81	80
31	73	---	93	96	---	450	---	218	---	75	198	---
TOTAL	2526	2192	2901	3028	4320	9181	11452	6836	2409	2621	4029	2998
MEAN	81.5	73.1	93.6	97.7	149	296	382	221	80.3	84.5	130	99.9
MAX	295	97	290	113	402	935	559	524	128	116	1060	179
MIN	52	59	60	92	84	139	241	109	54	70	71	72
AC-FT	5010	4350	5750	6010	8570	18210	22720	13560	4780	5200	7990	5950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968-88, 1991-92, BY WATER YEAR (WY)

MEAN	119	147	172	210	242	332	422	500	198	116	131	121
MAX	304	280	440	662	1200	1178	1218	1657	869	248	316	268
(WY)	1987	1988	1972	1989	1980	1978	1969	1983	1983	1983	1983	1980
MIN	54.2	56.4	51.4	58.9	59.8	92.8	62.5	72.3	58.6	46.4	71.0	56.8
(WY)	1991	1991	1987	1991	1991	1977	1977	1972	1974	1972	1978	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1968-88, 1991-92	
ANNUAL TOTAL	28797		54493			
ANNUAL MEAN	78.9		149		224	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					72.2	1991
HIGHEST DAILY MEAN	456	Mar 1	1060	Aug 23	13200	Jan 1 1989
LOWEST DAILY MEAN	33	Sep 13	52	Oct 6	23	Dec 11 1986
ANNUAL SEVEN1992DAY MINIMUM	44	Sep 13	60	Jun 15	31	Dec 8 1986
ANNUAL RUNOFF (AC1992FT)	57120		108100		162600	
10 PERCENT EXCEEDS	99		328		410	
50 PERCENT EXCEEDS	73		94		141	
90 PERCENT EXCEEDS	56		68		64	

e Estimated

09408150 VIRGIN RIVER NEAR HURRICANE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April to September 1992.

REMARKS.--Records good.

INSTRUMENTATION.--Data-collection platform and thermistor.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 30.4°C, June 21; minimum recorded, 10.6°C, Apr. 19.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	19.7	14.0	16.5
2	---	---	---	---	---	---	---	---	---	20.0	13.8	16.5
3	---	---	---	---	---	---	---	---	---	20.6	14.2	17.0
4	---	---	---	---	---	---	---	---	---	20.7	15.4	17.4
5	---	---	---	---	---	---	---	---	---	19.1	15.6	17.1
6	---	---	---	---	---	---	---	---	---	18.7	15.7	16.9
7	---	---	---	---	---	---	---	---	---	20.9	15.0	17.6
8	---	---	---	---	---	---	---	---	---	20.3	15.8	17.8
9	---	---	---	---	---	---	---	---	---	20.3	15.7	17.7
10	---	---	---	---	---	---	---	---	---	19.7	13.7	16.5
11	---	---	---	---	---	---	---	---	---	20.5	14.2	17.1
12	---	---	---	---	---	---	---	---	---	21.6	15.4	18.0
13	---	---	---	---	---	---	---	---	---	22.2	15.1	18.4
14	---	---	---	---	---	---	---	---	---	23.2	15.8	19.1
15	---	---	---	---	---	---	16.7	12.1	14.2	23.9	16.2	19.4
16	---	---	---	---	---	---	17.4	11.9	14.6	24.0	15.6	19.4
17	---	---	---	---	---	---	17.6	13.7	15.4	24.3	16.2	20.7
18	---	---	---	---	---	---	16.3	11.6	13.9	25.4	16.7	20.3
19	---	---	---	---	---	---	16.3	10.6	13.1	21.1	16.9	18.8
20	---	---	---	---	---	---	17.2	10.9	13.7	21.9	16.6	18.5
21	---	---	---	---	---	---	17.1	11.8	14.2	21.1	16.2	17.9
22	---	---	---	---	---	---	17.5	12.7	14.8	22.0	15.6	18.5
23	---	---	---	---	---	---	18.0	12.8	15.0	22.6	15.8	19.2
24	---	---	---	---	---	---	18.1	12.2	15.0	22.5	17.6	19.7
25	---	---	---	---	---	---	18.9	13.3	15.9	22.9	18.1	20.2
26	---	---	---	---	---	---	19.5	14.1	16.4	23.5	17.5	20.3
27	---	---	---	---	---	---	20.0	14.4	16.9	24.6	17.0	20.7
28	---	---	---	---	---	---	19.7	14.5	16.9	18.2	16.1	17.3
29	---	---	---	---	---	---	18.8	14.4	16.6	21.7	15.9	18.4
30	---	---	---	---	---	---	19.4	14.1	16.5	18.8	10.8	15.3
31	---	---	---	---	---	---	---	---	---	21.9	13.6	18.1
MONTH	---	---	---	---	---	---	---	---	---	25.4	10.8	18.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.2	16.8	21.1	24.2	15.3	19.2	25.4	16.3	20.2	25.6	17.8	21.2
2	---	---	---	25.9	14.7	19.8	27.4	17.3	21.7	25.4	17.3	20.8
3	27.7	18.5	22.7	26.4	15.8	20.6	26.7	17.6	21.5	22.9	17.9	20.3
4	27.2	19.0	22.6	26.6	16.1	20.9	23.8	18.2	20.8	---	---	---
5	27.1	19.6	22.6	27.4	16.9	21.6	24.4	18.1	20.7	24.1	17.2	20.4
6	---	---	---	27.1	17.3	21.6	24.9	18.0	20.9	24.4	17.5	20.7
7	27.2	17.6	21.6	21.1	18.8	20.0	27.0	19.5	22.7	25.5	16.5	20.6
8	25.7	17.7	21.3	23.0	18.7	20.9	27.2	18.9	22.3	25.2	17.1	20.8
9	26.4	18.4	21.9	28.0	18.8	22.8	26.7	18.3	22.0	24.8	16.8	20.8
10	29.3	17.9	22.9	26.8	18.2	21.8	27.7	18.6	22.2	25.0	16.9	20.5
11	29.0	18.1	22.9	29.0	20.9	23.9	29.4	18.9	22.9	24.7	16.8	20.4
12	26.7	17.1	21.2	26.9	20.6	22.9	29.1	19.4	23.9	24.6	17.0	20.4
13	26.0	14.6	19.5	29.8	20.4	24.3	29.6	20.5	24.3	25.2	17.4	20.9
14	22.5	16.1	18.7	29.7	20.9	24.8	29.5	20.4	24.2	24.7	17.1	20.6
15	27.1	13.8	19.4	30.3	19.4	24.2	29.1	19.4	23.7	25.0	18.1	21.1
16	25.7	15.2	19.9	28.0	19.8	23.3	29.0	19.7	23.8	25.8	18.7	22.0
17	27.6	15.5	21.3	---	---	---	27.5	19.8	23.1	24.7	18.1	21.0
18	29.7	16.4	22.4	28.2	17.7	22.2	27.8	18.6	22.6	22.6	18.8	20.3
19	30.1	16.7	22.8	28.3	19.9	23.4	27.4	18.4	22.3	23.0	17.1	19.7
20	30.1	16.9	23.0	26.7	17.5	21.7	27.4	18.5	22.2	22.9	17.2	19.6
21	30.4	17.4	23.4	26.5	17.4	20.9	24.7	18.6	21.4	24.2	17.1	20.0
22	27.3	17.9	21.9	24.0	16.6	19.6	25.1	18.2	20.9	25.2	16.5	20.4
23	25.8	17.7	20.8	25.2	16.7	20.2	20.8	13.8	17.7	25.5	17.4	21.0
24	25.1	17.1	20.6	25.7	16.5	20.2	23.1	15.5	19.3	24.6	18.4	21.0
25	25.5	17.6	21.0	26.3	17.2	20.8	23.7	17.8	20.1	21.7	14.0	17.1
26	26.2	16.6	20.8	26.9	17.5	21.4	25.0	16.9	20.5	22.4	12.2	16.8
27	26.4	16.8	22.0	26.8	17.5	21.3	24.5	16.7	20.2	22.8	14.2	18.2
28	27.0	16.7	21.0	27.5	17.4	21.6	24.0	16.5	20.1	23.4	14.8	18.7
29	---	---	---	26.8	17.3	21.3	24.8	17.0	20.3	23.8	15.3	19.3
30	25.7	16.0	20.1	25.4	16.9	20.7	21.2	17.8	19.2	24.5	16.7	20.1
31	---	---	---	---	---	---	24.9	17.3	20.6	---	---	---
MONTH	---	---	---	---	---	---	29.6	13.8	21.6	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'18", in NE¼SE¼SE¼ sec. 20 (revised), T. 42 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank, 0.2 mi below diverion, 2.2 mi southeast of Washington, Utah.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1, 1987 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 2,680 ft above NGVD of 1929 (revised), from topographic map.

REMARKS.--Completely regulated canal. Records good except for estimated period, which is poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 ft³/s Oct. 22, 1989; no flow at times most years.

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	60	43	43	42	e42	13	.00	92	77	76	75	87
2	66	43	43	42	e42	.00	.00	96	86	75	85	86
3	65	43	43	e42	e42	5.9	.00	73	87	79	82	86
4	64	43	43	e41	e43	.00	20	63	91	71	74	85
5	59	43	44	e41	43	.00	46	97	89	77	78	85
6	58	43	44	e40	43	.00	42	93	89	78	75	86
7	65	32	44	e40	32	.00	43	89	87	79	88	86
8	68	22	44	e40	37	.00	43	88	87	83	88	86
9	68	43	44	e40	37	.00	44	91	88	82	87	85
10	71	40	44	e40	38	.00	52	93	82	83	86	77
11	67	46	42	e41	39	.00	70	91	65	80	85	77
12	64	52	24	e41	36	.00	83	63	65	80	89	84
13	64	48	19	e41	34	.00	92	60	65	80	72	89
14	66	46	31	e41	27	.00	94	96	64	81	34	91
15	61	46	30	e40	30	.00	92	94	64	70	69	86
16	40	46	30	e40	31	.00	57	93	65	72	78	96
17	60	46	34	e38	27	.00	64	93	64	76	77	92
18	60	43	42	e36	27	.00	99	93	47	74	72	88
19	63	36	48	e34	22	.00	97	92	42	78	72	95
20	61	36	46	e34	17	.00	95	91	60	76	75	98
21	61	36	46	e36	29	.00	95	87	57	75	77	85
22	62	36	46	e40	30	.00	94	90	66	74	77	70
23	63	36	46	e42	29	.00	88	90	74	78	e90	80
24	69	36	46	e42	31	.00	91	79	77	79	42	87
25	64	38	46	e42	35	.00	97	74	85	81	47	81
26	64	43	47	e42	35	.00	100	51	85	81	79	82
27	64	42	47	e42	35	.00	101	.00	80	80	85	86
28	48	43	47	e42	22	.00	101	15	82	82	84	89
29	43	42	47	e42	8.0	.00	96	55	81	74	79	88
30	43	42	47	e42	---	.00	92	84	75	72	78	81
31	43	---	45	e43	---	.00	---	75	---	73	89	---
TOTAL	1874	1234	1292	1249	943.0	18.90	2088.00	2441.00	2226	2399	2368	2574
MEAN	60.5	41.1	41.7	40.3	32.5	.61	69.6	78.7	74.2	77.4	76.4	85.8
MAX	71	52	48	43	43	13	101	97	91	83	90	98
MIN	40	22	19	34	8.0	.00	.00	.00	42	70	34	70
AC-FT	3720	2450	2560	2480	1870	37	4140	4840	4420	4760	4700	5110

CAL YR 1991 TOTAL 20398.00 MEAN 55.9 MAX 87 MIN .00 AC-FT 40460
WTR YR 1992 TOTAL 20706.90 MEAN 56.6 MAX 101 MIN .00 AC-FT 41070

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: December 1987 to current year.
WATER TEMPERATURES: December 1987 to current year.

REMARKS.--Records are fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 5,330 microsiemens, July 19, 1990; minimum, 731 microsiemens, May 16, 1988.
WATER TEMPERATURES: Maximum, 32.7°C, July 15, 1988; minimum, 0.0°C, Dec. 21, 1990.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 3,850 microsiemens, Sept. 24; minimum recorded, 770 microsiemens, Apr. 15.
WATER TEMPERATURES: Maximum recorded, 31.3°C, Aug. 15; minimum recorded, 2.7°C, Jan. 2.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3460	2600	3070	---	---	---	---	---	---	2690	2430	2590
2	3440	2690	3020	---	---	---	---	---	---	2490	2400	2480
3	3030	2910	2980	---	---	---	---	---	---	---	---	---
4	3020	2920	2970	---	---	---	---	---	---	---	---	---
5	3180	2700	2920	---	---	---	---	---	---	---	---	---
6	3600	2960	3200	---	---	---	---	---	---	---	---	---
7	3070	2710	2920	---	---	---	---	---	---	---	---	---
8	2990	2750	2890	---	---	---	---	---	---	---	---	---
9	2970	2720	2880	---	---	---	---	---	---	---	---	---
10	3150	2540	2800	---	---	---	---	---	---	---	---	---
11	2990	1350	2830	---	---	---	---	---	---	---	---	---
12	3030	2940	3000	---	---	---	---	---	---	---	---	---
13	3110	2640	2900	---	---	---	---	---	---	---	---	---
14	3000	2590	2850	2820	2680	2770	---	---	---	---	---	---
15	3810	1780	2920	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	3220	2080	3030	---	---	---	---	---	---	---	---	---
18	3110	3040	3070	---	---	---	---	---	---	---	---	---
19	3190	1970	2870	---	---	---	---	---	---	---	---	---
20	3170	1580	3010	---	---	---	---	---	---	---	---	---
21	3090	1580	2670	---	---	---	---	---	---	---	---	---
22	3060	1980	2980	---	---	---	---	---	---	---	---	---
23	3160	2070	2970	---	---	---	---	---	---	---	---	---
24	3110	2350	2670	---	---	---	---	---	---	---	---	---
25	3220	2380	2690	---	---	---	---	---	---	---	---	---
26	2800	2490	2730	3100	2620	2790	---	---	---	---	---	---
27	2950	1260	2050	3170	2710	3060	---	---	---	---	---	---
28	2870	1660	2220	---	---	---	---	---	---	---	---	---
29	3170	2870	3070	---	---	---	---	---	---	---	---	---
30	---	---	---	3250	3000	3170	---	---	---	---	---	---
31	---	---	---	---	---	---	2660	2360	2600	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	1250	900	1010
2	---	---	---	---	---	---	---	---	---	1270	910	1070
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	1600	1260	1360	2310	1100	1210
6	---	---	---	---	---	---	1380	1190	1280	2490	1230	1630
7	---	---	---	---	---	---	1360	1100	1220	1360	1110	1210
8	---	---	---	---	---	---	1270	1100	1180	1300	1180	1250
9	---	---	---	---	---	---	1240	1010	1130	1370	1160	1260
10	---	---	---	---	---	---	1360	940	1070	1300	1170	1230
11	---	---	---	---	---	---	1340	960	1080	1370	1200	1310
12	---	---	---	---	---	---	1190	880	999	---	---	---
13	---	---	---	---	---	---	1090	810	915	---	---	---
14	---	---	---	---	---	---	1200	810	950	1870	1570	1740
15	1780	1420	1590	---	---	---	1270	770	1020	---	---	---
16	1770	1460	1620	---	---	---	---	---	---	2260	2030	2110
17	1730	1480	1610	---	---	---	---	---	---	2290	2040	2130
18	2260	1500	1700	---	---	---	1380	830	1010	2340	2040	2180
19	---	---	---	---	---	---	1320	1030	1180	2640	2340	2450
20	---	---	---	---	---	---	1720	1240	1340	2510	2270	2440
21	---	---	---	---	---	---	1780	1250	1450	2700	2140	2430
22	---	---	---	---	---	---	1660	1110	1340	2500	1730	2170
23	1730	1370	1620	---	---	---	1390	970	1140	2000	1730	1930
24	1770	1540	1660	---	---	---	1360	1020	1170	2630	1460	1870
25	1720	1490	1590	---	---	---	1380	970	1120	1790	1600	1690
26	1690	1320	1480	---	---	---	1300	910	1070	---	---	---
27	1350	1250	1320	---	---	---	1270	890	1030	---	---	---
28	---	---	---	---	---	---	1250	880	1030	---	---	---
29	---	---	---	---	---	---	1260	880	1020	---	---	---
30	---	---	---	---	---	---	1230	890	1000	---	---	---
31	---	---	---	---	---	---	---	---	---	2220	1270	1500
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2370	1650	1990	3120	2300	2900	3080	2910	3000	---	---	---
2	2480	2130	2370	3310	2380	3050	3050	2530	2710	---	---	---
3	2570	2110	2350	3020	2230	2840	2840	2530	2680	---	---	---
4	2530	1990	2230	3350	2360	3030	3170	2730	2930	---	---	---
5	2390	1940	2320	3440	2970	3090	3110	2850	2970	---	---	---
6	2610	2310	2420	3080	2380	2980	3160	2680	2900	---	---	---
7	2830	2390	2530	3080	2710	2920	3400	2070	2530	---	---	---
8	2660	2350	2460	3000	2710	2880	2460	2100	2310	---	---	---
9	2730	2290	2400	2940	2690	2860	2490	2360	2430	---	---	---
10	2800	2390	2540	2920	2750	2880	2670	2360	2550	---	---	---
11	---	---	---	3150	2410	2780	3090	2440	2720	---	---	---
12	---	---	---	2910	2410	2780	---	---	---	---	---	---
13	---	---	---	3190	1990	2530	---	---	---	---	---	---
14	---	---	---	3090	1650	2530	---	---	---	---	---	---
15	---	---	---	3320	2670	3050	---	---	---	---	---	---
16	---	---	---	3390	2840	3110	---	---	---	---	---	---
17	3380	3140	3230	2960	2840	2890	---	---	---	---	---	---
18	---	---	---	2970	2860	2920	3030	2710	2870	---	---	---
19	---	---	---	2960	2810	2890	2980	2910	2950	---	---	---
20	3470	3220	3320	3550	2740	2910	2930	2800	2860	---	---	---
21	3480	3070	3280	3550	2440	2890	2850	2720	2800	---	---	---
22	3650	2710	3190	3180	2780	3030	2900	2680	2770	---	---	---
23	2810	2600	2740	3090	2760	2890	3000	1350	1700	---	---	---
24	2800	2730	2760	3000	2790	2900	---	---	---	3850	2740	3110
25	2960	2590	2710	2870	2730	2790	---	---	---	---	---	---
26	2690	2520	2600	2830	2710	2800	---	---	---	3530	2980	3230
27	2800	2520	2700	2810	2670	2730	---	---	---	---	---	---
28	2900	2590	2720	2880	2480	2700	---	---	---	2890	2650	2770
29	3080	2700	2910	3020	2740	2950	---	---	---	---	---	---
30	3000	2640	2900	3030	2840	2950	---	---	---	3330	2920	3200
31	---	---	---	3010	2810	2950	---	---	---	---	---	---
MONTH	---	---	---	3550	1650	2880	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	25.7	15.6	19.9	---	---	---	---	---	---	9.9	5.1	7.4
2	25.5	14.5	19.3	---	---	---	---	---	---	7.9	2.7	5.5
3	24.6	13.7	18.5	---	---	---	---	---	---	---	---	---
4	24.0	13.2	17.8	---	---	---	---	---	---	---	---	---
5	23.7	11.3	16.8	---	---	---	---	---	---	---	---	---
6	24.3	12.2	17.5	---	---	---	---	---	---	---	---	---
7	24.0	13.2	18.0	---	---	---	---	---	---	---	---	---
8	24.2	13.6	18.4	---	---	---	---	---	---	---	---	---
9	24.0	15.5	18.7	---	---	---	---	---	---	---	---	---
10	24.0	13.1	17.9	---	---	---	---	---	---	---	---	---
11	25.0	13.9	18.9	---	---	---	---	---	---	---	---	---
12	23.3	15.5	18.8	---	---	---	---	---	---	---	---	---
13	24.2	14.0	18.5	---	---	---	---	---	---	---	---	---
14	23.2	13.1	17.3	12.7	9.6	10.9	---	---	---	---	---	---
15	23.9	12.4	17.3	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	22.8	12.7	17.2	---	---	---	---	---	---	---	---	---
18	22.6	12.7	17.1	---	---	---	---	---	---	---	---	---
19	22.6	12.2	16.4	---	---	---	---	---	---	---	---	---
20	21.0	12.2	15.9	---	---	---	---	---	---	---	---	---
21	21.2	11.5	15.6	---	---	---	---	---	---	---	---	---
22	20.3	12.1	16.0	---	---	---	---	---	---	---	---	---
23	17.7	13.9	16.1	---	---	---	---	---	---	---	---	---
24	20.1	12.3	15.8	---	---	---	---	---	---	---	---	---
25	19.4	12.0	15.1	---	---	---	---	---	---	---	---	---
26	18.0	11.2	14.0	11.7	5.4	8.3	---	---	---	---	---	---
27	13.7	9.6	12.2	13.0	5.4	9.1	---	---	---	---	---	---
28	14.0	7.6	9.9	10.3	5.0	7.7	---	---	---	---	---	---
29	10.4	7.1	8.9	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	11.8	6.0	8.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	20.8	14.3	17.1
2	---	---	---	---	---	---	---	---	---	21.1	14.1	17.3
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	21.0	15.9	17.9
6	---	---	---	---	---	---	---	---	---	19.3	15.9	17.5
7	---	---	---	---	---	---	---	---	---	22.1	15.3	18.4
8	---	---	---	---	---	---	19.1	13.5	16.0	22.1	16.3	18.6
9	---	---	---	---	---	---	18.3	13.8	15.9	21.8	16.1	18.4
10	---	---	---	---	---	---	17.3	13.2	15.2	---	---	---
11	---	---	---	---	---	---	18.8	13.5	15.9	---	---	---
12	---	---	---	---	---	---	18.3	14.0	15.9	---	---	---
13	11.2	8.7	9.5	---	---	---	16.6	13.9	15.2	---	---	---
14	---	---	---	---	---	---	16.5	13.0	14.6	24.9	16.0	19.9
15	10.1	8.1	9.0	---	---	---	17.2	12.9	14.8	25.9	15.8	20.2
16	9.6	8.0	8.7	---	---	---	---	---	---	26.0	15.4	20.4
17	---	---	---	---	---	---	---	---	---	26.6	16.0	20.8
18	---	---	---	---	---	---	16.7	12.5	14.5	26.5	16.5	21.0
19	---	---	---	---	---	---	16.7	11.1	13.8	21.5	16.8	19.2
20	---	---	---	---	---	---	18.6	11.0	14.6	22.2	16.8	18.9
21	---	---	---	---	---	---	18.3	11.8	15.0	21.8	16.2	18.3
22	14.8	10.6	12.1	---	---	---	18.6	13.0	15.4	23.6	16.0	19.3
23	---	---	---	---	---	---	19.0	13.2	15.7	24.9	16.8	20.2
24	13.5	6.7	9.9	---	---	---	19.2	13.0	15.8	23.9	17.9	20.2
25	14.4	8.5	10.9	---	---	---	20.1	13.5	16.5	24.6	18.3	20.9
26	15.0	8.1	11.2	---	---	---	20.5	14.2	17.1	---	---	---
27	---	---	---	---	---	---	20.9	14.7	17.5	---	---	---
28	---	---	---	---	---	---	20.7	14.7	17.5	---	---	---
29	---	---	---	---	---	---	19.8	14.7	17.3	---	---	---
30	---	---	---	---	---	---	20.5	14.5	17.1	19.6	11.7	16.4
31	---	---	---	---	---	---	---	---	---	23.5	14.0	18.7
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.8	17.5	21.9	25.9	16.1	20.7	29.3	17.4	22.7	26.8	18.0	21.9
2	28.6	17.9	22.6	28.1	16.0	21.4	30.1	18.3	23.5	26.7	17.8	21.6
3	29.6	18.8	23.7	28.2	16.5	22.0	29.8	18.8	23.7	24.6	17.8	21.0
4	28.4	19.1	23.5	29.2	17.3	22.7	27.7	19.5	23.1	25.2	18.2	21.2
5	28.5	19.3	23.4	29.5	17.7	23.0	26.8	19.1	22.5	26.7	16.8	21.2
6	27.7	18.5	22.5	28.7	17.9	22.9	27.6	19.8	22.8	26.7	17.4	21.4
7	28.7	17.5	22.4	22.0	19.5	20.8	28.8	20.6	24.1	26.8	16.9	21.3
8	27.5	17.7	22.1	23.8	19.2	21.2	29.5	19.6	24.0	27.1	17.2	21.6
9	28.2	18.6	22.9	29.8	19.1	23.6	29.1	18.9	23.6	26.6	16.9	21.4
10	29.4	18.2	23.4	28.8	19.0	23.2	29.5	19.6	23.9	27.1	16.9	21.5
11	28.9	18.5	23.3	29.8	21.0	24.3	30.9	20.0	24.4	26.0	17.0	21.2
12	26.5	17.3	21.5	27.6	20.6	23.4	30.4	20.0	24.8	26.5	17.2	21.2
13	26.1	15.0	19.9	29.9	20.1	24.5	---	---	---	26.8	18.1	21.7
14	22.8	16.3	19.1	30.2	21.1	25.3	---	---	---	26.2	17.4	21.4
15	---	---	---	30.5	19.7	24.7	31.3	20.7	25.4	26.9	18.1	22.0
16	26.1	15.4	20.3	30.5	20.4	24.9	30.4	20.7	25.2	27.2	18.9	22.7
17	27.9	16.0	21.7	30.6	19.3	24.1	30.2	21.0	25.1	26.0	18.4	21.8
18	---	---	---	30.2	18.4	23.7	30.4	19.8	24.6	23.9	19.1	21.0
19	---	---	---	31.1	19.7	24.8	29.4	19.3	23.9	24.0	17.2	20.4
20	29.9	16.0	23.3	28.6	18.4	23.3	29.4	19.5	23.8	23.6	17.1	20.0
21	31.0	16.5	24.0	29.5	18.0	23.0	26.2	19.6	22.7	25.4	16.8	20.6
22	28.4	18.3	23.4	26.6	17.6	21.7	25.5	19.1	22.1	26.8	16.5	21.2
23	27.5	18.2	22.4	28.6	17.5	22.2	20.9	14.8	18.4	27.2	17.6	21.9
24	27.2	18.0	22.1	28.3	17.6	22.0	---	---	---	25.7	18.8	21.7
25	27.1	18.3	22.2	29.1	18.3	22.9	---	---	---	23.5	15.5	18.5
26	26.6	17.3	21.7	30.4	18.6	23.5	26.0	17.9	21.4	23.6	12.4	17.6
27	29.3	17.8	22.9	29.4	18.4	23.3	26.9	16.1	21.1	24.3	14.1	18.8
28	28.6	17.7	22.7	30.0	18.5	23.6	25.8	16.5	21.1	24.8	16.0	19.6
29	25.8	17.9	21.6	29.7	18.2	23.3	26.4	17.4	21.4	25.1	15.2	19.8
30	27.5	16.7	21.4	29.3	18.2	23.2	22.8	18.0	19.9	25.7	16.4	20.6
31	---	---	---	28.0	18.1	22.1	25.8	18.0	21.3	---	---	---
MONTH	---	---	---	31.1	16.0	23.1	---	---	---	27.2	12.4	20.9

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT

LOCATION.--Lat 37°23'00" long 113°28'57", in NW¼SE¼NE¼ sec. 24, T. 39 S., R. 15 W., Washington County, Hydrologic Unit 15010008, in Dixie National Forest, on right bank 150 ft upstream from highway bridge, 0.6 mi downstream from Pine Valley Reservoir, 1.6 mi southeast of town of Pine Valley, and 2.5 mi upstream from Grass Valley Creek.

DRAINAGE AREA.--18.7 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow slightly regulated by Pine Valley Reservoir. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 776 ft³/s Dec. 6, 1966, gage height, 6.85 ft; minimum daily discharge, 0.51 ft³/s Feb. 15, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 6	2200	*66	*2.43	No other peak greater than base discharge			

Minimum daily discharge, 0.89 ft³/s Dec. 20.

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	2.2	2.1	2.5	e1.1	e3.3	5.6	18	51	28	12	6.0	3.9
2	2.1	2.2	1.9	e1.1	e3.3	6.1	16	45	29	12	5.8	3.8
3	2.1	2.1	1.8	e1.2	e2.9	11	17	43	34	11	5.7	3.7
4	2.0	2.1	1.7	e1.2	e3.0	8.1	19	44	31	11	5.7	3.7
5	2.0	2.1	1.6	e1.2	e3.5	7.0	22	48	28	11	5.5	3.7
6	2.0	2.1	1.6	e1.2	e3.6	7.3	24	57	26	10	5.7	3.6
7	2.0	2.1	1.7	e1.1	e3.8	6.9	25	53	24	11	5.4	3.6
8	2.0	2.1	1.7	e1.1	e3.9	6.6	25	45	23	11	5.2	3.6
9	1.9	2.1	1.6	e1.3	e4.0	5.9	27	46	22	10	5.0	3.5
10	1.9	2.3	1.7	e1.7	e4.3	5.4	28	46	21	10	4.9	3.5
11	1.9	2.1	1.7	e2.4	e4.0	5.7	30	43	20	9.9	4.9	3.4
12	1.8	2.1	1.7	e2.5	e3.9	6.7	33	43	19	10	4.7	3.4
13	1.8	2.0	2.5	e1.9	e3.9	8.2	35	45	18	11	4.5	3.4
14	1.8	2.0	3.6	e1.9	e3.8	9.5	35	42	18	10	4.3	3.3
15	1.8	2.3	1.5	e2.2	e3.8	9.4	32	39	18	9.6	4.5	3.4
16	1.8	2.1	1.1	e2.2	e3.6	9.3	31	37	17	9.2	4.3	3.3
17	1.8	2.2	1.1	e2.6	e3.3	8.8	33	35	16	8.9	4.0	3.3
18	1.8	2.5	1.0	e2.6	e3.2	7.6	36	35	16	8.8	3.9	3.4
19	1.8	2.4	.95	e2.3	e3.2	6.7	27	35	15	8.4	3.7	3.4
20	1.8	2.3	.89	e2.3	e3.4	6.3	22	33	15	8.1	3.6	3.3
21	1.8	2.3	e1.0	e2.4	e3.6	6.5	20	40	15	7.9	3.6	3.2
22	1.8	2.2	e1.1	e2.5	e3.8	6.4	21	36	15	7.8	3.6	3.2
23	1.9	2.8	e1.2	e2.6	e3.6	6.1	22	33	14	7.5	5.6	3.1
24	2.4	2.2	e1.2	e2.6	e3.5	5.9	25	36	14	7.2	4.2	3.0
25	2.0	2.1	e1.1	e3.8	e3.9	6.3	32	34	14	7.1	4.2	3.1
26	1.8	2.0	e1.0	e3.7	e3.8	7.0	38	34	13	7.5	5.0	3.1
27	3.8	1.9	e1.2	e3.7	e4.5	13	47	37	13	7.2	4.0	3.0
28	2.5	1.9	e1.2	e3.8	5.1	15	53	36	12	6.7	3.6	3.0
29	2.2	1.8	e1.2	e3.5	5.5	13	52	34	12	6.5	3.8	3.0
30	2.0	1.9	e1.3	e3.2	---	15	51	30	12	6.3	4.2	3.0
31	1.9	---	e1.2	e3.3	---	17	---	29	---	6.0	4.2	---
TOTAL	62.4	64.4	46.54	70.2	109.0	259.3	896	1244	572	280.6	143.3	100.9
MEAN	2.01	2.15	1.50	2.26	3.76	8.36	29.9	40.1	19.1	9.05	4.62	3.36
MAX	3.8	2.8	3.6	3.8	5.5	17	53	57	34	12	6.0	3.9
MIN	1.8	1.8	.89	1.1	2.9	5.4	16	29	12	6.0	3.6	3.0
AC-FT	124	128	92	139	216	514	1780	2470	1130	557	284	200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1992, BY WATER YEAR (WY)

MEAN	3.51	3.91	3.92	2.77	3.20	5.83	17.3	33.5	24.4	9.83	5.65	3.84
MAX	12.5	21.4	30.3	5.08	7.67	15.2	43.4	122	126	47.9	23.2	12.1
(WY)	1973	1988	1967	1979	1960	1978	1969	1973	1983	1983	1983	1983
MIN	.84	.95	1.02	1.10	.68	1.20	1.66	5.03	2.63	1.21	1.07	1.02
(WY)	1978	1978	1978	1990	1990	1977	1977	1989	1963	1963	1960	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1960 - 1992	
ANNUAL TOTAL	1853.11		3848.64			
ANNUAL MEAN	5.08		10.5		9.82	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					2.30	1977
HIGHEST DAILY MEAN	25	May 26	57	May 6	397	Dec 6 1966
LOWEST DAILY MEAN	.70	Feb 28	.89	Dec 20	.51	Feb 15 1990
ANNUAL SEVEN-DAY MINIMUM	.81	Feb 25	1.0	Dec 16	.55	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	3680		7630		7110	
10 PERCENT EXCEEDS	14		33		23	
50 PERCENT EXCEEDS	2.8		3.9		3.9	
90 PERCENT EXCEEDS	1.2		1.8		1.6	

e Estimated

09408500 SANTA CLARA-PINTO DIVERSION NEAR PINTO, UT
(Transmountain diversion)

LOCATION.--Lat 37°28'04", long 113°28'21", in SW¼SE¼NW¼ sec. 19, T. 38 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank 0.2 mi downstream from outlet of diversion tunnel and 6 mi southeast of Pinto.

PERIOD OF RECORD.--October 1953 to September 1962 (monthly discharge only, October 1953 to September 1960), October 1969 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,820 ft above NGVD of 1929, from topographic map. Prior to September 1962, at site 600 ft upstream at different datum. Prior to October 1990, at same location at datum 3.0 ft higher.

REMARKS.--Records good except for discharges below 1.0 ft³/s, which are poor. Flow at this station is seasonal occurring during the snowmelt period and heavy storm periods. This is a transmountain diversion from a tributary of Santa Clara River in Colorado River Basin to Pinto Creek in Escalante Valley in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 229 ft³/s May 24, 1983, gage height, 5.58 ft present datum; no flow for part of each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67 ft³/s Apr. 7, gage height, 4.97 ft; no flow for extended periods during year.

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	.00	.00	.00	3.1	37	35	13	.00	.00	.00
2	.00	.00	.00	.00	.00	5.7	34	29	13	.00	.00	.00
3	.00	.00	.00	.00	.00	10	33	26	13	.00	.00	.00
4	.00	.00	.00	.00	.00	1.3	39	25	12	.00	.00	.00
5	.00	.00	.00	.00	.00	2.0	44	25	11	.00	.00	.00
6	.00	.00	.00	.00	.00	1.6	49	28	8.3	.00	.00	.00
7	.00	.00	.00	.00	.00	1.0	56	29	6.0	.00	.00	.00
8	.00	.00	.00	.00	.00	.87	51	26	4.5	.00	.00	.00
9	.00	.00	.00	.00	.04	.63	53	25	3.1	.00	.00	.00
10	.00	.00	.00	.00	18	.61	53	24	.73	.00	.00	.00
11	.00	.00	.00	.00	1.9	1.2	49	21	.69	.00	.00	.00
12	.00	.00	.00	.00	.20	3.8	56	18	.48	.00	.00	.00
13	.00	.00	.00	.00	.15	7.1	56	17	.38	.00	.00	.00
14	.00	.00	.00	.00	.12	8.9	52	15	.41	.00	.00	.00
15	.00	.00	.00	.00	.09	13	45	15	.32	.00	.00	.00
16	.00	.00	.00	.00	.08	13	36	15	.25	.00	.00	.00
17	.00	.00	.00	.00	.07	11	38	15	.19	.00	.00	.00
18	.00	.00	.00	.00	.06	7.4	42	14	.10	.00	.00	.00
19	.00	.00	.00	.00	.06	5.4	26	14	.03	.00	.00	.00
20	.00	.00	.00	.00	.04	5.3	22	14	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	6.3	20	17	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	5.6	22	15	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	6.0	22	14	.00	.00	.00	.00
24	.00	.00	.00	.00	.03	5.0	24	14	.00	.00	.00	.00
25	.00	.00	.00	.00	.04	4.7	26	14	.00	.00	.00	.00
26	.00	.00	.00	.00	.03	5.3	29	14	.00	.00	.00	.00
27	.00	.00	.00	.00	6.9	12	36	15	.00	.00	.00	.00
28	.00	.00	.00	.00	.79	17	39	15	.00	.00	.00	.00
29	.00	.00	.00	.00	2.8	17	41	15	.00	.00	.00	.00
30	.00	.00	.00	.00	---	21	37	14	.00	.00	.00	.00
31	.00	---	.00	.00	---	26	---	14	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	31.40	228.81	1167	591	87.48	0.00	0.00	0.00
MEAN	.000	.000	.000	.000	1.08	7.38	38.9	19.1	2.92	.000	.000	.000
MAX	.00	.00	.00	.00	18	26	56	35	13	.00	.00	.00
MIN	.00	.00	.00	.00	.00	.61	20	14	.00	.00	.00	.00
AC-FT	.00	.00	.00	.00	62	454	2310	1170	174	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961-62, 1970-92, BY WATER YEAR (WY)

MEAN	.63	1.19	.23	.11	.40	3.16	16.9	19.2	6.80	.22	.43	.003
MAX	14.4	13.5	2.13	1.54	2.12	14.0	59.9	73.4	42.6	1.95	7.97	.074
(WY)	1973	1973	1972	1984	1984	1983	1978	1983	1983	1983	1984	1983
MIN	.000	.000	.000	.000	.000	.000	.000	.024	.000	.000	.000	.000
(WY)	1961	1962	1962	1962	1973	1973	1977	1989	1974	1961	1961	1961

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1961-62, 1970-92	
ANNUAL TOTAL	412.82		2105.69			
ANNUAL MEAN	1.13		5.75		4.11	
HIGHEST ANNUAL MEAN					13.8	1983
LOWEST ANNUAL MEAN					.27	1989
HIGHEST DAILY MEAN	14	Jun 4	56	Apr 7	180	May 24 1983
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 1 1960
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 1 1960
ANNUAL RUNOFF (AC-FT)	819		4180		2980	
10 PERCENT EXCEEDS	5.4		24		13	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

09409100 SANTA CLARA RIVER ABOVE BAKER RESERVOIR NEAR CENTRAL, UT

LOCATION.--Lat 37°23'05", long 113°37'52", in SW¼SE¼NW¼NE¼ sec. 22, T. 39 S., R. 16 W., Washington County, Hydrologic Unit 15010008, on Santa Clara River 2.3 mi south of Central, Utah, 4.0 mi north of Veyo, Utah.

DRAINAGE AREA.--116 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,875 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for discharges below 2.0 ft³/s, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 6, 1966 reached a discharge of 2,080 ft³/s, from flow over dam measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 166 ft³/s, Aug. 11, gage height, 2.28 ft from rating curve extended above 44 ft³/s on basis of slope-area measurement of peak flow; minimum daily discharge, 0.28 ft³/s Oct. 19.

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	.54	.70	.89	7.7	8.4	2.0	22	30	14	3.8	.68	.68
2	.54	.74	.99	7.7	8.7	2.3	15	26	14	2.9	.68	.74
3	.45	.74	1.2	8.4	8.3	13	12	24	20	2.7	.80	.74
4	.39	.75	1.4	8.4	8.3	8.2	12	24	19	2.6	.80	.65
5	.38	.78	1.4	8.3	8.5	4.3	13	26	17	2.2	.73	.63
6	.36	.81	5.6	8.5	3.7	4.5	14	33	14	1.9	.72	.64
7	.37	.82	9.0	8.1	.54	5.6	14	42	13	1.7	.85	.63
8	.43	.76	9.0	8.1	.55	6.4	13	34	12	1.6	.65	3.8
9	.43	.77	8.9	7.9	.67	5.7	13	28	11	1.3	.67	5.9
10	.41	.84	8.9	8.1	.72	6.2	15	25	10	1.3	.59	6.3
11	.37	.81	8.8	8.0	.74	4.8	15	22	9.4	1.3	1.2	5.9
12	.37	.77	8.7	8.1	.70	4.4	19	23	8.3	1.1	.64	5.7
13	.34	.78	8.5	7.9	.90	4.5	22	24	8.4	2.4	.62	5.7
14	.34	.82	8.4	7.9	.78	5.2	23	23	8.1	1.3	.64	5.7
15	.33	.85	8.4	7.9	.78	5.4	19	19	8.2	.95	.65	5.6
16	.34	.78	8.4	7.8	.79	5.3	16	18	7.3	.80	.64	5.6
17	.31	.75	8.7	7.9	.77	5.1	15	15	7.2	1.1	.64	5.7
18	.29	.84	8.7	7.8	.72	4.2	16	17	6.8	.94	.65	6.3
19	.28	.81	8.9	7.6	.77	8.1	13	16	7.4	.93	.64	6.7
20	.31	.76	8.5	7.7	.80	11	11	20	6.8	.87	.66	6.6
21	.32	.74	8.0	7.8	.84	11	8.5	27	6.3	.77	.68	6.0
22	.36	.78	8.6	7.7	.98	11	9.1	27	5.8	.71	.69	7.4
23	.42	.72	8.4	7.6	1.1	6.4	8.5	21	5.4	.60	.98	7.5
24	.46	.77	8.4	7.8	1.1	3.4	9.2	22	5.6	.59	.81	6.9
25	.39	.79	8.1	7.9	1.1	3.4	12	20	5.5	.73	.84	6.9
26	.32	.76	8.0	7.8	1.4	4.8	14	18	5.5	.73	1.0	7.7
27	.71	.81	8.2	7.8	1.4	5.6	20	22	4.8	.83	.75	7.1
28	.47	.91	8.4	7.9	1.5	12	24	23	4.6	.67	.65	6.7
29	.49	.92	8.4	8.0	1.7	11	29	21	4.4	.68	.63	7.0
30	.48	.92	8.3	8.0	---	13	27	18	3.4	.68	1.1	7.6
31	.82	---	8.0	8.1	---	15	---	15	---	.72	.68	---
TOTAL	12.82	23.80	224.08	246.2	67.25	212.8	473.3	723	273.2	41.40	22.96	151.01
MEAN	.41	.79	7.23	7.94	2.32	6.86	15.8	23.3	9.11	1.34	.74	5.03
MAX	.82	.92	9.0	8.5	8.7	15	29	42	20	3.8	1.2	7.7
MIN	.28	.70	.89	7.6	.54	2.0	8.5	15	3.4	.59	.59	.63
AC-FT	25	47	444	488	133	422	939	1430	542	82	46	300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	.82	.71	2.87	3.10	3.55	3.30	6.45	9.25	4.93	2.27	2.40	3.81
MAX	1.57	.84	7.23	7.94	7.84	6.86	15.8	23.3	9.11	4.83	4.19	5.84
(WY)	1991	1991	1992	1992	1991	1992	1992	1992	1992	1991	1990	1990
MIN	.41	.50	.40	.55	.55	.75	1.65	.47	.63	.66	.74	.54
(WY)	1992	1990	1990	1990	1990	1990	1990	1990	1990	1990	1992	1991

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	1143.66		2471.82			
ANNUAL MEAN	3.13		6.75		3.62	
HIGHEST ANNUAL MEAN					6.75	1992
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	11	Feb 15	42	May 7	42	May 7 1992
LOWEST DAILY MEAN	.13	Aug 15	.28	Oct 19	.13	Aug 15 1991
ANNUAL SEVEN-DAY MINIMUM	.18	Aug 14	.31	Oct 15	.18	Aug 14 1991
ANNUAL RUNOFF (AC-FT)	2270		4900		2620	
10 PERCENT EXCEEDS	8.7		18		8.7	
50 PERCENT EXCEEDS	.91		5.6		.85	
90 PERCENT EXCEEDS	.34		.63		.40	

09409880 SANTA CLARA RIVER AT GUNLOCK, UT

LOCATION.--Lat 37°16'55", long 113°46'00", in $SW^1/_4SW^1/_4NW^1/_4$ sec. 28, T. 40 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank at downstream side of bridge on county road at Gunlock, 0.5 mi below tailrace of powerhouse.

DRAINAGE AREA.--271 mi^2.

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 3,628 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except Mar. 3-18, 21-30, and for flows above 250 ft^3/s, which are poor. Many diversions for irrigation above station. Flow regulated by several reservoirs and powerplant above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,810 ft^3/s Feb. 14, 1980, gage height, 5.74 ft from rating curve extended above 1,580 ft^3/s; no flow several days during 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 496 ft^3/s Feb. 13, gage height, 4.50 ft, based on slope-area measurement of peak flow; minimum daily discharge, 1.5 ft^3/s Oct. 1.

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	1.5	5.8	54	14	13	30	84	48	17	7.9	4.4	9.4
2	1.6	5.8	12	14	15	31	68	36	13	8.8	5.6	11
3	2.0	5.8	7.9	13	15	143	60	26	16	9.1	6.6	9.9
4	2.2	5.8	10	14	16	179	59	30	18	8.6	6.7	10
5	2.3	5.8	12	14	15	125	55	32	21	6.9	7.0	11
6	2.3	5.9	16	15	14	110	51	34	19	9.4	8.0	10
7	2.8	5.8	15	15	14	134	45	36	19	9.1	8.0	11
8	2.2	5.8	14	14	13	154	44	37	18	8.7	7.9	10
9	1.7	5.8	14	13	12	159	43	41	15	10	7.6	11
10	1.9	5.7	11	13	13	155	48	43	14	9.1	7.0	11
11	2.3	5.7	8.0	13	69	126	46	39	12	9.1	9.3	9.5
12	2.0	5.4	8.3	13	134	96	43	36	12	9.1	8.0	9.5
13	1.6	5.6	9.6	11	202	82	43	34	10	9.6	8.7	9.6
14	2.5	5.8	11	12	71	83	51	33	9.1	11	9.0	9.7
15	3.1	6.1	11	13	42	92	48	34	12	9.9	8.3	9.1
16	2.5	7.4	11	13	41	91	50	33	12	8.9	7.3	8.7
17	2.3	8.3	11	14	30	82	47	27	11	8.8	7.8	9.1
18	2.7	8.6	13	15	27	61	39	14	11	8.7	6.4	9.1
19	3.2	8.7	13	14	25	51	32	10	9.0	8.7	3.2	8.8
20	2.9	8.7	8.8	10	25	49	36	10	8.6	7.3	2.3	7.0
21	3.3	8.7	12	9.7	26	61	31	16	9.8	7.2	2.4	8.6
22	3.4	8.5	15	8.6	35	82	25	34	8.3	6.2	3.6	9.1
23	3.0	8.3	18	7.5	38	157	19	31	7.0	5.1	5.2	9.1
24	3.2	8.6	18	7.2	26	105	17	32	6.8	6.6	5.3	9.1
25	3.4	8.7	16	7.3	22	66	17	35	6.7	6.7	16	9.1
26	3.0	8.7	14	7.6	25	52	16	32	7.9	6.7	15	8.6
27	9.8	8.7	14	7.1	24	80	15	27	7.9	6.4	9.9	6.7
28	6.0	9.7	14	5.8	26	99	33	27	7.8	3.9	8.3	8.6
29	5.5	10	14	12	28	82	53	29	7.3	3.5	8.3	9.1
30	5.5	11	14	14	---	64	51	31	6.4	3.7	9.4	9.5
31	5.7	---	14	10	---	61	---	24	---	3.7	9.5	---
TOTAL	97.4	219.2	433.6	363.8	1056	2942	1269	951	352.6	238.4	232.0	281.9
MEAN	3.14	7.31	14.0	11.7	36.4	94.9	42.3	30.7	11.8	7.69	7.48	9.40
MAX	9.8	11	54	15	202	179	84	48	21	11	16	11
MIN	1.5	5.4	7.9	5.8	12	30	15	10	6.4	3.5	2.3	6.7
AC-FT	193	435	860	722	2090	5840	2520	1890	699	473	460	559

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1992, BY WATER YEAR (WY)

MEAN	10.8	15.0	15.4	16.3	35.7	44.4	39.9	42.3	30.8	11.2	9.37	8.40
MAX	28.0	30.9	26.0	95.4	372	211	150	222	138	38.1	30.5	26.5
(WY)	1984	1981	1981	1980	1980	1979	1973	1973	1973	1980	1980	1980
MIN	3.14	5.78	7.72	4.73	7.69	8.08	6.05	5.14	4.85	2.72	3.10	2.79
(WY)	1992	1990	1978	1972	1972	1971	1977	1989	1972	1977	1989	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1970 - 1992	
ANNUAL TOTAL	3979.45		8436.9			
ANNUAL MEAN	10.9		23.1		23.2	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					7.10	1990
HIGHEST DAILY MEAN	105	Mar 1	202	Feb 13	2040	Feb 15 1980
LOWEST DAILY MEAN	.40	Aug 30	1.5	Oct 1	.00	Jul 26 1977
ANNUAL SEVEN-DAY MINIMUM	1.3	Aug 26	2.0	Oct 8	.02	Aug 1 1977
ANNUAL RUNOFF (AC-FT)	7890		16730		16810	
10 PERCENT EXCEEDS	21		53		41	
50 PERCENT EXCEEDS	9.0		11		12	
90 PERCENT EXCEEDS	2.5		5.2		4.8	

09410100 SANTA CLARA RIVER BELOW WINSOR DAM, NEAR SANTA CLARA, UT

LOCATION.--Lat 37°11'22", long 113°46'02", in NW¼NW¼SW¼ sec. 28, T. 41 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank 1,100 ft downstream from Winsor Dam, 0.6 mi northwest of Shivwits Indian Village, and 7.5 mi northwest of Santa Clara.

DRAINAGE AREA.--378 mi².

PERIOD OF RECORD.--December 1971 to current year.

REVISED RECORDS.--WRD UT-73-1: 1972(M).

GAGE.--Water-stage recorder. Elevation of gage is 3,210 ft above NGVD of 1929, from topographic map, prior to March 29, 1988 at several sites upstream and downstream at different datums.

REMARKS.--Records good except for estimated daily discharges and for flows less than 2.0 ft³/s, which are poor. Flow regulated by Gunlock Reservoir and several diversions upstream for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 5,850 ft³/s, flood of 1938 (exact date unknown), gage height 7.90 ft, from slope area measurement.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,770 ft³/s Mar. 3, 1983, gage height, 6.07 ft from rating curve extended above 980 ft³/s on basis of slope-area measurement; no flow several days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 495 ft³/s Aug. 23, gage height, 14.69 ft from rating curve extended above 54 ft³/s on basis of slope-area measurement of peak flow; no flow many days.

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	.03	.00	.12	e4.0	42	19	12	18	16	.09
2	.00	.00	.03	.00	.11	e6.0	42	20	e10	16	15	.06
3	.00	.00	.01	.00	.13	7.6	29	18	e18	23	12	.77
4	.08	.01	.01	.02	.14	24	16	19	17	22	14	7.9
5	.00	.00	.01	.02	.18	2.5	30	18	17	21	18	11
6	.00	.00	.01	.07	.19	4.7	44	18	19	e20	21	12
7	.00	.00	.01	.05	.20	7.5	41	e28	18	14	22	10
8	.00	.00	.00	.03	.21	36	24	e38	18	17	17	12
9	.00	.00	.00	.02	.21	24	27	17	18	17	21	12
10	.00	.00	.00	.01	.23	36	36	16	16	15	21	12
11	.00	.00	.00	.01	e5.0	38	39	16	17	13	21	12
12	.00	.00	.00	.00	e4.0	41	40	15	17	15	14	12
13	.00	.00	.00	.00	e15	41	40	15	16	16	7.3	12
14	.00	.00	.00	.01	e2.0	40	41	15	18	13	9.6	12
15	.00	.00	.00	.01	1.6	41	39	15	18	11	7.2	12
16	.00	.00	.00	.02	1.6	43	39	16	16	13	8.5	12
17	.00	.01	.00	.05	.75	43	39	15	17	12	10	11
18	.00	.00	.00	.05	.65	40	40	15	17	14	10	11
19	.00	.00	.01	.05	.63	40	42	15	17	13	9.3	9.4
20	.00	.01	.00	.06	.61	40	42	17	17	12	8.4	5.2
21	.00	.00	.00	.07	.46	40	43	17	17	12	8.7	4.2
22	.00	.01	.00	.08	.14	40	39	17	16	14	8.6	2.9
23	.00	.03	.00	.09	.19	45	41	16	15	14	e25	2.5
24	.00	.03	.00	.09	.24	43	33	16	16	17	8.1	2.8
25	.00	.02	.00	.09	.28	41	21	16	15	20	e18	5.3
26	.00	.04	.00	.10	.36	41	20	17	19	21	e11	8.3
27	2.6	.03	.00	.09	.37	43	20	17	18	22	e18	10
28	.00	.03	.00	.11	.56	43	19	16	19	22	7.5	11
29	.01	.04	.00	.11	2.4	e52	19	17	18	21	7.5	12
30	.00	.04	.02	.11	---	42	18	16	18	17	7.7	12
31	.00	---	.00	.11	---	42	---	10	---	15	1.2	---
TOTAL	2.69	0.30	0.14	1.53	38.56	1031.3	1005	540	504	510	403.6	257.42
MEAN	.087	.010	.005	.049	1.33	33.3	33.5	17.4	16.8	16.5	13.0	8.58
MAX	2.6	.04	.03	.11	15	52	44	38	19	23	25	12
MIN	.00	.00	.00	.00	.11	2.5	16	10	10	11	1.2	.06
AC-FT	5.3	.6	.3	3.0	76	2050	1990	1070	1000	1010	801	511

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1992, BY WATER YEAR (WY)

MEAN	3.37	6.13	3.63	12.5	33.2	42.3	46.3	40.0	35.6	18.0	15.5	11.1
MAX	27.1	43.6	35.2	158	366	231	169	157	168	46.2	33.9	29.1
(WY)	1984	1984	1984	1980	1980	1983	1978	1973	1983	1983	1980	1980
MIN	.000	.000	.000	.000	.000	.14	6.08	5.06	8.03	.90	.33	.000
(WY)	1978	1978	1991	1975	1975	1977	1977	1977	1991	1990	1990	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1973 - 1992	
ANNUAL TOTAL	1891.37		4294.54			
ANNUAL MEAN	5.18		11.7		22.2	
HIGHEST ANNUAL MEAN					90.1	1980
LOWEST ANNUAL MEAN					3.76	1990
HIGHEST DAILY MEAN	28	Aug 17	52	Mar 29	1530	Mar 3 1983
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 8 1972
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 5	.00	Oct 8 1972
ANNUAL RUNOFF (AC-FT)	3750		8520		16080	
10 PERCENT EXCEEDS	18		39		43	
50 PERCENT EXCEEDS	.02		10		11	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION (REVISED).--Lat 37°04'31", long 113°35'32", in SE¼SW¼NE¼ sec. 1, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010008 on right bank 0.8 mi upstream from mouth and 2 mi south of St. George.

DRAINAGE AREA.--541 mi².

PERIOD OF RECORD.--October 1950 to September 1956, November 1984 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,560 ft above NGVD of 1929, from topographic map. October 1950 to September 1956, gage located 0.25 mi downstream; November 1984 to September 1989, 0.5 mi downstream from present site, both at different datum.

REMARKS.--Records fair. Flow regulated by reservoirs and many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s Aug. 24, 1955, gage height, 10.02 ft from rating curve extended above 400 ft³/s on basis of indirect measurements at gage heights 7.31 and 9.48 ft, site and datum then in use; no flow at times in 1951, 1953, 1955-56, 1989, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft³/s Aug. 23, gage height, 11.74 ft, from rating curve extended above 50 ft³/s on basis of slope-area measurement of peak flow; minimum daily discharge .03 ft³/s Oct. 1.

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	.03	.81	.23	.63	1.8	1.8	46	6.4	3.5	2.5	2.2	5.4
2	.91	.27	.24	1.0	1.8	1.7	45	8.1	3.7	1.7	1.9	5.1
3	.36	1.0	.22	1.5	1.2	51	37	7.6	2.6	2.9	2.6	4.6
4	.65	.51	.24	2.5	1.2	63	18	8.6	2.3	2.1	2.6	4.8
5	.06	.48	.41	1.7	1.1	5.0	24	9.9	2.0	4.7	2.7	5.1
6	.77	.36	.47	1.7	.87	3.8	45	15	2.0	4.2	3.6	5.8
7	.06	.07	.49	.64	.34	9.0	48	7.9	2.6	3.9	7.5	5.3
8	.43	.09	.47	.72	.50	82	31	9.9	2.2	4.0	2.7	4.1
9	.04	1.1	.40	.71	.71	28	26	6.2	1.8	4.8	3.7	3.9
10	.82	.15	.33	.38	.82	38	26	7.8	1.8	3.5	3.3	4.6
11	.38	1.7	1.8	.71	1.6	31	33	4.0	1.6	3.4	2.7	5.4
12	.94	1.5	2.0	.75	.98	38	36	5.8	2.2	4.0	3.5	5.0
13	.07	.85	1.1	.67	15	38	33	4.0	2.1	6.2	2.0	4.8
14	.97	.27	.73	.66	3.4	39	34	4.4	1.7	5.8	2.0	4.1
15	.16	.64	.76	.71	2.0	41	32	4.4	2.4	3.8	1.7	4.2
16	.64	.50	.76	.68	5.4	35	27	5.3	1.5	2.4	1.7	3.6
17	.06	.36	1.5	.76	1.7	35	31	6.1	2.1	2.0	1.5	2.6
18	.76	.45	1.5	.79	1.4	31	33	3.2	2.8	1.9	3.2	22
19	.07	.42	1.1	.89	1.4	29	42	4.7	3.1	2.3	1.9	5.8
20	1.0	.62	.98	1.2	1.3	31	35	7.8	1.7	2.0	.62	3.8
21	.16	.60	.96	.90	1.4	35	32	5.7	2.0	2.5	.39	3.4
22	1.2	.34	.64	.65	1.5	52	33	5.5	1.3	2.0	.45	2.4
23	.20	.23	.94	.53	1.3	53	27	3.4	2.7	2.7	148	1.9
24	1.6	.23	.94	.71	1.2	52	22	5.2	1.6	3.3	10	1.8
25	1.9	1.0	.93	.71	.80	41	10	4.0	2.1	3.7	5.4	2.1
26	1.7	1.6	1.1	.70	1.8	44	9.6	3.2	2.0	2.9	11	1.7
27	3.5	1.6	1.1	.64	1.5	55	12	3.0	2.2	3.0	7.7	1.7
28	1.7	1.7	1.1	.49	1.9	79	8.4	2.9	2.2	1.8	5.1	2.1
29	1.7	1.7	1.0	.74	1.5	55	5.8	3.6	3.2	2.3	5.0	2.1
30	1.7	.80	2.5	.76	---	53	8.4	4.7	1.8	2.1	11	2.3
31	1.7	---	1.2	.85	---	57	---	2.3	---	2.3	39	---
TOTAL	26.24	21.95	28.14	26.98	57.42	1207.3	850.2	180.6	66.8	96.7	296.66	131.5
MEAN	.85	.73	.91	.87	1.98	38.9	28.3	5.83	2.23	3.12	9.57	4.38
MAX	3.5	1.7	2.5	2.5	15	82	48	15	3.7	6.2	148	22
MIN	.03	.07	.22	.38	.34	1.7	5.8	2.3	1.3	1.7	.39	1.7
AC-FT	52	44	56	54	114	2390	1690	358	132	192	588	261

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1992, BY WATER YEAR (WY)

MEAN	2.40	4.31	5.97	6.28	5.25	12.5	17.0	8.22	3.80	3.50	7.35	3.32
MAX	5.96	12.7	14.5	15.8	10.3	44.8	136	38.1	18.6	8.65	38.8	7.10
(WY)	1953	1953	1953	1952	1952	1952	1952	1952	1952	1955	1955	1985
MIN	.22	.59	.91	.82	.79	1.44	1.50	1.09	.31	.36	.055	.29
(WY)	1991	1991	1992	1991	1991	1991	1991	1990	1990	1990	1956	1953

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951 - 1992	
ANNUAL TOTAL	452.95		2990.49			
ANNUAL MEAN	1.24		8.17		6.65	
HIGHEST ANNUAL MEAN					23.8	1952
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	82	Sep 7	148	Aug 23	500	Aug 25 1955
LOWEST DAILY MEAN	.02	Aug 16	.03	Oct 1	.00	Sep 21 1951
ANNUAL SEVEN-DAY MINIMUM	.04	Aug 11	.33	Dec 1	.00	Aug 2 1956
ANNUAL RUNOFF (AC-FT)	898		5930		4820	
10 PERCENT EXCEEDS	1.9		32		11	
50 PERCENT EXCEEDS	.85		2.1		3.0	
90 PERCENT EXCEEDS	.17		.46		.31	

09413200 VIRGIN RIVER NEAR BLOOMINGTON, UT

LOCATION.--Lat 37°04'14", long 113°34'55", in SE¼NW¼SW¼ sec. 6, T. 43 S., R. 15 W., Washington County, Hydrologic Unit 15010010, on left bank 0.2 mi downstream from mouth of Santa Clara River, and 0.2 mi upstream from I-15 bridge.

DRAINAGE AREA.--3,994 mi² (revised).

PERIOD OF RECORD.--September 1977 to current year.

REVISED RECORD.--WDR-UT-92-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since May 9, 1989. Elevation of gage is 2,530 ft above NGVD of 1929, from topographic map, prior to Sept. 19, 1978 at site 1.5 mi downstream at different datum. Sept. 19, 1978 to May 18, 1992, at site 210 ft downstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 19,600 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,000 ft³/s (estimated on basis of slope conveyance) Jan. 1, 1989, gage height, 25.70 ft result of Quail Creek reservoir dike failure; minimum daily discharge, 9.5 ft³/s Sept. 5, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,180 ft³/s, Aug. 23, gage height, 8.16 ft; minimum daily discharge, 16 ft³/s, June 22.

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	53	76	77	e120	115	e170	603	e350	e150	44	21	86
2	57	74	80	e120	117	e240	418	e280	e80	23	25	49
3	54	82	69	e120	113	685	300	e250	e60	26	31	58
4	40	78	71	e120	109	919	224	e250	e60	24	22	60
5	45	76	73	e130	107	373	343	e280	e60	31	26	53
6	35	81	90	e130	109	249	393	e370	e40	32	45	59
7	51	86	95	e130	114	237	412	e320	e30	31	57	60
8	44	86	99	e130	110	563	392	e250	e34	37	53	71
9	41	87	93	e130	108	509	e490	e250	e35	42	47	52
10	50	86	94	e130	112	348	e520	e250	47	38	39	34
11	61	82	98	e120	143	261	e560	e220	37	50	39	35
12	59	82	e300	e120	179	e230	e600	e150	34	32	44	37
13	54	85	e200	e120	e350	e230	e600	e220	26	91	47	54
14	57	88	e140	e120	375	e250	501	e130	34	75	75	61
15	50	97	e140	e120	241	e230	474	e100	23	37	24	45
16	61	100	e110	e120	284	229	497	e80	27	26	26	51
17	52	93	e120	e120	234	238	344	e60	34	29	29	82
18	41	105	e120	e120	203	227	404	e80	31	31	31	73
19	54	117	e130	e110	187	220	318	44	54	22	24	89
20	54	100	e130	e110	176	226	202	53	19	31	27	139
21	53	114	e120	e120	157	234	192	59	18	25	34	128
22	64	98	e120	e130	e160	259	232	78	16	28	35	82
23	61	97	e120	e120	e160	e410	321	100	25	24	e500	56
24	97	99	e120	e120	e160	e600	e300	141	28	22	e200	36
25	99	98	e120	e120	e170	e300	e330	152	22	58	e160	35
26	89	91	e120	e120	e170	e280	e360	152	25	48	e65	33
27	262	77	e130	120	e170	313	e350	161	25	54	56	41
28	162	81	e130	114	e170	825	e350	352	24	29	40	67
29	86	77	e150	120	e180	554	e350	196	26	29	28	64
30	77	73	e150	117	---	523	e350	e650	32	25	30	62
31	77	---	e120	118	---	635	---	e200	---	26	161	---
TOTAL	2140	2666	3729	3759	4983	11567	11730	6228	1156	1120	2041	1852
MEAN	69.0	88.9	120	121	172	373	391	201	38.5	36.1	65.8	61.7
MAX	262	117	300	130	375	919	603	650	150	91	500	139
MIN	35	73	69	110	107	170	192	44	16	22	21	33
AC-FT	4240	5290	7400	7460	9880	22940	23270	12350	2290	2220	4050	3670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1992, BY WATER YEAR (WY)

MEAN	120	167	181	243	308	391	444	496	187	92.5	110	96.3
MAX	322	286	350	695	1642	939	1178	1838	1145	244	246	326
(WY)	1984	1984	1984	1989	1980	1978	1980	1983	1983	1984	1982	1980
MIN	44.4	51.4	71.5	64.7	56.1	48.8	47.2	29.5	22.8	20.5	25.1	32.2
(WY)	1991	1991	1991	1991	1991	1990	1990	1990	1990	1990	1991	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1978 - 1992	
ANNUAL TOTAL	25670.5		52971			
ANNUAL MEAN	70.3		145		236	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					61.0	1991
HIGHEST DAILY MEAN	610	Mar 5	919	Mar 4	13000	Jan 1 1989
LOWEST DAILY MEAN	9.5	Sep 5	16	Jun 22	9.5	Sep 5 1991
ANNUAL SEVEN-DAY MINIMUM	15	Aug 30	22	Jun 20	13	Aug 7 1990
ANNUAL RUNOFF (AC-FT)	50920		105100		170900	
10 PERCENT EXCEEDS	120		350		501	
50 PERCENT EXCEEDS	55		98		134	
90 PERCENT EXCEEDS	22		29		32	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in NW¼NE¼SE¼ sec. 30, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010010, on right bank 8.0 mi southwest of St. George, immediately upstream from Beaver Dam Mountains Wilderness Area.

DRAINAGE AREA.--4,123 mi² (revised).

PERIOD OF RECORD.--October 1950 to December 1956, October 1991 to current year.

REVISED RECORDS.--WDR UT-92-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 2,400 ft above NGVD of 1929, from topographic map. October 1950 to December 1956, gage located about 400 ft downstream at different datum.

REMARKS.--Records fair except for estimated days, which are poor. Flow regulated by reservoirs and many diversions for irrigation above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s (estimated) Jan. 1, 1989, gage height, about 30.0 ft, result of Quail Creek reservoir dike failure.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft³/s Aug. 25, 1955, gage height 12.70, site and datum then in use; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,590 ft³/s Aug. 23, gage height, 6.84 ft, from rating table extended above 485 ft³/s on basis of average of two slope-area measurements at gage heights 6.84 ft and 7.30 ft; minimum daily discharge 11 ft³/s July 24.

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	34	54	61	116	108	142	715	326	165	31	16	e80
2	45	52	75	129	103	143	475	256	75	23	20	47
3	46	59	67	127	108	861	327	226	62	23	24	47
4	29	58	71	127	110	1030	287	275	62	19	18	50
5	35	51	74	123	121	412	409	263	55	23	17	44
6	19	54	98	141	120	208	475	356	34	28	30	50
7	39	57	104	134	125	210	492	305	28	22	50	54
8	33	64	110	121	112	533	476	227	32	31	45	60
9	25	52	105	123	109	580	509	266	33	34	39	53
10	36	53	106	129	110	405	552	231	37	31	32	41
11	49	52	121	131	130	257	528	212	57	41	34	38
12	43	52	243	123	179	208	570	167	50	34	31	43
13	44	52	134	106	395	242	636	251	33	59	42	49
14	44	56	120	105	500	271	661	135	21	68	61	57
15	40	63	124	115	219	255	560	106	17	41	23	48
16	46	71	95	119	259	267	601	88	19	27	18	61
17	47	75	109	118	208	253	383	64	26	27	25	74
18	31	85	107	104	171	270	449	78	27	27	24	52
19	44	85	125	103	165	248	370	46	51	20	17	64
20	49	73	120	103	164	261	222	60	20	24	17	115
21	40	73	113	122	147	283	207	82	15	20	20	103
22	60	75	114	133	154	294	256	83	16	18	26	70
23	58	74	120	123	179	500	340	96	e16	19	449	47
24	92	77	125	116	154	627	310	129	e16	11	207	33
25	88	80	126	109	146	302	316	135	e16	29	140	29
26	67	80	121	108	147	252	343	123	16	46	e70	29
27	140	72	116	115	142	337	370	163	16	45	e70	29
28	128	73	125	119	155	919	379	395	17	30	e70	36
29	66	69	144	129	168	654	383	170	16	27	e50	42
30	57	66	140	132	---	630	372	612	21	23	e50	42
31	56	---	115	112	---	697	---	220	---	23	e60	---
TOTAL	1630	1957	3528	3715	4908	12551	12973	6146	1069	924	1795	1587
MEAN	52.6	65.2	114	120	169	405	432	198	35.6	29.8	57.9	52.9
MAX	140	85	243	141	500	1030	715	612	165	68	449	115
MIN	19	51	61	103	103	142	207	46	15	11	16	29
AC-FT	3230	3880	7000	7370	9740	24890	25730	12190	2120	1830	3560	3150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-56, 1991-92, BY WATER YEAR (WY)

MEAN	46.9	102	146	168	145	189	325	236	34.5	61.5	155	32.6
MAX	88.0	151	275	216	176	405	1312	1249	162	123	522	80.3
(WY)	1955	1953	1952	1952	1954	1992	1952	1952	1952	1955	1955	1954
MIN	22.8	65.2	64.5	120	88.1	69.3	38.3	6.86	.000	10.1	4.30	.000
(WY)	1951	1992	1957	1992	1951	1956	1953	1953	1951	1952	1956	1956

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1951-56, 1991-92	
ANNUAL TOTAL	52783			
ANNUAL MEAN	144		138	
HIGHEST ANNUAL MEAN			330	1952
LOWEST ANNUAL MEAN			73.7	1956
HIGHEST DAILY MEAN	1030	Mar 4	5490	Aug 25 1955
LOWEST DAILY MEAN	11	Jul 24	.00	Apr 17 1951
ANNUAL SEVEN-DAY MINIMUM	16	Jun 21	.00	May 29 1951
ANNUAL RUNOFF (AC-FT)	104700		100200	
10 PERCENT EXCEEDS	371		232	
50 PERCENT EXCEEDS	85		77	
90 PERCENT EXCEEDS	24		.00	

e Estimated

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW¼SW¼NW¼ sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58 mi².

PERIOD OF RECORD.--October 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 4,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 13	0045	342	7.50	Mar. 23	2000	154	5.86
Mar. 4	0045	*373	*7.74	Mar. 28	2300	136	5.68
Mar. 10	2245	97	5.25	May 5	1900	52	4.66

Minimum daily discharge, 0.36 ft³/s June 29.

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	e2.0	e3.0	e2.5	2.3	4.8	21	74	6.0	3.8	.50	.69	1.7
2	e2.0	e3.0	e2.5	3.0	4.8	23	59	6.1	3.7	.50	.93	1.5
3	e2.0	e3.0	e2.2	3.0	4.8	161	42	5.1	3.0	.53	.82	1.3
4	e2.0	e3.0	e2.2	3.0	4.8	189	41	5.3	2.6	.66	.76	1.4
5	e2.0	e3.0	e2.2	3.1	4.8	67	39	11	2.7	.66	.83	1.5
6	e2.0	e2.7	e2.2	6.2	4.8	44	37	11	e2.1	.69	2.0	1.5
7	e2.0	e2.7	e2.2	6.7	5.0	57	35	8.6	1.0	.67	e7.3	1.4
8	e2.0	e2.7	e2.2	6.7	6.3	56	31	7.0	1.9	.81	3.6	1.4
9	e2.0	e2.7	e2.2	6.7	6.9	54	29	6.3	2.1	.87	1.9	1.5
10	e2.0	e2.5	e2.5	5.7	15	66	26	5.6	1.6	1.1	1.2	1.7
11	e2.0	e2.5	e2.5	3.6	70	59	22	6.0	1.5	1.3	1.3	1.7
12	e2.0	e2.5	e2.5	3.5	115	46	21	6.0	1.5	1.2	1.0	2.1
13	e2.0	e2.5	e2.5	3.5	146	38	19	5.0	1.2	2.7	.59	1.6
14	e2.0	e2.5	e2.5	3.2	49	36	14	4.4	1.4	2.6	.53	1.3
15	e2.0	e3.0	e2.5	3.2	31	33	12	4.1	1.8	1.8	.79	1.3
16	e2.0	e3.0	e2.5	e3.5	24	30	12	3.7	1.9	1.1	1.0	1.6
17	e2.0	e3.0	e2.5	3.2	19	28	13	3.7	1.6	1.3	1.0	1.7
18	e2.0	e3.0	2.1	3.5	16	24	13	2.8	1.0	1.4	1.1	1.7
19	e2.0	e3.0	2.3	3.5	16	20	11	2.9	1.0	1.4	.96	1.8
20	e2.0	e3.0	2.5	4.6	16	17	9.6	3.0	1.4	1.0	.88	1.2
21	e2.0	e2.5	2.5	4.0	19	24	9.5	3.1	2.0	.78	1.0	1.2
22	e2.0	e2.5	2.5	3.9	27	41	9.1	3.9	1.8	.63	.81	1.4
23	e2.5	e2.5	2.5	3.9	32	110	8.2	4.4	e1.5	.64	.66	1.6
24	e3.0	e2.5	2.5	4.1	24	87	8.1	4.7	.91	.53	.85	2.0
25	e3.0	e2.5	2.5	4.1	19	60	7.5	4.1	.97	.40	1.3	2.1
26	e3.0	e2.5	2.5	4.1	21	42	3.7	4.3	1.1	.46	1.9	2.0
27	e3.5	e2.5	2.5	4.1	19	57	3.4	3.9	e1.3	.53	1.9	1.2
28	e3.5	e2.5	2.5	4.2	20	94	5.1	2.5	e.53	.68	1.8	1.3
29	e3.5	e2.5	2.5	4.2	20	77	6.2	3.4	.36	.69	1.6	1.5
30	e3.5	e2.5	2.8	4.3	---	69	5.5	3.8	.37	.59	1.4	1.2
31	e3.0	---	2.7	4.8	---	69	---	3.7	---	.59	1.9	---
TOTAL	72.5	81.3	75.3	127.4	765.0	1799	625.9	155.4	49.64	29.31	44.30	46.4
MEAN	2.34	2.71	2.43	4.11	26.4	58.0	20.9	5.01	1.65	.95	1.43	1.55
MAX	3.5	3.0	2.8	6.7	146	189	74	11	3.8	2.7	7.3	2.1
MIN	2.0	2.5	2.1	2.3	4.8	17	3.4	2.5	.36	.40	.53	1.2
AC-FT	144	161	149	253	1520	3570	1240	308	98	58	88	92

WTR YR 1992 TOTAL 3871.45 MEAN 10.6 MAX 189 MIN .36 AC-FT 7680

e Estimated

GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION.--Lat 40 43'53", long 112 12'46", in NE¼SW¼NW¼ sec. 17, T. 1 S., R. 3 W., Salt Lake County, Hydrologic Unit 16020310, at State Park Saltair Beach Boat Harbor on southeast shore of lake, 17.1 mi west of Salt Lake City. (Gage temporarily located 0.4 mi to the southeast, from Apr. 13, 1984 to May 30, 1985, because of problems associated with highwater, then relocated 0.1 mi to the northeast from May 30, 1985 to Aug. 9, 1989 because of highway construction. Gage relocated to boat harbor marina on Aug. 9, 1989).

PERIOD OF RECORD.--September 1875 to December 1899, October 1902 to current year. Records for October 1902 to September 1912 and diagram showing fluctuations of lake from 1851-1950, published in WSP 1314.

REVISED RECORDS.--WSP 1314: 1877. WRD-UT-74-1: 1967-73. WDR-UT-83-1: 1981-82.

GAGE.--Water-stage recorder at Boat Harbor since October 1938. Datum at gage since September 15, 1970 is 4,186.80 ft NGVD of 1929. October 1938 to April 15, 1967, at datum 4,186.9 ft and April 15, 1967 to September 15, 1970, at datum 4,186.85 ft. Prior to October 1938, staff gages at sites and datums as follows: September 1875 to October 1877 at Black Rock at 4,208.4 ft NGVD of 1929, November 1877 to November 1879 at Farmington Bay at 4,206.9 ft NGVD of 1929, November 1879 to April 1881 near Black Rock at 4,203.1 ft NGVD of 1929, April 1881 to December 1899 at Garfield Landing at 4,198.5 ft NGVD of 1929, October 1902 to July 1903, at Midlake on Lucin cutoff of Southern Pacific Railroad, 30 mi west of Ogden, at 4,197.9 ft NGVD of 1929, and July 1903 to October 1938 at Saltair at 4,196.9 ft NGVD of 1929.

REMARKS.--Wind effects may cause substantial changes in elevations, which are not shown in the published elevations. Specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 4,211.85 ft June 3, 1986, Mar. 30-Apr. 6, 1987; minimum, 4,191.35 ft Oct. 15, Nov. 1, 1963. Maximum elevation prior to June 3, 1986, 4,211.6 ft in 1873, computed from traditional data by G. K. Gilbert and E. C. LaRue.

Date	Temperature, water (Deg. C)	Specific Gravity (20.0°C)	Percent Salinity
Oct. 8, 1991	18.0	1.098	14.1
Dec. 4	6.5	1.102	14.4
Feb. 27, 1992	9.0	1.102	14.5
July 8	23.5	1.102	14.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.5	4201.4	4201.6	4201.7	4201.8	4202.2	4202.3	4202.2	4201.7	4201.3	4200.9	4200.3
2	4201.5	4201.5	4201.5	4201.7	4201.8	4202.2	4202.3	4202.1	4201.8	4201.3	4200.9	4200.3
3	4201.6	4201.4	4201.5	4201.7	4201.8	4202.2	4202.3	4202.1	4201.7	4201.3	4200.9	4200.2
4	4201.5	4201.4	4201.5	4201.7	4201.9	4202.2	4202.2	4202.0	4201.7	4201.3	4200.9	4200.3
5	4201.4	4201.4	4201.5	4201.7	4201.9	4202.2	4202.3	4202.0	4201.8	4201.2	4200.7	4200.2
6	4201.4	4201.4	4201.5	4201.7	4201.9	4202.2	4202.3	4202.0	4201.6	4201.3	4200.8	4200.3
7	4201.4	4201.4	4201.6	4201.8	4201.9	4202.2	4202.3	4202.0	4201.6	4201.2	4200.7	4200.3
8	4201.4	4201.4	4201.6	4201.8	4201.9	4202.3	4202.2	4202.0	4201.6	4201.2	4200.7	4200.2
9	4201.4	4201.4	4201.6	4201.8	4201.9	4202.2	4202.2	4202.1	4201.6	4201.2	4200.7	4200.2
10	4201.4	4201.5	4201.6	4201.8	4201.9	4202.2	4202.2	4202.0	4201.6	4201.2	4200.7	4200.1
11	4201.4	4201.5	4201.6	4201.8	4201.9	4202.2	4202.2	4202.0	4201.6	4201.2	4200.7	4200.1
12	4201.4	4201.5	4201.6	4201.8	4201.9	4202.2	4202.2	4202.0	4201.6	4201.2	4200.7	4200.2
13	4201.4	4201.5	4201.6	4201.8	4201.9	4202.2	4202.2	4201.9	4201.6	4201.2	4200.7	4200.2
14	4201.4	4201.6	4201.6	4201.8	4201.9	4202.2	4202.2	4202.0	4201.5	4201.2	4200.7	4200.1
15	4201.4	4201.5	4201.6	4201.8	4201.9	4202.2	4202.2	4201.9	4201.5	4201.2	4200.7	4200.1
16	4201.4	4201.5	4201.6	4201.8	4202.0	4202.3	4202.2	4201.9	4201.5	4201.2	4200.7	4200.1
17	4201.4	4201.5	4201.6	4201.8	4202.0	4202.3	4202.3	4201.9	4201.5	4201.2	4200.6	4200.1
18	4201.4	4201.6	4201.6	4201.8	4202.0	4202.3	4202.3	4201.9	4201.5	4201.2	4200.6	4200.1
19	4201.4	4201.5	4201.7	4201.8	4202.0	4202.3	4202.2	4201.8	4201.5	4201.1	4200.6	4200.1
20	4201.4	4201.5	4201.7	4201.8	4202.0	4202.3	4202.1	4201.8	4201.5	4201.1	4200.5	4200.1
21	4201.3	4201.6	4201.6	4201.8	4202.1	4202.3	4202.2	4201.9	4201.5	4201.2	4200.5	4200.0
22	4201.3	4201.6	4201.6	4201.8	4202.1	4202.3	4202.2	4201.9	4201.4	4201.1	4200.5	4200.0
23	4201.4	4201.5	4201.6	4201.8	4202.1	4202.3	4202.1	4201.9	4201.4	4201.1	4200.5	4200.0
24	4201.3	4201.5	4201.6	4201.8	4202.1	4202.3	4202.1	4201.8	4201.4	4201.1	4200.5	4200.0
25	4201.3	4201.5	4201.6	4201.8	4202.1	4202.3	4202.1	4201.8	4201.4	4201.0	4200.4	4199.9
26	4201.2	4201.5	4201.6	4201.8	4202.1	4202.3	4202.1	4201.9	4201.4	4201.0	4200.3	4199.9
27	4201.5	4201.6	4201.7	4201.8	4202.1	4202.3	4202.1	4201.9	4201.4	4201.0	4200.3	4199.9
28	4201.6	4201.6	4201.7	4201.8	4202.1	4202.3	4202.1	4201.8	4201.4	4201.0	4200.3	4199.9
29	4201.4	4201.7	4201.7	4201.8	4202.2	4202.3	4202.1	4201.8	4201.4	4201.0	4200.3	4199.9
30	4201.4	4201.7	4201.7	4201.8	---	4202.3	4202.1	4201.8	4201.4	4201.0	4200.3	4199.9
31	4201.4	---	4201.7	4201.8	---	4202.3	---	4201.8	---	4200.9	4200.3	---
MEAN	4201.4	4201.5	4201.6	4201.8	4202.0	4202.3	4202.2	4201.9	4201.5	4201.2	4200.6	4200.1
MAX	4201.6	4201.7	4201.7	4201.8	4202.2	4202.3	4202.3	4202.2	4201.8	4201.3	4200.9	4200.3
MIN	4201.2	4201.4	4201.5	4201.7	4201.8	4202.2	4202.1	4201.8	4201.4	4200.9	4200.3	4199.9

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'09", long 112°29'40", in SE¼NE¼NW¼ sec. 14, T. 6 N., R. 6 W., Box Elder County, Hydrologic Unit 16020310, 3.4 mi northwest of Saline at the Little Valley boat harbor, 30 mi west of Ogden and 27 mi south of Promontory.

PERIOD OF RECORD.--April 1966 to current year.

REVISED RECORDS.--WDR UT-75-1: 1966-75. WDR UT-83-1: 1966-82, gage datum.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage, 4,189.80 ft NGVD of 1929.

REMARKS.--Wind effects may cause substantial changes in elevations, which are not shown in the published elevations. Samples for specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,210.95 ft Apr. 7-29, 1987; minimum, 4,192.65 ft Oct. 15, Nov. 1, 1966.

Date	Temperature, water (Deg. C)	Specific Gravity (20.0°C)	Percent Salinity
Oct. 8, 1991	20.0	1.190	25.3
Dec. 12	3.5	1.194	25.8
Mar. 19, 1992	13.0	1.181	24.3
June 3	22.5	1.192	25.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.6	4199.4	4199.3	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.0	4198.6	4198.1	4197.6
2	4199.6	4199.4	4199.3	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.1	4198.6	4198.1	4197.6
3	4199.7	4199.3	4199.3	4199.3	4199.4	4199.5	4199.6	4199.4	e4199.0	4198.6	4198.1	4197.6
4	4199.6	4199.3	4199.3	4199.3	4199.3	4199.6	4199.6	4199.4	4199.0	4198.6	4198.1	4197.7
5	4199.6	4199.3	4199.3	4199.3	4199.4	4199.5	4199.7	4199.4	4199.1	4198.6	4198.1	4197.6
6	4199.6	4199.3	4199.3	4199.3	4199.4	4199.5	4199.6	4199.4	4199.0	4198.6	4198.0	4197.7
7	4199.6	4199.3	4199.3	4199.3	4199.4	4199.6	4199.6	4199.4	4199.0	4198.5	4198.0	4197.6
8	4199.6	4199.3	4199.3	4199.4	4199.3	4199.7	4199.5	4199.4	4199.0	4198.5	4198.0	4197.5
9	4199.6	4199.3	4199.3	4199.3	4199.4	4199.6	4199.6	4199.5	4198.9	4198.5	4198.0	4197.5
10	4199.5	4199.4	4199.3	4199.3	4199.3	4199.6	4199.6	4199.3	4198.9	4198.5	4198.0	4197.5
11	4199.5	4199.4	4199.3	4199.4	4199.3	4199.6	4199.6	4199.4	4198.9	4198.5	4198.0	4197.5
12	4199.5	4199.4	4199.3	4199.4	4199.3	4199.6	4199.5	4199.4	4198.9	4198.5	4198.0	4197.5
13	4199.5	4199.4	4199.3	4199.3	4199.4	4199.6	4199.6	4199.3	4198.9	4198.4	4198.0	4197.5
14	4199.5	4199.6	4199.3	4199.3	4199.4	4199.6	4199.6	4199.3	4198.8	4198.4	4197.9	4197.5
15	4199.5	4199.4	4199.3	4199.3	4199.3	4199.6	4199.6	e4199.2	4198.9	4198.4	4198.0	4197.5
16	4199.5	4199.4	4199.3	4199.3	4199.4	4199.6	4199.5	e4199.2	4199.0	4198.4	4197.9	4197.5
17	4199.5	4199.3	4199.3	4199.4	4199.4	4199.6	4199.7	e4199.2	4198.8	4198.4	4197.9	4197.4
18	4199.5	4199.4	4199.3	4199.3	4199.4	4199.6	4199.6	e4199.2	4198.8	4198.4	4197.9	4197.5
19	4199.5	4199.4	4199.4	4199.3	4199.4	4199.6	4199.6	e4199.1	4198.9	4198.4	4197.9	4197.4
20	4199.5	4199.3	4199.3	4199.3	4199.4	4199.5	4199.5	e4199.1	4198.8	4198.4	4197.8	4197.4
21	4199.4	4199.4	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.2	4198.8	4198.4	4197.8	4197.4
22	4199.4	4199.4	4199.3	4199.3	4199.5	4199.5	4199.5	e4199.2	4198.7	4198.3	4197.9	4197.4
23	4199.5	4199.3	4199.3	4199.3	4199.6	4199.6	4199.5	e4199.2	4198.7	4198.4	4197.8	4197.4
24	4199.4	4199.3	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.1	4198.6	4198.4	4197.8	4197.5
25	4199.4	4199.3	4199.3	4199.3	4199.6	4199.6	4199.5	e4199.1	4198.7	4198.3	4197.8	4197.4
26	4199.4	4199.3	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.2	4198.7	4198.2	4197.7	4197.3
27	4199.5	4199.4	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.2	4198.7	4198.2	4197.6	4197.3
28	4199.5	4199.4	4199.3	4199.3	4199.5	4199.6	4199.5	e4199.1	4198.7	4198.2	4197.6	4197.3
29	4199.4	4199.5	4199.3	4199.3	4199.5	4199.6	4199.4	e4199.1	4198.9	4198.2	4197.6	4197.3
30	4199.5	4199.4	4199.3	4199.3	---	4199.6	4199.5	e4199.1	4198.6	4198.2	4197.6	4197.3
31	4199.4	---	4199.3	4199.3	---	4199.6	---	e4199.1	---	4198.2	4197.6	---
MEAN	4199.5	4199.4	4199.3	4199.3	4199.4	4199.6	4199.6	4199.3	4198.9	4198.4	4197.9	4197.5
MAX	4199.7	4199.6	4199.4	4199.4	4199.6	4199.7	4199.7	4199.5	4199.1	4198.6	4198.1	4197.7
MIN	4199.4	4199.3	4199.3	4199.3	4199.3	4199.5	4199.4	4199.1	4198.6	4198.2	4197.6	4197.3

e Estimated

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in SE¼NW¼SE¼ sec. 30, T. 3 N., R. 10 E., Summit County, Utah Hydrologic Unit 16010101, on left bank 400 ft downstream from West Fork and 2.8 mi upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi².

PERIOD OF RECORD.--July 1942 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,965 ft above NGVD of 1929, from river-profile map. Prior to Oct. 1, 1986 at datum 3.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated slightly by Whitney Reservoir, total capacity, 4,700 acre-ft since 1966. Three diversions above station for irrigation of about 265 acres above and 2,600 acres below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,230 ft³/s June 6, 1986, gage height, 4.05 ft; maximum gage height, 4.28 ft June 19, 1983, datum then in use; minimum, 6.8 ft³/s Apr. 12, 1984, result of upstream ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 20	0600	*1,140	*5.91	No other peak greater than base discharge.			

Minimum daily discharge, 27 ft³/s, Feb. 20.

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	70	61	e32	51	e30	36	48	486	325	156	59	61
2	65	57	e38	e47	e32	35	54	398	316	156	58	58
3	62	59	e47	e44	e34	35	66	400	332	112	57	50
4	60	68	e48	e45	e34	35	77	447	323	93	57	59
5	59	66	e50	e51	e30	33	88	504	288	86	57	68
6	59	88	e55	e48	e32	35	82	539	267	82	60	54
7	58	82	e58	e46	e34	38	76	542	257	91	64	49
8	58	71	e55	e47	e38	35	82	532	244	129	75	48
9	56	81	e52	e41	e39	35	96	568	236	136	61	46
10	56	85	e51	e38	e39	36	113	440	229	156	57	45
11	55	69	e53	43	e35	37	131	383	231	157	56	44
12	54	62	e55	e44	e34	37	156	396	217	191	57	44
13	54	65	e58	45	e34	37	152	547	213	181	56	45
14	53	65	e57	e41	e35	39	158	659	202	140	59	41
15	52	63	e55	e42	e36	40	171	590	214	131	66	39
16	50	64	e53	e46	e33	40	154	575	200	93	68	38
17	48	61	e53	e52	e32	38	175	574	174	86	75	40
18	47	65	e52	e47	e30	37	195	557	156	81	64	39
19	49	63	52	e38	e29	37	149	625	144	80	61	38
20	49	61	e50	e31	27	34	132	882	141	77	60	38
21	49	64	e48	e34	33	39	127	641	140	74	63	38
22	49	55	e47	e36	33	38	138	544	140	73	63	37
23	68	45	e47	e37	33	37	128	500	138	75	77	35
24	56	67	e48	e41	46	36	112	510	139	73	69	37
25	e55	67	e51	e38	35	37	125	534	153	72	56	45
26	e53	65	e53	e37	41	39	154	563	155	71	54	42
27	e52	64	e52	e38	39	41	214	577	145	68	52	40
28	52	59	e51	e36	37	43	297	481	127	67	51	38
29	e52	54	52	e32	36	47	369	431	128	66	49	37
30	54	e40	e50	e33	---	48	467	380	152	63	48	36
31	e54	---	47	e32	---	48	---	362	---	60	49	---
TOTAL	1708	1936	1570	1281	1000	1182	4486	16167	6126	3176	1858	1329
MEAN	55.1	64.5	50.6	41.3	34.5	38.1	150	522	204	102	59.9	44.3
MAX	70	88	58	52	46	48	467	882	332	191	77	68
MIN	47	40	32	31	27	33	48	362	127	60	48	35
AC-FT	3390	3840	3110	2540	1980	2340	8900	32070	12150	6300	3690	2640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

MEAN	62.7	54.2	46.6	41.8	40.3	43.0	113	591	860	292	93.1	71.9
MAX	208	106	94.9	72.4	64.3	69.0	316	1044	1990	933	244	229
(WY)	1983	1984	1984	1984	1984	1986	1946	1984	1986	1975	1965	1983
MIN	30.8	32.5	27.7	29.6	25.3	26.0	37.2	162	204	67.4	37.5	23.9
(WY)	1959	1955	1960	1991	1964	1964	1944	1977	1992	1961	1954	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	64281		41819			
ANNUAL MEAN	176		114		193	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	2170	Jun 13	882	May 20	2680	Jun 4 1986
LOWEST DAILY MEAN	26	Jan 20	27	Feb 20	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	27	Feb 25	31	Feb 16	21	Dec 28 1959
ANNUAL RUNOFF (AC-FT)	127500		82950		139600	
10 PERCENT EXCEEDS	528		318		607	
50 PERCENT EXCEEDS	61		57		58	
90 PERCENT EXCEEDS	28		36		33	

e Estimated

10015700 SULPHUR CREEK ABOVE RESERVOIR, BELOW LA CHAPELLE CREEK, NEAR EVANSTON, WY

LOCATION.--Lat 41°07'45", long 110°48'21", in NE¼SE¼SW¼ sec. 2, T. 13 N., R. 119 W., Uinta County, Hydrologic Unit 16010101, on right bank 0.2 mi downstream from La Chapelle Creek, 3.3 mi upstream from Sulphur Creek Dam, and 12.8 mi southeast of Evanston.

DRAINAGE AREA.--64.2 mi².

PERIOD OF RECORD.--October 1957 to current year. Monthly discharge only for October and November 1957, published in WSP 1734. October 1957 to October 1987 not equivalent because of inflow between sites. October 1987 to October 1989 at present site at different datum.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,240 ft above NGVD of 1929, from topographic map. Prior to October 7, 1987 at site 1.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Several diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,400 ft³/s June 1, 1983, gage height, 9.10 ft, from rating curve extended above 1,200 ft³/s on basis of slope-area measurement of peak flow. Flood was result of released water from temporary blockage of upstream road culverts; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 104 ft³/s Mar. 27, gage height, 6.69 ft; minimum daily discharge, 0.03 ft³/s, Aug. 29.

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	4.1	11	10	3.4	e2.9	7.1	25	3.4	18	2.9	.68	.13
2	3.5	e10	12	3.4	e3.1	5.2	20	1.8	10	8.0	.46	.13
3	3.0	e9.4	e9.0	3.4	e3.2	4.2	19	1.3	7.8	6.3	.41	.09
4	2.7	e8.9	e7.0	3.4	e3.2	4.2	19	.99	11	2.6	.36	.28
5	4.3	e9.4	e6.5	3.4	e3.0	4.7	19	.91	11	1.1	.35	.31
6	7.3	e11	6.2	3.4	e3.7	5.2	18	.91	13	.71	.31	.15
7	5.9	e11	4.9	3.4	e4.3	8.1	15	.93	28	.59	.34	.11
8	5.7	e11	6.2	3.4	e4.3	9.5	13	1.2	25	.58	.36	.08
9	5.6	e12	6.0	3.4	e4.4	8.9	15	15	21	.63	.39	.10
10	5.6	e12	5.7	3.5	e4.5	9.1	18	23	16	.44	.35	.10
11	5.0	e11	7.4	3.8	e4.0	10	18	12	15	.56	.40	.11
12	3.7	e11	7.6	3.9	e3.9	11	21	6.3	12	.99	.15	.10
13	3.4	11	8.2	3.9	e4.2	11	21	7.5	9.4	.88	.14	.08
14	3.5	11	8.0	3.9	e4.0	17	19	8.8	7.1	.55	.16	.08
15	3.6	6.1	7.1	3.9	e4.2	28	20	4.7	17	.40	.21	.08
16	3.5	9.0	6.6	4.6	4.1	47	20	2.1	18	.38	.29	.07
17	3.5	13	6.6	4.3	4.1	51	20	1.9	18	.36	.24	.13
18	3.4	15	6.1	3.8	4.1	31	32	4.0	11	.34	.13	.14
19	3.4	e15	6.2	3.3	4.5	24	26	4.7	7.0	.46	.10	.11
20	3.6	e15	6.6	3.2	4.7	17	23	14	5.5	.53	.08	.11
21	3.6	e14	6.6	e3.3	4.7	15	17	17	5.6	.44	.07	.10
22	3.6	e14	6.5	e3.5	4.9	15	16	20	4.6	.67	.06	.11
23	5.5	14	5.5	e3.8	5.0	20	23	20	1.3	.88	.06	.10
24	15	14	5.4	e3.9	4.2	28	12	18	.72	.38	.05	.13
25	16	14	5.0	e3.6	4.1	35	11	16	.70	.52	.05	.33
26	15	14	4.7	e3.3	4.1	40	10	16	1.3	.77	.05	.24
27	18	15	4.0	e3.2	4.4	57	8.1	28	6.5	.82	.05	.20
28	16	13	3.7	e3.3	5.4	57	7.8	25	2.6	.47	.04	.14
29	13	10	3.5	e3.1	6.0	38	8.8	25	1.3	.40	.03	.16
30	9.0	9.1	3.4	e3.1	---	35	4.1	30	1.1	.37	.04	.17
31	11	---	3.4	e2.9	---	32	---	24	---	.67	.07	---
TOTAL	210.0	353.9	195.6	109.7	121.2	685.2	518.8	354.44	306.52	35.69	6.48	4.17
MEAN	6.77	11.8	6.31	3.54	4.18	22.1	17.3	11.4	10.2	1.15	.21	.14
MAX	18	15	12	4.6	6.0	57	32	30	28	8.0	.68	.33
MIN	2.7	6.1	3.4	2.9	2.9	4.2	4.1	.91	.70	.34	.03	.07
AC-FT	417	702	388	218	240	1360	1030	703	608	71	13	8.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	1.67	3.71	2.61	2.27	2.33	21.3	35.5	33.2	19.6	2.82	1.33	.49
MAX	6.77	11.8	6.31	3.54	4.18	52.7	64.6	58.6	33.0	8.75	6.03	2.12
(WY)	1992	1992	1992	1992	1992	1989	1988	1988	1991	1991	1991	1991
MIN	.18	.59	1.17	1.11	1.18	2.80	17.3	11.4	4.20	.18	.017	.000
(WY)	1991	1991	1991	1991	1991	1991	1992	1992	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1988 - 1992	
ANNUAL TOTAL	4516.54		2901.70			
ANNUAL MEAN	12.4		7.93		10.6	
HIGHEST ANNUAL MEAN					15.3	1989
LOWEST ANNUAL MEAN					7.09	1990
HIGHEST DAILY MEAN	220	Jun 3	57	Mar 27	220	Jun 3 1991
LOWEST DAILY MEAN	.42	Jul 17	.03	Aug 29	.00	Jul 15 1988
ANNUAL SEVEN-DAY MINIMUM	.77	Feb 3	.04	Aug 24	.00	Jul 15 1988
ANNUAL RUNOFF (AC-FT)	8960		5760		7670	
10 PERCENT EXCEEDS	27		19		34	
50 PERCENT EXCEEDS	5.0		4.4		2.5	
90 PERCENT EXCEEDS	1.1		.14		.05	

e Estimated

10015900 SULPHUR CREEK BELOW RESERVOIR, NEAR EVANSTON, WY

LOCATION.--Lat 41°09'17", long 110°50'22", in NE¼NW¼NE¼ sec. 33, T. 14 N., R. 119 W., Uinta County, Hydrologic Unit 16010101, on right bank 1200 ft downstream from Sulphur Creek Dam, 6.2 mi upstream from mouth, and 10.5 mi southeast of Evanston.

DRAINAGE AREA.--69.2 mi².

PERIOD OF RECORD.--April 1958 to September 1992 (discontinued).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,120 ft above NGVD of 1929, from topographic map. Oct. 1, 1986 to June 9, 1987 at datum 1.0 ft higher. After June 9, 1987 at site 0.3 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Sulphur Creek Reservoir which was enlarged in 1988 from 7,100 acre-ft to a total capacity of 19,775 acre-ft. Records prior to 1965 do not include flow over spillway of the dam.

EXTREMES FOR PERIOD OF RECORD (SINCE 1965).--Maximum daily discharge, 740 ft³/s May 15, 1984; no flow at times each year, except 1972 and 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68 ft³/s June 8, gage height, 4.48 ft; minimum daily discharge, 0.38 ft³/s, Sept. 29, 30.

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	.81	2.3	19	4.7	8.0	7.9	56	e2.5	37	50	19	21
2	.78	2.3	21	5.2	8.0	7.7	54	e2.5	37	50	19	20
3	.72	2.3	21	7.3	8.4	7.9	54	e2.5	31	49	24	19
4	.69	2.3	10	7.3	8.4	7.8	55	e2.5	35	48	20	9.4
5	.69	2.4	2.3	7.0	8.4	7.9	55	e2.5	39	48	16	9.0
6	.69	4.7	2.2	7.0	8.4	7.9	55	e2.5	37	46	15	8.8
7	.69	4.0	2.3	7.3	8.2	7.8	55	e2.5	41	45	13	7.9
8	.69	1.8	2.8	7.0	8.0	8.0	54	e2.5	55	45	13	7.0
9	.74	3.7	4.0	7.0	8.0	18	54	e2.5	59	45	13	7.1
10	.79	5.7	2.4	7.0	8.0	40	34	e2.5	51	41	14	5.8
11	.77	3.4	2.3	7.3	8.0	44	e7.8	e2.5	44	33	12	5.6
12	.77	2.1	3.5	7.0	8.0	45	e8.2	e2.5	43	34	11	5.7
13	.77	1.7	3.3	7.3	8.0	45	e8.0	2.5	42	34	12	4.6
14	.84	1.3	2.0	7.3	8.1	47	e7.8	4.4	42	35	13	3.5
15	.94	.80	2.0	7.7	8.4	53	e7.6	7.9	45	35	12	3.4
16	.94	1.0	2.2	8.0	8.1	58	e7.5	8.6	46	35	12	3.3
17	.94	1.2	3.3	8.4	8.0	59	e7.5	9.0	47	35	12	3.3
18	.97	1.2	4.7	8.4	8.0	59	e7.4	9.2	45	34	12	2.8
19	1.0	.99	4.7	8.4	8.0	60	e5.5	9.5	43	35	12	1.0
20	1.1	.88	4.9	8.4	7.9	58	e4.0	11	43	34	12	1.0
21	1.1	1.8	4.9	8.0	7.7	56	e4.0	12	48	22	13	.94
22	1.2	.65	4.9	8.3	7.7	56	e4.0	13	61	12	14	.94
23	1.5	1.4	4.4	8.4	7.7	57	e4.0	13	59	12	14	.94
24	1.5	.76	4.9	8.4	7.7	56	e4.0	12	60	15	14	1.0
25	1.5	1.4	4.9	8.4	7.7	55	e4.0	12	52	18	17	.99
26	2.4	3.3	4.7	8.4	7.8	55	e3.2	12	45	18	22	.43
27	2.6	3.3	4.9	8.4	7.7	55	e2.5	12	45	18	22	.43
28	1.8	3.0	4.7	8.4	7.9	55	e2.5	12	46	18	22	.39
29	1.6	3.0	4.4	8.3	7.7	54	e2.5	11	44	17	23	.38
30	2.2	8.0	4.4	8.0	---	55	e2.5	16	46	17	23	.38
31	2.3	---	4.7	8.0	---	56	---	30	---	18	21	---
TOTAL	36.03	72.68	171.7	236.0	231.9	1258.9	630.5	247.1	1368	996	491	156.02
MEAN	1.16	2.42	5.54	7.61	8.00	40.6	21.0	7.97	45.6	32.1	15.8	5.20
MAX	2.6	8.0	21	8.4	8.4	60	56	30	61	50	24	21
MIN	.69	.65	2.0	4.7	7.7	7.7	2.5	2.5	31	12	11	.38
AC-FT	71	144	341	468	460	2500	1250	490	2710	1980	974	309

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	11.4	5.89	5.71	5.19	7.11	20.0	42.3	75.9	45.3	32.3	28.7	20.8
MAX	65.8	47.5	40.6	37.3	43.4	105	109	311	217	88.2	58.0	54.7
(WY)	1983	1974	1985	1985	1984	1986	1985	1984	1983	1989	1987	1984
MIN	.000	.000	.000	.000	.000	.000	.000	.000	6.39	2.14	3.92	.050
(WY)	1970	1966	1965	1965	1965	1967	1977	1977	1973	1983	1967	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	4474.76		5895.83			
ANNUAL MEAN	12.3		16.1		25.1	
HIGHEST ANNUAL MEAN					58.3	1984
LOWEST ANNUAL MEAN					3.89	1977
HIGHEST DAILY MEAN	90	May 17	61	Jun 22	740	May 15 1984
LOWEST DAILY MEAN	.00	Jan 1	.38	Sep 29	.00	Oct 22 1964
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.57	Sep 24	.00	Oct 22 1964
ANNUAL RUNOFF (AC-FT)	8880		11690		18220	
10 PERCENT EXCEEDS	43		48		65	
50 PERCENT EXCEEDS	2.3		8.0		7.8	
90 PERCENT EXCEEDS	.00		1.0		.00	

e Estimated

10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE¼NW¼NW¼ sec.21, T.15 N., R.120 W., Uinta County, Hydrologic Unit 16010101, on left bank 100 ft downstream from bridge on State Highway 89, in the City of Evanston.

DRAINAGE AREA.--433 mi².

PERIOD OF RECORD.--May 1984 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Apr 1 to May 19 and July 21 to Aug. 19. Records good except those for estimated daily discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

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	---	---	---	---	---	---	160	600	315	73	22	15
2	---	---	---	---	---	---	155	500	246	88	25	21
3	---	---	---	---	---	---	200	490	198	83	27	21
4	---	---	---	---	---	---	220	550	178	64	23	22
5	---	---	---	---	---	---	250	550	160	52	21	26
6	---	---	---	---	---	---	200	600	129	44	23	30
7	---	---	---	---	---	---	180	550	118	42	25	19
8	---	---	---	---	---	---	200	530	126	45	25	15
9	---	---	---	---	---	---	250	600	156	70	28	11
10	---	---	---	---	---	---	200	450	141	70	20	9.5
11	---	---	---	---	---	---	220	350	130	65	16	11
12	---	---	---	---	---	---	280	400	120	91	14	12
13	---	---	---	---	---	---	250	600	101	139	11	12
14	---	---	---	---	---	---	270	700	99	84	13	14
15	---	---	---	---	---	---	300	600	108	62	14	13
16	---	---	---	---	---	---	220	550	121	55	15	11
17	---	---	---	---	---	---	250	550	117	45	16	14
18	---	---	---	---	---	---	290	600	97	37	20	14
19	---	---	---	---	---	---	280	630	80	34	12	16
20	---	---	---	---	---	---	230	825	69	32	9.8	11
21	---	---	---	---	---	---	200	757	70	30	7.8	5.1
22	---	---	---	---	---	---	220	666	78	29	8.1	4.2
23	---	---	---	---	---	---	250	563	80	28	12	5.1
24	---	---	---	---	---	---	280	488	86	30	15	5.4
25	---	---	---	---	---	---	300	493	97	30	17	5.7
26	---	---	---	---	---	---	350	493	90	27	18	8.1
27	---	---	---	---	---	---	400	542	104	25	17	9.8
28	---	---	---	---	---	---	450	449	93	22	14	4.8
29	---	---	---	---	---	---	500	380	73	20	15	4.5
30	---	---	---	---	---	---	550	367	62	18	9.8	3.8
31	---	---	---	---	---	---	---	357	---	20	11	---
TOTAL	---	---	---	---	---	---	8105	16780	3642	1554	524.5	374.0
MEAN	---	---	---	---	---	---	270	541	121	50.1	16.9	12.5
MAX	---	---	---	---	---	---	550	825	315	139	28	30
MIN	---	---	---	---	---	---	155	350	62	18	7.8	3.8
AC-FT	---	---	---	---	---	---	16080	33280	7220	3080	1040	742

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)*

MEAN	---	---	---	---	---	---	340	691	729	149	71.3	67.0
MAX	---	---	---	---	---	---	602	1291	1890	411	181	225
(WY)	---	---	---	---	---	---	1985	1986	1986	1984	1984	1984
MIN	---	---	---	---	---	---	160	330	121	45.8	16.4	11.8
(WY)	---	---	---	---	---	---	1991	1990	1992	1988	1988	1988

SUMMARY STATISTICS	FOR 1992 WATER YEAR*		WATER YEARS 1984 - 1992*	
HIGHEST DAILY MEAN	825	May 20	3160	May 16 1984
LOWEST DAILY MEAN	3.8	Sep 30	3.8	Sep 30 1992
ANNUAL SEVEN-DAY MINIMUM	--		5.3	Aug 18 1988
INSTANTANEOUS PEAK FLOW	1050	May 20	3680	May 16 1984
INSTANTANEOUS PEAK STAGE	3.98	May 20	7.35	May 16 1984
10 PERCENT EXCEEDS	--		940	
50 PERCENT EXCEEDS	--		149	
90 PERCENT EXCEEDS	--		23	

* During period of operation.

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NE¼NW¼NW¼ sec. 29, T. 17 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi upstream from Woodruff Narrows Dam and 10 mi southeast of Woodruff.

DRAINAGE AREA.--752 mi².

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,455 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,150 ft³/s June 2, 1983, gage height, 6.17 ft; minimum, no flow several days during August and September 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 906 ft³/s May 20, gage height, 3.55 ft; minimum discharge, 0.50 ft³/s Sept. 1, 2.

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	18	59	e70	e66	e61	e96	128	446	190	26	4.5	.62
2	19	71	e78	e64	e60	e100	119	417	159	29	3.9	.66
3	17	61	e74	e63	e63	e115	121	337	131	32	3.4	.88
4	16	70	e70	e64	e68	e128	126	325	109	28	2.8	1.7
5	15	76	e64	e64	e64	e138	130	311	83	24	2.3	3.0
6	13	88	e70	e64	e65	e145	137	347	67	21	4.1	2.8
7	13	178	e70	e64	e69	e152	128	354	58	17	5.1	3.0
8	12	135	e68	e64	e70	e169	121	349	55	15	4.3	4.5
9	13	109	e66	e64	e74	e200	119	406	54	15	3.7	3.4
10	13	160	e67	e65	e72	e245	123	556	51	16	3.4	3.0
11	13	172	e69	e66	e71	e295	117	398	44	17	3.2	2.6
12	13	122	e70	e66	e73	e320	122	328	47	26	2.9	1.8
13	15	94	e68	e64	e71	e328	140	323	44	36	2.7	.95
14	15	98	e68	e64	e73	e329	137	465	41	41	3.3	.73
15	13	106	e64	e64	e72	e310	140	518	43	29	3.5	.90
16	13	80	e62	e64	e70	e280	152	456	45	25	2.8	2.6
17	12	96	e62	e64	e68	e250	139	436	43	21	2.9	3.4
18	11	93	e65	e63	e72	220	182	436	41	17	2.4	3.9
19	15	97	e66	e62	e73	184	210	404	35	15	2.3	4.0
20	21	89	e63	e60	e74	162	165	565	31	13	2.6	4.9
21	23	90	e60	e65	e74	150	139	691	28	13	3.0	5.8
22	25	91	e64	e68	e74	153	138	552	24	13	2.4	5.0
23	31	81	e66	e66	e75	162	170	449	23	11	1.7	3.0
24	42	87	e63	e66	e76	172	145	355	23	7.8	1.4	1.8
25	45	89	e61	e66	e76	152	121	316	25	6.4	1.4	1.5
26	44	103	e60	e68	e80	148	129	299	29	5.7	1.1	2.0
27	e43	107	e60	e69	e85	147	164	323	30	5.9	.98	2.7
28	e42	102	e60	e65	e90	160	222	299	31	5.8	1.1	3.3
29	e42	e87	e60	e64	e96	145	314	245	28	5.8	1.2	4.6
30	e43	e75	e65	e64	---	137	389	230	25	5.5	1.1	6.1
31	45	---	e67	e62	---	136	---	207	---	4.8	.81	---
TOTAL	715	2966	2040	2002	2109	5828	4687	12143	1637	547.7	82.29	85.14
MEAN	23.1	98.9	65.8	64.6	72.7	188	156	392	54.6	17.7	2.65	2.84
MAX	45	178	78	69	96	329	389	691	190	41	5.1	6.1
MIN	11	59	60	60	60	96	117	207	23	4.8	.81	.62
AC-FT	1420	5880	4050	3970	4180	11560	9300	24090	3250	1090	163	169

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1992, BY WATER YEAR (WY)

MEAN	78.7	74.6	73.1	69.5	87.2	162	354	819	866	182	51.1	54.2
MAX	437	198	181	147	312	627	671	1957	2564	870	340	288
(WY)	1983	1974	1984	1984	1986	1986	1969	1984	1986	1975	1983	1983
MIN	3.03	6.06	7.21	6.76	15.2	26.8	77.7	104	54.6	4.84	2.26	.49
(WY)	1965	1989	1989	1989	1989	1977	1977	1977	1992	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1962 - 1992	
ANNUAL TOTAL	53200		34842.13			
ANNUAL MEAN	146		95.2		239	
HIGHEST ANNUAL MEAN					583	1986
LOWEST ANNUAL MEAN					45.1	1977
HIGHEST DAILY MEAN	1440	Jun 14	691	May 21	3900	Jun 2 1983
LOWEST DAILY MEAN	11	Oct 18	.62	Sep 1	.00	Aug 23 1988
ANNUAL SEVEN-DAY MINIMUM	13	Oct 6	.91	Aug 28	.00	Aug 30 1988
ANNUAL RUNOFF (AC-FT)	105500		69110		173400	
10 PERCENT EXCEEDS	399		259		704	
50 PERCENT EXCEEDS	46		64		85	
90 PERCENT EXCEEDS	24		3.0		9.3	

e Estimated

10020200 WOODRUFF NARROWS RESERVOIR NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'10", long 111°00'55", in SE¼NW¼NW¼ sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, in gate house at Woodruff Narrows Dam on Bear River, 5.6 mi upstream from Wyoming-Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,405 ft above NGVD of 1929, from levels by Bureau of Reclamation.

REMARKS.--Records good except for estimated contents, which are poor. Reservoir formed by earthfill, rock-faced dam. Storage began Jan. 5, 1962. Total capacity, 28,000 acre-ft below spillway crest. Total capacity increased to 57,300 in 1980. Elevation of spillway is 6,454.50 ft; gage height, 50.4 ft. Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 64,310 acre-ft June 2, 1983, gage height, 53.5 ft; minimum observed, 880 acre-ft Sept. 15-25, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 52,500 acre-ft Apr. 8, gage height, 48.27 ft; minimum contents, 4,570 acre-ft Sept. 30, gage height, 13.24 ft.

CAPACITY TABLE (GAGE-HEIGHT, IN FEET, AND TOTAL CONTENTS, IN ACRE-FEET)

13.0	4,420	35.0	27,620
14.0	5,030	40.0	36,160
20.0	9,520	45.0	45,660
25.0	14,390	48.0	51,920
30.0	20,280	49.0	54,130

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24400	e27400	31100	34100	36900	40600	51300	50700	e42000	9750	6860	e5360
2	24500	e27600	31200	34100	37000	40900	51500	50800	e41200	9690	6800	5320
3	24500	e27900	31300	34200	37100	41200	51600	50900	e40000	9630	6750	5290
4	24500	e28000	31400	34300	37200	41600	51800	51000	e38800	9560	6730	5250
5	24500	e28100	31500	34400	37200	41900	51900	50800	e37200	9490	6690	5220
6	24500	e28300	31700	34500	37300	42200	52100	50400	e36000	9380	6590	5180
7	24500	e28400	31800	34600	37400	42600	52300	50200	e34800	9280	6530	5150
8	24400	e28500	32000	34700	37500	43000	52500	50300	e33000	9180	6460	5080
9	24400	e28600	32100	34800	37600	43300	52300	50300	e32000	9060	e6410	5020
10	e24400	e28700	32200	34900	37700	43700	52100	50500	e30400	8960	e6340	5000
11	e24400	e28700	32400	35000	37800	44100	51900	50600	e29200	8840	e6260	4980
12	e24400	e28800	32500	35100	37900	44500	51700	50600	e28000	8790	6220	4970
13	e24400	e28800	32600	35100	38100	44900	51500	e50600	e26000	8740	6170	4940
14	e24400	e28900	32700	35300	38200	45400	51300	e50700	e24800	8700	6120	4890
15	e24400	e28900	32700	35400	38300	45900	51100	e50800	e23600	e8650	6110	4860
16	e24400	e28900	32800	35500	38400	46600	50900	e50900	e22400	e8550	6070	4820
17	e24500	e29000	32900	35600	38600	47200	50700	e50900	e20800	e8450	6010	4790
18	e24500	e29100	33000	35600	38700	47700	50500	e50700	e18900	e8360	5980	4770
19	e24600	e29100	33100	35700	38800	48000	50400	e50400	e17800	e8260	5970	4760
20	e24800	e29200	33100	35800	39000	48300	50300	e49600	e16800	e8160	5940	4750
21	e24900	e29300	33200	35900	39100	48600	50100	e49000	e15200	8090	5850	4740
22	e25000	e29400	33300	36000	39200	48900	50000	e48400	e13600	7970	5770	4730
23	e25200	e29500	33400	36100	39300	49100	50000	e47200	11800	7840	5720	4710
24	e25500	e29700	33500	36200	39500	49400	50000	e46200	10900	7730	5660	4700
25	e25700	e30000	33500	36300	39600	49700	50100	e46100	10200	7610	5600	4690
26	e25900	30200	33600	36300	39800	49900	50100	e46000	10100	7490	5560	4670
27	e26200	30600	33700	36400	39900	50100	50200	e46000	10000	7360	5500	4640
28	e26400	30800	33800	36500	40100	50400	50200	e45300	9950	7240	5450	4620
29	e26700	30900	33800	36600	40300	50600	e50400	e44800	9860	7110	e5420	4590
30	e27000	31000	33900	36700	---	50900	e50600	e44000	9800	7000	e5390	4580
31	e27200	---	34000	36800	---	51100	---	e42800	---	6920	e5370	---
MAX	27200	31000	34000	36800	40300	51100	52500	51000	42000	9750	6860	5360
MIN	24400	27400	31100	34100	36900	40600	50000	42800	9800	6920	5370	4580
(#)	--	36.99	38.73	40.35	42.25	47.61	--	--	20.34	16.80	--	13.27
(*)	+2800	+3800	+3000	+2800	+3500	+10800	-500	-7800	-33000	-2880	-1550	-790

CAL YR 1991 (*) +27470
WTR YR 1992 (*) -19820

(#) Elevation, in feet, at end of month.
(*) Change in contents.
(e) No gage reading, contents interpolated.

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in NW¼NW¼ sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft downstream from Woodruff Narrows Dam, 1.6 mi upstream from Salt Creek, 5.4 mi upstream from Wyoming-Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi².

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft NGVD of 1929 (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to Sept. 26, 1962, at site 175 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft³/s June 2, 1983, gage height, 8.26 ft; no flow July 4, 5, 1962, Aug. 30, 31, Sept. 1, 2, 6, 7, 1979, Oct. 30, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,020 ft³/s May 18, gage height, 5.75 ft; minimum daily, 8.9 ft³/s Sept. 20, 21.

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	25	18	19	18	19	20	21	378	667	65	31	19
2	19	18	19	18	20	20	21	379	659	65	31	19
3	18	18	19	18	20	20	21	446	655	65	31	19
4	18	18	19	18	20	20	21	491	650	65	31	19
5	18	18	19	18	20	21	20	490	646	65	32	19
6	18	18	19	19	20	21	20	403	641	64	32	18
7	18	18	19	19	20	20	21	349	635	64	32	17
8	18	18	18	19	20	20	143	351	622	64	32	12
9	18	18	18	19	20	21	232	348	604	64	32	12
10	18	18	18	19	20	21	232	347	596	64	31	12
11	18	18	18	19	20	21	232	349	584	63	28	11
12	18	18	18	19	20	21	232	351	577	63	28	11
13	18	18	18	19	20	20	245	368	572	63	28	11
14	18	18	18	19	20	20	260	379	564	62	28	10
15	17	17	18	19	20	20	260	380	548	62	27	11
16	17	17	18	19	20	20	260	382	535	62	27	11
17	17	18	18	19	20	20	257	379	524	62	26	11
18	17	18	19	19	21	20	257	672	517	62	26	10
19	17	18	19	18	21	20	259	987	507	62	25	9.4
20	17	18	19	18	21	20	260	980	498	62	24	8.9
21	17	18	19	18	21	20	260	977	489	61	24	8.9
22	17	18	19	18	20	20	185	969	476	61	23	9.3
23	16	18	19	18	20	20	122	966	473	62	22	9.8
24	16	18	19	19	20	20	121	959	465	62	22	9.1
25	17	18	18	19	20	20	120	897	447	62	22	9.7
26	17	18	18	19	21	20	120	804	196	62	22	e10
27	17	18	18	19	21	20	147	799	68	62	22	e10
28	17	19	18	19	21	20	174	794	66	61	20	e10
29	17	19	18	19	20	20	174	789	65	61	18	e10
30	17	19	18	19	---	20	308	784	65	45	18	e10
31	18	---	18	18	---	20	---	708	---	31	19	---
TOTAL	548	541	572	578	586	626	5005	18655	14611	1898	814	367.1
MEAN	17.7	18.0	18.5	18.6	20.2	20.2	167	602	487	61.2	26.3	12.2
MAX	25	19	19	19	21	21	308	987	667	65	32	19
MIN	16	17	18	18	19	20	20	347	65	31	18	8.9
AC-FT	1090	1070	1130	1150	1160	1240	9930	37000	28980	3760	1610	728

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1992, BY WATER YEAR (WY)

MEAN	59.7	58.4	48.5	46.6	51.1	107	296	788	982	283	79.9	54.4
MAX	425	421	184	153	171	473	891	1828	2437	913	331	278
(WY)	1983	1983	1983	1985	1971	1972	1985	1984	1983	1975	1983	1983
MIN	3.89	.12	4.28	4.37	4.71	4.70	.34	27.8	396	20.0	3.91	3.65
(WY)	1990	1981	1978	1978	1978	1978	1977	1977	1977	1966	1979	1979

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1962 - 1992	
ANNUAL TOTAL	49280.8		44801.1			
ANNUAL MEAN	135		122		238	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	1380	May 28	987	May 19	3630	Jun 3 1983
LOWEST DAILY MEAN	8.8	May 25	8.9	Sep 20	.00	Jul 4 1962
ANNUAL SEVEN-DAY MINIMUM	14	Jan 1	9.3	Sep 19	.07	Nov 26 1980
ANNUAL RUNOFF (AC-FT)	97750		88860		172500	
10 PERCENT EXCEEDS	666		489		786	
50 PERCENT EXCEEDS	18		20		42	
90 PERCENT EXCEEDS	15		17		8.3	

e Estimated

10023000 BIG CREEK NEAR RANDOLPH, UT

LOCATION.--Lat 41°36'36", long 111°15'12", in NW¼NW¼NE¼ sec. 15, T. 10 W., R. 6 E., Rich County, Hydrologic Unit 16010101, on left bank 2.7 mi downstream from main forks and 5.2 mi southwest of Randolph.

DRAINAGE AREA.--52.4 mi².

PERIOD OF RECORD.--March 1939 to September 1944 (fragmentary), October 1949 to September 1970. October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above NGVD of 1929, from topographic map. March 1939 to September 1944 (fragmentary), at site 0.2 mi downstream at different datum, October 1949 to September 1959 at site 200 ft upstream at different datum, September 1959 to September 1970 at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 ft³/s July 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 ft³/s Aug. 4, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 23	1240	*9.9	*4.02				

Minimum daily discharge, 1.0 ft³/s Aug. 5, 14.

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	4.8	e4.6	e3.7	e4.4	e3.1	4.3	4.5	3.0	2.3	1.9	1.3	1.8
2	4.7	e4.1	e4.5	e4.3	e3.0	4.3	4.2	3.0	2.3	2.1	1.2	1.8
3	4.6	e4.2	e4.0	e4.1	e3.2	4.3	3.8	3.0	1.9	1.8	1.2	1.7
4	4.4	e4.8	e3.9	e4.6	e3.2	4.3	3.8	3.0	1.9	1.7	1.1	1.8
5	4.6	5.6	e3.8	e3.5	e3.1	4.4	3.8	3.0	1.8	1.6	1.0	2.0
6	4.6	5.5	e4.4	e5.3	e3.0	4.3	3.8	3.1	1.8	1.5	1.3	1.9
7	4.5	4.8	e5.0	e4.6	e3.0	4.3	3.8	3.2	1.9	1.8	1.3	1.7
8	4.8	4.4	e4.5	e4.0	e3.1	4.1	3.8	3.3	1.8	1.8	1.1	1.8
9	4.9	5.2	e4.0	e3.7	e3.1	4.1	3.9	3.6	1.9	1.7	1.1	1.8
10	5.0	5.7	e3.9	e4.0	e3.1	4.2	3.8	3.4	1.8	1.7	1.1	1.7
11	5.0	4.8	e4.1	e4.0	e3.2	4.5	3.9	3.1	2.0	1.7	1.1	1.8
12	5.0	4.5	e4.4	e3.8	e3.2	4.6	4.2	2.9	1.8	2.6	1.1	1.8
13	4.8	4.4	e4.4	e4.3	e3.1	5.0	4.0	2.9	1.7	2.5	1.1	1.8
14	4.8	4.5	e4.0	e4.8	e3.1	5.1	4.0	3.0	1.8	2.1	1.0	1.8
15	4.8	4.4	e3.9	e3.6	3.2	5.6	3.8	3.1	2.2	1.9	1.1	1.8
16	4.6	e4.4	e3.9	e3.6	3.5	5.4	3.8	2.9	2.2	1.7	1.4	1.8
17	4.5	e4.6	e3.8	e3.5	3.2	5.2	4.0	2.8	2.0	1.7	1.3	1.8
18	4.6	4.6	e4.2	e3.2	3.2	5.3	4.6	2.7	2.0	1.7	1.3	1.8
19	4.8	4.5	e4.8	e3.0	3.3	5.3	4.0	2.7	1.7	1.7	1.3	1.8
20	4.8	e4.4	e4.3	e2.9	3.5	5.3	4.0	2.7	1.7	1.7	1.2	1.8
21	5.1	e4.3	e3.9	e3.1	3.9	5.2	3.8	2.7	1.6	1.9	1.2	1.8
22	4.9	e4.2	e4.3	e3.0	3.9	5.3	3.8	3.0	1.5	1.7	1.3	1.8
23	7.8	e4.1	e4.5	e3.3	3.8	5.0	3.8	2.8	1.4	1.7	1.6	1.8
24	5.7	e4.6	e4.4	e3.4	3.5	4.8	3.6	2.7	1.4	1.6	1.5	1.9
25	5.3	e5.0	e4.3	e3.6	3.7	4.7	3.6	2.4	1.5	1.6	1.5	1.8
26	5.2	5.3	e4.3	e3.3	3.7	4.5	3.6	2.4	1.9	1.6	1.5	1.8
27	e4.9	5.3	e4.4	e3.1	4.1	4.7	3.3	2.4	2.8	1.4	1.5	1.8
28	e4.6	4.5	e4.3	e3.2	4.3	4.3	3.1	2.4	2.0	1.3	1.5	1.8
29	e4.3	e4.0	e4.3	e3.3	4.2	4.3	3.1	2.3	1.7	1.4	1.5	1.8
30	e4.0	e3.4	e4.7	e3.4	---	4.3	3.1	2.4	1.6	1.4	1.5	1.8
31	e4.3	---	e4.9	e3.3	---	4.2	---	2.4	---	1.3	1.7	---
TOTAL	150.7	138.7	131.8	115.2	98.5	145.2	114.3	88.3	55.9	53.8	39.9	54.1
MEAN	4.86	4.62	4.25	3.72	3.40	4.68	3.81	2.85	1.86	1.74	1.29	1.80
MAX	7.8	5.7	5.0	5.3	4.3	5.6	4.6	3.6	2.8	2.6	1.7	2.0
MIN	4.0	3.4	3.7	2.9	3.0	4.1	3.1	2.3	1.4	1.3	1.0	1.7
AC-FT	299	275	261	228	195	288	227	175	111	107	79	107

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1987-92, BY WATER YEAR (WY)

MEAN	12.0	11.0	9.91	8.92	8.83	9.75	15.6	29.3	21.6	15.5	13.0	11.9
MAX	26.3	25.9	23.7	23.4	22.6	22.6	42.3	95.4	62.2	40.3	31.8	28.4
(WY)	1952	1987	1987	1987	1987	1987	1951	1952	1952	1950	1950	1952
MIN	2.91	2.98	2.18	2.17	2.63	2.65	3.56	2.85	1.86	1.48	1.29	1.80
(WY)	1991	1991	1991	1991	1991	1991	1991	1992	1992	1961	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950-70, 1987-92	
ANNUAL TOTAL	1653.7		1186.4			
ANNUAL MEAN	4.53		3.24		14.0	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	15	Jun 3	7.8	Oct 23	140	May 18 1950
LOWEST DAILY MEAN	1.6	Jan 17	1.0	Aug 5	1.0	Aug 5 1992
ANNUAL SEVEN-DAY MINIMUM	1.8	Jan 15	1.1	Aug 8	1.1	Aug 8 1992
ANNUAL RUNOFF (AC-FT)	3280		2350		10130	
10 PERCENT EXCEEDS	6.4		4.8		27	
50 PERCENT EXCEEDS	4.4		3.3		10	
90 PERCENT EXCEEDS	2.3		1.5		4.0	

e Estimated

10026500 BEAR RIVER NEAR RANDOLPH, UT

LOCATION.--Lat 41°48'02", long 111°04'20", in SE¼NE¼ sec. 7, T. 12 N., R. 8 E., Rich County, Hydrologic Unit 16010101, on left bank 3.7 mi upstream from Twin Creek, 5.0 mi upstream from Utah-Wyoming State line, and 11 mi northeast of Randolph.

DRAINAGE AREA.--1,616 mi².

PERIOD OF RECORD.--December 1943 to September 1992 (discontinued). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from river-profile map. Prior to Aug. 17, 1971, 0.2 mi upstream at different datum. Aug. 17, 1971 to Sept. 30, 1986 at datum 10.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation of about 94,500 acres above station. Flow regulated by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,630 ft³/s June 4, 1983, gage height, 8.58 ft, datum then in use; minimum, 1.6 ft³/s Nov. 12, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 363 ft³/s June 9, gage height, 13.16 ft; minimum daily discharge, 3.7 ft³/s Aug. 23, 24.

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	58	e52	e34	e50	e43	e59	e57	e26	263	162	14	8.6
2	52	e50	e51	e52	e43	e60	e54	e26	267	173	17	9.5
3	49	e52	e49	e54	e47	e61	e52	e26	311	149	19	9.3
4	48	e60	e48	e51	e49	e61	e52	e26	313	121	18	7.8
5	47	e65	e48	e46	e51	e62	e50	e25	316	106	19	8.0
6	47	63	e53	e64	e53	e62	e43	e25	288	90	26	7.1
7	47	69	e56	e54	e52	e63	e41	e24	243	69	21	7.1
8	44	65	e53	e49	e51	e66	e40	e24	251	69	21	7.4
9	45	66	e52	e48	e50	e70	e42	e24	319	65	20	7.1
10	59	92	e49	e42	e51	e74	e41	e24	340	62	19	7.3
11	51	74	e51	e46	e52	e78	e51	e25	311	55	19	7.6
12	47	69	e52	e45	e51	e78	e73	e26	291	75	16	7.9
13	46	66	e52	e44	e51	e77	e83	e28	288	81	13	7.9
14	47	66	e51	e56	e52	e76	e82	28	280	57	11	7.6
15	47	65	e49	e45	e52	e75	e75	25	263	53	7.3	7.9
16	46	82	e48	e46	e48	e74	e63	24	263	50	6.5	7.7
17	45	68	e49	e46	e47	e74	e54	19	250	47	5.9	7.8
18	44	66	e53	e41	e48	e74	e46	20	224	47	5.9	7.8
19	42	66	e56	e37	e50	68	e42	21	221	46	4.9	7.6
20	42	64	e49	e38	e54	e68	e39	27	214	50	3.8	7.1
21	42	65	e46	e44	e56	e63	e35	39	207	46	3.8	7.0
22	42	e62	e52	e44	e56	e63	e32	83	196	41	3.9	6.8
23	46	e60	e54	e49	e55	63	e31	145	177	39	3.7	6.7
24	46	e64	e52	e51	e55	e61	e30	183	165	32	3.7	7.7
25	44	e67	e50	e58	e55	e60	e29	225	149	28	4.8	8.1
26	44	e61	e50	e53	e55	e60	e28	238	178	25	5.2	8.0
27	48	e56	e49	e49	e56	e59	e28	234	209	22	5.6	7.6
28	53	e48	e49	e44	e56	e60	e27	232	233	23	6.1	7.4
29	54	e43	e49	e46	e57	e58	e27	198	211	37	5.8	7.4
30	52	e38	e54	e48	---	e59	e26	228	178	27	6.6	7.4
31	e50	---	e56	e48	---	e61	---	235	---	18	8.1	---
TOTAL	1474	1884	1564	1488	1496	2047	1373	2533	7419	1965	344.6	230.2
MEAN	47.5	62.8	50.5	48.0	51.6	66.0	45.8	81.7	247	63.4	11.1	7.67
MAX	59	92	56	64	57	78	83	238	340	173	26	9.5
MIN	42	38	34	37	43	58	26	19	149	18	3.7	6.7
AC-FT	2920	3740	3100	2950	2970	4060	2720	5020	14720	3900	684	457

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1992, BY WATER YEAR (WY)

MEAN	76.5	90.8	80.2	78.6	97.7	209	383	491	632	216	79.9	52.9
MAX	463	475	305	195	273	843	1079	1844	2464	800	409	378
(WY)	1983	1983	1983	1985	1986	1972	1969	1952	1983	1975	1983	1983
MIN	5.91	7.37	17.9	18.3	25.4	23.5	10.8	8.62	26.9	6.48	3.50	5.35
(WY)	1978	1962	1978	1962	1978	1977	1990	1990	1961	1977	1961	1960

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1945 - 1992	
ANNUAL TOTAL	29976.3		23817.8			
ANNUAL MEAN	82.1		65.1		208	
HIGHEST ANNUAL MEAN					586	1983
LOWEST ANNUAL MEAN					22.8	1961
HIGHEST DAILY MEAN	1240	Jun 5	340	Jun 10	3500	Jun 4 1983
LOWEST DAILY MEAN	5.2	May 24	3.7	Aug 23	2.2	Aug 23 1961
ANNUAL SEVEN-DAY MINIMUM	6.1	May 21	4.1	Aug 19	2.6	Aug 19 1961
ANNUAL RUNOFF (AC-FT)	59460		47240		150700	
10 PERCENT EXCEEDS	189		174		560	
50 PERCENT EXCEEDS	47		50		81	
90 PERCENT EXCEEDS	12		7.8		17	

e Estimated

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in SE¼SE¼ sec. 25, T. 23 N., R. 120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft downstream from Pixley Dam, 11 mi south of Cokeville, and 17.5 mi downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi².

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (seasonal only). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,185 ft above NGVD of 1929, from river-profile map. Oct. 31, 1941 to Nov. 30, 1943, at site 200 ft downstream at different datum.

REMARKS.--Records good, except for estimated daily discharges, which are poor. Natural flow of stream affected by diversions for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft³/s Mar. 25, 1956; minimum recorded, 0.24 ft³/s Apr. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 150 ft³/s July 2; minimum daily, 1.7 ft³/s May 18-21.

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	---	---	---	---	---	---	34	2.8	44	e95	39	10
2	---	---	---	---	---	---	33	2.8	47	e150	34	11
3	---	---	---	---	---	---	32	2.7	52	e130	33	13
4	---	---	---	---	---	---	30	2.7	63	e115	35	14
5	---	---	---	---	---	---	28	2.5	74	e100	34	14
6	---	---	---	---	---	---	27	2.4	81	e105	34	14
7	---	---	---	---	---	---	26	2.2	82	e108	41	14
8	---	---	---	---	---	---	26	2.1	79	e102	37	13
9	---	---	---	---	---	---	25	2.3	77	e98	37	12
10	---	---	---	---	---	---	24	2.1	77	e99	36	13
11	---	---	---	---	---	---	23	1.9	103	e104	35	12
12	---	---	---	---	---	---	20	2.0	143	e106	34	13
13	---	---	---	---	---	---	15	2.2	141	e102	31	13
14	---	---	---	---	---	---	2.0	2.1	128	e109	28	13
15	---	---	---	---	---	---	4.4	2.0	122	e116	26	13
16	---	---	---	---	---	---	3.7	1.9	113	e120	24	12
17	---	---	---	---	---	---	4.8	1.9	105	e112	23	12
18	---	---	---	---	---	---	5.7	1.7	97	e102	23	11
19	---	---	---	---	---	98	4.9	1.7	92	e94	22	11
20	---	---	---	---	---	89	4.1	1.7	81	e88	22	11
21	---	---	---	---	---	72	3.8	1.7	83	e94	22	11
22	---	---	---	---	---	63	4.5	1.8	89	86	21	11
23	---	---	---	---	---	67	4.7	1.8	72	78	20	12
24	---	---	---	---	---	67	4.6	1.9	65	71	19	12
25	---	---	---	---	---	65	4.4	2.2	56	62	19	12
26	---	---	---	---	---	49	3.8	8.1	57	55	19	12
27	---	---	---	---	---	30	3.3	17	e63	50	13	12
28	---	---	---	---	---	33	3.0	20	e62	46	6.2	14
29	---	---	---	---	---	38	2.8	24	e60	44	6.6	13
30	---	---	---	---	---	37	2.7	40	e64	56	7.0	13
31	---	---	---	---	---	35	---	44	---	50	9.6	---
TOTAL	---	---	---	---	---	---	410.2	206.2	2472	2847	790.4	371
MEAN	---	---	---	---	---	---	13.7	6.65	82.4	91.8	25.5	12.4
MAX	---	---	---	---	---	---	34	44	143	150	41	14
MIN	---	---	---	---	---	---	2.0	1.7	44	44	6.2	10
AC-FT	---	---	---	---	---	---	814	409	4900	5650	1570	736

e Estimated

10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE¼SW¼SW¼ sec. 28, T. 27 N., R. 118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.9 mi upstream from Howland Creek, 5.6 mi downstream from Hobble Creek, and 12.4 mi northeast of Border.

DRAINAGE AREA.--165 mi².

PERIOD OF RECORD.--May 1942 to current year.

REVISED RECORDS.--WSP 1734: 1952(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above NGVD of 1929, from topographic map. Prior to Oct. 16, 1945, at site 1.2 mi downstream at different datum. Oct. 16, 1945 to Nov. 1986 at site 0.4 mi downstream at different datum.

REMARKS.--Records good, except for estimated daily discharges, which are poor. One diversion for irrigation of about 200 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft³/s June 4, 1986, gage height, 5.66 ft; minimum, 21 ft³/s Mar. 29, 1975, Jan. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 333 ft³/s May 21, gage height, 2.85 ft; minimum daily, 51 ft³/s Jan. 20, Feb. 9.

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	86	80	e56	e67	e57	62	95	265	236	139	90	76
2	85	80	e70	e60	e59	64	101	258	239	139	90	74
3	85	81	e70	e56	e62	64	109	257	231	133	91	72
4	85	e81	e62	e60	e63	67	123	273	228	128	92	76
5	85	81	e63	e66	e62	70	129	280	222	126	89	77
6	85	89	e66	68	e60	68	119	283	215	124	88	74
7	84	86	69	65	e58	69	112	302	211	122	88	73
8	84	80	68	66	e55	70	113	305	204	120	86	72
9	83	84	e65	e62	51	70	114	e309	199	118	84	71
10	83	85	e67	e58	53	68	128	e298	199	115	83	70
11	83	79	e70	e63	54	70	133	273	186	115	84	70
12	82	78	e74	e62	57	72	133	263	187	125	81	69
13	82	78	78	e62	58	76	139	267	179	123	80	68
14	81	78	e73	e62	56	79	146	265	175	116	80	68
15	81	76	e70	e78	55	81	155	264	181	113	80	67
16	81	72	e77	e70	55	80	155	267	183	109	82	66
17	80	70	e81	e64	55	79	177	273	185	108	84	66
18	79	77	e82	e58	55	80	202	283	167	106	88	66
19	79	73	e74	e55	54	77	171	298	174	105	81	65
20	78	67	e70	e51	55	73	160	299	163	108	80	65
21	78	76	e72	e53	55	72	160	304	158	111	78	64
22	79	71	e77	e57	56	73	167	317	153	105	77	64
23	96	71	e75	e62	55	75	162	300	148	103	76	63
24	81	94	e73	65	55	73	152	294	143	101	75	66
25	80	73	e70	68	57	73	151	294	144	99	75	68
26	80	72	e68	e66	60	77	156	287	154	98	75	66
27	89	71	e67	e61	58	80	177	282	156	97	75	65
28	81	69	e67	e60	57	84	206	275	148	96	73	64
29	77	e63	e68	64	59	85	232	264	138	94	73	64
30	82	e58	e73	e62	---	88	259	260	137	93	72	64
31	93	---	e79	e59	---	94	---	247	---	91	73	---
TOTAL	2567	2293	2194	1930	1646	2313	4536	8706	5443	3480	2523	2053
MEAN	82.8	76.4	70.8	62.3	56.8	74.6	151	281	181	112	81.4	68.4
MAX	96	94	82	78	63	94	259	317	239	139	92	77
MIN	77	58	56	51	51	62	95	247	137	91	72	63
AC-FT	5090	4550	4350	3830	3260	4590	9000	17270	10800	6900	5000	4070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

MEAN	92.2	79.6	70.2	64.3	61.3	62.3	162	545	630	296	154	109
MAX	156	113	88.4	85.0	82.8	99.4	385	956	1377	602	242	166
(WY)	1987	1986	1983	1983	1984	1986	1946	1982	1986	1975	1983	1986
MIN	51.0	50.7	48.4	40.1	38.1	39.5	58.6	99.1	96.2	61.4	55.1	52.1
(WY)	1978	1978	1988	1988	1988	1988	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	56059		39684			
ANNUAL MEAN	154		108		194	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					71.1	1977
HIGHEST DAILY MEAN	779	Jun 8	317	May 22	2000	Jun 4 1986
LOWEST DAILY MEAN	40	Jan 22	51	Jan 20	34	Jan 2 1988
ANNUAL SEVEN-DAY MINIMUM	44	Jan 20	55	Feb 8	36	Feb 23 1988
ANNUAL RUNOFF (AC-FT)	111200		78710		140800	
10 PERCENT EXCEEDS	410		229		521	
50 PERCENT EXCEEDS	88		80		91	
90 PERCENT EXCEEDS	49		60		59	

e Estimated

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW¼SE¼NE¼ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi².

PERIOD OF RECORD.--April 1954 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversion for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,620 ft³/s June 7, 1983, gage height, 8.75 ft; minimum, 31 ft³/s Oct. 4, 5, 6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 499 ft³/s Mar. 8, gage height, 3.76 ft; minimum discharge, 76 ft³/s Sept. 22, 23.

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	131	183	e135	e145	e128	218	182	216	260	256	104	91
2	166	161	185	e145	e125	228	179	214	264	393	86	90
3	161	154	172	e145	121	281	187	210	273	363	81	84
4	150	201	e175	143	e135	371	200	219	301	324	77	93
5	148	202	e155	148	e140	401	205	211	320	291	81	105
6	150	229	e145	155	e140	429	198	220	335	271	82	99
7	145	241	e160	158	e140	451	185	242	353	277	82	96
8	124	216	e158	e142	e140	479	180	261	340	327	90	91
9	122	248	e148	e130	e140	467	172	283	334	271	79	90
10	128	242	e138	e122	e160	422	183	287	321	258	78	85
11	133	234	e140	e120	e148	372	200	263	316	300	95	86
12	142	228	e145	e120	e155	352	188	242	357	317	93	92
13	139	218	e148	e125	e150	328	189	238	403	306	91	90
14	135	248	e138	e135	e155	326	190	260	390	349	87	99
15	136	224	e132	e145	154	324	186	266	388	302	85	92
16	135	207	e128	e145	154	310	196	260	381	263	85	89
17	135	194	e126	e135	154	283	205	256	371	233	88	84
18	133	216	e131	e125	155	266	272	259	354	208	88	89
19	124	212	e137	e120	156	253	242	259	336	194	83	86
20	123	200	e126	e115	151	235	219	272	314	198	83	81
21	124	214	e124	e130	153	219	213	283	296	173	80	81
22	125	196	e128	e140	155	177	208	324	293	165	88	79
23	194	156	e131	e145	158	173	229	295	273	152	91	78
24	181	176	e137	e145	163	179	223	280	249	140	91	85
25	165	209	e136	e140	162	176	207	271	239	127	89	89
26	177	218	e135	e140	185	174	189	259	249	120	87	88
27	179	213	e131	e140	195	165	189	251	252	112	90	86
28	174	190	e131	e140	210	160	201	256	247	101	86	84
29	165	179	e131	e138	208	169	210	249	235	96	77	83
30	161	152	e135	e135	---	181	222	255	237	94	85	81
31	161	---	142	e135	---	182	---	270	---	106	86	---
TOTAL	4566	6161	4383	4246	4490	8751	6049	7931	9281	7087	2668	2646
MEAN	147	205	141	137	155	282	202	256	309	229	86.1	88.2
MAX	194	248	185	158	210	479	272	324	403	393	104	105
MIN	122	152	124	115	121	160	172	210	235	94	77	78
AC-FT	9060	12220	8690	8420	8910	17360	12000	15730	18410	14060	5290	5250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1992, BY WATER YEAR (WY)

MEAN	224	234	204	184	212	375	715	1024	1250	583	238	202
MAX	755	692	536	344	429	1159	1945	2794	3712	1556	707	658
(WY)	1983	1983	1983	1984	1986	1986	1985	1984	1983	1983	1983	1983
MIN	55.6	83.1	96.5	94.7	91.0	116	69.2	115	96.7	71.4	80.1	55.9
(WY)	1978	1978	1978	1978	1988	1988	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1955 - 1992	
ANNUAL TOTAL	89186		68259			
ANNUAL MEAN	244		186		454	
HIGHEST ANNUAL MEAN					1049	1984
LOWEST ANNUAL MEAN					112	1977
HIGHEST DAILY MEAN	1870	Jun 7	479	Mar 8	5400	Jun 7 1983
LOWEST DAILY MEAN	90	Jan 19	77	Aug 4	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	94	Jan 25	81	Aug 4	36	Oct 1 1977
ANNUAL RUNOFF (AC-FT)	176900		135400		328900	
10 PERCENT EXCEEDS	483		307		1120	
50 PERCENT EXCEEDS	154		165		225	
90 PERCENT EXCEEDS	100		88		115	

e Estimated

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼NE¼ sec. 15, T. 14 S., R. 46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft NGVD of 1929, unadjusted.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft³/s June 7, 1983, gage height, 9.69 ft; minimum, 24 ft³/s Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 456 ft³/s Mar. 8, gage height, 2.94 ft; minimum daily discharge, 33 ft³/s Aug. 15.

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	141	e170	e147	e143	e127	e204	160	210	197	207	91	41
2	160	e187	e180	e144	e123	e211	156	210	197	283	77	40
3	172	e183	e180	e145	e124	e250	159	194	200	313	72	39
4	158	e187	e180	e148	e129	e350	171	204	214	284	67	40
5	156	e216	e160	e150	e130	e390	180	199	227	260	66	61
6	159	e218	e150	e152	e138	e415	183	194	238	242	67	103
7	155	246	e165	e156	e139	e440	173	209	254	251	63	98
8	148	226	e160	e153	e141	456	166	212	251	276	53	92
9	132	239	e150	e135	e148	443	163	212	245	255	49	88
10	141	250	e140	e127	e153	419	164	232	237	226	46	84
11	141	235	e145	e122	e152	378	180	218	227	253	44	83
12	147	237	e150	e123	e152	359	171	202	248	297	34	87
13	146	226	e150	e128	e151	342	169	205	284	293	34	87
14	142	241	e140	e133	e150	335	171	217	285	298	34	89
15	140	238	e132	e142	e152	334	168	221	284	297	33	89
16	141	219	e132	e139	e153	332	179	221	302	244	34	88
17	142	208	e126	e130	e150	311	186	217	294	235	36	87
18	139	214	e133	e124	e154	297	233	216	281	227	36	85
19	133	220	e140	e120	e163	284	233	213	268	213	38	88
20	132	206	e130	e121	e151	268	211	220	252	214	38	85
21	131	214	e125	e128	e152	252	202	227	240	200	38	85
22	132	e200	e130	e137	e154	224	186	255	235	189	36	85
23	174	e172	e135	e144	e159	204	204	243	224	175	36	83
24	189	e170	e140	e145	e162	211	209	229	204	159	38	86
25	176	e200	e140	e141	e165	206	222	221	195	151	39	89
26	180	e223	e135	e142	e172	203	202	216	197	137	38	89
27	186	e210	e135	e143	e179	203	198	203	205	126	38	89
28	189	e193	e135	e143	e189	191	202	206	202	110	39	86
29	179	e175	e135	e140	e190	196	209	194	196	93	37	85
30	e166	e160	e140	e139	---	204	213	191	197	88	37	79
31	e156	---	e143	e135	---	202	---	201	---	89	39	---
TOTAL	4783	6283	4483	4272	4402	9114	5623	6612	7080	6685	1427	2410
MEAN	154	209	145	138	152	294	187	213	236	216	46.0	80.3
MAX	189	250	180	156	190	456	233	255	302	313	91	103
MIN	131	160	125	120	123	191	156	191	195	88	33	39
AC-FT	9490	12460	8890	8470	8730	18080	11150	13110	14040	13260	2830	4780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1992, BY WATER YEAR (WY)

MEAN	211	228	202	185	212	389	769	1022	1145	505	218	178
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	51.4	81.2	106	94.4	88.8	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1978	1988	1988	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1938 - 1992	
ANNUAL TOTAL	85044		63174			
ANNUAL MEAN	233		173		439	
HIGHEST ANNUAL MEAN					1068	1983
LOWEST ANNUAL MEAN					103	1977
HIGHEST DAILY MEAN	1760	Jun 8	456	Mar 8	4840	Jun 8 1983
LOWEST DAILY MEAN	78	Aug 25	33	Aug 15	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	91	Aug 21	34	Aug 12	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	168700		125300		317900	
10 PERCENT EXCEEDS	442		253		1120	
50 PERCENT EXCEEDS	150		167		225	
90 PERCENT EXCEEDS	103		82		112	

e Estimated

10039500 BEAR RIVER AT BORDER, WY--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to current year. Prior to 1981 water year, published in "Water Resources Data for Wyoming."

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to September 1976, January 1978 to September 1981.
WATER TEMPERATURES: October 1965 to September 1976, January 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,580 microsiemens Dec. 27, 1975; minimum daily, 312 microsiemens Apr. 3, 1969.
WATER TEMPERATURES: Maximum, 23.5°C Aug. 14, 1980; minimum, 0.0°C on many days during winter periods.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
NOV 07...	1145	253	610	8.2	9.5	2.0	15	8.7	610	92	180	270
MAR 24...	1230	210	680	8.4	9.5	7.5	13	9.3	605	K15	69	290
MAY 14...	1145	216	540	8.4	19.0	16.0	6.7	9.7	607	4	9	250
JUN 17...	1300	299	780	8.4	16.0	16.0	48	9.4	607	72	56	330
SEP 02...	1400	39	570	8.3	23.0	16.5	2.5	8.6	608	K18	K10	270

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV 07...	66	25	25	17	0.7	1.8	--	255	209	73	28	0.2
MAR 24...	73	27	31	19	0.8	2.2	2	275	229	87	38	0.2
MAY 14...	67	20	20	15	0.6	1.6	0	248	203	63	26	0.2
JUN 17...	64	40	46	23	1	3.7	3	359	299	68	54	0.3
SEP 02...	67	24	22	15	0.6	1.7	2	232	194	77	27	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV 07...	8.4	351	371	0.48	240	1.25	1.15	0.05	0.05	1.30	1.20	0.10
MAR 24...	8.7	438	405	0.60	248	--	--	<0.01	<0.01	--	--	0.06
MAY 14...	6.9	327	327	0.44	191	--	--	<0.01	<0.01	<0.05	<0.05	0.01
JUN 17...	14	467	471	0.64	377	0.07	--	0.01	<0.01	0.08	0.08	0.05
SEP 02...	7.2	337	343	0.46	35.9	--	--	<0.01	<0.01	<0.05	<0.05	0.03

K Results based on colony counts outside acceptable range (non-ideal colony count).

10039500 BEAR RIVER AT BORDER, WY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV 07...	0.10	0.13	0.40	0.50	1.8	8.0	0.57	0.47	0.48	0.46	1.4
MAR 24...	0.05	0.06	0.34	0.40	--	--	0.05	0.03	0.03	0.03	0.09
MAY 14...	0.01	0.01	0.29	0.30	--	--	0.05	0.01	0.01	<0.01	--
JUN 17...	0.04	0.05	0.85	0.90	0.98	4.3	0.11	0.03	0.02	0.01	0.03
SEP 02...	0.01	0.01	--	<0.20	--	--	<0.01	0.03	0.01	<0.01	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 07...	1145	10	96	<3	9	17	12
MAR 24...	1230	100	94	<3	140	19	49
JUN 17...	1300	20	110	<3	26	25	26
SEP 02...	1400	20	82	<3	13	13	21

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 07...	<10	1	<1	<1.0	480	<6
MAR 24...	<10	2	<1	<1.0	560	<6
JUN 17...	<10	1	<1	<1.0	520	<6
SEP 02...	<10	<1	<1	<1.0	650	<6

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV 07...	1145	253	2.0	57	59	40
MAR 24...	1230	210	7.5	92	34	19
MAY 14...	1145	216	16.0	--	71	41
JUN 17...	1300	299	16.0	--	60	48
SEP 02...	1400	39	16.5	--	23	2.4

10041000 THOMAS FORK NEAR WYOMING-IDAHO STATE LINE

LOCATION.--Lat 42°24'10", long 111°01'30", in SE¼NW¼ sec. 19, T. 28 N., R. 119 W., Lincoln County, Wyoming, Hydrologic Unit 16010102, on right bank 1.3 mi upstream from Wyoming-Idaho State line, 1.5 mi downstream from Giraffe Creek, and 3.5 mi northeast of Geneva, Idaho.

DRAINAGE AREA.--113 mi².

PERIOD OF RECORD.--October 1949 to September 1992 (discontinued).

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,280 ft above NGVD of 1929, from topographic map. Prior to Aug. 23, 1957, at site 0.2 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft³/s May 15, 1984, gage height, 5.00 ft; minimum, 2.6 ft³/s Mar. 2, 1956, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 17	2300	*94	*1.39				

Minimum, 5.4 ft³/s Aug. 15.

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	15	13	e12	e12	e13	e17	33	43	24	17	7.2	8.6
2	14	e12	e13	e12	e12	e18	33	41	24	20	7.2	8.3
3	14	e12	e13	e12	e13	e19	35	39	23	17	7.6	7.8
4	13	e12	e12	e12	e13	e20	37	39	22	15	8.1	8.8
5	13	e12	e13	e12	e13	e21	38	38	22	14	7.3	10
6	13	e15	e13	e13	e12	e23	34	37	22	13	7.3	9.3
7	13	e19	e12	e14	e13	e26	31	38	22	13	7.4	8.9
8	13	16	e12	e14	e12	e28	31	38	21	13	6.9	8.4
9	13	18	e12	e14	e12	e29	31	43	21	13	6.6	8.2
10	13	18	e12	e13	e13	e32	36	40	20	12	6.4	7.9
11	13	15	e12	e13	e12	e34	40	36	20	12	6.1	7.8
12	13	14	e12	e13	e13	e33	38	34	20	15	6.2	8.2
13	13	14	e13	e12	e12	e33	40	36	19	15	6.1	8.0
14	13	15	e12	e12	e12	e30	42	36	19	14	5.9	7.9
15	13	14	e12	e13	e13	e29	44	33	21	12	6.0	7.9
16	13	16	e12	e13	e12	e28	43	33	22	11	7.5	7.5
17	13	17	e12	e13	e12	e27	58	30	25	10	8.6	7.4
18	13	14	e12	e13	e12	e27	70	30	21	9.8	9.1	7.5
19	13	13	e12	e12	e12	e27	51	29	20	9.6	8.0	7.4
20	13	e13	e12	e12	e12	e26	46	30	19	10	7.5	7.5
21	13	14	e12	e13	e12	e25	45	35	18	13	7.5	7.2
22	13	e13	e12	e13	e13	e24	52	39	17	11	7.1	7.1
23	e12	e13	e12	e13	e13	e24	50	32	16	9.6	7.4	7.1
24	e14	e13	e12	e13	e14	e24	44	29	16	9.1	7.3	7.9
25	15	e14	e13	e14	e14	26	42	30	16	8.8	7.4	7.9
26	15	e14	e12	e13	e15	28	42	30	19	8.8	7.6	8.1
27	e14	e13	e12	e13	e15	32	43	28	23	8.4	7.9	7.7
28	e14	e13	e13	e13	e16	34	45	27	22	8.3	7.5	7.4
29	15	e12	e13	e12	e16	33	45	27	17	8.1	7.3	7.4
30	e13	e12	e13	e13	---	33	45	27	17	7.5	7.3	7.1
31	e12	---	e13	e13	---	33	---	26	---	7.4	8.2	---
TOTAL	414	423	382	397	376	843	1264	1053	608	365.4	225.5	238.2
MEAN	13.4	14.1	12.3	12.8	13.0	27.2	42.1	34.0	20.3	11.8	7.27	7.94
MAX	15	19	13	14	16	34	70	43	25	20	9.1	10
MIN	12	12	12	12	12	17	31	26	16	7.4	5.9	7.1
AC-FT	821	839	758	787	746	1670	2510	2090	1210	725	447	472

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

MEAN	18.3	16.7	15.7	14.6	15.0	19.3	99.5	256	109	43.8	24.5	19.4
MAX	34.6	28.2	29.3	21.2	27.3	54.1	379	630	275	85.2	48.4	38.1
(WY)	1987	1984	1956	1984	1963	1986	1986	1986	1983	1975	1983	1986
MIN	7.91	8.61	9.17	9.42	9.00	9.10	17.8	14.6	9.57	7.20	7.02	6.92
(WY)	1978	1978	1986	1963	1955	1955	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	10936		6589.1			
ANNUAL MEAN	30.0		18.0		54.6	
HIGHEST ANNUAL MEAN					130	1986
LOWEST ANNUAL MEAN					12.5	1977
HIGHEST DAILY MEAN	142	May 18	70	Apr 18	1450	May 15 1984
LOWEST DAILY MEAN	10	Jan 3	5.9	Aug 14	4.9	Aug 17 1977
ANNUAL SEVEN-DAY MINIMUM	11	Jan 3	6.2	Aug 9	5.1	Aug 11 1977
ANNUAL RUNOFF (AC-FT)	21690		13070		39550	
10 PERCENT EXCEEDS	86		36		125	
50 PERCENT EXCEEDS	17		13		19	
90 PERCENT EXCEEDS	12		7.6		11	

e Estimated

10044300 DINGLE INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°12'20", long 111°16'08", in SE¼SE¼NE¼ sec. 14, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on left bank 1 mi south of Dingle.

PERIOD OF RECORD.--June 1911 to current year. Prior to 1986, not published, records available from Utah Power & Light Co.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--7 years, 13.8 ft³/s, 10,000 acre-ft/yr.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 650 ft³/s Apr. 29, 1916; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 24 ft³/s Mar. 24 - Apr. 3; no flow Oct. 18, 19.

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	21	4.8	e9.6	e14	e18	e21	e24	3.0	1.5	1.6	6.6	1.0
2	14	4.9	e9.7	e14	e18	e21	e24	2.4	1.6	1.8	6.9	2.5
3	9.9	5.1	e9.8	e14	e18	e21	e24	2.6	1.5	1.9	5.9	3.0
4	8.5	5.2	e10	e15	e18	e21	e23	3.1	1.7	2.1	11	3.2
5	7.2	5.3	e10	e15	e18	e21	e22	3.2	1.9	1.9	14	3.2
6	5.9	5.5	e10	e15	e18	e22	e21	3.1	2.1	1.7	14	3.0
7	5.2	5.6	e10	e15	e18	e22	e21	2.9	1.9	1.7	15	3.6
8	4.8	5.8	e11	e15	e19	e22	e20	2.4	1.7	1.4	15	2.3
9	5.0	e6.3	e11	e15	e19	e22	e19	2.1	1.6	1.2	17	1.2
10	4.4	e6.5	e11	e15	e19	e22	e19	1.9	1.6	1.1	18	1.2
11	3.7	e6.6	e11	e15	e19	e22	e18	1.9	1.4	1.2	15	1.4
12	3.1	e6.8	e11	e16	e19	e22	e17	1.8	1.3	1.5	18	1.7
13	2.3	e6.9	e11	e16	e19	e22	e16	2.0	1.2	2.1	13	1.6
14	1.8	e7.0	e11	e16	e19	e22	e16	1.9	1.4	2.0	12	1.5
15	1.3	e7.2	e12	e16	e19	e23	e15	2.1	1.8	1.7	20	1.4
16	.80	e7.3	e12	e16	e19	e23	e14	2.6	1.7	1.8	13	1.4
17	.27	e7.5	e12	e16	e20	e23	e13	2.4	1.8	1.8	5.4	1.3
18	.00	e7.6	e12	e16	e20	e23	e13	2.5	1.9	1.9	3.6	1.4
19	.00	e7.8	e12	e16	e20	e23	e12	2.4	1.8	1.9	3.0	1.5
20	1.6	e7.9	e12	e16	e20	e23	e11	2.7	1.8	1.9	2.2	1.6
21	1.3	e8.1	e13	e17	e20	e23	e10	2.7	1.8	1.9	1.9	1.6
22	1.2	e8.2	e13	e17	e20	e23	e9.6	2.5	1.8	2.0	1.2	1.7
23	.90	e8.4	e13	e17	e20	e23	e8.9	2.1	1.8	6.6	.89	1.6
24	5.0	e8.5	e13	e17	e20	e24	e8.2	1.9	1.7	13	.88	1.7
25	4.3	e8.7	e13	e17	e20	e24	e7.4	1.5	1.7	8.9	.45	1.6
26	4.9	e8.8	e13	e17	e21	e24	e6.7	1.4	1.6	2.3	.64	1.4
27	4.7	e9.0	e13	e17	e21	e24	e6.0	1.2	1.6	2.9	.82	1.2
28	4.8	e9.1	e14	e17	e21	e24	e5.2	.90	1.4	2.2	.87	1.0
29	4.6	e9.3	e14	e17	e21	e24	e4.5	.83	1.3	3.4	.70	.76
30	3.8	e9.4	e14	e18	---	e24	e3.7	.75	1.4	3.2	.75	.50
31	4.0	---	e14	e18	---	e24	---	1.2	---	8.6	.84	---
TOTAL	140.27	215.1	365.1	495	561	702	432.2	65.98	49.3	89.2	238.54	52.06
MEAN	4.52	7.17	11.8	16.0	19.3	22.6	14.4	2.13	1.64	2.88	7.69	1.74
MAX	21	9.4	14	18	21	24	24	3.2	2.1	13	20	3.6
MIN	.00	4.8	9.6	14	18	21	3.7	.75	1.2	1.1	.45	.50
AC-FT	278	427	724	982	1110	1390	857	131	98	177	473	103

CAL YR 1991 TOTAL 4285.48 MEAN 11.7 MAX 44 MIN .00 AC-FT 8500
WTR YR 1992 TOTAL 3405.75 MEAN 9.31 MAX 24 MIN .00 AC-FT 6760

e Estimated

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW¼SW¼SE¼ sec. 3, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above NGVD of 1929, (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Canal diverts from Bear River at Stewart Dam in NE¼ sec. 34, T. 13 S., R. 44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--70 years, 362 ft³/s, 262,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft³/s May 27 1984; no flow Apr. 28, 1977 and Oct. 1, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 653 ft³/s Mar. 10; minimum daily, 5 ft³/s many days in June and July.

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	153	153	119	65	113	170	235	132	e5.0	71	28	11
2	147	147	97	70	114	183	210	e5.1	e5.0	70	30	11
3	132	152	160	71	110	201	199	e5.1	e5.0	72	21	11
4	144	142	157	74	104	208	202	e5.1	e5.0	94	16	12
5	146	181	149	72	109	297	201	e5.1	e5.0	79	15	13
6	144	204	144	65	112	467	207	e5.0	e5.0	70	15	12
7	152	213	141	66	109	487	211	e5.0	e5.0	67	14	14
8	161	228	148	73	99	542	205	e5.0	e5.0	63	14	30
9	146	225	155	71	94	594	201	e5.0	e5.0	64	13	28
10	140	222	151	87	88	653	194	e5.0	e5.0	70	13	24
11	139	226	139	86	91	586	196	e5.0	e5.0	59	14	25
12	139	209	124	84	95	522	204	e5.0	e5.0	63	13	30
13	139	196	138	97	98	457	188	e5.0	e5.0	83	13	30
14	139	192	126	79	102	428	170	e5.0	e5.0	98	13	32
15	138	199	124	78	105	422	168	e5.0	e5.0	92	14	32
16	138	195	98	80	110	422	163	e5.0	e5.0	106	13	30
17	138	180	83	90	112	413	168	e5.0	e5.0	111	13	29
18	137	173	84	96	116	378	171	e5.0	e5.0	109	15	30
19	136	168	90	101	116	351	169	e5.0	e5.0	109	15	33
20	135	175	89	104	117	329	199	e5.0	e5.0	89	14	37
21	129	171	96	106	123	309	199	e5.0	e5.0	82	14	33
22	132	173	104	104	133	298	190	e5.0	e5.0	83	15	33
23	146	146	92	101	137	275	179	e5.0	e5.0	68	14	34
24	160	128	80	103	146	262	158	e5.0	e5.0	57	13	35
25	183	162	75	101	139	262	161	e5.0	e5.0	50	13	31
26	184	184	83	98	143	248	172	e5.0	e5.0	45	12	33
27	180	182	81	100	148	226	176	e5.0	e5.0	41	12	35
28	185	190	76	104	157	227	158	e5.0	e5.0	39	12	37
29	186	177	74	107	167	219	150	e5.0	e5.0	38	12	36
30	176	217	63	105	---	222	146	e5.0	78	36	11	22
31	161	---	62	107	---	232	---	e5.0	---	33	11	---
TOTAL	4665	5510	3402	2745	3407	10890	5550	282.4	223.0	2211	455	803
MEAN	150	184	110	88.5	117	351	185	9.11	7.43	71.3	14.7	26.8
MAX	186	228	160	107	167	653	235	132	78	111	30	37
MIN	129	128	62	65	88	170	146	5.0	5.0	33	11	11
AC-FT	9250	10930	6750	5440	6760	21600	11010	560	442	4390	902	1590

WTR YR 1992 TOTAL 40143.4 MEAN 110 MAX 653 MIN 5.0 AC-FT 79620

e Estimated

10046500 BEAR RIVER BELOW STEWART DAM, NEAR MONTPELIER, ID

LOCATION.--Lat 42°15'14", long 111°17'35", in NW¼NW¼NE¼ sec. 34, T. 13 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 300 ft downstream from Stewart Dam and 4.5 mi south of Montpelier.

DRAINAGE AREA.--2,853 mi².

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January to September 1922, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Water diverted at Stewart Dam through Rainbow Inlet Canal (station 10046000) for storage in Bear Lake.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--70 years, 41.1 ft³/s, 29,780 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,050 ft³/s June 3, 1923; no flow July 15, 1956, July 13, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 11 ft³/s June 16; no flow Aug. 27 - Sept. 3.

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	8.0	7.1	5.8	5.7	6.4	7.1	4.0	5.6	6.5	6.8	5.4	.00
2	7.8	6.8	5.9	5.5	6.3	6.8	4.2	5.7	6.5	6.8	5.2	.00
3	7.5	6.5	5.8	5.5	6.2	8.3	4.5	5.3	6.9	7.0	4.9	.00
4	7.6	6.4	5.6	5.5	6.1	9.8	4.4	5.2	7.2	6.8	4.7	.61
5	7.2	6.4	5.9	5.5	5.9	9.1	4.5	5.8	7.3	6.4	4.7	1.8
6	7.0	8.0	6.4	5.5	5.8	6.9	4.6	6.0	7.4	6.4	4.7	4.2
7	7.0	8.5	6.4	5.5	5.6	7.3	4.6	6.2	7.4	6.3	4.5	6.2
8	8.8	8.6	6.4	5.7	5.6	8.0	4.4	6.4	7.3	6.4	4.2	5.1
9	8.9	8.9	6.4	5.9	5.8	8.0	4.3	6.4	7.2	6.4	4.5	4.1
10	8.7	8.9	6.4	6.1	5.5	7.7	4.3	6.4	6.8	6.4	4.3	4.4
11	8.5	8.7	6.4	6.2	5.2	7.0	4.3	6.3	6.4	6.3	3.9	5.4
12	9.1	8.4	6.4	6.3	5.2	6.8	4.0	6.0	6.7	6.3	3.3	5.2
13	8.7	8.2	6.2	6.4	5.2	6.8	4.9	5.9	8.0	6.4	3.4	4.9
14	8.4	8.2	6.2	6.7	5.2	6.4	5.2	6.1	9.5	6.3	3.7	4.6
15	8.6	7.8	6.1	7.1	5.2	6.0	5.1	6.2	9.1	6.3	3.6	4.4
16	8.6	7.8	6.1	7.0	5.2	5.5	5.1	6.3	11	6.3	3.5	4.2
17	8.9	7.8	6.3	6.9	5.2	4.9	5.1	6.3	9.9	6.4	3.6	4.1
18	9.9	7.9	6.2	6.8	5.2	4.5	5.2	5.8	8.9	6.3	3.8	4.0
19	9.9	8.1	6.2	6.8	5.2	4.3	5.4	5.6	8.8	6.2	3.3	3.9
20	9.6	7.2	6.1	6.8	4.7	3.8	5.0	5.3	8.2	6.2	2.4	3.9
21	9.4	6.9	6.2	6.6	4.9	4.0	5.0	5.5	7.3	6.1	2.0	3.7
22	8.4	6.5	6.2	6.3	5.0	4.2	4.8	6.2	6.5	6.1	2.6	3.6
23	7.7	6.4	6.0	5.7	6.4	3.9	4.7	6.3	6.3	6.0	2.8	3.5
24	7.6	6.4	6.0	5.3	7.8	8.1	4.7	6.2	6.0	5.9	2.6	3.4
25	8.0	6.5	6.0	5.5	7.8	8.4	4.7	6.1	5.8	5.7	2.4	3.6
26	7.9	6.7	6.0	5.7	7.8	7.7	4.7	6.3	6.0	5.5	.61	3.5
27	7.6	6.6	5.9	6.1	7.8	7.1	4.7	6.2	6.1	5.4	.00	3.3
28	7.4	6.4	5.7	6.1	7.5	6.3	4.3	6.7	6.0	5.4	.00	3.1
29	7.2	6.3	5.6	6.1	7.2	5.7	1.6	7.1	6.7	5.4	.00	2.8
30	7.0	6.1	5.7	6.2	---	5.3	4.4	6.5	6.8	5.4	.00	2.6
31	7.2	---	5.8	6.4	---	4.8	---	6.5	---	5.4	.00	---
TOTAL	254.1	221.0	188.3	189.4	172.9	200.5	136.7	188.4	220.5	191.0	94.61	104.11
MEAN	8.20	7.37	6.07	6.11	5.96	6.47	4.56	6.08	7.35	6.16	3.05	3.47
MAX	9.9	8.9	6.4	7.1	7.8	9.8	5.4	7.1	11	7.0	5.4	6.2
MIN	7.0	6.1	5.6	5.3	4.7	3.8	1.6	5.2	5.8	5.4	.00	.00
AC-FT	504	438	373	376	343	398	271	374	437	379	188	207

CAL YR 1991 TOTAL 2736.4 MEAN 7.50 MAX 15 MIN 2.7 AC-FT 5430
WTR YR 1992 TOTAL 2161.52 MEAN 5.91 MAX 11 MIN .00 AC-FT 4290

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE¼ sec. 16, T. 15 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 mi², approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906, elevations only, published as "at Fish Haven," January 1921 to current year. Monthly contents only January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft Utah Power & Light Co. datum.

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (station 10046000) and Dingle Inlet Canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet Canal (station 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft between elevation 5,902.00 ft, lower limit of pumps, and 5,923.65 ft, upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures herein given represent usable contents.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft June 10, 1923, elevation, 5,923.68 ft; no usable contents Nov. 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 524,000 acre-ft Apr. 24, 25, elevation, 5,910.50 ft; minimum, 220,000 acre-ft Sept. 30, elevation, 5,905.67 ft.

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

5,905	179,500	5,910	492,300
5,906	241,000	5,911	556,800

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	441	436	447	458	465	481	506	519	466	389	328	239
2	441	436	447	458	466	481	507	517	463	387	324	239
3	441	435	448	458	467	482	508	515	460	383	321	238
4	441	435	448	458	467	483	509	514	457	380	318	236
5	440	435	448	458	468	483	510	512	455	378	315	236
6	439	435	449	458	468	484	510	508	453	376	312	236
7	439	435	449	458	469	485	511	506	450	375	309	235
8	439	435	450	459	469	485	512	505	447	374	304	235
9	439	435	451	459	469	486	512	504	444	373	299	235
10	439	435	451	459	469	487	513	503	441	368	296	234
11	439	435	452	459	470	489	514	501	438	366	293	233
12	439	435	453	460	471	492	514	500	435	365	291	233
13	439	435	453	460	471	494	515	497	432	364	288	232
14	438	435	453	460	471	495	515	496	428	363	285	231
15	438	436	453	460	472	496	515	494	425	363	281	231
16	438	436	454	460	472	498	516	494	422	363	278	230
17	438	437	454	461	473	499	517	492	420	363	276	228
18	438	437	455	461	474	499	517	491	418	362	274	227
19	437	438	455	462	474	501	518	488	416	361	272	227
20	437	439	455	462	475	501	519	486	413	359	270	226
21	437	440	455	462	476	502	519	485	409	359	268	225
22	437	441	455	462	476	503	521	483	407	358	265	224
23	437	442	456	462	477	504	522	481	405	356	263	223
24	437	442	456	463	478	505	524	479	403	354	259	222
25	436	442	456	463	479	505	524	478	401	351	255	221
26	436	444	456	463	479	505	523	477	399	349	251	221
27	436	444	456	464	479	505	523	475	398	346	247	221
28	436	445	456	465	480	505	523	474	396	342	243	221
29	436	446	456	465	480	505	521	472	394	339	241	221
30	436	446	457	465	---	505	520	468	392	335	241	220
31	436	---	457	465	---	506	---	470	---	332	239	---
MAX	441	446	457	465	480	506	524	519	466	389	328	239
MIN	436	435	447	458	465	481	506	468	392	332	239	220
(#)	5909.12	5909.28	5909.45	5909.58	5909.81	5910.21	5910.43	5909.65	5908.43	5907.47	5905.98	5905.67
(*)	-6	+10	+11	+8	+15	+26	+14	-50	-78	-60	-93	-19

CAL YR 1991 . . . . . (*) -22
WTR YR 1992 . . . . . (*) -222

(#) Elevation, in feet, at end of month.
(*) Change in contents, in thousands of acre-feet.

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 8, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft NGVD of 1929, unadjusted.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Bear Lake (station 10055500).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--70 years, 416 ft^3/s, 301,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft^3/s June 19-21, 1986; minimum daily, 1.0 ft^3/s for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,310 ft^3/s June 15; minimum daily, 6.5 ft^3/s many days October - April.

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	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	612	912	907	1060	214
2	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	740	957	918	1140	125
3	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	738	930	903	1160	45
4	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	726	926	894	1160	17
5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	756	969	880	1160	17
6	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	829	956	832	1160	18
7	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	833	949	713	1160	22
8	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	842	962	701	1150	24
9	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	850	1000	700	1140	27
10	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	854	1020	690	1140	28
11	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	880	1140	675	1140	34
12	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	910	1220	686	1130	29
13	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	924	1280	690	1130	40
14	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	966	1280	676	1120	44
15	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1010	1310	642	1120	37
16	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1000	1300	612	1110	35
17	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	994	1290	602	1120	37
18	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1000	1090	603	851	28
19	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1010	903	603	713	29
20	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1010	883	667	812	30
21	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1030	873	780	774	24
22	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1040	889	792	730	24
23	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	1030	903	830	710	24
24	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	282	1010	897	824	693	26
25	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	559	994	891	825	620	19
26	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	629	985	889	831	556	19
27	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	638	957	890	840	436	18
28	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	609	932	890	839	278	17
29	e6.5	e6.5	e6.5	e6.5	e6.5	e6.5	518	908	900	886	265	18
30	e6.5	e6.5	e6.5	e6.5	---	e6.5	498	894	889	939	265	19
31	e6.5	---	e6.5	e6.5	---	e6.5	---	887	---	972	222	---
TOTAL	201.5	195.0	201.5	201.5	188.5	201.5	3882.5	28151	30188	23952	27225	1088
MEAN	6.50	6.50	6.50	6.50	6.50	6.50	129	908	1006	773	878	36.3
MAX	6.5	6.5	6.5	6.5	6.5	6.5	638	1040	1310	972	1160	214
MIN	6.5	6.5	6.5	6.5	6.5	6.5	6.5	612	873	602	222	17
AC-FT	400	387	400	400	374	400	7700	55840	59880	47510	54000	2160

CAL YR 1991 TOTAL 79293.0 MEAN 217 MAX 1430 MIN 5.0 AC-FT 157300
WTR YR 1992 TOTAL 115676.0 MEAN 316 MAX 1310 MIN 6.5 AC-FT 229400

e Estimated

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec. 6, T. 12 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010202, on left bank at Pescadero, 400 ft downstream from road bridge, 2 mi downstream from Bennington Creek, and 6.5 mi northwest of Montpelier.

DRAINAGE AREA.--3,705 mi².

PERIOD OF RECORD.--October 1921 to September 1954. June 1969 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1988 at datum 0.35 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Bear Lake (station 10055500) and diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft³/s June 21, 1986; minimum daily, 23 ft³/s Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,620 ft³/s June 17, gage height, 5.60 ft; minimum daily, 60 ft³/s Oct. 18.

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	64	89	e130	e75	e74	e140	108	677	1040	1100	1090	216
2	63	102	e120	e76	e72	154	102	877	1110	1110	1220	200
3	62	97	e110	e74	e74	183	97	921	1110	1110	1260	132
4	62	90	e99	e76	e72	187	94	914	1100	1090	1270	90
5	61	100	e90	e76	e73	214	87	904	1100	1060	1280	71
6	64	109	e95	e75	e72	223	83	903	1110	1040	1280	80
7	63	107	e88	e74	e74	235	79	910	1120	925	1290	80
8	65	105	e84	e73	e74	264	84	918	1140	852	1290	86
9	64	107	e80	e74	e78	296	84	918	1210	834	1290	84
10	64	106	e74	e73	e80	302	81	918	1230	819	1290	81
11	64	102	e75	e75	e78	273	81	924	1370	801	1290	77
12	62	99	e76	e78	e76	244	80	961	1470	801	1290	73
13	61	99	e72	e76	e78	229	78	983	1530	806	1290	69
14	61	108	e73	e75	e80	223	77	1010	1550	806	1280	68
15	61	116	e72	e82	e79	218	77	1070	1560	780	1270	68
16	61	111	e74	e80	e80	205	79	1080	1580	737	1280	67
17	62	110	e72	e78	e83	200	88	1070	1600	714	1280	68
18	60	117	e71	e78	e85	197	100	1070	1590	708	1250	66
19	61	112	e74	e76	e88	195	99	1100	1350	706	859	72
20	61	112	e72	e74	e93	190	96	1110	1230	705	873	74
21	63	114	e72	e76	e93	178	94	1100	1160	841	881	71
22	67	110	e74	e78	e95	167	107	1130	1140	884	828	70
23	80	131	e75	e79	e100	158	116	1130	1150	926	777	69
24	82	135	e73	e80	e100	155	111	1110	1150	933	760	69
25	78	125	e73	e80	e110	147	532	1100	1130	922	735	69
26	79	120	e72	e80	e114	141	783	1090	1120	921	633	69
27	86	129	e74	e77	e122	139	821	1060	1130	923	580	69
28	82	139	e76	e75	e131	136	826	1030	1130	921	364	69
29	83	157	e74	e72	e136	133	739	1010	1180	925	292	69
30	86	e140	e75	e72	---	125	667	991	1120	992	275	70
31	99	---	e78	e74	---	115	---	1020	---	1030	265	---
TOTAL	2131	3398	2517	2361	2564	5966	6550	31009	37510	27722	30912	2516
MEAN	68.7	113	81.2	76.2	88.4	192	218	1000	1250	894	997	83.9
MAX	99	157	130	82	136	302	826	1130	1600	1110	1290	216
MIN	60	89	71	72	72	115	77	677	1040	705	265	66
AC-FT	4230	6740	4990	4680	5090	11830	12990	61510	74400	54990	61310	4990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-54, 1970-92, BY WATER YEAR (WY)

MEAN	474	482	500	463	407	393	440	575	945	1188	1019	684
MAX	2039	2134	1788	1340	1710	1707	1678	2106	3413	2918	1955	1696
(WY)	1984	1984	1985	1924	1985	1985	1986	1986	1986	1983	1983	1984
MIN	35.7	58.0	58.1	36.4	29.8	25.4	84.5	184	340	516	511	43.2
(WY)	1978	1935	1936	1936	1936	1936	1990	1989	1932	1938	1936	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1923-54, 1970-92	
ANNUAL TOTAL	124689		155156			
ANNUAL MEAN	342		424		634	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1710	Jul 1	1600	Jun 17	4280	Jun 21 1986
LOWEST DAILY MEAN	59	Sep 27	60	Oct 18	10	Jan 23 1943
ANNUAL SEVEN-DAY MINIMUM	61	Oct 13	61	Oct 13	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	247300		307800		459600	
10 PERCENT EXCEEDS	1060		1130		1350	
50 PERCENT EXCEEDS	112		111		520	
90 PERCENT EXCEEDS	71		70		80	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec. 29, T. 9 S., R. 42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi².

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above NGVD of 1929, from topographic map. May 25 to Oct. 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--39 years, 731 ft³/s, 529,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft³/s June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum, 41 ft³/s Nov. 16, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,500 ft³/s June 18; minimum daily, 67 ft³/s Dec. 19, 20.

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	126	147	125	e92	e134	e214	187	707	966	1060	972	257
2	124	144	157	e127	e150	e227	180	706	1020	1060	1090	217
3	122	145	143	e208	e152	e250	174	869	1050	1070	1160	200
4	120	149	143	e170	e158	e270	172	942	1020	1050	1190	143
5	119	153	146	e106	e154	310	169	943	1020	1020	1200	110
6	122	118	119	e97	e163	314	159	932	1030	999	1200	96
7	126	149	95	e89	e170	319	150	913	1050	922	1210	94
8	128	176	92	e82	e184	342	151	916	1060	834	1210	96
9	127	178	101	e89	e187	354	158	935	1110	815	1200	96
10	127	169	113	e129	e187	376	160	936	1160	803	1190	96
11	129	170	e82	e129	e178	372	163	927	1210	798	1190	93
12	127	165	e101	e117	e165	346	159	924	1320	814	1190	93
13	127	163	e83	e118	e145	323	156	953	1370	826	1180	90
14	125	163	e91	e106	e128	308	152	983	1420	831	1180	88
15	125	166	e90	e113	e121	299	152	996	1450	807	1170	92
16	121	164	e93	e116	e109	292	158	1040	1470	768	1170	91
17	123	157	e95	e103	e104	284	176	1070	1490	746	1190	90
18	124	156	e96	e104	e117	289	199	1060	1500	735	1230	88
19	123	154	e67	e115	e100	280	197	1050	1360	730	970	90
20	123	144	e67	e124	e105	283	187	1060	1180	724	757	95
21	123	146	e84	e120	e121	274	181	1080	1110	784	802	97
22	121	132	e93	e115	e129	259	188	1070	1070	877	782	95
23	120	86	e96	e114	e160	254	199	1080	1070	888	731	94
24	120	156	e111	e113	e171	245	197	1100	1080	909	713	95
25	124	145	e112	e112	e157	239	227	1080	1070	897	706	91
26	140	139	e120	e120	e173	227	743	1060	1060	885	658	92
27	146	135	e113	e122	e176	221	852	1060	1080	876	578	94
28	147	103	e115	e124	e176	223	867	1030	1070	863	488	92
29	147	100	e78	e129	e200	217	836	993	1110	863	312	96
30	156	75	e88	e136	---	207	755	944	1080	891	273	98
31	163	---	e75	e136	---	196	---	947	---	945	266	---
TOTAL	3995	4347	3184	3675	4374	8614	8404	30306	35056	27090	29158	3259
MEAN	129	145	103	119	151	278	280	978	1169	874	941	109
MAX	163	178	157	208	200	376	867	1100	1500	1070	1230	257
MIN	119	75	67	82	100	196	150	706	966	724	266	88
AC-FT	7920	8620	6320	7290	8680	17090	16670	60110	69530	53730	57830	6460

CAL YR 1991 TOTAL 156366 MEAN 428 MAX 1620 MIN 67 AC-FT 310200
WTR YR 1992 TOTAL 161462 MEAN 441 MAX 1500 MIN 67 AC-FT 320300

e Estimated

10079000 SODA POINT RESERVOIR AT ALEXANDER, ID

LOCATION.--Lat 42°38'41", long 111°42'44", in NW¼SE¼NW¼ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, 0.5 mi Southeast of Alexander, 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi².

GAGE.--Elevation of gage is 5,600 ft, Utah Power and Light Co. datum.

PERIOD OF RECORD.--October 1924 to current year. Prior to 1986, published in reports of the Bear River Commission.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,350 acre-ft Feb. 24, elevation, 5,719.71 ft; minimum, 11,710 acre-ft Aug. 2, elevation, 5,717.00 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13150	13440	13370	12540	13740	14240	13940	13040	12740	12800	11770	13220
2	13150	13140	13400	12580	13740	14340	13320	12720	12530	12800	11710	13220
3	13150	12950	13420	12620	13790	14050	13270	12670	12470	12830	11880	13220
4	13120	12850	13400	12660	13820	14220	13380	12670	12560	12810	12060	13430
5	13120	12960	13400	12720	13830	13970	13460	12700	12600	12760	12130	13550
6	13120	13350	13400	12770	13850	13780	13320	12700	12640	12760	12150	13600
7	13130	13670	13400	12840	13880	13560	13210	12700	12640	12860	12220	13650
8	13130	13700	13400	12900	13900	13370	13060	12620	12780	12860	12280	13680
9	13130	13720	13370	12940	13940	13760	13150	12640	12880	12770	12330	13740
10	13140	13720	13330	12980	13990	13540	13210	12610	12930	12700	12400	13790
11	13150	13720	13270	13020	14010	13360	13310	12540	12980	12790	12450	13790
12	13160	13720	13200	13060	14060	13110	13390	12500	13060	12940	12540	13790
13	13160	13720	13170	13090	14100	12740	13270	12450	13090	13060	12630	13760
14	13170	13750	13090	13130	14140	13180	13210	12480	13090	13150	12690	13760
15	13190	13750	13020	13170	14140	13580	13360	12540	13140	13250	12750	13760
16	13210	13780	12940	13210	14240	13760	13260	12680	12980	13280	12810	13690
17	13210	13800	12870	13260	14280	13940	12660	12810	12880	13260	12920	13690
18	13220	13810	12750	13290	14070	14130	12870	12930	12900	13160	13090	13690
19	13220	13820	12760	13320	13860	13700	13040	13030	13420	13100	13190	13690
20	13230	13820	12700	13350	13830	13240	13180	13150	13520	13160	12650	13690
21	13290	13800	12610	13410	13920	13550	13360	13280	13440	13160	12800	13700
22	13320	13770	12520	13430	14120	13820	13620	13420	13240	13280	12930	13720
23	13390	13620	12420	13460	14300	13880	13760	13600	13220	13340	12960	13730
24	13480	13520	12330	13490	14350	13920	13140	13720	12830	13190	12930	13770
25	13540	13590	12260	13520	14180	13990	13060	13820	12640	13060	12830	13770
26	13630	13620	12210	13540	14040	13980	13460	13720	12660	12880	12750	13770
27	13770	13680	12230	13580	13910	13420	13760	13620	12650	12780	12760	13770
28	13890	13680	12300	13620	13830	13670	13820	13460	12680	12660	13080	13770
29	13990	13650	12370	13650	13910	13900	13820	13220	12690	12500	13220	13800
30	13990	13530	12430	13680	---	13920	13500	13220	12760	12150	13240	13830
31	13680	---	12480	13710	---	13940	---	12960	---	11910	13220	---
MAX	13990	13820	13420	13710	14350	14340	13940	13820	13520	13340	13240	13830
MIN	13120	12850	12210	12540	13740	12740	12660	12450	12470	11910	11710	13220
(#)	5719.06	5718.91	5717.83	5719.09	5719.29	5719.32	5718.88	5718.33	5718.13	5717.22	5718.60	5719.21
(*)	+560	-150	-1050	+1230	+200	+30	-440	-540	-200	-850	+1310	+610

CAL YR 1991 . . . . . (*) +11606
WTR YR 1992 . . . . . (*) +710

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--80 years, 810 ft^3/s, 586,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft^3/s Mar. 31, 1911; maximum gage height, 15.95 ft Dec. 11, 1919 (backwater from ice); minimum, 14 ft^3/s Oct. 22, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,710 ft^3/s June 16, 17; minimum daily, 72 ft^3/s Sept. 4.

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	170	369	259	175	170	115	410	1030	1110	1080	1090	328
2	170	339	250	177	171	395	408	1020	1110	1090	1090	294
3	171	266	257	176	171	328	244	1010	1040	1100	1080	209
4	171	263	256	175	170	389	147	1010	998	1100	1150	72
5	172	179	253	175	169	498	146	997	994	1050	1220	77
6	173	119	251	177	167	496	266	990	991	986	1230	81
7	173	195	249	179	164	496	263	984	988	894	1240	82
8	172	258	244	177	163	343	263	983	996	888	1250	83
9	171	268	245	177	162	384	153	989	1060	836	1260	83
10	173	280	247	181	162	509	148	993	1110	787	1260	101
11	176	267	248	186	165	514	147	997	1180	708	1270	129
12	179	265	244	187	164	565	147	1010	1330	701	1250	131
13	181	258	240	187	163	400	246	1020	1460	701	1270	136
14	181	257	241	188	160	109	234	1030	1510	703	1270	139
15	179	257	243	187	155	107	103	1030	1630	703	1280	138
16	178	257	246	184	158	220	412	1030	1710	704	1280	148
17	178	257	251	183	235	232	421	1020	1710	709	1290	122
18	177	258	252	181	317	422	144	1030	1420	713	1290	121
19	178	259	251	181	265	588	144	1020	1190	682	1290	120
20	180	267	251	182	247	413	147	1050	1190	646	1010	118
21	183	275	250	180	246	147	123	1050	1200	692	830	117
22	182	277	253	185	157	145	97	1050	1200	764	836	118
23	180	268	256	183	155	265	364	1040	1200	914	841	116
24	177	258	255	181	322	253	493	1040	1200	988	844	117
25	173	266	246	179	329	249	297	1080	1150	991	858	118
26	170	266	202	176	327	430	517	1120	1070	989	792	117
27	168	266	175	176	321	404	816	1130	1070	983	595	112
28	166	266	173	179	316	113	934	1120	1070	977	414	107
29	164	266	166	179	154	111	1010	1060	1070	1050	330	105
30	270	266	172	174	---	235	1040	1010	1080	1120	332	103
31	368	---	173	170	---	230	---	1100	---	1100	338	---
TOTAL	5704	7812	7299	5577	6025	10105	10284	32043	36037	27349	31380	3842
MEAN	184	260	235	180	208	326	343	1034	1201	882	1012	128
MAX	368	369	259	188	329	588	1040	1130	1710	1120	1290	328
MIN	164	119	166	170	154	107	97	983	988	646	330	72
AC-FT	11310	15500	14480	11060	11950	20040	20400	63560	71480	54250	62240	7620

CAL YR 1991 TOTAL 162714 MEAN 446 MAX 1720 MIN 20 AC-FT 322700
WTR YR 1992 TOTAL 183457 MEAN 501 MAX 1710 MIN 72 AC-FT 363900

10080000 BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID

LOCATION.--Lat 42°35'11", long 111°43'51", in NE¼SE¼NW¼ sec. 1, T. 10 S., R. 40 E., Caribou County, Hydrologic Unit 16010202, on left bank 1,000 ft downstream from dam, and 1 mi north of Grace.

PERIOD OF RECORD.--April 1922 to November 1923 (fragmentary): March 1924 to current year. 1945 to 1950 published in reports on Bear River Hydrometric Data, water year 1946 published in WSP 1060. Prior to 1986, not published, records available from Utah Power & Light Co.

GAGE.--Water-stage recorder. Altitude of gage is 5,550 ft from topographic map.

REMARKS.--Records fair.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft³/s June 10, 1986, gage height, 6.77 ft; minimum, 0.74 ft³/s Feb. 2, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 404 ft³/s June 17; minimum daily 1.1 ft³/s Nov. 7.

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	6.2	10	2.6	2.1	2.6	2.6	4.2	12	24	41	48	47
2	4.4	12	2.6	2.0	2.5	2.5	1.8	11	24	38	48	48
3	3.5	10	2.3	2.0	2.5	2.4	1.8	12	26	41	50	45
4	2.1	7.6	2.3	1.9	2.5	2.4	1.9	11	21	36	43	17
5	1.7	4.0	2.4	1.9	2.5	3.5	2.0	12	22	38	37	9.9
6	2.2	1.3	2.4	2.0	2.5	2.4	2.0	11	23	40	40	4.1
7	3.0	1.1	2.4	2.0	2.5	2.4	2.0	12	21	37	41	3.4
8	3.2	4.9	2.4	2.1	2.4	2.3	1.9	13	20	41	47	3.8
9	3.5	3.9	2.4	2.1	2.4	4.8	1.8	10	21	39	35	3.4
10	2.8	3.0	2.4	2.1	2.3	2.3	1.8	14	24	41	37	3.5
11	3.8	3.0	2.4	2.1	2.3	3.8	1.8	15	21	39	36	3.4
12	4.1	3.7	2.5	2.2	2.3	1.9	1.6	14	25	39	34	2.4
13	3.4	3.9	2.5	2.3	2.7	1.9	1.7	78	98	38	41	2.5
14	4.0	3.2	2.5	2.4	4.9	2.0	1.7	13	139	42	32	2.5
15	3.2	2.9	2.5	2.4	7.9	2.0	1.8	20	169	42	35	2.0
16	3.4	2.7	2.5	2.4	9.4	2.0	1.7	24	306	41	34	2.3
17	3.4	2.9	2.6	2.4	9.8	2.1	1.7	27	404	42	33	3.1
18	2.5	2.8	2.6	2.5	9.1	2.2	1.6	24	289	40	36	2.8
19	2.1	2.7	2.6	2.6	12	2.1	1.6	24	44	40	35	3.4
20	2.5	2.6	2.7	2.7	13	2.1	1.5	23	40	45	36	7.1
21	3.2	2.6	2.7	2.7	14	2.1	1.5	22	34	40	43	12
22	2.8	2.4	2.7	2.7	10	2.0	1.4	23	40	41	49	12
23	4.3	2.1	2.8	2.7	10	2.1	1.5	22	36	42	44	9.5
24	7.3	2.2	2.8	2.7	10	2.0	1.5	21	37	46	42	11
25	7.0	2.1	2.9	2.7	19	2.0	1.5	22	37	39	43	9.8
26	5.4	2.1	2.9	2.7	10	2.0	1.5	22	42	40	44	10
27	6.0	2.0	3.0	2.6	10	2.0	1.5	21	39	41	46	12
28	5.3	2.0	3.0	2.6	9.8	1.9	1.5	22	37	42	49	13
29	3.3	2.4	3.1	2.6	6.7	1.9	7.5	20	37	49	46	15
30	5.5	2.7	2.4	2.6	---	1.9	14	18	39	52	48	12
31	9.7	---	2.1	2.6	---	1.8	---	20	---	44	45	---
TOTAL	124.8	110.8	80.0	73.4	197.6	71.4	71.3	613	2139	1276	1277	332.9
MEAN	4.03	3.69	2.58	2.37	6.81	2.30	2.38	19.8	71.3	41.2	41.2	11.1
MAX	9.7	12	3.1	2.7	19	4.8	14	78	404	52	50	48
MIN	1.7	1.1	2.1	1.9	2.3	1.8	1.4	10	20	36	32	2.0
AC-FT	248	220	159	146	392	142	141	1220	4240	2530	2530	660

CAL YR 1991 TOTAL 7593.2 MEAN 20.8 MAX 264 MIN 1.1 AC-FT 15060
WTR YR 1992 TOTAL 6367.2 MEAN 17.4 MAX 404 MIN 1.1 AC-FT 12630

10086000 ONEIDA NARROWS RESERVOIR AT ONEIDA, ID

LOCATION.--Lat 42°16'34", long 111°44'56", in $SW^1/_4NW^1/_4SE^1/_4$ sec. 23, T. 13 S, R. 40 E., Franklin County, Hydrologic Unit 16010202, 6 mi south of Cleveland.

DRAINAGE AREA (REVISED).--4,455 mi^2.

REVISED RECORDS.--WRD UT-74-1, WDR UT-89-1: Drainage area; WDR UT-88-1: 1987.

PERIOD OF RECORD.--October 1914 to current year. Prior to 1986, published in reports of Bear River Commission.

GAGE.--Elevation of gage is 4,800 ft, Utah Power and Light Co. datum.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,730 acre-ft Nov. 2, elevation, 4882.49 ft; minimum, 8,576 acre-ft, Oct. 4, elevation, 4,876.14 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9532	10560	10070	10100	10250	9959	10630	10460	10290	9610	9437	9226
2	9360	10730	10130	10210	10220	9856	10460	10420	9956	9969	9374	9444
3	8605	10390	10170	9808	10000	10170	10210	10100	10050	10060	9280	9607
4	8576	10290	10160	10030	9921	9983	10300	9702	10060	10260	9303	9774
5	8820	10470	10160	10100	10160	10490	10390	9640	9980	10230	9350	9726
6	8745	10470	10060	10100	9973	10430	10290	9576	9966	10190	9424	9637
7	8830	10320	10090	10100	10190	10670	10250	9832	9753	10170	9596	9556
8	9220	10370	10110	9980	10080	10650	9821	9210	9729	10020	9825	9461
9	9522	10570	10140	10000	10090	10580	9767	9505	9340	10170	10110	9384
10	9060	10710	10050	10170	10030	10630	10010	9549	8886	10150	9931	9306
11	9243	10200	10260	10220	10070	10680	10150	9634	8863	10070	9695	9384
12	9617	10430	10270	9987	10090	10540	10290	9774	9176	10150	9343	9448
13	9535	10680	10290	10010	10120	10530	10370	9644	8928	10240	9600	9549
14	9400	10610	10190	10110	10220	10610	10450	9760	9136	9876	9468	9610
15	9454	10400	10160	9990	10200	10650	10490	9870	9150	9994	9427	9698
16	8951	10450	10030	10070	10350	10520	10540	9904	9107	9911	9387	9794
17	8984	10080	10150	10100	9780	10560	10510	9722	9266	10000	9431	9839
18	9146	9549	10090	10100	10060	10590	10570	9681	9478	9921	9525	9887
19	9220	9464	10120	10030	10370	10660	10630	9821	10100	9987	9753	9900
20	9044	9801	10000	10020	10390	10680	10480	9715	10640	9845	10480	9938
21	9206	10150	9997	9962	10080	10170	10340	9546	10630	9845	10450	9976
22	9317	10630	9997	10010	9994	9980	10470	9681	10460	9921	10480	10030
23	9377	10710	10020	10190	10160	10330	10590	10200	10040	9661	10430	10120
24	9186	10700	10040	10170	10140	10440	10630	9952	10210	9647	10460	10090
25	9522	10720	10260	10040	10120	10420	10640	9702	10570	9938	10280	10120
26	9767	10100	10260	9969	10280	10720	10110	9630	10600	9458	10140	10210
27	9890	10110	10150	9980	10140	10540	9647	9546	10500	9607	10020	10190
28	9956	10130	10020	9890	10250	10510	9987	9849	10430	9377	9883	10250
29	9887	10160	10210	10050	10010	10480	10670	10280	10260	9370	9671	10180
30	9976	10100	10110	10170	---	10530	10660	10370	9712	9481	9360	10180
31	10080	---	10070	10240	---	10630	---	10390	---	9203	9030	---
MAX	10080	10730	10290	10240	10390	10720	10670	10460	10640	10260	10480	10250
MIN	8576	9464	9997	9808	9780	9856	9647	9210	8863	9203	9030	9226
(#)	4880.63	4880.69	4880.60	4881.10	4880.43	4882.21	4882.28	4881.51	4879.56	4878.05	4877.53	4880.92
(*)	+138	+20	-30	+170	-230	+620	+30	-270	-678	-509	-173	+1150

CAL YR 1991 . . . . . (*) -110
WTR YR 1992 . . . . . (*) +238

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

LOCATION.--Lat 42°16'00", long 111°45'04", in NE¼SE¼NW¼ sec. 26, T. 13 S., R. 40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant and 6 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi².

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--71 years, 887 ft³/s, 642,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 ft³/s May 8, 1922; minimum, 3.0 ft³/s June 13, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,430 ft³/s June 15-17; minimum daily, 63 ft³/s Sept. 13.

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	417	247	397	334	328	484	379	1000	930	919	902	127
2	651	602	433	253	372	472	644	1050	1060	716	947	146
3	623	395	438	376	331	319	663	1040	824	932	975	161
4	338	370	406	223	154	224	366	1030	804	855	976	157
5	438	416	583	216	347	550	269	790	830	960	986	157
6	330	566	161	359	279	451	283	889	767	1010	1080	161
7	87	198	516	433	115	665	495	998	1000	759	927	160
8	89	153	424	298	350	596	593	879	803	602	649	157
9	572	234	322	256	580	322	422	851	1170	653	1040	153
10	191	404	308	204	328	532	149	885	908	533	1170	125
11	157	597	390	396	284	715	222	710	896	639	1140	69
12	86	121	321	390	267	533	81	822	1070	486	1200	66
13	369	299	395	355	297	878	331	990	1200	486	923	63
14	435	419	397	330	244	455	262	730	1140	798	1100	100
15	648	447	324	441	361	293	382	871	1430	486	1060	64
16	348	558	457	376	224	195	178	995	1430	597	944	76
17	316	600	409	262	637	554	607	889	1430	482	919	96
18	69	588	412	300	256	285	437	879	1250	562	1010	108
19	586	313	303	213	223	544	255	871	888	523	805	122
20	165	185	365	326	308	793	304	973	966	489	548	129
21	161	108	298	230	696	898	433	959	1130	618	734	140
22	246	181	367	257	532	276	98	804	1420	469	638	118
23	366	317	369	260	506	65	151	527	1370	888	665	e129
24	245	523	285	248	257	452	438	1130	679	727	669	e151
25	91	433	274	414	341	495	584	1030	857	843	717	e109
26	160	595	379	268	465	329	693	900	852	918	702	e127
27	283	314	454	328	433	636	686	906	967	861	724	e126
28	417	396	220	279	563	643	580	686	861	855	619	e124
29	390	394	399	218	422	140	574	595	1020	808	449	e154
30	130	278	207	256	---	325	1120	763	1150	1000	455	e152
31	368	---	209	325	---	353	---	755	---	927	450	---
TOTAL	9772	11251	11222	9424	10500	14472	12679	27197	31102	22401	26123	3727
MEAN	315	375	362	304	362	467	423	877	1037	723	843	124
MAX	651	602	583	441	696	898	1120	1130	1430	1010	1200	161
MIN	69	108	161	204	115	65	81	527	679	469	449	63
AC-FT	19380	22320	22260	18690	20830	28710	25150	53950	61690	44430	51810	7390

WTR YR 1992 TOTAL 189870 MEAN 519 MAX 1430 MIN 63 AC-FT 376600

e Estimated

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NW¼NE¼ sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above NGVD of 1929, from topographic map. Prior to Sept. 10, 1982 at datum 2.00 ft higher. Sept. 10, 1982 to Sept. 30, 1985 at datum 10.0 ft lower.

REMARKS.--Records fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s June 14, 1984, gage height, 9.20 ft; minimum daily discharge, 48 ft³/s May 1, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,560 ft³/s Mar. 21, gage height, 13.00 ft; minimum daily, 117 ft³/s Oct. 8.

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	354	377	338	486	538	502	392	935	638	758	530	207
2	423	383	484	433	668	353	515	801	829	570	690	240
3	868	636	563	614	747	373	736	938	604	600	804	237
4	335	450	522	229	752	639	453	993	575	644	694	245
5	259	294	502	354	405	325	360	703	533	780	682	246
6	369	514	601	456	745	620	309	662	480	808	790	239
7	301	548	388	367	557	620	448	468	599	704	767	239
8	117	214	552	493	584	649	715	1060	586	607	735	238
9	126	206	449	302	731	638	459	477	651	450	585	234
10	552	317	478	295	705	506	256	666	860	465	932	232
11	198	684	412	413	485	666	214	668	553	379	982	192
12	190	362	505	706	474	740	245	616	521	412	965	157
13	247	221	455	358	400	758	175	713	840	363	671	151
14	346	443	518	526	384	682	346	721	784	562	890	144
15	294	484	500	578	481	324	356	704	1030	446	839	183
16	582	404	469	519	345	398	281	737	1190	401	823	142
17	355	634	563	612	639	359	378	890	1230	412	759	141
18	300	771	555	480	358	506	594	787	1230	375	732	158
19	177	582	407	521	333	468	329	708	779	331	778	165
20	519	244	533	324	524	747	326	791	596	341	378	171
21	218	244	416	591	897	895	379	869	903	330	582	171
22	232	176	447	448	694	636	201	680	975	260	432	170
23	309	312	569	483	499	235	146	503	1130	427	497	156
24	434	395	602	633	452	334	144	786	684	524	387	190
25	183	455	484	641	438	399	473	920	451	362	535	194
26	190	715	468	723	527	438	557	773	613	754	529	167
27	317	494	697	566	568	583	691	856	602	493	534	173
28	372	417	560	668	513	592	535	501	593	681	400	181
29	297	401	362	567	597	475	371	399	601	557	295	196
30	363	472	734	510	---	242	707	533	877	501	294	206
31	207	---	492	518	---	421	---	539	---	801	308	---
TOTAL	10034	12849	15625	15414	16040	16123	12091	22397	22537	16098	19819	5765
MEAN	324	428	504	497	553	520	403	722	751	519	639	192
MAX	868	771	734	723	897	895	736	1060	1230	808	982	246
MIN	117	176	338	229	333	235	144	399	451	260	294	141
AC-FT	19900	25490	30990	30570	31820	31980	23980	44420	44700	31930	39310	11430

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1992, BY WATER YEAR (WY)

MEAN	1097	1124	1148	1142	1139	1290	1553	1639	1497	1167	1025	1054
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986
MIN	258	328	310	457	364	351	403	357	333	473	494	192
(WY)	1978	1982	1982	1989	1991	1991	1992	1988	1989	1982	1973	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1971 - 1992	
ANNUAL TOTAL	205100		184792			
ANNUAL MEAN	562		505		1239	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	2510	Jun 4	1230	Jun 17	4830	Jun 21 1983
LOWEST DAILY MEAN	117	Oct 8	117	Oct 8	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	199	Jun 19	154	Sep 12	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	406800		366500		898000	
10 PERCENT EXCEEDS	950		785		2430	
50 PERCENT EXCEEDS	482		493		1020	
90 PERCENT EXCEEDS	248		214		339	

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: May 1986 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SEDIMENT CONCENTRATION: Maximum daily mean, 18,600 mg/L, Mar. 24, 1989; minimum daily mean, 6 mg/L, Oct. 22, 1990.
SEDIMENT LOADS: Maximum daily, 59,900 tons, Mar. 12, 1989; minimum daily, 2.3 tons, Oct. 19, 1989, Oct. 22, 1990.

EXTREMES FOR CURRENT YEAR:
SEDIMENT CONCENTRATIONS: Maximum daily mean, 185 mg/L, Dec. 6; minimum daily mean, 7 mg/L, Sept. 17.
SEDIMENT LOADS: Maximum daily, 515 tons, May 8; minimum daily, 2.8 tons, Sept. 17.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	51	49	99	101	88	80	e105	e138	e116	e168	e108	e147
2	83	95	107	111	99	129	92	108	e121	e219	57	54
3	105	246	126	216	96	146	e121	e201	e121	e245	53	53
4	42	38	114	139	92	130	e52	e32	e122	e247	81	140
5	48	34	90	71	98	133	e78	e75	e89	e97	61	54
6	62	62	141	196	185	300	e140	e172	e122	e245	99	166
7	53	43	136	201	113	118	e81	e80	e120	e180	78	131
8	28	8.8	88	51	135	201	e107	e142	e121	e191	74	130
9	27	9.2	88	49	104	126	e67	e55	e122	e240	79	136
10	93	139	72	62	119	154	e67	e53	e121	e231	66	90
11	32	17	108	199	137	152	e91	e101	e105	e138	78	140
12	37	19	52	51	126	172	e122	e232	e103	e132	76	152
13	64	43	57	34	117	144	e80	e77	e88	e95	72	147
14	51	48	93	111	107	150	e113	e161	e85	e88	75	138
15	52	41	84	110	103	139	e121	e189	e105	e136	49	43
16	93	146	62	68	86	109	e112	e157	e76	e71	53	57
17	58	56	92	157	111	169	e122	e201	e122	e210	51	49
18	44	36	112	233	113	169	e104	e135	e80	e77	52	71
19	75	36	84	132	119	131	e112	e158	e75	e67	54	68
20	89	125	52	34	129	186	e72	e63	e113	e160	72	145
21	53	31	65	43	108	121	e122	e194	e122	e295	119	288
22	66	41	45	21	e98	e118	e98	e118	e122	e228	74	127
23	94	78	92	78	e121	e186	e105	e137	e108	e145	e20	e13
24	130	152	64	68	e121	e197	e122	e208	e98	e120	e42	e38
25	61	30	94	115	e105	e137	e121	e210	e96	e113	e60	e65
26	37	19	105	203	e102	e129	e121	e237	e114	e162	e73	e86
27	44	38	157	209	e122	e229	e121	e185	e121	e186	e121	e191
28	88	88	97	109	e120	e182	e121	e219	e110	e153	e121	e194
29	89	71	91	99	e80	e78	e121	e186	e122	e196	e86	e110
30	94	92	85	108	e122	e241	e110	e152	---	---	e135	e14
31	61	34	---	---	e107	e142	e112	e156	---	---	e67	e76
TOTAL	---	1965.0	---	3379	---	4798	---	4532	---	4835	---	3313

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	e59	e62	132	333	114	196	97	199	50	72	20	11
2	e101	e140	119	257	138	309	87	134	63	117	21	14
3	e122	e242	122	309	116	189	99	160	60	130	13	8.3
4	e78	e95	126	338	123	191	104	181	47	88	18	12
5	e49	e48	123	233	109	157	117	246	60	110	17	11
6	e36	e30	158	282	99	128	115	251	64	137	12	7.7
7	e76	e92	176	222	117	189	91	173	44	91	15	9.7
8	e122	e235	180	515	118	187	89	146	50	99	15	9.6
9	e80	e99	136	175	111	195	66	80	44	69	16	10
10	e25	e17	182	327	131	304	67	84	45	113	18	11
11	e17	e9.9	140	253	102	152	64	65	40	106	15	7.8
12	e23	e15	122	203	109	153	74	82	40	104	e9	e3.9
13	e11	e5.4	107	206	149	338	44	43	40	72	e9	e3.5
14	e45	e42	115	224	139	294	62	94	73	175	e8	e3.0
15	97	93	119	226	128	356	65	78	48	109	e13	e6.2
16	101	77	122	243	115	369	53	57	51	113	e8	e2.9
17	104	106	124	298	94	312	93	103	44	90	e7	e2.8
18	112	180	118	251	90	299	74	75	48	95	e9	e4.0
19	101	90	120	229	130	273	81	72	31	65	e10	e4.5
20	110	97	114	243	131	211	71	65	27	28	e11	e5.0
21	111	114	115	270	126	307	73	65	61	96	e11	e5.0
22	112	61	86	158	115	303	54	38	33	38	e11	e5.0
23	88	35	83	113	96	293	83	96	38	51	e9	e3.8
24	80	31	90	191	118	218	93	132	29	30	e13	e6.9
25	137	175	94	233	134	163	78	76	36	52	e14	e7.4
26	93	140	90	188	129	214	91	185	26	37	e10	e4.7
27	97	181	85	196	97	158	79	105	37	53	e11	e5.2
28	73	105	74	100	132	211	95	175	30	32	e12	e6.0
29	101	101	79	85	125	203	62	93	25	20	e14	e7.6
30	141	269	104	150	98	232	57	77	23	18	e16	e8.8
31	---	---	109	159	---	---	62	134	21	17	---	---
TOTAL	---	2987.3	---	7210	---	7104	---	3564	---	2427	---	208.3
YEAR		46322.6										

e Estimated

10102250 BEAR RIVER NEAR SMITHFIELD, UT

LOCATION.--Lat 41°50'24", long 111°52'51", in NW¼SW¼NE¼ sec. 30, R. 1 E., T. 13 N., Cache County, Cache Hydrologic Unit 16010202, on the left abutment of abandoned highway bridge, 0.6 miles upstream from the mouth of Summit Creek, and 2.6 miles west of Smithfield.

DRAINAGE AREA.--5,193 mi².

REVISED RECORDS.--WRD UT-1974: Drainage area.

PERIOD OF RECORD.--April 1964 to September 1978, October 1989 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,399.89 ft above NGVD of 1929 (Utah State Highway benchmark).

REMARKS.--No estimated daily discharges, records fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,850 ft³/s June 13, 14, 1971, gage height, 14.46 ft; minimum, 75 ft³/s Apr. 26, 1977.

EXTREMES FOR CURRENT YEAR.--Maxium daily discharge, 1,210 ft³/s June 18; minimum daily discharge, 203 ft³/s Oct. 9.

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	427	370	407	492	425	753	558	829	614	934	710	374
2	500	355	358	475	421	625	574	912	752	789	615	309
3	553	477	501	470	541	559	735	812	813	632	716	307
4	759	525	578	610	575	587	839	878	699	729	776	301
5	434	489	572	409	547	772	601	873	605	711	708	303
6	360	428	596	447	395	534	529	691	574	785	747	289
7	416	515	582	543	560	835	531	685	531	800	822	281
8	345	426	543	508	442	796	629	683	699	686	758	287
9	203	293	541	604	423	845	805	858	572	562	599	291
10	333	306	487	430	524	716	657	680	764	523	733	293
11	400	394	587	391	540	736	451	775	698	447	919	293
12	257	578	631	417	550	809	415	646	592	486	909	270
13	220	387	624	533	610	834	407	669	657	464	940	253
14	289	359	560	339	590	895	408	804	858	442	781	242
15	363	472	507	417	610	803	502	706	855	620	891	235
16	400	522	466	412	697	491	545	767	1090	457	845	246
17	446	490	504	419	585	537	511	866	1200	469	829	220
18	343	614	585	439	730	635	667	875	1210	397	784	211
19	273	657	620	392	506	604	766	792	1150	406	845	213
20	349	513	615	396	465	732	556	786	794	377	629	214
21	331	324	576	357	847	862	546	835	702	431	502	209
22	259	318	450	413	1100	976	533	887	888	357	493	210
23	311	268	442	394	971	700	437	747	1040	309	468	210
24	346	361	525	395	729	478	350	595	1080	515	450	209
25	405	447	552	456	666	570	385	882	655	480	475	242
26	285	491	485	514	735	675	545	897	585	486	485	248
27	291	653	504	529	742	581	684	854	594	699	540	234
28	368	440	603	498	707	756	710	830	725	550	488	246
29	406	448	557	535	719	776	591	603	681	678	419	256
30	415	460	477	475	---	576	485	533	756	579	375	273
31	354	---	554	432	---	487	---	582	---	617	374	---
TOTAL	11441	13380	16589	14141	17952	21535	16952	23832	23433	17417	20625	7769
MEAN	369	446	535	456	619	695	565	769	781	562	665	259
MAX	759	657	631	610	1100	976	839	912	1210	934	940	374
MIN	203	268	358	339	395	478	350	533	531	309	374	209
AC-FT	22690	26540	32900	28050	35610	42710	33620	47270	46480	34550	40910	15410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-78, 1990-92, BY WATER YEAR (WY)

MEAN	950	1048	1202	1290	1176	1395	1660	1848	1603	1027	935	936
MAX	2145	2034	2097	2262	2078	2585	2921	3536	4844	2153	1462	1855
(WY)	1976	1976	1972	1972	1972	1972	1976	1971	1971	1971	1971	1971
MIN	280	415	377	411	450	475	468	678	652	562	590	259
(WY)	1978	1978	1991	1991	1991	1991	1977	1968	1969	1992	1969	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965-78, 1990-92	
ANNUAL TOTAL	248351		205066			
ANNUAL MEAN	680		560		1256	
HIGHEST ANNUAL MEAN					2209	1972
LOWEST ANNUAL MEAN					560	1992
HIGHEST DAILY MEAN	2750	Jun 5	1210	Jun 18	5810	Jun 14 1971
LOWEST DAILY MEAN	150	Jun 25	203	Oct 9	79	Apr 26 1977
ANNUAL SEVEN-DAY MINIMUM	248	Sep 19	211	Sep 18	157	Apr 22 1977
ANNUAL RUNOFF (AC-FT)	492600		406700		910100	
10 PERCENT EXCEEDS	1140		834		2200	
50 PERCENT EXCEEDS	563		541		1150	
90 PERCENT EXCEEDS	324		302		447	

10104700 LITTLE BEAR RIVER BELOW DAVENPORT CREEK, NEAR AVON, UT

LOCATION.--Lat 41°30'43", long 111°48'37", in $SW^1/_4SW^1/_4SW^1/_4$ sec. 14, T. 9 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on right bank 0.65 mi downstream from Davenport Creek and 1.5 mi south of Avon.

DRAINAGE AREA.--61.6 mi^2.

PERIOD OF RECORD.--October 1960 to September 1992 (discontinued). Published as "10105700 South Fork Little Bear River near Avon," 1960-62.

REVISED RECORDS.--WRD UT-74-1: Drainage area. WDR UT-82-1: 1980-81 (M).

GAGE.--Water-stage recorder. Elevation of gage is 5,020 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1985 at datum 2.0 ft lower. Oct. 1, 1985 to Mar. 2, 1987 at datum 1.0 ft lower.

REMARKS.--Records good, except for estimated daily discharges, which are poor. A few small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,540 ft^3/s Feb. 19, 1986, gage height, 5.58 ft; minimum, 6.3 ft^3/s Feb. 3, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 140 ft^3/s Feb. 22, gage height, 1.92 ft; minimum daily discharge, 9.8 ft^3/s Aug. 8, Sept. 19.

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	17	22	e20	18	18	43	30	48	16	19	11	11
2	17	20	e27	19	18	49	30	44	17	18	11	11
3	17	18	e27	21	19	46	32	41	16	16	11	11
4	16	22	e26	19	17	43	34	38	16	15	11	12
5	17	23	e24	18	19	47	37	36	16	14	11	12
6	16	35	22	19	21	41	37	35	16	14	11	11
7	16	29	25	19	21	44	36	33	16	15	10	12
8	17	26	26	18	18	43	35	33	15	14	9.8	12
9	17	44	20	16	18	37	34	37	15	13	9.9	11
10	17	38	20	19	19	34	35	33	15	12	10	12
11	17	31	20	20	21	34	36	30	15	12	9.9	11
12	18	28	21	19	23	33	40	28	14	21	10	11
13	18	26	20	18	30	33	44	27	14	15	11	11
14	18	29	17	19	29	33	45	26	16	14	11	11
15	17	28	18	18	26	33	47	27	21	14	11	11
16	18	26	18	18	24	32	49	25	18	14	11	11
17	18	26	19	18	22	34	53	24	17	13	11	11
18	18	e26	21	19	21	34	57	22	16	13	11	10
19	18	e27	22	21	22	33	52	23	15	12	11	9.8
20	18	e26	18	21	45	32	47	24	15	12	11	11
21	18	e26	15	20	57	30	45	24	15	12	10	11
22	19	e26	18	19	84	29	46	23	14	12	10	11
23	36	e21	19	18	48	30	42	22	14	12	11	11
24	24	e26	17	17	36	29	40	21	14	11	11	11
25	22	e26	16	18	35	28	38	20	14	11	11	11
26	23	e27	15	18	33	28	38	20	15	10	11	11
27	37	e27	15	18	34	28	41	20	15	10	11	12
28	26	e27	15	18	36	27	46	19	15	11	11	11
29	24	e27	18	18	39	28	49	19	14	11	11	11
30	21	e27	19	18	---	28	50	18	16	10	11	11
31	21	---	19	18	---	29	---	17	---	11	11	---
TOTAL	616	810	617	577	853	1072	1245	857	465	411	332.6	333.8
MEAN	19.9	27.0	19.9	18.6	29.4	34.6	41.5	27.6	15.5	13.3	10.7	11.1
MAX	37	44	27	21	84	49	57	48	21	21	11	12
MIN	16	18	15	16	17	27	30	17	14	10	9.8	9.8
AC-FT	1220	1610	1220	1140	1690	2130	2470	1700	922	815	660	662

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1992, BY WATER YEAR (WY)

MEAN	27.6	28.5	28.4	30.2	37.2	58.7	115	160	103	42.5	30.2	27.0
MAX	53.8	53.9	65.4	67.8	194	165	230	348	272	100	60.9	49.4
(WY)	1984	1985	1984	1969	1986	1986	1986	1984	1983	1983	1983	1986
MIN	14.3	15.4	13.9	14.1	17.3	18.7	31.3	27.6	15.5	13.3	10.7	11.1
(WY)	1962	1978	1991	1991	1964	1964	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1961 - 1992	
ANNUAL TOTAL	13096		8189.4			
ANNUAL MEAN	35.9		22.4		57.3	
HIGHEST ANNUAL MEAN					119	1986
LOWEST ANNUAL MEAN					22.4	1992
HIGHEST DAILY MEAN	319	Jun 2	84	Feb 22	924	Feb 18 1986
LOWEST DAILY MEAN	10	Jan 11	9.8	Aug 8	9.0	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	13	Jan 9	10	Aug 6	10	Aug 6 1992
ANNUAL RUNOFF (AC-FT)	25980		16240		41540	
10 PERCENT EXCEEDS	73		38		141	
50 PERCENT EXCEEDS	22		19		33	
90 PERCENT EXCEEDS	15		11		17	

e Estimated

10108400 LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

LOCATION.--Lat 41°44'35", long 111°45'40", in NE¼NW¼NE¼ sec. 31, T. 12 N., R. 2 E., Cache County, Hydrologic Unit 16010203, Cache National Forest, on left bank 487 ft downstream from head and 3.8 mi east of Logan.

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

GAGE.--Water-stage recorder and 8-ft concrete Parshall flume. Datum of gage is 4,858.69 ft above NGVD of 1929 (Bureau of Public Roads bench mark).

REMARKS.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--29 years, 23.4 ft³/s, 16,950 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 111 ft³/s May 23, 1963, May 28, 1966; no flow at times most years.

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	17	6.9	3.9	8.1	8.4	.49	.00	44	48	34	23	22
2	16	6.9	3.8	8.1	8.4	.49	.00	43	47	33	23	22
3	16	6.9	3.8	8.1	8.4	.44	.00	44	48	33	22	22
4	16	6.8	3.9	8.1	8.4	.38	.60	50	48	33	22	22
5	16	6.5	3.9	8.1	8.4	2.7	.00	53	47	32	23	22
6	16	6.0	3.9	8.4	8.4	3.2	4.4	53	44	32	23	21
7	16	5.2	3.9	e8.5	8.4	1.6	7.3	53	41	31	23	21
8	16	5.2	3.9	e8.7	8.1	1.8	7.6	54	41	31	23	21
9	16	5.2	3.9	e8.7	8.1	1.5	14	55	41	31	23	21
10	17	5.2	3.9	e8.7	8.1	4.0	20	55	39	30	23	21
11	17	5.0	3.9	e8.7	8.1	8.4	20	55	39	28	23	21
12	17	4.9	3.9	e8.7	8.4	8.3	19	55	34	28	23	21
13	17	4.8	3.9	e8.7	8.4	8.4	19	54	34	27	24	20
14	17	4.7	3.8	e8.7	8.4	8.4	19	52	36	27	23	21
15	17	4.5	3.7	e8.7	8.4	8.4	19	53	38	27	23	21
16	17	4.4	3.7	e8.7	8.4	8.4	20	53	38	27	22	21
17	17	4.4	3.6	e8.7	8.4	8.4	26	52	38	27	23	20
18	17	4.4	3.5	e8.7	8.4	8.4	31	52	38	27	23	20
19	17	4.4	3.5	e8.4	8.4	8.4	8.7	54	38	26	23	20
20	17	4.4	3.5	e8.4	8.6	8.4	14	54	38	24	23	20
21	17	4.2	3.5	e8.4	8.6	7.0	19	56	39	24	23	19
22	17	3.3	3.5	e8.4	8.7	3.5	18	56	39	23	23	19
23	16	3.2	3.5	e8.4	8.5	.00	19	55	39	24	23	21
24	13	3.6	4.7	e8.4	8.4	.00	20	55	37	24	22	22
25	10	3.9	8.1	e8.4	7.9	.00	19	55	33	24	23	22
26	10	3.9	8.1	e8.4	7.8	.00	35	54	35	23	23	22
27	10	3.9	8.1	e8.4	7.8	.00	43	52	34	23	23	22
28	10	3.9	8.1	e8.4	7.8	.00	44	51	34	24	23	22
29	10	3.9	8.1	e8.4	4.6	.00	44	51	34	24	22	22
30	6.9	3.9	8.1	e8.4	---	.00	42	51	33	24	22	22
31	6.9	---	8.1	8.4	---	.00	---	50	---	23	22	---
TOTAL	458.8	144.4	147.7	262.3	237.1	111.00	552.60	1624	1172	848	707	633
MEAN	14.8	4.81	4.76	8.46	8.18	3.58	18.4	52.4	39.1	27.4	22.8	21.1
MAX	17	6.9	8.1	8.7	8.7	8.4	44	56	48	34	24	22
MIN	6.9	3.2	3.5	8.1	4.6	.00	.00	43	33	23	22	19
AC-FT	910	286	293	520	470	220	1100	3220	2320	1680	1400	1260

CAL YR 1991 TOTAL 7045.80 MEAN 19.3 MAX 79 MIN .00 AC-FT 13980
WTR YR 1992 TOTAL 6897.90 MEAN 18.8 MAX 56 MIN .00 AC-FT 13680

e Estimated

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT

LOCATION.--Lat 41°44'36", long 111°46'55", in NW¼NW¼NE¼ sec. 36, T. 12 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on left bank 0.5 mi upstream from State dam, and 2.5 mi east of Logan.

DRAINAGE AREA.--214 mi².

PERIOD OF RECORD.--June 1896 to current year. Published as Logan River near Logan prior to 1913. Records since May 1913 equivalent to earlier records, if records for Utah Power & Light Co.'s tailrace near Logan (station 10108000) are added. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,680 ft above NGVD of 1929, from topographic map. Prior to May 7, 1913, nonrecording gage at various sites within 0.5 mi downstream at different datums. May 7, 1913, to Sept. 3, 1938, water-stage recorder at present site at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow affected by regulation and diversions above station for power, irrigation, and municipal culinary supply. Utah Power and Light Co. stopped diverting water from river November 1970 at which time the tailrace station (station 10108000) was discontinued. During 1963, site for gaging station for Logan, Hyde Park and Smithfield Canal (station 10108400) was relocated. Records for combined flow since that time are equivalent to previous records. For record of combined flow, see following page.

AVERAGE DISCHARGE.--River only: 79 years (water years 1914-92), 143 ft³/s, 103,600 acre-ft/yr.
Combined river and canal: 96 years, 270 ft³/s, 195,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft³/s Mar. 21, 1916, gage height, 5.6 ft; minimum, 5.2 ft³/s Feb. 26, 1986, result of hydro-electric plant testing.
Combined river and canal: Maximum discharge observed, 2,480 ft³/s May 24, 1907; minimum daily, 50 ft³/s Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 302 ft³/s May 8, gage height, 3.32 ft; minimum daily discharge, 57 ft³/s, Sept. 30.
Combined river and canal: Maximum daily discharge, 298 ft³/s May 9; minimum daily, 77 ft³/s Feb. 5, 6, Sept. 22.

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	81	98	85	85	75	98	e105	228	146	94	66	63
2	84	93	101	85	74	99	e110	197	145	94	65	63
3	93	85	97	84	75	e99	120	198	134	88	66	63
4	93	95	92	86	76	e96	123	183	136	86	65	68
5	93	95	91	87	69	e97	137	188	131	84	65	65
6	91	119	94	88	69	e98	135	198	130	82	65	64
7	93	113	100	88	73	e100	129	202	129	81	64	65
8	92	105	96	86	74	e100	118	231	127	80	65	63
9	92	107	91	78	72	e102	116	243	126	79	64	63
10	91	108	90	82	73	e99	119	219	123	79	64	63
11	89	104	91	82	73	e97	e124	194	117	81	63	62
12	89	101	89	79	74	e99	e130	186	120	89	62	62
13	90	102	91	75	74	e102	e132	188	120	83	62	63
14	90	101	88	82	73	e104	e134	200	115	82	62	61
15	90	102	87	80	73	e108	e138	196	118	78	63	61
16	89	96	89	80	74	e111	166	198	114	77	64	60
17	89	97	89	80	73	e113	174	195	117	76	65	60
18	89	102	91	78	72	e114	189	188	111	74	63	60
19	88	99	91	74	73	e113	189	188	107	74	63	61
20	88	99	91	76	74	e106	168	184	102	76	62	59
21	88	101	84	73	76	e106	161	183	99	76	62	60
22	86	98	89	80	83	e109	166	180	95	74	63	58
23	116	87	88	78	85	e107	160	167	93	72	64	60
24	98	96	90	78	86	e104	152	164	93	72	65	59
25	97	97	86	77	87	e103	154	163	97	71	64	58
26	96	101	86	78	86	e104	144	166	95	70	63	58
27	103	100	85	76	89	e102	155	174	95	70	63	58
28	96	100	85	75	91	e102	185	161	88	69	62	58
29	95	98	88	74	94	e103	207	159	88	69	62	58
30	95	95	86	74	---	e102	212	153	90	68	63	57
31	92	---	87	75	---	e104	---	149	---	66	63	---
TOTAL	2856	2994	2788	2473	2240	3201	4452	5823	3401	2414	1972	1833
MEAN	92.1	99.8	89.9	79.8	77.2	103	148	188	113	77.9	63.6	61.1
MAX	116	119	101	88	94	114	212	243	146	94	66	68
MIN	81	85	84	73	69	96	105	149	88	66	62	57
AC-FT	5660	5940	5530	4910	4440	6350	8830	11550	6750	4790	3910	3640

CAL YR 1991 TOTAL 52163 MEAN 143 MAX 760 MIN 55 AC-FT 103500
WTR YR 1992 TOTAL 36447 MEAN 99.6 MAX 243 MIN 57 AC-FT 72290

e Estimated

LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT--Continued

10109001 COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

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	98	105	89	93	83	98	105	272	194	128	89	85
2	100	100	105	93	82	99	110	240	192	127	88	85
3	109	92	101	92	83	99	120	242	182	121	88	85
4	109	102	96	94	84	96	124	233	184	119	87	90
5	109	101	95	95	77	100	137	241	178	116	88	87
6	107	125	98	96	77	101	139	251	174	114	88	85
7	109	118	104	96	81	102	136	255	170	112	87	86
8	108	110	100	95	82	102	126	285	168	111	88	84
9	108	112	95	87	80	103	130	298	167	110	87	84
10	108	113	94	91	81	103	139	274	162	109	87	84
11	106	109	95	91	81	105	144	249	156	109	86	83
12	106	106	93	88	82	107	149	241	154	117	85	83
13	107	107	95	84	82	110	151	242	154	110	86	83
14	107	106	92	91	81	112	153	252	151	109	85	82
15	107	106	91	89	81	116	157	249	156	105	86	82
16	106	100	93	89	82	119	186	251	152	104	86	81
17	106	101	93	89	81	121	200	247	155	103	88	80
18	106	106	94	87	80	122	220	240	149	101	86	80
19	105	103	94	82	81	121	198	242	145	100	86	81
20	105	103	94	84	83	114	182	238	140	100	85	79
21	105	105	87	81	85	113	180	239	138	100	85	79
22	103	101	92	88	92	112	184	236	134	97	86	77
23	132	90	91	86	93	107	179	222	132	96	87	81
24	111	100	95	86	94	104	172	219	130	96	87	81
25	107	101	94	85	95	103	173	218	130	95	87	80
26	106	105	94	86	94	104	179	220	130	93	86	80
27	113	104	93	84	97	102	198	226	129	93	86	80
28	106	104	93	83	99	102	229	212	122	93	85	80
29	105	102	96	82	99	103	251	210	122	93	84	80
30	102	99	94	82	---	102	254	204	123	92	85	79
31	99	---	95	83	---	104	---	199	---	89	85	---
TOTAL	3315	3136	2935	2732	2472	3306	5005	7447	4573	3262	2679	2466
MEAN	107	105	94.7	88.1	85.2	107	167	240	152	105	86.4	82.2
MAX	132	125	105	96	99	122	254	298	194	128	89	90
MIN	98	90	87	81	77	96	105	199	122	89	84	77
AC-FT	6580	6220	5820	5420	4900	6560	9930	14770	9070	6470	5310	4890

CAL YR 1991 TOTAL 59179 MEAN 162 MAX 780 MIN 58 AC-FT 117400
WTR YR 1992 TOTAL 43328 MEAN 118 MAX 298 MIN 77 AC-FT 85940

10111700 BLACKSMITH FORK BELOW MILL CREEK, NEAR HYRUM, UT

LOCATION.--Lat 41°35'41", long 111°34'00", in NW¼NW¼NE¼ sec. 23, T. 10 N., R. 3 E., Cache County, Hydrologic Unit 16010203, on right bank 1.3 mi downstream from Mill Creek, and 16 mi east of Hyrum.

DRAINAGE AREA.--78.0 mi².

PERIOD OF RECORD.--September 1965 to September 1969, October 1985 to September 1992 (discontinued).

REVISED RECORDS.--WDR UT-88-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,544.76 ft above NGVD of 1929, unadjusted.

REMARKS.--Records good, except for estimated daily discharges, which are fair. No diversions or regulation above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 346 ft³/s Mar. 8, 1986, gage height, 7.11 ft; minimum daily discharge, 34 ft³/s, Aug. 10, Oct. 14, 15, 30, 31, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 158 ft³/s, April 30, gage height, 6.53 ft; minimum daily discharge, 35 ft/3s, Sept. 20-24, 28-30.

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	47	46	43	39	41	44	45	39	e39	39	36	e38
2	47	45	43	39	40	45	44	38	e39	39	36	38
3	47	45	43	38	40	43	44	38	e38	38	36	38
4	47	46	43	39	40	43	45	38	e38	38	36	39
5	47	46	43	39	40	44	44	39	e38	38	36	38
6	47	47	43	39	40	42	43	39	e38	38	36	38
7	47	46	43	39	40	43	43	40	e38	38	36	38
8	46	46	43	38	40	42	42	39	e38	38	36	38
9	45	49	43	38	40	41	42	40	e38	37	36	38
10	45	47	43	38	40	41	42	39	e38	37	36	38
11	45	46	43	39	40	41	42	39	e38	37	37	38
12	45	45	42	39	40	41	41	39	e38	40	37	37
13	45	46	42	39	40	41	41	38	e36	38	37	37
14	47	46	41	39	40	41	41	39	e37	37	37	37
15	47	46	41	39	40	41	41	39	e38	37	37	37
16	46	45	41	39	40	40	41	38	e38	37	37	37
17	46	46	41	40	40	40	43	38	e37	37	37	36
18	45	46	41	40	40	41	43	39	e37	37	37	36
19	46	45	41	40	40	41	41	39	e37	37	37	36
20	46	46	40	40	43	40	41	40	e37	37	37	35
21	46	46	41	39	44	40	40	39	e37	37	37	35
22	46	45	40	40	45	42	40	39	e37	37	38	35
23	52	44	40	40	43	42	40	39	e37	37	e38	35
24	46	44	40	40	41	42	39	39	e37	37	e38	35
25	46	44	40	40	41	42	39	40	e38	37	e38	36
26	46	46	40	40	40	42	37	40	e38	37	e38	36
27	49	45	40	41	41	42	38	40	38	36	e38	36
28	46	45	40	41	42	43	38	40	37	36	e38	35
29	46	45	40	41	43	43	38	40	37	36	e38	35
30	45	44	39	41	---	44	43	e39	39	36	e38	35
31	45	---	39	41	---	44	---	e39	---	36	e38	---
TOTAL	1436	1368	1282	1224	1184	1301	1241	1211	1130	1156	1147	1100
MEAN	46.3	45.6	41.4	39.5	40.8	42.0	41.4	39.1	37.7	37.3	37.0	36.7
MAX	52	49	43	41	45	45	45	40	39	40	38	39
MIN	45	44	39	38	40	40	37	38	36	36	36	35
AC-FT	2850	2710	2540	2430	2350	2580	2460	2400	2240	2290	2280	2180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-69, 1986-92, BY WATER YEAR (WY)

MEAN	59.0	57.1	53.9	51.9	53.5	58.1	65.2	64.2	63.9	60.9	59.7	57.6
MAX	94.2	87.4	80.9	76.8	101	113	113	113	132	126	118	106
(WY)	1987	1987	1987	1987	1986	1986	1986	1986	1986	1986	1986	1986
MIN	35.0	35.4	36.1	36.3	36.1	37.9	41.4	39.1	36.9	36.0	35.7	36.0
(WY)	1991	1991	1991	1991	1991	1991	1992	1992	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966-69, 1986-92	
ANNUAL TOTAL	15938		14780			
ANNUAL MEAN	43.7		40.4		58.8	
HIGHEST ANNUAL MEAN					100	1986
LOWEST ANNUAL MEAN					40.4	1992
HIGHEST DAILY MEAN	120	Jun 2	52	Oct 23	240	Feb 19 1986
LOWEST DAILY MEAN	36	Jan 2	35	Sep 20	34	Aug 10 1990
ANNUAL SEVEN-DAY MINIMUM	36	Jan 5	35	Sep 18	35	Oct 9 1990
ANNUAL RUNOFF (AC-FT)	31610		29320		42580	
10 PERCENT EXCEEDS	47		46		81	
50 PERCENT EXCEEDS	44		40		54	
90 PERCENT EXCEEDS	36		37		38	

e Estimated

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT

LOCATION.--Lat 41°37'25", long 111°44'17", in SE¼NE¼NE¼ sec. 8, T. 10 N., R. 2 E., Cache County, Hydrologic Unit 16010203 on right bank 1.1 mi upstream from diversion dam, and 6 mi east of Hyrum.

DRAINAGE AREA.--263 mi².

PERIOD OF RECORD.--October 1913 to current year. Monthly discharge only for October 1913, published in WSP 1314.

REVISED RECORDS.--WSP 1514: 1925. WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,020 ft above NGVD of 1929, from topographic map. Oct. 2, 1934 to May 27, 1987 at site 1,200 ft downstream at different datum. Prior to Oct. 2, 1934, at site 200 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. A few small diversions for irrigation of about 200 acres above station. Flow is slightly regulated by powerplant above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,650 ft³/s May 14, 1984, gage height, 7.12 ft, site and datum then in use; minimum, 4.7 ft³/s Nov. 28, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Feb. 24	1130	*195	*4.66	No other peak greater than base discharge.			

Minimum discharge, 12 ft³/s Feb. 28.

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	58	e64	e55	54	52	65	64	70	52	49	41	41
2	58	e62	e60	54	52	66	63	68	53	50	41	41
3	58	e54	e58	52	52	66	64	66	51	48	41	41
4	58	e56	e62	54	52	65	66	65	50	48	41	43
5	58	e56	e60	54	51	68	67	64	51	47	41	43
6	58	e72	60	54	51	65	66	63	50	47	41	42
7	58	e66	61	55	51	66	66	64	52	46	41	41
8	57	e61	61	e55	51	66	65	64	52	45	41	41
9	57	e80	59	e55	51	65	65	66	52	44	41	40
10	56	e76	58	51	51	63	65	65	51	44	41	40
11	57	e73	59	51	51	62	64	62	52	48	41	40
12	56	e60	59	50	52	63	65	58	51	50	41	40
13	57	e60	59	49	52	62	64	60	49	48	41	40
14	57	e62	58	51	53	63	64	59	51	46	41	40
15	58	e61	57	51	53	63	66	58	53	45	41	41
16	58	e56	56	52	53	64	67	61	51	45	40	40
17	57	e56	56	53	52	62	72	60	51	45	41	40
18	57	e60	57	52	52	60	78	58	50	45	40	39
19	57	e56	57	50	51	61	74	57	49	44	39	39
20	57	e56	56	50	57	60	71	58	49	44	40	39
21	57	e58	53	50	64	60	70	57	48	44	41	39
22	58	e56	54	51	70	61	70	58	48	44	41	39
23	77	e56	54	52	68	62	68	56	48	43	41	37
24	63	e56	54	52	66	62	67	57	47	43	40	41
25	60	e56	54	52	66	62	66	56	47	43	41	40
26	60	e60	53	52	64	62	65	56	47	42	41	40
27	66	e58	53	52	65	63	64	55	48	44	42	40
28	61	e58	54	52	54	62	63	55	46	43	42	40
29	59	e58	55	52	63	62	65	55	45	42	42	39
30	58	e57	54	51	---	62	67	54	47	42	41	40
31	e59	---	55	52	---	63	---	53	---	41	41	---
TOTAL	1825	1820	1761	1615	1620	1956	2001	1858	1491	1399	1268	1206
MEAN	58.9	60.7	56.8	52.1	55.9	63.1	66.7	59.9	49.7	45.1	40.9	40.2
MAX	77	80	62	55	70	68	78	70	53	50	42	43
MIN	56	54	53	49	51	60	63	53	45	41	39	37
AC-FT	3620	3610	3490	3200	3210	3880	3970	3690	2960	2770	2520	2390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1992, BY WATER YEAR (WY)

MEAN	93.6	88.0	83.0	79.3	81.8	102	217	302	175	123	107	97.5
MAX	192	174	159	148	269	356	566	940	494	284	239	209
(WY)	1985	1985	1984	1984	1986	1986	1946	1984	1984	1984	1984	1984
MIN	43.2	44.9	40.7	42.9	43.5	47.3	63.9	58.6	49.7	45.1	40.9	40.2
(WY)	1991	1991	1991	1991	1942	1942	1931	1934	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915 - 1992	
ANNUAL TOTAL	26058		19820			
ANNUAL MEAN	71.4		54.2		129	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					53.0	1941
HIGHEST DAILY MEAN	400	Jun 3	80	Nov 9	1530	May 15 1984
LOWEST DAILY MEAN	37	Jan 21	37	Sep 23	26	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	41	Jan 19	39	Sep 17	35	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	51690		39310		93740	
10 PERCENT EXCEEDS	111		65		231	
50 PERCENT EXCEEDS	60		55		96	
90 PERCENT EXCEEDS	44		41		57	

e Estimated

10116500 CUTLER RESERVOIR NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'13", long 112°02'51", in NW¼NW¼SW¼ sec. 26, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, 2 mi north of Beaver Dam, 6 mi north of Collinston.

DRAINAGE AREA (REVISED).--6,265 mi².

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, Utah Power and Light Co. datum.

REMARKS.--Reservoir was drained for maintenance Oct. 31-Mar. 22.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,150 acre-ft July 8-10, elevation, 4,404.50 ft; minimum, 3,854 acre-ft Oct. 1, elevation, 4,402.20 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3854	14340	14700	13650	13990	13990	13300	11630	11960	11960	7164	15420
2	4176	15420	14340	14340	14340	12620	12620	11960	11310	12620	6931	15420
3	4515	13650	13990	12290	14700	13300	12620	12290	11190	13300	6704	15050
4	6481	15050	13990	13650	14700	12620	13300	12620	11190	13650	7164	15050
5	6931	15780	14700	13990	15420	14700	13300	13100	10260	13990	7401	15050
6	7401	14340	15420	13650	14700	15050	13990	13100	9497	14700	7401	14700
7	7892	13990	13650	13650	13990	14700	13990	12290	8669	15420	7644	14340
8	8405	13990	15420	13650	13990	14700	14700	11960	7644	16150	8405	13990
9	8146	13650	15420	14340	13990	13650	14700	11630	6931	16150	8939	13650
10	7892	13990	14700	14700	14340	13650	15420	12290	6263	16150	8669	13300
11	8405	11960	15420	14340	14700	12960	13990	11960	6263	15780	8939	13300
12	8405	13990	15420	14340	13650	12960	13650	12290	5639	16000	9785	12960
13	8405	15420	15050	14340	15490	13300	12960	11630	4691	15780	10380	12620
14	8146	15050	15050	14700	15050	13990	12960	11310	4515	15420	10380	11960
15	8405	15050	14700	13990	13650	14700	13650	11310	5057	15050	11000	11310
16	8669	14700	13650	14340	13650	13300	15420	11630	5639	15780	11630	11000
17	9497	13650	13650	14700	13990	14340	15420	11960	7644	15420	11960	10380
18	10080	13990	14340	14700	14340	13990	13990	12290	9497	15420	12620	9785
19	10380	15420	14340	14700	15050	13990	14340	12760	11310	14340	12620	9497
20	10380	13300	14340	14340	15050	13990	13990	12960	11960	13990	13300	8939
21	11000	13990	13990	13990	15780	14700	13650	13300	12290	12960	13300	8510
22	11000	14340	14340	14340	15780	13300	13990	13650	12620	12290	13300	8146
23	11960	13650	13650	13990	14340	14340	14700	13990	13440	10680	13300	7993
24	13650	13990	13990	13990	14700	13990	13990	13650	13990	9497	13990	7743
25	13990	13990	14340	13300	15050	13990	13650	12960	14340	9215	13990	7498
26	14700	14700	14340	13300	14700	14700	13650	13300	13650	8669	14700	7892
27	13990	13300	15050	13990	14700	13650	13650	13990	12960	8669	15050	8146
28	13300	14340	13990	14200	14700	12960	13650	14340	12290	8405	15420	8405
29	14340	14340	15420	14340	13990	13990	13300	13990	11960	7892	15780	8405
30	14700	14700	13300	15420	---	13650	11960	13650	11310	7644	15780	8405
31	15420	---	12290	15050	---	13650	---	12620	---	7164	15420	---
MAX	15420	15780	15420	15420	15780	15050	15420	14340	14340	16150	15780	15420
MIN	3854	11960	12290	12290	13650	12620	11960	11310	4515	7164	6704	7498
(#)	4404.40	4404.30	4403.95	4404.35	4404.20	4404.15	4403.90	4404.00	4403.80	4403.05	4404.40	4403.30
(*)	+11929	-720	-2410	+2760	-1060	-340	-1690	+660	-1310	-4146	+8256	-7015

CAL YR 1991 . . . . . (*) ---
WTR YR 1992 . . . . . (*) +4914

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10117000 HAMMOND (EAST SIDE) CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'51", long 112°03'24", in SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collingston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records fair. Canal diverts from east side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--78 years (water years 1913-81, 1983-92), 51.7 ft^3/s, 37,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft^3/s June 29, 1963, May 2, 1977; no flow at times in each year.

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	65	.00	.00	.00	.00	.00	.00	160	157	138	131	36
2	66	.00	.00	.00	.00	.00	.00	161	156	129	130	36
3	66	.00	.00	.00	.00	.00	.00	161	155	130	123	36
4	67	.00	.00	.00	.00	.00	.00	162	158	130	112	36
5	68	.00	.00	.00	.00	.00	.00	163	160	131	109	36
6	68	.00	.00	.00	.00	.00	.00	165	161	131	110	36
7	68	.00	.00	.00	.00	.00	.00	164	160	131	111	36
8	68	.00	.00	.00	.00	.00	.00	165	163	132	112	36
9	68	.00	.00	.00	.00	.00	.00	165	163	132	115	36
10	71	.00	.00	.00	.00	.00	.00	166	162	133	114	35
11	72	.00	.00	.00	.00	.00	.00	166	161	132	108	35
12	72	.00	.00	.00	.00	.00	.00	165	160	133	109	35
13	72	.00	.00	.00	.00	.00	.00	165	161	133	107	35
14	72	.00	.00	.00	.00	.00	.00	164	163	132	107	80
15	71	.00	.00	.00	.00	.00	.00	164	160	132	106	144
16	71	.00	.00	.00	.00	.00	.00	163	151	133	105	149
17	59	.00	.00	.00	.00	.00	.00	162	149	132	106	143
18	55	.00	.00	.00	.00	.00	.00	162	150	132	106	137
19	55	.00	.00	.00	.00	.00	.00	159	152	131	106	133
20	55	.00	.00	.00	.00	.00	.00	155	150	130	105	129
21	55	.00	.00	.00	.00	.00	.00	155	151	128	128	123
22	55	.00	.00	.00	.00	.00	46	152	152	130	148	62
23	46	.00	.00	.00	.00	.00	105	151	152	134	151	10
24	35	.00	.00	.00	.00	.00	136	150	151	133	152	11
25	31	.00	.00	.00	.00	.00	147	150	152	131	151	11
26	25	.00	.00	.00	.00	.00	158	150	151	130	152	11
27	24	.00	.00	.00	.00	.00	165	150	151	136	153	11
28	24	.00	.00	.00	.00	.00	165	153	151	133	155	11
29	24	.00	.00	.00	.00	.00	154	156	151	131	94	11
30	14	.00	.00	.00	---	.00	161	158	148	131	36	11
31	.00	---	.00	.00	---	.00	---	161	---	131	36	---
TOTAL	1662.00	0.00	0.00	0.00	0.00	0.00	1237.00	4943	4662	4085	3588	1651
MEAN	53.6	.000	.000	.000	.000	.000	41.2	159	155	132	116	55.0
MAX	72	.00	.00	.00	.00	.00	165	166	163	138	155	149
MIN	.00	.00	.00	.00	.00	.00	.00	150	148	128	36	10
AC-FT	3300	.00	.00	.00	.00	.00	2450	9800	9250	8100	7120	3270

CAL YR 1991 TOTAL 19278.37 MEAN 52.8 MAX 173 MIN .00 AC-FT 38240
WTR YR 1992 TOTAL 21828.00 MEAN 59.6 MAX 166 MIN .00 AC-FT 43300

10117500 WEST SIDE CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'55", 112°03'36", in SW¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records fair. Canal diverts from west side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--78 years (water years 1913-81, 1983-92), 251 ft^3/s, 181,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 787 ft^3/s June 23, 1986; no flow for periods in every year except 1914.

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	410	.00	.00	.00	.00	.00	.00	632	700	563	562	345
2	412	.00	.00	.00	.00	.00	.00	632	703	519	561	347
3	411	.00	.00	.00	.00	.00	.00	628	700	494	523	347
4	414	.00	.00	.00	.00	.00	.00	624	699	481	499	348
5	414	.00	.00	.00	.00	.00	.00	621	697	479	493	347
6	414	.00	.00	.00	.00	.00	.00	621	698	480	495	347
7	415	.00	.00	.00	.00	.00	.00	627	695	476	493	349
8	417	.00	.00	.00	.00	.00	.00	631	696	483	495	347
9	416	.00	.00	.00	.00	.00	.00	628	700	500	510	350
10	416	.00	.00	.00	.00	.00	.00	633	697	498	534	349
11	419	.00	.00	.00	.00	.00	.00	634	696	498	545	350
12	420	.00	.00	.00	.00	.00	.00	632	695	498	547	349
13	421	.00	.00	.00	.00	.00	.00	632	688	495	550	349
14	420	.00	.00	.00	.00	.00	.00	629	682	492	548	276
15	419	.00	.00	.00	.00	.00	.00	628	640	477	550	205
16	420	.00	.00	.00	.00	.00	.00	629	595	478	551	201
17	421	.00	.00	.00	.00	.00	.00	631	592	477	548	209
18	418	.00	.00	.00	.00	.00	.00	627	586	486	550	211
19	419	.00	.00	.00	.00	.00	.00	713	581	503	552	201
20	418	.00	.00	.00	.00	.00	.00	738	581	525	553	201
21	405	.00	.00	.00	.00	.00	.00	741	582	543	391	201
22	378	.00	.00	.00	.00	.00	.00	746	580	543	199	251
23	350	.00	.00	.00	.00	.00	.00	747	588	541	189	277
24	284	.00	.00	.00	.00	.00	216	744	604	543	190	265
25	220	.00	.00	.00	.00	.00	420	737	626	544	190	234
26	221	.00	.00	.00	.00	.00	538	732	626	545	190	158
27	210	.00	.00	.00	.00	.00	646	723	633	561	191	163
28	177	.00	.00	.00	.00	.00	735	709	632	573	192	167
29	155	.00	.00	.00	.00	.00	642	707	619	572	261	210
30	131	.00	.00	.00	---	.00	627	710	594	564	345	241
31	109	---	.00	.00	---	.00	---	707	---	565	345	---
TOTAL	10974	0.00	0.00	0.00	0.00	0.00	3824.00	20773	19405	15996	13342	8195
MEAN	354	.000	.000	.000	.000	.000	127	670	647	516	430	273
MAX	421	.00	.00	.00	.00	.00	735	747	703	573	562	350
MIN	109	.00	.00	.00	.00	.00	.00	621	580	476	189	158
AC-FT	21770	.00	.00	.00	.00	.00	7580	41200	38490	31730	26460	16250

CAL YR 1991 TOTAL 95798.00 MEAN 262 MAX 729 MIN .00 AC-FT 190000
WTR YR 1992 TOTAL 92509.00 MEAN 253 MAX 747 MIN .00 AC-FT 183500

10118000 BEAR RIVER NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 800 ft downstream from Cutler plant of Utah Power & Light Co., 2,000 ft downstream from Cutler Dam, and 5.5 mi north of Collinston.

DRAINAGE AREA.--6,267 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1889 to current year. Published as "at Collinston" prior to 1900. Monthly discharge only for some periods, published in WSP 1314.

REVISED RCORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to Nov. 8, 1913, nonrecording gage, and Nov. 8, 1913 to Sept. 10, 1938, water-stage recorder, at site 0.8 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records fair. Natural flow of stream affected by storage reservoir, power developments and diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,700 ft³/s Feb. 20, 1986, gage height, 8.68 ft; minimum daily, 10 ft³/s Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug. 5, 1920.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,940 ft³/s Feb. 23; minimum daily, 21 ft³/s, Sept. 26, 27.

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	31	461	957	782	1150	1020	886	28	24	24	24	26
2	30	711	255	635	753	1240	897	28	25	24	24	26
3	31	548	1040	987	701	1170	1040	27	24	25	24	25
4	31	77	1230	697	561	814	1090	26	24	25	24	25
5	31	1240	903	748	791	1020	625	26	24	25	23	23
6	31	896	606	645	741	989	1030	25	24	25	23	24
7	31	1050	1280	977	675	938	590	25	24	25	23	24
8	32	702	954	621	1210	1600	815	25	24	25	22	24
9	32	515	847	777	669	1370	1070	24	23	26	22	24
10	32	598	890	838	255	390	985	23	23	26	22	24
11	32	854	976	800	996	1550	1320	23	22	27	22	24
12	32	258	583	568	785	1080	913	23	23	26	22	24
13	30	321	1200	584	1100	1350	713	23	22	25	22	23
14	30	800	1110	899	922	901	372	23	23	25	24	24
15	30	1220	757	1120	1120	1520	466	23	23	26	27	24
16	31	615	963	474	1190	802	199	23	23	26	27	24
17	31	803	538	865	1160	1270	1100	23	23	27	26	24
18	29	700	848	655	977	550	1060	24	24	27	26	24
19	29	704	915	863	1110	1090	1440	24	24	26	26	24
20	29	1060	956	701	932	1250	997	25	24	25	27	24
21	29	369	990	460	1490	1240	1270	26	24	26	26	24
22	29	658	827	563	1900	867	290	25	24	26	27	24
23	114	461	712	821	1940	1020	691	27	24	26	25	24
24	203	285	708	844	1420	1420	39	28	24	26	25	23
25	192	679	567	855	1210	916	29	28	23	25	25	23
26	514	770	840	784	1460	995	30	27	25	25	25	21
27	626	1290	835	784	986	842	32	26	25	25	25	21
28	365	843	890	784	1180	1530	33	25	25	25	25	22
29	428	998	792	782	1650	343	34	25	25	25	25	23
30	441	856	863	519	---	1440	32	23	25	25	25	24
31	669	---	934	518	---	748	---	23	---	24	26	---
TOTAL	4225	21342	26766	22950	31034	33275	20088	774	714	788	759	713
MEAN	136	711	863	740	1070	1073	670	25.0	23.8	25.4	24.5	23.8
MAX	669	1290	1280	1120	1940	1600	1440	28	25	27	27	26
MIN	29	77	255	460	255	343	29	23	22	24	22	21
AC-FT	8380	42330	53090	45520	61560	66000	39840	1540	1420	1560	1510	1410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

MEAN	1152	1391	1417	1463	1664	2101	2829	2794	2003	600	451	714
MAX	4061	4270	4036	3315	5437	5955	7273	7971	9225	4739	2795	3233
(WY)	1984	1984	1984	1984	1986	1910	1907	1922	1909	1907	1983	1984
MIN	136	420	312	589	729	792	485	25.0	22.5	15.1	14.0	13.9
(WY)	1992	1903	1903	1935	1989	1934	1934	1992	1960	1977	1981	1979

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	248578		163428			
ANNUAL MEAN	681		447		1545	
HIGHEST ANNUAL MEAN					4379	1984
LOWEST ANNUAL MEAN					442	1934
HIGHEST DAILY MEAN	3640	Jun 5	1940	Feb 23	12000	Feb 20 1986
LOWEST DAILY MEAN	18	Mar 26	21	Sep 26	7.2	Sep 20 1981
ANNUAL SEVEN-DAY MINIMUM	18	Mar 26	22	Aug 7	7.5	Sep 15 1981
ANNUAL RUNOFF (AC-FT)	493100		324200		1119000	
10 PERCENT EXCEEDS	1420		1110		3280	
50 PERCENT EXCEEDS	658		95		1260	
90 PERCENT EXCEEDS	21		23		26	

10118000 BEAR RIVER NEAR COLLINSTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--
SEDIMENT CONCENTRATION: Maximum daily mean, 1,920 mg/L, Oct. 31, 1990; minimum daily mean, 10 mg/L, Jan. 1, 1987, Sept. 29, 1992.
SEDIMENT LOADS: Maximum daily, 3,200 tons, Oct. 31, 1990; minimum daily, 0.62 tons, Sept. 29, 1992.

EXTREMES FOR CURRENT YEAR.--
SEDIMENT CONCENTRATIONS: Maximum daily mean, 291 mg/L, Mar. 3; minimum daily mean, 10 mg/L, Sept. 29.
SEDIMENT LOADS: Maximum daily, 1,330 tons, Feb. 23; minimum daily, 0.62 tons, Sept. 29.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	58	4.9	e22	e27	22	57	e30	e63	e42	e130	190	523
2	117	9.5	e28	e54	17	12	e25	e43	e29	e59	221	740
3	52	4.4	e22	e33	23	65	e37	e99	e27	e51	291	919
4	33	2.8	18	3.7	25	83	e27	e51	e22	e33	188	413
5	e48	e4.0	32	107	38	93	e29	e59	e30	e64	156	430
6	e48	e4.0	18	44	40	65	e25	e44	e29	e58	161	430
7	e48	e4.0	21	60	24	83	e37	e98	e26	e47	246	623
8	e48	e4.1	22	42	20	52	e25	e42	e182	e595	273	1180
9	e48	e4.1	28	39	24	55	e30	e63	e119	e215	255	943
10	e48	e4.1	22	36	24	58	e32	e72	e60	e41	82	86
11	e48	e4.1	49	113	38	100	e31	e67	e158	e425	126	527
12	e48	e4.1	37	26	21	33	e23	e35	e134	e284	163	475
13	e48	e3.9	28	24	29	94	e23	e36	e170	e505	e197	e718
14	e48	e3.9	56	121	42	126	e34	e83	e150	e373	e148	e360
15	e48	e3.9	70	231	31	63	e38	e115	e172	e520	e214	e878
16	e48	e4.0	53	88	29	75	e22	e28	e180	e578	e136	e294
17	e48	e4.0	36	78	15	22	e33	e77	e177	e554	e188	e645
18	e48	e3.8	36	68	65	149	e26	e46	e156	e412	e104	e154
19	e48	e3.8	23	44	28	69	e33	e77	e171	e512	e169	e497
20	e48	e3.8	31	89	49	126	e27	e51	e151	e380	e186	e628
21	e48	e3.8	18	18	37	99	e22	e27	e211	e849	e185	e619
22	e48	e3.8	15	27	34	76	e22	e33	e251	e1290	e144	e337
23	e18	e5.5	17	21	e28	e54	e31	e69	e254	e1330	e161	e443
24	e20	e11	20	15	e27	e52	e32	e73	e204	e782	e204	e782
25	e20	e10	19	35	e23	e35	e33	e76	e203	e663	e149	e369
26	e22	e31	20	42	e32	e73	e30	e64	e208	e820	e158	e424
27	e25	e42	39	136	e32	e72	e30	e64	e157	e418	e141	e321
28	e21	e21	34	77	e34	e82	e30	e64	e179	e570	e215	e888
29	e21	e24	32	86	e30	e64	e30	e63	e227	e1010	e74	e69
30	e21	e25	23	53	e33	e77	e22	e31	---	---	120	467
31	e26	e47	---	---	e35	e88	e22	e31	---	---	126	254
TOTAL	---	309.3	---	1837.7	---	2252	---	1844	---	13568	---	16436

DAY	MEA CON TRA (MG	LOAD (TONS/ DAY)	MEAN CONCE TRATI (MG/L	LOAD (TON DAY)	MEAN CONCE TRATI (MG/L	LOAD (TONS DAY)	MEAN CONCE TRATI (MG/L	LOAD (TON DAY)	MEAN CONCE TRATI (MG/L	LOAD (TON DAY)	MEAN CONCE TRATI (MG/L	LOAD (TONS DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	121	289	35	2.6	33	2.1	33	2.1	e39	e2.5	23	1.6
2	108	262	35	2.6	29	2.0	29	1.9	e38	e2.5	24	1.7
3	101	284	35	2.6	50	3.2	34	2.3	e37	e2.4	21	1.4
4	178	524	49	3.4	33	2.1	30	2.0	e36	e2.3	23	1.6
5	129	218	43	3.0	29	1.9	34	2.3	e35	e2.2	22	1.4
6	116	323	35	2.4	29	1.9	32	2.2	e34	e2.1	23	1.5
7	96	153	33	2.2	33	2.1	33	2.2	e33	e2.0	19	1.2
8	167	367	49	3.3	34	2.2	40	2.7	e32	e1.9	20	1.3
9	176	508	42	2.7	34	2.1	30	2.1	e30	e1.8	19	1.2
10	102	271	42	2.6	36	2.2	29	2.0	e29	e1.7	14	.91
11	123	438	34	2.1	27	1.6	e33	e2.4	e27	e1.6	11	.71
12	164	404	48	3.0	22	1.4	e32	e2.2	31	1.8	13	.84
13	116	223	50	3.1	23	1.4	e32	e2.2	31	1.8	11	.68
14	140	141	34	2.1	21	1.3	e31	e2.1	29	1.9	12	.78
15	82	103	32	2.0	16	.99	28	2.0	24	1.7	17	1.1
16	51	27	41	2.5	28	1.7	23	1.6	22	1.6	19	1.2
17	104	309	46	2.9	19	1.2	28	2.0	22	1.5	19	1.2
18	202	578	31	2.0	15	.97	40	2.9	23	1.6	19	1.2
19	221	859	26	1.7	12	.78	36	2.5	15	1.1	15	.97
20	101	272	43	2.9	20	1.3	39	2.6	27	2.0	15	.97
21	113	387	42	2.9	20	1.3	39	2.7	33	2.3	12	.78
22	119	93	35	2.4	15	.97	42	2.9	33	2.4	14	.91
23	73	136	29	2.1	12	.78	37	2.6	31	2.1	12	.78
24	43	4.5	46	3.5	16	1.0	38	2.7	32	2.2	16	.99
25	36	2.8	31	2.3	19	1.2	40	2.7	30	2.0	18	1.1
26	21	1.7	29	2.1	28	1.9	42	2.8	29	2.0	18	1.0
27	26	2.2	24	1.7	34	2.3	38	2.6	29	2.0	14	.79
28	19	1.7	36	2.4	28	1.9	39	2.6	27	1.8	13	.77
29	34	3.1	41	2.8	25	1.7	40	2.7	27	1.8	10	.62
30	31	2.7	31	1.9	35	2.4	42	2.8	30	2.0	11	.71
31	---	---	34	2.1	---	---	e40	e2.6	23	1.6	---	---
TOTAL	---	7187.7	---	77.9	---	49.89	---	74.0	---	60.2	---	31.91
YEAR		43728.60										

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in NE¼SE¼NE¼ sec. 30, T. 10 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 1.2 mi downstream from Salt Creek, 2.0 mi northeast of Corinne, and 2.8 mi downstream from Malad River.

DRAINAGE AREA.--7,029 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft above NGVD of 1929, unadjusted. Auxiliary nonrecording gage 7,800 ft downstream July 27, 1950 to Nov. 21, 1955.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,770 ft³/s May 19, 1984, gage height, 17.50 ft; minimum daily, 47 ft³/s Aug. 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,360 ft³/s Mar. 31; minimum daily discharge, 47 ft³/s Aug. 25.

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	160	541	761	e880	e600	e1000	944	61	74	94	56	58
2	149	518	950	e800	e840	e920	713	60	80	103	61	62
3	149	542	622	e700	e760	e960	777	58	80	103	72	68
4	142	661	888	e860	e630	e930	897	59	76	99	71	69
5	141	297	1070	e750	e540	e860	963	61	73	95	59	72
6	147	834	887	e800	e640	e900	681	62	73	85	57	69
7	150	962	803	e760	e580	e860	866	61	74	79	54	66
8	149	993	1170	e780	e540	e860	666	60	71	82	55	61
9	147	821	922	e700	e700	e1000	662	62	69	84	53	59
10	151	677	864	e740	e600	e960	850	65	68	73	52	58
11	152	803	884	e800	e540	e760	953	66	61	74	53	56
12	148	772	820	e760	e740	e930	1020	66	63	83	53	55
13	144	344	731	e660	e660	e830	850	73	60	116	53	52
14	145	421	875	e705	e800	e900	700	75	64	99	54	53
15	148	734	929	e780	e760	e800	440	74	87	97	50	58
16	157	1040	834	e880	e900	e930	413	76	99	92	52	58
17	159	705	902	e560	e950	e740	379	78	106	80	56	60
18	154	796	746	e640	e910	e800	790	76	97	74	59	59
19	154	714	e952	e600	e860	e605	923	75	82	74	59	60
20	158	821	e940	e520	e900	e823	1150	85	78	72	55	62
21	160	1120	e955	e540	e840	e1020	896	81	79	68	55	64
22	161	578	e960	e540	e1000	e1150	926	82	82	74	53	65
23	173	631	e830	e580	e1100	e980	448	85	77	75	49	65
24	176	622	e740	e675	e1120	e1100	466	84	72	71	48	67
25	248	459	e720	e820	e1050	e1190	330	80	69	67	47	65
26	342	602	e620	e830	e960	e910	127	79	68	68	50	62
27	557	758	e800	e780	e1000	e980	84	82	90	71	51	61
28	709	1050	e800	e760	e950	e900	76	76	94	66	53	65
29	508	770	e840	e750	e900	1290	75	74	82	65	53	68
30	345	859	e800	e740	---	846	70	75	79	65	58	69
31	356	---	e840	e600	---	1360	---	76	---	60	61	---
TOTAL	6739	21445	26455	22290	23370	29094	19135	2227	2327	2508	1712	1866
MEAN	217	715	853	719	806	939	638	71.8	77.6	80.9	55.2	62.2
MAX	709	1120	1170	880	1120	1360	1150	85	106	116	72	72
MIN	141	297	620	520	540	605	70	58	60	60	47	52
AC-FT	13370	42540	52470	44210	46350	57710	37950	4420	4620	4970	3400	3700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

MEAN	1484	1753	1807	1897	1958	2405	2994	3015	2250	801	700	1017
MAX	4240	4471	4414	3639	5966	6041	7258	9598	9201	4186	3045	3423
(WY)	1984	1985	1984	1984	1986	1986	1985	1984	1984	1983	1983	1984
MIN	217	647	648	719	781	913	638	71.8	77.6	80.9	55.2	62.2
(WY)	1992	1989	1991	1992	1989	1991	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	273021		159168			
ANNUAL MEAN	748		435		1837	
HIGHEST ANNUAL MEAN					5050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	3550	Jun 6	1360	Mar 31	14300	May 19 1984
LOWEST DAILY MEAN	79	Jul 3	47	Aug 25	47	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	82	Jul 2	50	Aug 22	50	Aug 22 1992
ANNUAL RUNOFF (AC-FT)	541500		315700		1331000	
10 PERCENT EXCEEDS	1500		941		3740	
50 PERCENT EXCEEDS	720		272		1500	
90 PERCENT EXCEEDS	93		59		139	

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1976 to September 1981.
WATER TEMPERATURES: October 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 6,140 microsiemens July 5, 1979; minimum daily, 440 microsiemens May 25, 1978.
WATER TEMPERATURES: Maximum, 30.0°C July 27, 28, 1978; minimum, 0.0°C on many days during winter period each year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
NOV												
05...	1145	285	1900	8.6	12.0	3.0	6.0	11.0	650	90	240	320
MAR												
19...	1200	604	1090	8.6	7.5	9.5	17	9.6	660	52	78	330
MAY												
13...	1120	74	4830	8.6	23.0	19.0	53	8.9	650	190	510	420
JUL												
28...	1215	69	5650	8.6	33.0	24.5	57	8.3	654	330	160	450

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV												
05...	67	38	260	62	6	20	4	332	279	65	380	0.4
MAR												
19...	71	37	160	50	4	13	10	350	303	60	220	0.3
MAY												
13...	78	54	830	79	18	48	12	367	320	120	1300	0.3
JUL												
28...	76	62	980	81	20	53	13	370	325	120	1600	0.6

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV												
05...	13	1080	1010	1.47	831	0.65	0.63	0.05	0.04	0.70	0.67	0.06
MAR												
19...	13	806	761	1.10	1310	0.77	0.76	0.04	0.03	0.81	0.79	0.05
MAY												
13...	11	2640	2640	3.59	527	0.61	0.62	0.16	0.16	0.77	0.78	0.02
JUL												
28...	16	3210	3110	4.37	598	0.30	0.31	0.16	0.16	0.46	0.47	0.02

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV											
05...	0.07	0.09	0.84	0.90	1.6	7.1	0.17	0.07	0.07	0.06	0.18
MAR											
19...	0.05	0.06	0.55	0.60	1.4	6.2	0.16	0.13	0.06	0.05	0.15
MAY											
13...	0.01	0.01	1.3	1.3	2.1	9.2	0.22	0.03	0.07	0.01	0.03
JUL											
28...	<0.01	--	1.7	1.7	2.2	9.6	0.22	<0.01	0.03	<0.01	--

10126000 BEAR RIVER NEAR CORINNE, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV 05...	1145	20	87	<3	9	160	4
MAR 19...	1200	110	83	<3	150	110	16
MAY 13...	1120	<10	160	<10	17	400	15
JUL 28...	1215	30	<100	<1	10	<10	<10

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV 05...	<10	<1	<1	<1.0	710	<6
MAR 19...	<10	3	<1	<1.0	610	<6
MAY 13...	<40	2	<1	<1.0	1500	<24
JUL 28...	6	1	<1	<1.0	1800	36

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	TEMPERATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
MAR 19...	1200	604	9.5	86	68	111
MAY 13...	1120	74	19.0	--	379	76

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION.--Lat 40°44'22", long 111°14'25", in SE¼NE¼NW¼ sec. 14, T. 1 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on right bank 1.2 mi downstream from South Fork, 2.5 mi upstream from Weber-Provo diversion canal, and 3.5 mi northeast of Oakley.

DRAINAGE AREA.--162 mi².

PERIOD OF RECORD.--October 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 790: 1934. WSP 1394: 1907-09, 1911-12, 1921-22. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,600 ft above NGVD of 1929, from topographic map. Prior to Oct. 25, 1933, staff gage at site 0.2 mi downstream at different datum. Oct. 25, 1933 to Aug. 29, 1955, water-stage recorder at present site at datum 0.5 ft higher. Aug. 29, 1955 to Oct. 27, 1981 at site 0.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several small diversions for irrigation above station. Flow slightly regulated by several small lakes on headwaters and a small reservoir on Smith and Morehouse Creek. Total capacity of lakes and reservoir, 3,400 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,170 ft³/s June 13, 1921, gage height, 9.0 ft, site and datum then in use, from rating curve extended above 2,000 ft³/s; minimum observed, 15 ft³/s Dec. 9, 1977, minimum discharge, 15 ft³/s Dec. 15, 1990, Feb. 27, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 20	0430	*640	*5.93				

Minimum discharge, 22 ft³/s Feb. 18.

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	59	58	e35	44	44	46	66	430	337	100	46	38
2	54	55	e55	38	44	47	69	424	310	99	45	38
3	53	50	e60	46	43	47	74	409	224	94	44	36
4	52	59	62	55	44	48	80	430	208	91	43	40
5	52	56	63	49	40	51	93	451	192	88	43	41
6	51	69	61	51	42	47	88	471	181	86	44	38
7	50	72	67	50	43	49	83	484	176	87	44	36
8	51	64	61	49	45	49	84	498	169	87	48	34
9	50	68	50	40	44	47	86	517	161	84	43	34
10	49	75	52	46	44	46	93	464	155	80	40	33
11	48	66	53	47	44	48	98	444	158	83	40	33
12	48	62	57	48	45	50	117	437	150	102	39	32
13	46	61	57	40	45	51	122	487	143	103	39	33
14	46	62	45	49	44	53	120	550	141	91	39	33
15	46	60	47	45	44	57	136	540	152	85	40	32
16	47	61	48	44	44	56	e160	549	148	81	41	32
17	46	68	47	48	43	55	165	542	137	78	40	33
18	46	73	53	37	40	54	175	526	128	77	39	33
19	46	70	58	41	46	52	164	545	121	74	39	33
20	46	68	44	44	44	49	158	586	115	66	37	33
21	47	73	41	45	45	52	157	541	111	64	37	33
22	47	68	46	47	45	51	169	505	109	61	37	33
23	61	65	49	48	44	54	167	485	107	58	39	34
24	54	70	49	44	43	53	157	450	102	56	37	34
25	52	65	49	45	44	53	159	430	105	54	36	35
26	53	64	48	43	42	57	172	427	108	53	36	35
27	62	64	47	43	43	61	210	424	113	52	36	35
28	58	63	48	42	44	61	276	390	107	51	35	35
29	55	57	51	44	45	63	315	378	102	50	34	35
30	49	47	46	44	---	63	378	382	101	48	34	34
31	53	---	52	44	---	65	---	359	---	47	35	---
TOTAL	1577	1913	1601	1400	1267	1635	4391	14555	4571	2330	1229	1038
MEAN	50.9	63.8	51.6	45.2	43.7	52.7	146	470	152	75.2	39.6	34.6
MAX	62	75	67	55	46	65	378	586	337	103	48	41
MIN	46	47	35	37	40	46	66	359	101	47	34	32
AC-FT	3130	3790	3180	2780	2510	3240	8710	28870	9070	4620	2440	2060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1992, BY WATER YEAR (WY)

MEAN	79.6	70.4	61.0	56.6	56.5	66.4	179	684	913	261	113	83.7
MAX	202	122	105	91.2	86.1	181	515	1279	2178	1486	259	199
(WY)	1983	1913	1984	1984	1915	1986	1910	1914	1909	1907	1983	1983
MIN	36.2	37.6	28.8	37.4	35.0	35.9	64.2	170	81.0	41.7	34.4	32.9
(WY)	1935	1978	1978	1977	1964	1977	1975	1977	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1905 - 1992	
ANNUAL TOTAL	64322		37507			
ANNUAL MEAN	176		102		219	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	1940	Jun 13	586	May 20	4170	Jun 13 1921
LOWEST DAILY MEAN	28	Jan 20	32	Sep 12	20	Dec 1 1977
ANNUAL SEVEN-DAY MINIMUM	37	Jan 1	33	Sep 10	23	Nov 30 1977
ANNUAL RUNOFF (AC-FT)	127600		74400		158600	
10 PERCENT EXCEEDS	432		240		619	
50 PERCENT EXCEEDS	68		52		79	
90 PERCENT EXCEEDS	41		37		49	

e Estimated

10129400 ROCKPORT RESERVOIR NEAR WANSHIP, UT

LOCATION.--Lat 40°47'25", long 111°24'12", in NW¼NW¼SE¼ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, in powerhouse on downstream side of dam on Weber River, 1.2 mi south of Wanship and 1.2 mi upstream from Silver Creek.

DRAINAGE AREA.--334 mi².

PERIOD OF RECORD.--February 1957 to current year. Month-end contents only prior to October 1960, published in WSP 1734.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--No estimated daily contents. Records good. Reservoir is formed by earthfill rock-faced dam; storage began in fall of 1956; dam completed March 1957. Usable capacity, 60,860 acre-ft between elevation 5,930 ft (bottom of outlet tunnel) and 6,037 ft (top of spillway) above mean sea level. Dead storage, 1,260 acre-ft. Figures given herein represent usable contents. Water is used for irrigation, domestic, and industrial purposes.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 65,030 acre-ft June 24, 27, 28, 1967 and June 12, 13, 1983, elevation, 6,040.8 ft; minimum observed since storage began, 152 acre-ft Sept. 10, 15, 1959, elevation, 5,931.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 44,950 acre-ft May 28-30, elevation, 6,020.9 ft; minimum contents, 14,020 acre-ft Sept. 25-27, elevation, 5,976.3 ft.

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

5,975	13,360	5,995	24,730	6,015	39,750
5,980	15,900	6,000	28,150	6,020	44,110
5,985	18,640	6,005	31,800	6,025	48,720
5,990	21,570	6,010	35,660		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40990	35010	30870	27490	30520	34220	38870	41860	44740	38770	30610	19190
2	40770	34910	30730	27540	30690	34590	38900	41990	44690	38510	30220	18970
3	40530	34720	30570	27590	30860	34840	39000	42090	44570	38240	29900	18730
4	40280	34550	30390	27670	30950	35030	39100	42190	44380	37960	29570	18460
5	40050	34480	30200	27790	31110	35250	39290	42300	44210	37660	29300	18250
6	39720	34510	30020	27910	31190	35430	39420	42420	44000	37370	28970	17990
7	39470	34430	29840	28060	31220	35620	39510	42630	43820	37180	28630	17720
8	39220	34250	29700	28190	31270	35730	39600	42800	43670	36940	28290	17410
9	39060	34120	29520	28300	31320	35870	39590	43060	43460	36610	27860	17330
10	38810	34050	29310	28390	31420	36050	39680	43370	43260	36350	27520	17270
11	38560	33930	29090	28530	31530	36220	39780	43600	43040	36160	27350	17240
12	38320	33760	28880	28650	31650	36320	39900	43830	42830	35940	27130	17000
13	37980	33560	28690	28740	31760	36400	40010	44050	42660	35840	26680	16760
14	37730	33380	28460	28860	31880	36540	40160	44340	42510	35670	26190	16500
15	37530	33230	28230	28980	31990	36660	40280	44390	42460	35470	25710	16220
16	37320	33050	28000	29090	32090	36800	40270	44390	42380	35280	25280	15910
17	37100	32870	27760	29210	32200	36910	40200	44370	42320	35050	24780	15620
18	36880	32790	27530	29310	32340	37050	40160	44300	42120	34820	24280	15360
19	36630	32680	27330	29380	32470	37190	40320	44270	41950	34580	23780	15170
20	36300	32540	27130	29450	32650	37310	40520	44310	41750	34330	23280	14980
21	36110	32450	26870	29540	32790	37420	40690	44440	41530	34050	22780	14790
22	36180	32360	26630	29650	32930	37530	40860	44480	41270	33680	22340	14600
23	36330	32190	26420	29840	33100	37650	40930	44540	41000	33370	22020	14420
24	36490	32030	26480	29950	33240	37800	41040	44670	40800	33060	21670	14230
25	36400	31870	26550	30040	33360	37930	41160	44700	40540	32760	21330	14080
26	36190	31710	26650	30080	33500	38050	41280	44710	40260	32460	20970	14080
27	36080	31610	26760	30190	33530	38240	41420	44830	39920	32240	20670	14060
28	35910	31470	26910	30230	33670	38410	41540	44880	39580	31930	20390	14090
29	35620	31310	27060	30300	33910	38530	41630	44870	39410	31620	20100	14110
30	35310	31110	27180	30400	---	38640	41750	44830	39120	31370	19790	14130
31	35150	---	27300	30420	---	38760	---	44770	---	30980	19470	---
MAX	40990	35010	30870	30420	33910	38760	41750	44880	44740	38770	30610	19190
MIN	35150	31110	26420	27490	30520	34220	38870	41860	39120	30980	19470	14060
(#)	6009.3	6004.1	5998.8	6003.1	6007.8	6013.8	6017.3	6020.7	6014.2	6003.9	5986.4	5976.5
(*)	-6080	-4040	-3810	+3120	+3490	+4850	+2990	+3020	-5650	-8140	-11510	-5340

CAL YR 1991 . . . . . (*) +6760
WTR YR 1992 . . . . . (*) -27100

(#) Elevation in feet, at end of month.
(*) Change in contents, in acre-feet.

10129500 WEBER RIVER NEAR WANSHIP, UT

LOCATION.--Lat 40°47'34", Long 111°24'15", in SE¼SE¼NE¼ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 0.1 mi downstream from Wanship Dam, 1.2 mi south of Wanship and 1.25 mi upstream from Silver Creek.

DRAINAGE AREA.--335 mi².

PERIOD OF RECORD.--October 1950 to September 1955, April 1957 to September 1960, October 1988 to current year. Monthly discharges only April 1957 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map. Nov. 17, 1950, to Sept. 30, 1955, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow completely regulated by Wanship Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 ft³/s May 30, 1951, gage height, 4.73 ft, site and datum then in use; minimum daily, 0.1 ft³/s Nov. 17-22, 1957.

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	203	192	199	25	e25	26	23	75	206	198	158	135
2	205	192	201	e25	e25	26	23	73	206	196	159	172
3	208	192	201	e25	e25	26	23	73	203	191	157	173
4	206	192	199	e25	e25	26	25	74	201	191	159	174
5	205	189	196	e25	e25	26	26	73	201	193	164	171
6	203	188	196	e25	e25	26	26	73	194	189	167	170
7	192	191	201	e25	e25	26	26	74	193	191	168	169
8	193	191	201	e25	e26	26	26	76	198	191	170	121
9	194	192	201	e25	e27	26	26	75	197	193	169	65
10	193	193	205	e25	e27	26	26	73	196	192	168	68
11	192	195	209	e25	e27	26	26	73	198	195	195	102
12	190	194	204	e25	e27	26	26	73	195	193	212	170
13	189	192	206	e25	e27	27	26	72	201	192	224	172
14	187	193	205	e25	e27	27	26	75	209	188	227	171
15	186	196	205	e25	27	26	53	150	208	178	234	168
16	185	200	205	e25	27	26	110	190	205	175	238	162
17	185	198	206	e25	27	26	166	192	204	174	235	149
18	185	198	205	e25	27	26	166	193	205	163	238	122
19	187	198	205	e25	27	26	107	195	201	160	243	106
20	189	198	205	e25	27	26	73	197	203	160	245	103
21	187	202	204	e25	27	26	73	199	217	164	251	100
22	89	205	201	e25	26	26	73	196	209	169	212	115
23	35	203	201	e25	26	26	74	191	207	166	182	124
24	35	201	85	e25	26	26	74	195	206	164	180	124
25	125	201	25	e25	26	26	73	189	208	162	179	81
26	196	201	25	e25	26	26	72	189	207	160	177	24
27	197	201	25	e25	26	26	71	189	203	159	172	23
28	205	201	25	e25	26	24	73	183	200	159	174	21
29	208	201	25	e25	26	23	73	198	197	161	173	25
30	208	201	25	e25	---	24	72	207	200	159	171	25
31	200	---	25	e25	---	24	---	206	---	157	149	---
TOTAL	5562	5891	4921	775	760	799	1757	4291	6078	5483	5950	3505
MEAN	179	196	159	25.0	26.2	25.8	58.6	138	203	177	192	117
MAX	208	205	209	25	27	27	166	207	217	198	251	174
MIN	35	188	25	25	25	23	23	72	193	157	149	21
AC-FT	11030	11680	9760	1540	1510	1580	3490	8510	12060	10880	11800	6950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-55, 1958, 1989-92, BY WATER YEAR (WY)

MEAN	122	119	115	80.0	83.7	100	205	381	436	192	168	136
MAX	192	196	258	131	160	188	683	1448	1265	416	333	288
(WY)	1989	1992	1958	1958	1958	1958	1952	1952	1952	1990	1989	1958
MIN	57.5	60.6	25.5	23.8	15.8	25.8	30.0	42.3	137	90.9	61.9	55.9
(WY)	1955	1958	1991	1991	1991	1992	1991	1957	1957	1954	1954	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951-55, 1958, 1989-92	
ANNUAL TOTAL	61817.4		45772			
ANNUAL MEAN	169		125		184	
HIGHEST ANNUAL MEAN					385	1952
LOWEST ANNUAL MEAN					125	1992
HIGHEST DAILY MEAN	1380	Jun 14	251	Aug 21	2120	May 4 1952
LOWEST DAILY MEAN	7.0	Feb 21	21	Sep 28	.10	Nov 17 1957
ANNUAL SEVEN-DAY MINIMUM	7.7	Feb 15	23	Mar 28	.11	Nov 16 1957
ANNUAL RUNOFF (AC-FT)	122600		90790		133200	
10 PERCENT EXCEEDS	291		205		324	
50 PERCENT EXCEEDS	189		164		120	
90 PERCENT EXCEEDS	23		25		29	

e Estimated

10130000 SILVER CREEK NEAR WANSHIP, UT

LOCATION.--Lat 40°45'25", long 111°28'15", in NW¼NW¼SW¼ sec. 2, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 50 ft downstream from culvert at crossover between interstate 80 lanes, 4 mi upstream from mouth, 4.5 mi southwest of Wanship.

DRAINAGE AREA.--27.9 mi².

PERIOD OF RECORD.--October 1941 to September 1946, July 1982 to September 1985, October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map. October 1941 to September 1946, July 1982 to September 1985 water-stage recorder at approximately same site at different datums.

REMARKS.--Records fair. Several diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 430 ft³/s Apr. 4, 1942, gage height, 4.28 ft, site and datum then is use; minimum, practically no flow at times in 1942 and 1943.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 11 ft³/s Nov. 6, 7, 15; minimum daily, 1.2 ft³/s July 27, Aug. 5, 6.

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	4.8	8.7	e7.2	5.5	4.4	5.2	4.6	4.7	1.9	1.7	1.4	1.8
2	4.7	8.8	7.7	5.5	4.4	6.0	4.2	4.5	1.9	1.6	1.4	1.7
3	4.6	e8.2	7.8	5.5	4.3	6.4	4.1	4.3	1.8	1.5	1.3	1.6
4	4.5	9.1	7.9	5.4	4.2	6.1	4.3	4.4	1.8	1.5	1.3	1.7
5	4.9	9.6	7.6	5.4	4.6	6.6	4.2	4.5	1.9	1.5	1.2	1.7
6	4.9	11	7.5	5.3	4.3	6.6	4.2	4.3	1.8	1.4	1.2	1.7
7	4.6	11	7.6	5.3	4.2	6.6	4.2	4.2	1.9	1.4	1.3	1.7
8	4.5	10	7.5	5.3	4.0	6.0	4.2	3.8	1.9	1.4	1.3	1.6
9	4.6	10	7.4	5.4	4.1	5.1	4.2	4.7	2.0	1.3	1.3	1.6
10	4.7	10	7.6	5.4	4.2	4.8	4.1	4.5	2.0	1.4	1.3	1.7
11	4.8	9.6	7.0	5.2	4.3	4.8	4.1	4.2	2.0	1.4	1.3	1.7
12	5.0	9.6	6.9	5.1	4.4	4.9	4.1	3.6	2.1	1.5	1.4	1.8
13	5.2	9.6	6.6	5.4	4.6	4.9	4.2	3.6	2.2	1.5	1.4	1.7
14	5.3	10	e6.0	5.2	4.5	5.1	3.9	3.6	2.2	1.5	1.4	1.6
15	5.2	11	6.3	5.0	4.6	5.3	4.0	3.3	2.4	1.3	1.5	1.7
16	5.7	9.9	e5.4	4.9	4.5	5.6	4.1	3.3	2.2	1.3	1.5	1.7
17	5.4	9.7	6.1	4.9	4.3	6.0	4.4	3.0	2.3	1.4	1.4	1.7
18	5.4	9.9	5.8	5.0	4.2	6.2	4.9	2.7	2.3	1.4	1.4	1.8
19	5.6	10	5.8	5.0	4.2	6.1	4.7	2.2	2.1	1.4	1.5	1.8
20	5.8	9.6	6.2	5.0	4.2	5.9	4.4	1.8	2.0	1.3	1.4	1.8
21	5.9	9.2	e5.2	e4.2	4.6	5.8	4.3	2.2	2.0	1.3	1.5	1.7
22	6.0	9.4	6.1	4.6	4.7	5.7	5.1	2.4	1.9	1.3	1.6	1.8
23	7.3	e8.6	e6.6	4.5	4.6	5.6	4.7	2.1	1.7	1.3	1.7	1.8
24	7.7	9.1	e6.4	4.5	4.5	5.8	4.3	2.1	1.7	1.3	1.6	1.8
25	7.4	8.9	e6.2	4.4	4.4	5.8	4.1	1.9	1.7	1.3	1.7	1.8
26	7.4	9.4	e6.0	4.4	4.3	5.7	4.0	1.9	1.7	1.3	1.5	1.8
27	8.3	9.6	e5.2	4.4	4.2	6.4	3.9	2.1	1.8	1.2	1.5	1.9
28	8.4	8.8	5.5	4.4	4.4	5.7	3.9	1.9	1.6	e1.3	1.5	1.8
29	8.4	8.3	5.6	4.3	4.6	5.4	3.9	1.8	1.6	e1.3	1.6	1.8
30	e8.4	e8.0	5.6	4.3	---	5.1	4.2	1.7	1.6	e1.3	1.7	1.9
31	e8.6	---	5.5	4.4	---	4.7	---	1.8	---	e1.3	1.8	---
TOTAL	184.0	284.6	201.8	153.1	126.8	175.9	127.5	97.1	58.0	42.9	44.9	52.2
MEAN	5.94	9.49	6.51	4.94	4.37	5.67	4.25	3.13	1.93	1.38	1.45	1.74
MAX	8.6	11	7.9	5.5	4.7	6.6	5.1	4.7	2.4	1.7	1.8	1.9
MIN	4.5	8.0	5.2	4.2	4.0	4.7	3.9	1.7	1.6	1.2	1.2	1.6
AC-FT	365	565	400	304	252	349	253	193	115	85	89	104

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1992, BY WATER YEAR (WY)

MEAN	6.56	6.35	4.82	3.93	4.86	14.9	27.4	13.1	9.08	2.38	2.32	3.55
MAX	12.5	9.49	7.82	5.82	7.40	33.9	45.6	35.6	29.5	6.70	7.73	8.38
(WY)	1986	1992	1985	1985	1991	1943	1942	1983	1983	1985	1983	1984
MIN	2.26	2.77	2.11	2.00	3.00	5.67	4.25	3.13	.86	.39	.000	.37
(WY)	1945	1945	1945	1944	1942	1992	1992	1992	1946	1944	1942	1942

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1942 - 1992	
ANNUAL TOTAL	3112.00		1548.8			
ANNUAL MEAN	8.53		4.23		8.19	
HIGHEST ANNUAL MEAN					14.7	1983
LOWEST ANNUAL MEAN					4.23	1992
HIGHEST DAILY MEAN	88	Mar 5	11	Nov 6	206	Apr 4 1942
LOWEST DAILY MEAN	.90	Apr 18	1.2	Jul 27	.00	Jul 2 1942
ANNUAL SEVEN-DAY MINIMUM	2.1	Jul 21	1.3	Aug 3	.00	Aug 1 1942
ANNUAL RUNOFF (AC-FT)	6170		3070		5930	
10 PERCENT EXCEEDS	17		7.8		18	
50 PERCENT EXCEEDS	5.7		4.3		4.7	
90 PERCENT EXCEEDS	2.6		1.4		.90	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40°53'43", long 111°24'04", in NE¼SW¼NE¼ sec. 20, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi upstream from high-water line of Echo Reservoir, 1.4 mi south of Coalville, 1.7 mi upstream from Chalk Creek, and 5.5 mi downstream from Silver Creek.

DRAINAGE AREA.--435 mi².

PERIOD OF RECORD.--April 1927 to current year.

REVISED RECORDS.--WSP 1314: 1943(M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,600 ft above NGVD of 1929, from topographic map. Prior to Mar. 22, 1931, nonrecording gage, Mar. 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. No diversion between station and Echo Reservoir. Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by several small reservoirs above station, and since Apr. 1, 1957, by Rockport Reservoir (see station 10129400).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft³/s May 6, 1952; maximum gage height, 5.08 ft (present datum) May 29, 1951; minimum, 6 ft³/s Sept. 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 284 ft³/s June 22, gage height, 2.36 ft; minimum daily discharge, 15 ft³/s Apr. 14.

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	202	219	192	37	e38	42	37	52	186	186	164	165
2	199	218	194	e37	e38	46	35	48	190	186	169	164
3	201	215	195	e38	e38	49	35	44	187	189	169	181
4	201	218	195	e37	e38	48	33	44	190	190	171	183
5	199	218	194	e36	e38	49	33	38	189	185	169	180
6	203	225	194	e35	e38	53	33	38	185	186	169	164
7	199	224	192	33	e38	52	32	41	192	186	169	155
8	196	220	192	33	e39	52	30	50	194	184	162	134
9	197	219	190	e33	e40	45	28	56	194	180	162	62
10	199	220	191	e32	e40	43	28	55	190	178	170	55
11	197	215	202	e34	e40	42	29	52	191	179	193	65
12	199	213	188	e36	e40	41	29	49	193	195	202	143
13	201	212	187	e38	e40	41	24	45	195	193	227	152
14	202	215	190	e40	e40	40	15	45	196	185	231	150
15	199	217	188	e40	e40	40	24	89	207	186	245	148
16	196	213	183	e39	e40	39	74	154	206	188	257	151
17	198	211	186	e38	e40	38	162	157	208	186	254	154
18	197	215	184	e37	e40	38	169	156	206	179	257	138
19	198	213	185	e36	e40	37	121	158	200	176	258	116
20	199	210	185	e35	e40	36	65	163	196	182	261	121
21	202	217	193	e36	e40	36	55	175	207	187	264	120
22	135	211	189	e37	41	35	54	182	202	184	226	119
23	55	202	183	e38	40	35	55	188	191	176	186	116
24	57	204	113	e39	38	36	53	191	191	177	183	116
25	117	202	41	e40	37	37	50	182	193	178	182	101
26	219	203	e39	e39	37	37	48	181	198	178	179	38
27	233	205	e38	e39	37	41	46	191	191	180	179	33
28	242	204	e37	e38	38	41	48	188	187	186	179	27
29	243	201	e37	e38	39	38	51	190	176	189	180	26
30	245	195	e36	e38	---	38	48	195	182	191	180	24
31	231	---	35	e38	---	37	---	190	---	180	162	---
TOTAL	5961	6374	4748	1144	1132	1282	1544	3587	5813	5705	6159	3501
MEAN	192	212	153	36.9	39.0	41.4	51.5	116	194	184	199	117
MAX	245	225	202	40	41	53	169	195	208	195	264	183
MIN	55	195	35	32	37	35	15	38	176	176	162	24
AC-FT	11820	12640	9420	2270	2250	2540	3060	7110	11530	11320	12220	6940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1992, BY WATER YEAR (WY)

MEAN	133	136	131	120	125	165	259	439	543	202	137	128
MAX	397	246	400	397	307	615	886	1529	1550	672	346	277
(WY)	1985	1986	1984	1984	1985	1986	1952	1952	1983	1975	1983	1958
MIN	21.2	32.0	27.9	20.0	28.1	27.5	31.4	44.3	43.8	14.9	21.1	9.80
(WY)	1935	1962	1978	1957	1981	1981	1981	1959	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1932 - 1992	
ANNUAL TOTAL	65170		46950			
ANNUAL MEAN	179		128		210	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	1350	Jun 14	264	Aug 21	2140	May 6 1952
LOWEST DAILY MEAN	13	Feb 12	15	Apr 14	7.0	Sep 18 1934
ANNUAL SEVEN-DAY MINIMUM	17	Feb 10	25	Apr 9	8.0	Sep 16 1934
ANNUAL RUNOFF (AC-FT)	129300		93130		152100	
10 PERCENT EXCEEDS	291		211		431	
50 PERCENT EXCEEDS	190		167		146	
90 PERCENT EXCEEDS	36		37		45	

e Estimated

10131000 CHALK CREEK AT COALVILLE, UT

LOCATION.--Lat 40°55'14", long 111°24'03", in NW¼NE¼SE¼ sec. 8, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 100 ft downstream from bridge on U.S. Highway 189 in Coalville and 0.3 mi upstream from mouth.

DRAINAGE AREA.--250 mi².

PERIOD OF RECORD.--November 1904, March to November 1905, April 1927 to current year.

REVISED RECORDS.--WSP 1564: 1929. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,560.6 ft above NGVD of 1929. Prior to Feb. 13, 1931, nonrecording gage at site 100 ft upstream at different datum. Feb. 13, 1931 to Oct. 15, 1941, water-stage recorder at site 300 ft upstream at different datum. Oct. 16, 1941 to Sept. 30, 1987 at datum 3.0 ft lower.

REMARKS.--No estimated daily discharges, records good. Diversions above station used for irrigation of land in the drainage basin above the station. Flow slightly affected by Chalk Creek Reservoir, capacity, 1,600 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft³/s June 1, 1983, gage height, 5.26 ft; minimum, less than 1.0 ft³/s for several days in 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 9	2100	*143	*3.96				

Minimum discharge, 2.1 ft³/s Sept. 16.

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	17	31	12	18	19	29	31	99	43	22	7.7	8.5
2	17	29	22	18	18	29	32	86	45	30	7.1	8.1
3	18	19	25	18	18	31	32	80	45	23	10	9.3
4	17	32	23	18	18	35	33	84	42	21	14	14
5	17	31	23	19	17	37	35	81	40	15	15	16
6	18	38	23	19	17	32	35	87	38	13	17	11
7	17	46	26	20	18	38	34	83	38	11	19	8.6
8	16	35	26	20	19	41	32	87	39	12	41	7.5
9	16	35	17	19	20	36	34	114	38	13	23	7.5
10	16	47	21	20	20	33	38	113	37	11	17	7.6
11	16	39	23	21	20	34	39	92	39	10	15	8.6
12	16	32	22	20	19	37	45	82	38	11	10	8.5
13	15	31	23	20	21	37	49	85	33	18	8.4	6.9
14	16	33	17	21	21	40	47	98	32	18	7.5	6.5
15	17	31	19	20	17	42	46	84	36	15	6.6	7.0
16	18	29	19	21	22	39	48	82	41	14	7.0	6.9
17	16	26	19	20	18	35	51	75	48	11	7.2	6.9
18	17	34	20	18	14	32	72	66	44	10	7.0	6.9
19	18	30	22	19	21	30	63	60	35	10	8.2	7.5
20	19	24	20	19	24	26	53	68	28	9.5	9.2	7.2
21	19	39	18	19	26	27	40	71	29	9.9	10	7.2
22	19	26	18	19	28	26	51	80	29	9.0	9.1	7.2
23	28	16	20	19	25	27	57	77	26	8.3	9.2	7.5
24	32	29	19	19	19	27	43	72	20	7.2	8.8	8.1
25	28	36	19	19	27	27	44	66	24	6.1	9.7	8.0
26	28	33	18	19	21	28	42	55	23	8.0	7.7	7.9
27	33	30	17	19	24	33	46	85	26	9.6	8.2	6.9
28	31	29	17	18	27	35	63	73	22	12	9.5	6.9
29	27	22	17	18	28	33	83	67	18	11	9.3	7.4
30	24	11	18	18	---	33	93	65	20	8.1	8.4	7.8
31	22	---	19	18	---	32	---	52	---	8.3	7.3	---
TOTAL	628	923	622	593	606	1021	1411	2469	1016	395.0	354.1	245.9
MEAN	20.3	30.8	20.1	19.1	20.9	32.9	47.0	79.6	33.9	12.7	11.4	8.20
MAX	33	47	26	21	28	42	93	114	48	30	41	16
MIN	15	11	12	18	14	26	31	52	18	6.1	6.6	6.5
AC-FT	1250	1830	1230	1180	1200	2030	2800	4900	2020	783	702	488

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1992, BY WATER YEAR (WY)

MEAN	21.3	23.6	20.9	20.6	23.6	38.8	118	277	174	45.3	22.8	21.1
MAX	66.7	60.3	54.2	49.8	94.6	168	378	775	811	194	89.9	69.2
(WY)	1983	1985	1984	1984	1986	1986	1986	1986	1983	1983	1984	1983
MIN	1.00	4.57	8.52	8.93	11.6	15.9	13.7	6.90	1.70	1.55	1.48	1.00
(WY)	1935	1935	1940	1961	1940	1964	1934	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1928 - 1992	
ANNUAL TOTAL	18235		10284.0			
ANNUAL MEAN	50.0		28.1		67.3	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	499	Jun 3	114	May 9	1410	Jun 1 1983
LOWEST DAILY MEAN	11	Nov 30	6.1	Jul 25	1.0	Jun 8 1934
ANNUAL SEVEN-DAY MINIMUM	13	Jan 29	6.9	Sep 13	1.0	Aug 19 1934
ANNUAL RUNOFF (AC-FT)	36170		20400		48780	
10 PERCENT EXCEEDS	117		54		181	
50 PERCENT EXCEEDS	28		21		25	
90 PERCENT EXCEEDS	15		8.2		10	

10131500 ECHO RESERVOIR AT ECHO, UT

LOCATION.--Lat 40°57'50", long 111°25'55", in NE¼NW¼SW¼ sec. 30, T. 3 N., R. 5 E., Summit County, Hydrologic Unit 16020101, near outlet works at left end of Echo Dam on Weber River, 1.1 mi southeast of Echo.

DRAINAGE AREA.--726 mi².

PERIOD OF RECORD.--October 1930 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,450 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to 1932, elevations obtained from mercury gage in valve house and staff gage.

REMARKS.--No estimated daily contents, records good. Reservoir is formed by earthfill, rock-faced dam; storage began in October 1930; dam completed in 1931. Capacity, 73,940 acre-ft between elevation 5,450 ft (bottom of outlet tunnel) and 5,560 ft (top of radial gages in spillway) above mean sea level. Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation of the Echo Project.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 75,420 acre-ft June 13, 1983, elevation, 5,561.0 ft; no contents Sept. 12 to Dec. 3, 1931, Sept. 24 to Nov. 2, 1934, Oct. 12 to Nov. 21, 1944, Oct. 1 to Nov. 15, 1954, Sept. 11-20, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 70,820 acre-ft Apr. 19-21, elevation, 5,557.9 ft; minimum, 3,690 acre-ft Sept. 27, 28, elevation, 5,482.0 ft.

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

5,480	3,060	5,505	14,920	5,530	36,100	5,555	66,740
5,485	4,720	5,510	18,480	5,535	41,440	5,560	73,940
5,490	6,730	5,515	22,390	5,540	47,200		
5,495	9,110	5,520	26,620	5,545	53,360		
5,500	11,830	5,525	31,180	5,550	59,880		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25050	30590	46830	57510	60300	63900	68290	66710	58170	48720	35630	16600
2	24990	31080	47180	57590	60500	64030	68430	66290	57690	48720	34870	16120
3	24940	31490	47550	57680	60670	64170	68530	65840	57190	48680	33860	15680
4	24970	31940	48010	57780	60890	64340	68790	65360	56650	48470	33010	15270
5	24910	32340	48430	57860	61010	64500	68920	64880	56160	48220	32240	14990
6	24800	32750	48860	57970	61090	64690	69060	64260	55740	47880	31460	14680
7	24740	33200	49260	58100	61170	64840	69160	63710	55500	47470	30700	14390
8	24640	33620	49700	58200	61370	65010	69150	63210	55170	47090	29940	14080
9	24520	34040	50200	58300	61480	65170	69250	62810	54920	46740	29210	13520
10	24410	34690	50720	58380	61580	65330	69380	62660	54530	46320	28510	12800
11	24350	35330	51190	58480	61720	65460	69650	62460	54150	45860	27860	11970
12	24300	35950	51770	58590	61930	65610	69760	62400	53710	45550	27140	11270
13	24250	36570	52190	58600	62010	65760	69830	62000	53340	45360	26300	10800
14	24140	37200	52730	58640	62070	65980	69860	61600	52970	45390	25600	10350
15	24050	37850	53150	58740	62110	66080	69830	61270	52780	45380	25000	9890
16	24470	38480	53680	58820	62290	66380	69760	61050	52990	45040	24320	9340
17	24860	39090	54130	58930	62470	66490	69790	60900	53210	44690	23760	8830
18	25280	39730	54450	59010	62490	66640	70100	60860	53400	44400	23290	8310
19	25730	40320	54780	59090	62520	66760	70360	60570	53370	43820	22800	7870
20	26160	40920	55150	59130	62690	66760	70400	60140	53170	43140	22320	7340
21	26540	41450	55570	59250	62910	66860	70390	59930	52850	42520	21770	6720
22	27000	41960	55950	59350	63010	66970	70170	59890	52510	42000	21210	6220
23	27490	42440	56370	59450	63090	67230	69880	59930	52160	41430	20830	5670
24	27970	43110	56770	59610	63320	67370	69720	59950	51680	40860	20450	5110
25	28370	43810	56970	59730	63430	67500	69440	60100	51070	40350	19970	4720
26	28510	44520	57060	59810	63580	67610	69150	60000	50670	39700	19500	4430
27	28750	45050	57160	59840	63670	67760	68860	59870	50230	39060	19000	3970
28	29060	45520	57170	59980	63700	67890	68520	59650	49790	38460	18550	3740
29	29370	45930	57200	60140	63760	68050	67930	59280	49330	37700	18120	3840
30	29680	46380	57290	60260	---	68160	67350	58810	48980	37140	17600	3950
31	30150	---	57420	60280	---	68320	---	58560	---	36330	17110	---
MAX	30150	46380	57420	60280	63760	68320	70400	66710	58170	48720	35630	16600
MIN	24050	30590	46830	57510	60300	63900	67350	58560	48980	36330	17110	3740
(#)	5523.9	5539.3	5548.1	5550.3	5552.9	5556.1	5555.4	5549.0	5541.5	5530.2	5508.1	5482.8
(*)	+5170	+16230	+11040	+2860	+3480	+4560	-970	-8790	-9580	-12650	-19220	-13160

CAL YR 1991 . . . . . (*) +27560
WTR YR 1992 . . . . . (*) -21030

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10132000 WEBER RIVER AT ECHO, UT

LOCATION.--Lat 40°58'04", long 111°26'13", in NE¼SE¼NE¼ sec. 25, T. 3 N., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 0.5 mi downstream from Echo Dam, 150 yards upstream from Echo Creek, 0.75 mi southeast of Echo, Ut.

DRAINAGE AREA.--727 mi².

PERIOD OF RECORD.--April 1927 to September 1960, October 1988 to current year. Monthly discharge only October 1958 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above NGVD of 1929, from Echo Reservoir elevations. Prior to Apr. 18, 1931, staff gage at site 0.3 mi upstream at different datum. Apr. 18, 1931 to Mar. 23, 1950, water-stage recorder at site 0.1 mi downstream at different datum. Mar. 24, 1950 to Sept. 30, 1960 water-stage recorder at site 0.25 mi upstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Echo Reservoir (see station 10131500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 ft³/s May 13, 1952, gage height 7.34 ft, datum then in use; minimum discharge, 0.15 ft³/s Jan. 3, 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 637 ft³/s Aug. 2, 3, gage height, 3.27 ft; minimum daily discharge 0.48 ft³/s, Sept. 29.

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	225	.90	1.9	10	12	12	8.7	378	466	252	594	360
2	230	.91	1.9	10	12	13	8.7	358	499	181	632	350
3	240	.89	1.9	10	12	13	8.2	334	481	263	612	372
4	241	.89	1.9	9.8	12	13	8.4	365	455	319	528	367
5	258	.89	1.9	10	13	13	7.8	410	423	349	556	291
6	259	.93	1.9	10	12	13	7.9	415	402	376	543	300
7	259	.95	1.9	10	12	13	7.9	400	381	379	520	311
8	260	.99	1.9	10	12	13	7.9	351	382	356	516	337
9	270	1.2	1.9	11	12	12	8.1	297	384	357	512	368
10	270	1.7	2.2	11	12	12	7.5	248	424	375	535	413
11	269	1.7	3.2	11	13	12	7.5	254	426	403	540	389
12	266	1.7	4.0	11	13	12	37	292	427	343	546	380
13	265	1.7	4.6	11	13	12	49	323	401	195	574	377
14	267	1.8	5.1	11	13	12	68	338	396	213	576	383
15	120	1.7	5.3	11	13	12	118	337	247	338	568	391
16	.93	1.7	5.8	11	13	11	146	342	131	390	554	419
17	.89	1.7	6.3	11	13	11	143	322	107	406	504	390
18	.89	1.8	6.5	11	13	11	127	341	246	410	480	359
19	.89	1.8	6.4	12	13	11	109	391	295	442	487	357
20	.89	1.9	6.7	12	13	11	138	407	364	476	481	374
21	.89	1.9	7.2	11	12	11	189	318	404	444	500	370
22	.91	1.9	7.9	12	12	11	257	245	392	459	508	372
23	1.1	1.9	8.1	12	12	10	179	240	407	462	424	396
24	.97	1.9	8.4	12	12	9.7	185	261	447	482	441	370
25	.96	1.9	8.7	12	12	9.8	229	282	464	497	422	198
26	.94	1.9	8.7	13	12	9.6	223	327	437	499	418	227
27	1.1	1.9	8.7	12	12	9.4	243	376	403	507	404	248
28	.93	1.9	8.8	12	12	9.5	332	429	396	500	395	.53
29	.89	1.9	8.7	12	12	9.1	407	431	386	525	424	.48
30	.89	1.9	8.9	12	---	9.1	383	417	348	556	423	.50
31	.89	---	9.0	13	---	8.9	---	418	---	576	413	---
TOTAL	3713.96	46.75	166.3	346.8	359	349.1	3650.6	10647	11421	12330	15630	9470.51
MEAN	120	1.56	5.36	11.2	12.4	11.3	122	343	381	398	504	316
MAX	270	1.9	9.0	13	13	13	407	431	499	576	632	419
MIN	.89	.89	1.9	9.8	12	8.9	7.5	240	107	181	395	.48
AC-FT	7370	93	330	688	712	692	7240	21120	22650	24460	31000	18780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928-58, 1989-92, BY WATER YEAR (WY)

MEAN	117	114	96.6	94.0	94.1	93.3	184	594	695	453	381	248
MAX	205	263	194	175	214	506	580	2158	1682	650	597	417
(WY)	1928	1928	1928	1928	1952	1952	1938	1952	1950	1957	1990	1990
MIN	1.04	.57	.44	.43	.64	.87	1.12	27.2	235	156	49.9	23.0
(WY)	1989	1991	1955	1955	1955	1955	1955	1991	1934	1928	1931	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1928-58, 1989-92	
ANNUAL TOTAL	71326.80		68131.02			
ANNUAL MEAN	195		186		264	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	1450	Jun 14	632	Aug 2	3010	May 7 1952
LOWEST DAILY MEAN	.17	Jan 3	.48	Sep 29	.17	Jan 3 1991
ANNUAL SEVEN-DAY MINIMUM	.45	Jan 1	.89	Oct 29	.25	Dec 28 1990
ANNUAL RUNOFF (AC-FT)	141500		135100		191600	
10 PERCENT EXCEEDS	588		460		572	
50 PERCENT EXCEEDS	1.9		43		158	
90 PERCENT EXCEEDS	.72		1.8		4.1	

10132490 LOST CREEK RESERVOIR NEAR CROYDON, UT

LOCATION.--Lat 41°11'05", long 111°23'59", in NW¼SE¼NE¼ sec. 8, T. 5 N., R. 5 E., Morgan County, Hydrologic Unit 16020101, 1.9 mi upstream from Hell Canyon and 8.1 mi northeast of Croydon.

DRAINAGE AREA.--123 mi².

PERIOD OF RECORD.--April 1967 to current year.

GAGE.--Indicating float tape in gage house on top of dam until Apr. 29, 1989, water-stage recorder equipped with satellite transmission thereafter. Datum of gage is 5,912.3 ft above NGVD of 1929, (levels by Bureau of Reclamation).

REMARKS.--Records good. Reservoir is formed by earthfill rock-faced dam; active storage began Apr. 22, 1967. Active capacity, 20,010 acre-ft at elevation 6,005.0 ft above mean sea level. Dead storage, 2,500 acre-ft between elevation 5,835.0 ft (streambed at dam axis) and 5,912.3 ft (top of dead storage). Figures given herein represent active contents. Water is used for irrigation, fish and wildlife propagation along Lost Creek, and irrigation, municipal, and industrial use below confluence of Lost Creek and Weber River.

COOPERATION.--Gage-height record until Apr. 29, 1989, and capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 21,270 acre-ft, May 30, June 1, 1983; elevation, 6,008.4 ft. Minimum since original filling of reservoir, 4,130 acre-ft Sept. 30, 1992, elevation, 5,944.5 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 11,140 acre-ft Apr. 26; elevation, 5,977.2 ft; minimum contents, 4,130 acre-ft Sept. 30; elevation, 5,944.5 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

5,940	3,410	5,955	5,980	5,970	9,260
5,945	4,200	5,960	6,990	5,975	10,540
5,950	5,050	5,965	8,090	5,980	11,910

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10150	10040	10150	10240	10250	10420	10760	10970	9110	7650	6040	5060
2	10150	10060	10170	10240	10250	10430	10770	10900	9050	7630	6010	5020
3	10140	10060	10170	10240	10250	10440	10800	10820	9010	7620	5960	4990
4	10140	10050	10170	10240	10260	10440	10830	10740	8970	7610	5890	4970
5	10120	10050	10170	10240	10260	10440	10840	10660	8920	7580	5820	4940
6	10120	10060	10170	10240	10260	10450	10850	10600	8890	7570	5740	4920
7	10110	10090	10180	10240	10280	10460	10860	10510	8870	7520	5670	4890
8	10100	10100	10180	10230	10290	10480	10870	10430	8830	7450	5620	4860
9	10100	10110	10200	10230	10290	10490	10880	10390	8810	7380	5590	4820
10	10090	10130	10210	10230	10290	10500	10890	10370	8780	7310	5570	4770
11	10080	10140	10210	10230	10300	10510	10900	10320	8730	7280	5570	4710
12	10080	10150	10210	10230	10300	10550	10920	10270	8700	7270	5570	4660
13	10070	10150	10210	10230	10300	10560	10940	10210	8680	7240	5550	4620
14	10070	10160	10210	10230	10310	10580	10950	10160	8650	7210	5530	4590
15	10060	10150	10210	10230	10310	10590	10960	10080	8630	7170	5510	4550
16	10060	10150	10210	10230	10320	10610	10970	10020	8610	7110	5480	4500
17	10050	10150	10210	10240	10300	10620	10990	9980	e8590	7070	5460	4450
18	10050	10160	10210	10240	10300	10630	11020	9920	e8570	7000	5440	4410
19	10040	10160	10240	10240	10300	10620	11040	9860	e8550	6930	5400	4370
20	10040	10160	10240	10240	10310	10630	11060	9800	e8530	6850	5360	4330
21	10030	10150	10240	10240	10320	10650	11070	9740	e8510	6740	5310	4300
22	10030	10150	10240	10240	10330	10660	11090	9690	e8470	6620	5270	4280
23	10030	10150	10240	10240	10350	10670	11110	9630	8440	6500	5260	4260
24	10030	10150	10240	10240	10370	10680	11120	9580	8370	6380	5240	4240
25	10030	10150	10240	10240	10370	10680	11130	9530	8280	6300	5220	4230
26	10030	10150	10240	10240	10380	10690	11140	9470	8150	6260	5210	4210
27	10030	10160	10240	10240	10390	10690	11120	9390	8020	6230	5190	4190
28	10030	10170	10240	10240	10390	10690	11090	9320	7920	6190	5180	4170
29	10040	10140	10240	10240	10400	10720	11070	9250	7840	6160	5150	4150
30	10040	10150	10240	10250	---	10730	11020	9200	7740	6110	5120	4130
31	10040	---	10240	10250	---	10740	---	9140	---	6070	5090	---
MAX	10150	10170	10240	10250	10400	10740	11140	10970	9110	7650	6040	5060
MIN	10030	10040	10150	10230	10250	10420	10760	9140	7740	6070	5090	4130
(#)	5973.0	5973.5	5973.8	5973.9	5974.5	5975.8	5976.7	5969.4	5963.1	5955.4	5950.1	5944.5
(*)	-110	+110	+90	+10	+150	+340	+280	-1880	-1400	-1670	-980	-960

CAL YR 1991 . . . . . (*) +2350
WTR YR 1992 . . . . . (*) -6020

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
e Estimated

10133540 KIMBALL CREEK ABOVE EAST CANYON CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°43'31", long 111°30'49", in NW¼NE¼NE¼ sec. 20, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank below foot-bridge in State rest area along Interstate I-80, 1.5 mi east of Kimball Junction and 5.5 mi north of Park City.

DRAINAGE AREA.--12.2 mi².

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1.3 ft³/s Apr. 18, 22; minimum daily discharge, .01 ft³/s many days during July, August and September.

REVISIONS.--Revised daily discharges, in cubic feet per second, for September 1991, are given below. These figures supersede those published in the report for 1991.

September 1 . . . 0.02	September 9 . . . 0.02	September 17 . . . 0.02	September 25 . . . 0.03
2 . . . 0.02	10 . . . 0.02	18 . . . 0.02	26 . . . 0.03
3 . . . 0.02	11 . . . 0.02	19 . . . 0.02	27 . . . 0.03
4 . . . 0.02	12 . . . 0.02	20 . . . 0.02	28 . . . 0.02
5 . . . 0.02	13 . . . 0.02	21 . . . 0.02	29 . . . 0.02
6 . . . 0.02	14 . . . 0.02	22 . . . 0.02	30 . . . 0.03
7 . . . 0.02	15 . . . 0.02	23 . . . 0.02	
8 . . . 0.02	16 . . . 0.02	24 . . . 0.03	

MONTH	TOTAL	MEAN	MAX	MIN	AC-FT
September 1991	0.65	0.02	.03	.02	1.3
WTR YR 1991	495.58	1.36	30	.01	983

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.04	e.04	e.07	.06	.54	.98	.55	.07	.02	.01	.01
2	.03	.04	e.04	e.06	.06	.60	.97	.51	.06	.02	.01	.01
3	.03	e.03	e.04	e.07	.06	.67	.95	.48	.06	.02	.01	.01
4	.03	.04	e.05	e.06	.06	.71	.94	.44	.06	.02	.01	.01
5	.03	.04	e.05	e.06	.06	.92	.99	.42	.05	.02	.01	.01
6	.03	.05	e.05	.07	.06	.82	.99	.39	.05	.01	.01	.01
7	.03	.05	e.06	.07	.06	.81	.99	.36	.05	.01	.01	.01
8	.03	.05	e.06	.07	.06	.82	1.0	.36	.05	.01	.01	.01
9	.03	.04	e.06	.07	.06	.78	.98	.34	.05	.01	.01	.01
10	.03	.04	e.05	.07	.06	.75	.97	.33	.04	.01	.01	.01
11	.03	.05	e.05	.07	.07	.81	.96	.31	.04	.01	.01	.01
12	.03	.05	e.06	.07	.08	.84	.94	.28	.04	.01	.01	.01
13	.03	.05	e.06	.06	.09	.90	.95	.25	.03	.01	.01	.01
14	.03	.05	e.07	.07	.09	.99	.91	.24	.03	.01	.01	.01
15	.03	.05	e.06	.07	.10	1.0	.87	.21	.03	.01	.01	.01
16	.03	.05	e.07	.07	.11	1.0	.89	.20	.03	.01	.01	.01
17	.03	.05	e.07	.07	.11	1.1	.96	.18	.03	.01	.01	.01
18	.03	.05	e.07	.07	.14	1.1	1.3	.16	.03	.01	.01	.01
19	.04	.05	e.08	.07	.13	1.0	1.2	.16	.02	.01	.01	.01
20	.04	.05	e.07	e.05	.16	.96	1.1	.15	.02	.01	.01	.01
21	.04	.05	e.06	e.05	.18	.96	1.0	.13	.02	.01	.01	.01
22	.04	.05	e.07	e.05	.19	.89	1.3	.13	.02	.01	.01	.01
23	.04	e.05	e.07	e.06	.21	.90	1.2	.12	.02	.01	.01	.01
24	.04	e.04	e.07	e.06	.21	1.0	1.0	.11	.02	.01	.01	.01
25	.04	e.04	e.07	.07	.24	1.0	.92	.11	.02	.01	.01	.01
26	.04	e.05	e.07	.07	.26	1.0	.86	.10	.02	.01	.01	.01
27	.04	e.06	e.07	.07	.29	1.1	.81	.09	.02	.01	.01	.01
28	.04	e.05	e.07	.07	.37	1.0	.69	.09	.02	e.10	.01	.01
29	.04	e.05	e.07	.06	.49	.97	.67	.09	.02	e.10	.01	.02
30	.04	e.04	e.07	.06	---	.96	.61	.08	.02	e.10	.01	.01
31	.04	---	e.07	.06	---	.96	---	.08	---	e.10	.01	---
TOTAL	1.06	1.40	1.92	2.02	4.12	27.86	28.90	7.45	1.04	0.72	0.31	0.31
MEAN	.034	.047	.062	.065	.14	.90	.96	.24	.035	.023	.010	.010
MAX	.04	.06	.08	.07	.49	1.1	1.3	.55	.07	.10	.01	.02
MIN	.03	.03	.04	.05	.06	.54	.61	.08	.02	.01	.01	.01
AC-FT	2.1	2.8	3.8	4.0	8.2	55	57	15	2.1	1.4	.6	.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	.036	.040	.048	.061	.098	1.52	2.60	2.99	.71	.015	.012	.021
MAX	.051	.055	.062	.073	.14	2.48	4.57	8.18	2.04	.023	.015	.031
(WY)	1990	1990	1992	1990	1992	1990	1991	1991	1991	1992	1991	1990
MIN	.023	.018	.020	.046	.060	.90	.96	.24	.035	.011	.010	.010
(WY)	1991	1991	1991	1991	1990	1992	1992	1992	1992	1991	1990	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	498.10		77.11			
ANNUAL MEAN	1.36		.21		.68	
HIGHEST ANNUAL MEAN					1.36	1991
LOWEST ANNUAL MEAN					.21	1992
HIGHEST DAILY MEAN	30	May 1	1.3	Apr 18	30	May 1 1991
LOWEST DAILY MEAN	.01	Jan 1	.01	Jul 6	.00	Jul 7 1990
ANNUAL SEVEN-DAY MINIMUM	.01	Jan 1	.01	Jul 6	.00	Aug 21 1990
ANNUAL RUNOFF (AC-FT)	988		153		494	
10 PERCENT EXCEEDS	4.7		.94		1.8	
50 PERCENT EXCEEDS	.05		.05		.05	
90 PERCENT EXCEEDS	.01		.01		.01	

e Estimated

10133600 McLEOD CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°41'15", long 111°31'58", in SW¼NE¼SE¼ sec. 31, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, 50 ft below channel dividing structure, 3.2 mi northwest of Park City.

DRAINAGE AREA.--8.78 mi².

PERIOD OF RECORD.--October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6590 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated record, which is poor.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 19 ft³/s Oct. 23; minimum daily discharge, 2.9 ft³/s Aug. 20, 21.

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	5.3	6.4	4.9	5.9	5.9	7.6	8.0	6.3	6.3	5.9	4.9	4.6
2	4.9	6.4	4.9	5.9	6.0	8.8	7.1	6.7	6.5	5.7	4.7	4.2
3	4.9	5.8	5.7	5.9	5.8	9.2	6.7	5.9	6.3	5.0	4.6	3.6
4	5.5	6.7	7.2	6.0	5.4	8.1	6.5	6.3	5.5	4.7	4.7	4.4
5	5.5	8.4	8.4	6.0	5.1	9.4	7.0	6.6	5.8	5.0	4.4	4.1
6	5.5	11	8.7	6.1	5.1	8.9	6.7	6.9	6.6	5.3	4.4	4.6
7	5.7	9.5	9.1	5.8	5.5	9.6	6.8	7.7	7.1	6.0	4.6	4.1
8	5.9	8.5	8.4	5.3	5.4	9.5	6.9	7.4	6.7	6.5	4.1	3.7
9	6.4	9.0	6.6	4.9	5.5	8.9	7.0	12	6.6	6.2	3.9	3.7
10	6.2	9.5	7.2	4.9	6.0	9.4	7.2	10	7.4	5.3	3.7	3.4
11	6.0	8.6	6.2	5.1	6.6	9.4	6.5	9.4	6.8	5.2	3.6	3.7
12	6.9	7.6	6.6	5.2	5.7	9.1	6.9	8.3	5.1	7.2	3.5	4.3
13	5.8	8.6	6.3	4.9	6.4	9.5	7.2	8.4	4.6	6.5	3.3	4.1
14	6.5	9.5	5.7	4.8	6.5	9.1	7.7	8.9	5.6	6.2	3.3	4.1
15	7.3	8.2	6.7	5.3	5.8	8.8	7.7	8.7	7.1	5.7	3.1	4.0
16	6.9	7.3	7.0	6.0	6.4	8.3	7.7	8.7	6.4	6.1	3.4	4.2
17	6.6	7.7	5.5	5.6	5.3	8.3	9.2	8.5	6.2	5.9	3.1	4.3
18	7.4	9.5	6.6	5.2	5.2	8.5	8.7	8.0	5.8	5.5	3.1	5.2
19	9.5	7.8	7.7	5.4	5.3	7.9	7.5	7.1	5.2	5.1	3.1	3.9
20	8.8	6.8	6.3	5.3	7.1	7.2	7.2	7.5	4.9	5.3	2.9	4.4
21	8.2	9.3	7.0	5.1	6.7	7.5	6.8	9.3	4.9	5.1	2.9	4.8
22	10	6.4	6.8	5.2	6.5	7.8	9.3	9.1	4.7	5.1	3.2	4.9
23	19	5.5	6.8	5.1	6.5	8.5	7.6	8.3	4.7	4.8	3.3	5.0
24	11	5.8	6.9	5.0	5.4	9.3	6.7	7.7	4.8	4.6	3.3	5.3
25	11	7.0	6.9	5.8	6.4	8.3	7.3	8.2	5.0	4.9	3.5	4.9
26	9.3	8.6	6.7	5.6	5.5	8.8	7.3	9.0	6.7	4.7	3.3	6.2
27	13	10	6.8	5.8	5.8	11	7.3	8.7	6.0	4.9	3.1	5.9
28	7.3	6.2	7.0	5.7	6.4	8.5	7.7	8.2	5.5	4.3	3.1	5.1
29	6.7	5.6	6.5	5.5	6.9	8.3	8.1	8.3	5.5	4.0	3.3	6.0
30	6.5	5.0	6.5	5.3	---	8.2	7.0	6.9	5.1	4.1	3.5	6.0
31	5.5	---	6.2	5.5	---	8.1	---	6.4	---	4.4	4.1	---
TOTAL	235.0	232.2	209.8	169.1	172.1	269.8	221.3	249.4	175.4	165.2	113.0	136.7
MEAN	7.58	7.74	6.77	5.45	5.93	8.70	7.38	8.05	5.85	5.33	3.65	4.56
MAX	19	11	9.1	6.1	7.1	11	9.3	12	7.4	7.2	4.9	6.2
MIN	4.9	5.0	4.9	4.8	5.1	7.2	6.5	5.9	4.6	4.0	2.9	3.4
AC-FT	466	461	416	335	341	535	439	495	348	328	224	271

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	7.18	7.49	5.73	4.57	5.95	8.77	8.70	12.7	23.3	7.41	5.58	5.47
MAX	7.58	7.74	6.77	5.45	5.96	8.85	10.0	17.3	40.7	9.50	7.52	6.38
(WY)	1992	1992	1992	1992	1991	1991	1991	1991	1991	1991	1991	1991
MIN	6.78	7.25	4.68	3.69	5.93	8.70	7.38	8.05	5.85	5.33	3.65	4.56
(WY)	1991	1991	1991	1991	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1991 - 1992	
ANNUAL TOTAL	4009.3		2349.0			
ANNUAL MEAN	11.0		6.42		8.56	
HIGHEST ANNUAL MEAN					10.7	1991
LOWEST ANNUAL MEAN					6.42	1992
HIGHEST DAILY MEAN	81	Jun 6	19	Oct 23	81	Jun 6 1991
LOWEST DAILY MEAN	1.2	Jan 7	2.9	Aug 20	1.2	Jan 7 1991
ANNUAL SEVEN-DAY MINIMUM	1.8	Jan 4	3.1	Aug 15	1.8	Jan 4 1991
ANNUAL RUNOFF (AC-FT)	7950		4660		6200	
10 PERCENT EXCEEDS	15		8.9		11	
50 PERCENT EXCEEDS	7.8		6.3		6.8	
90 PERCENT EXCEEDS	5.2		4.1		4.1	

10133895 EAST CANYON CREEK ABOVE BIG BEAR HOLLOW NEAR PARK CITY, UT

LOCATION.--Lat 40°47'21", long 111°35'48", in SW¼NW¼SE¼ sec. 27, T. 1 N., R. 3 E., Summit County, Hydrologic Unit 16020101 on left bank, 100 ft above Big Bear Hollow, 2.2 mi north of Jeremy Ranch and 10 mi northwest of Park City.

DRAINAGE AREA.--75.0 mi².

PERIOD OF RECORD.--November 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, from rating curve extended above 70 ft³/s, 512 ft³/s May 1, 1991, gage height, 6.53 ft; minimum daily discharge, 0.75 ft³/s July 31, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 103 ft³/s Mar. 14, gage height, 5.54 ft; minimum daily discharge, 0.75 ft³/s July 31.

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	8.6	8.9	e6.4	e12	17	20	17	14	6.2	e9.0	e1.5	e13
2	7.9	11	e6.4	e11	16	18	16	15	6.3	e8.3	e4.3	e11
3	8.2	11	e8.0	e12	18	17	15	14	6.5	e7.8	e4.8	e8.5
4	7.7	9.0	e9.0	e11	16	14	15	12	7.0	e7.3	e2.5	e12
5	7.8	13	e10	e10	17	17	15	12	6.4	e7.8	e3.6	e9.5
6	7.7	25	e11	e12	18	15	14	13	5.9	e8.5	e3.5	e7.5
7	8.1	17	e12	e12	18	20	14	13	8.5	e9.3	e5.0	e6.3
8	8.4	13	e11	e10	15	16	14	16	8.2	e10	e4.4	e7.3
9	8.2	13	e10	e9.0	16	17	14	33	8.8	e9.7	e6.8	e6.2
10	8.5	19	e10	e8.0	15	17	14	22	8.0	e9.2	e7.5	e9.3
11	8.8	14	e11	e9.0	14	18	14	16	10	e10	e8.4	e7.4
12	8.9	12	e11	e9.0	16	25	14	13	8.9	e12	e7.0	e5.8
13	8.4	12	e12	e11	12	26	14	13	6.6	e10	e2.4	e4.8
14	7.8	14	e12	e12	9.4	41	13	13	6.5	e9.7	e1.9	e7.1
15	7.6	e12	e11	e11	9.2	46	13	13	13	e9.0	e1.4	e4.7
16	7.7	e10	e12	e11	9.8	29	13	13	13	e9.6	e2.3	e3.4
17	8.2	e10	e12	e9.0	9.4	23	15	12	14	e8.8	e2.8	e2.8
18	8.8	e12	e11	e8.6	10	21	29	11	12	e8.1	e3.4	e5.0
19	8.2	e11	e12	e7.8	11	19	23	9.0	8.9	e7.4	e3.6	e3.8
20	10	e10	e12	e6.0	11	17	17	12	7.2	e7.6	e3.6	e6.1
21	9.4	e11	e11	e6.6	12	18	15	12	7.6	e7.3	e3.9	e4.8
22	9.6	e9.0	e11	e6.8	12	17	27	16	5.9	e6.8	e4.4	e1.3
23	22	e8.0	e12	e8.2	12	17	27	12	3.6	e6.4	e5.8	e1.1
24	16	e8.6	e13	e12	12	22	19	12	2.4	e6.2	e6.6	e3.8
25	12	e10	e12	18	15	21	17	14	2.9	e6.2	e5.5	e5.7
26	10	e11	e12	20	13	18	16	11	3.5	e5.8	e6.4	e5.3
27	20	e15	e12	19	15	26	15	9.8	11	e5.8	e7.3	e6.9
28	13	e13	e13	19	17	20	15	8.9	e7.5	e3.8	e8.9	e6.5
29	10	e7.6	e12	20	17	18	15	8.4	e7.2	e2.7	e10	e6.6
30	9.1	e6.7	e12	19	---	17	15	7.5	e7.2	e3.0	e10	e5.2
31	12	---	e13	18	---	17	---	7.0	---	e.75	e15	---
TOTAL	308.6	356.8	342.8	368.0	402.8	647	494	407.6	230.7	233.85	164.5	188.7
MEAN	9.95	11.9	11.1	11.9	13.9	20.9	16.5	13.1	7.69	7.54	5.31	6.29
MAX	22	25	13	20	18	46	29	33	14	12	15	13
MIN	7.6	6.7	6.4	6.0	9.2	14	13	7.0	2.4	.75	1.4	1.1
AC-FT	612	708	680	730	799	1280	980	808	458	464	326	374

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

MEAN	9.63	11.0	10.9	11.4	15.5	26.5	27.2	36.7	35.8	8.99	7.70	7.42
MAX	9.95	11.9	12.6	12.3	20.5	33.7	37.1	71.8	84.7	13.6	11.5	10.5
(WY)	1992	1992	1990	1990	1991	1990	1991	1991	1991	1991	1991	1991
MIN	9.09	9.90	8.96	9.92	12.1	20.9	16.5	13.1	7.69	5.87	5.31	5.45
(WY)	1991	1990	1991	1991	1990	1992	1992	1992	1992	1990	1992	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1990 - 1992	
ANNUAL TOTAL	9634.8		4145.35			
ANNUAL MEAN	26.4		11.3		17.4	
HIGHEST ANNUAL MEAN					26.1	1991
LOWEST ANNUAL MEAN					11.3	1992
HIGHEST DAILY MEAN	182	May 1	46	Mar 15	182	May 1 1991
LOWEST DAILY MEAN	4.5	Jan 8	.75	Jul 31	.75	Jul 31 1992
ANNUAL SEVEN-DAY MINIMUM	4.9	Jan 5	2.5	Aug 13	2.5	Aug 13 1992
ANNUAL RUNOFF (AC-FT)	19110		8220		12580	
10 PERCENT EXCEEDS	65		18		30	
50 PERCENT EXCEEDS	13		11		11	
90 PERCENT EXCEEDS	8.2		5.1		6.0	

e Estimated

10134000 EAST CANYON RESERVOIR NEAR MORGAN, UT

LOCATION.--Lat 40°55'14", long 111°35'59", in NE$^1/_4$SE$^1/_4$NW$^1/_4$ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on upstream face of concrete dam on East Canyon Creek, 9.0 mi southeast of Morgan.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--October 1931 to current year. October 1931 to September 1937, month-end contents only published in WSP 1314.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1989, elevations determined from direct readings on upstream face of dam on days shown. Datum of gage is 5,577.0 ft above NGVD of 1929, (levels by Bureau of Reclamation). Prior to Oct. 1, 1953, staff gage at site 500 ft east of dam and Oct. 1, 1953 to Sept. 30, 1964, tape gage on upstream face of dam then in use at different datum. Oct. 1, 1964 to Sept. 30, 1965, temporary reference marks at present datum set by Bureau of Reclamation.

REMARKS.--Records good. Reservoir was formed in 1896 by a 58-ft rockfill dam, capacity, 3,850 acre-ft, which was raised 25 ft in 1900, capacity, 9,000 acre-ft, raised 12 ft more in 1902, capacity, 14,000 acre-ft, was replaced in 1917 by concrete dam which formed a reservoir having a capacity of 25,790 acre-ft (revised), and was replaced in 1966 by present concrete thin-arch dam which forms a reservoir having an active capacity of 48,110 acre-ft between elevation 5,577.0 ft and 5,705.0 ft. Dead storage, 3,090 acre-ft. Figures given herein represent active contents. Water is used for irrigation in Morgan, Davis, and Weber Counties.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 49,840 acre-ft June 1, 1983, elevation, 5,707.5 ft; no contents at times in 1931, 1934, 1937, 1946, 1954, 1961, 1965, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 40,490 acre-ft May 1, elevation, 5,693.3 ft; minimum, 16,190 acre-ft Sept. 30, elevation, 5,643.6 ft.

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

5,640	14,890	5,670	27,550
5,645	16,720	5,675	30,080
5,650	18,660	5,680	32,730
5,655	20,710	5,685	35,530
5,660	22,870	5,690	38,470
5,665	25,150	5,695	41,550

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33000	33400	34630	35460	36320	37480	39290	40460	38010	29600	e21000	17360
2	33010	33430	34660	35480	36350	37550	39330	40440	37840	29310	e20720	17310
3	33000	33450	34700	35520	36370	37630	39370	40400	37680	29010	e20450	17280
4	33000	33470	34720	35540	36400	37710	39400	40360	37500	28700	e20250	17250
5	33000	33500	34750	35580	36420	37800	39440	40320	37330	28400	e20050	17220
6	33000	33560	34780	35610	36450	37910	39460	40270	37150	28080	e19850	17180
7	33000	33610	34820	35640	36470	38010	39500	40230	36950	27770	e19650	17140
8	33000	33650	34850	35680	36500	38100	39540	40190	36730	27460	e19450	17100
9	33010	33690	34880	35710	36530	38170	39570	40170	36470	27160	e19250	17060
10	33010	33740	34910	35730	36570	38240	39600	40120	36190	26850	e19050	17020
11	33010	33780	34940	35760	36600	38300	39640	40040	35890	26550	e18890	16980
12	33010	33820	34960	35780	36650	38360	39670	39950	35570	26250	18730	16940
13	33010	33850	34990	35810	36690	38410	39700	39870	35240	25950	18650	16880
14	33020	33900	35010	35840	36730	38470	39730	39790	34930	25690	18540	16840
15	33020	33960	35030	35870	36770	38500	39760	39690	34630	25440	18460	16800
16	33020	34000	35050	35900	36800	38560	39790	39610	34320	25190	18400	16760
17	33020	34040	35070	35930	36840	38590	39830	39520	34020	24930	18340	16720
18	33020	34090	35100	35950	36870	38650	39900	39430	33720	24680	18260	16670
19	33020	34140	35130	35980	36900	38700	39960	39330	33410	24430	18200	16630
20	33030	34190	35150	36000	36950	38750	40020	39240	33090	24180	18130	16590
21	33040	34240	35170	36020	37020	38790	40060	39150	32770	23920	18070	16550
22	33040	34280	35190	36050	37080	38830	40120	39080	e32450	23670	18000	16510
23	33070	34320	35230	36080	37150	38870	40180	39000	e32130	23410	17930	16470
24	33120	34350	35250	36110	37190	38920	40240	38920	e31810	23150	17850	16430
25	33150	34400	35270	36130	37240	38970	40290	38830	e31490	22890	17790	16370
26	33190	34450	35300	36160	37280	39010	40330	38730	31180	22640	17720	16330
27	33250	34500	35320	36190	37320	39060	40380	38640	30870	22380	17660	16290
28	33300	34540	35350	36210	37370	39120	40400	38540	30570	22120	17600	16260
29	33330	34590	35370	36240	37420	39170	40430	38440	30250	21850	17540	16230
30	33360	34620	35410	36260	---	39210	40450	38320	29920	21570	17480	16200
31	33380	---	35440	36290	---	39240	---	38170	---	21280	17420	---
MAX	33380	34620	35440	36290	37420	39240	40450	40460	38010	29600	21000	17360
MIN	33000	33400	34630	35460	36320	37480	39290	38170	29920	21280	17420	16200
(#)	5681.2	5683.4	5684.8	5686.3	5688.2	5691.3	5693.2	5689.5	5674.7	5656.3	5646.8	5643.6
(*)	+380	+1240	+820	+850	+1130	+1820	+1210	-2280	-8250	-8640	-3860	-1220

CAL YR 1991 . . . . . (*) +11790
WTR YR 1992 . . . . . (*) -16800

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
(e) Estimated.

10134500 EAST CANYON CREEK NEAR MORGAN, UT

LOCATION.--Lat 40°55'21", long 111°36'23", in SW¼NW¼NW¼ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on right bank 2,500 ft downstream from East Canyon Dam, 2.4 mi upstream from Sheep Canyon, and 8.7 mi southeast of Morgan.

DRAINAGE AREA.--144 mi².

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only prior to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder and Lyman rectangular weir. Elevation of gage is 5,460 ft above NGVD of 1929, from river-profile map.

REVISED RECORDS.--WSP 1634, WDR UT-77-1: Drainage area.

REMARKS.--Records good. No diversions between station and East Canyon Reservoir (see preceding page), which completely regulates flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 872 ft³/s May 4, 1952, gage height, 3.49 ft; minimum daily, 0.2 ft³/s Dec. 19, 29, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 183 ft³/s June 10, gage height, 1.12 ft; minimum daily discharge, 5.7 ft³/s Dec. 27, Feb. 2.

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	11	6.7	6.5	5.9	5.9	6.0	6.6	26	87	167	129	33
2	11	6.6	6.6	5.9	5.7	6.0	6.7	43	87	167	128	30
3	11	6.6	6.5	5.9	5.8	6.0	6.7	43	87	167	109	29
4	11	6.7	6.6	5.9	5.9	6.0	6.6	43	87	165	100	29
5	11	6.7	6.5	5.9	6.0	6.0	6.4	42	87	163	99	28
6	11	6.7	6.6	5.9	5.9	6.0	6.3	42	109	163	99	27
7	11	6.7	6.7	6.0	6.0	6.0	6.4	42	118	162	98	27
8	11	6.7	6.6	6.0	6.0	6.0	6.5	42	145	160	98	27
9	11	6.3	6.3	6.0	6.0	6.0	6.4	59	156	159	99	28
10	11	6.0	5.9	6.0	6.0	6.0	6.5	69	170	159	83	27
11	11	6.6	5.9	6.1	6.0	6.1	6.5	66	176	158	77	28
12	11	6.7	6.0	6.0	6.0	6.2	6.6	65	175	157	58	28
13	11	6.7	6.0	6.0	6.0	6.4	6.6	65	174	150	51	29
14	11	6.7	5.9	6.0	6.0	6.4	6.6	65	174	135	51	29
15	11	6.7	6.0	6.0	6.0	6.7	6.7	65	174	133	39	29
16	11	6.7	6.0	6.0	6.0	6.7	6.4	65	173	133	33	29
17	11	6.7	5.9	6.0	6.0	6.7	6.4	65	173	131	33	28
18	11	6.7	5.9	6.0	6.0	6.7	6.0	65	173	130	33	28
19	11	6.3	6.0	6.0	6.0	6.6	6.0	65	173	130	33	28
20	11	6.5	6.0	6.0	6.0	6.6	6.4	64	173	129	33	28
21	11	6.8	5.9	6.0	6.0	6.7	6.7	64	173	129	33	28
22	11	6.7	6.0	6.0	6.0	6.7	6.7	64	172	129	33	28
23	9.4	6.7	6.0	6.0	6.0	6.5	6.7	64	172	131	33	28
24	7.8	6.7	5.9	6.0	6.0	6.1	6.7	64	171	131	33	28
25	7.5	6.3	5.8	6.0	6.0	6.4	7.1	64	170	131	33	28
26	7.5	6.1	5.8	6.0	6.0	6.6	7.4	64	169	130	33	28
27	7.8	6.5	5.7	6.0	6.0	6.6	7.8	64	169	129	33	28
28	7.0	6.6	5.9	6.0	6.0	6.6	11	64	169	129	33	26
29	6.7	6.6	5.9	6.0	6.0	6.6	12	64	169	129	33	26
30	6.7	6.6	5.9	6.0	---	6.7	12	81	168	129	33	22
31	6.7	---	6.0	6.0	---	6.7	---	88	---	128	33	---
TOTAL	309.1	197.6	189.2	185.5	173.2	197.3	213.4	1846	4573	4443	1846	839
MEAN	9.97	6.59	6.10	5.98	5.97	6.36	7.11	59.5	152	143	59.5	28.0
MAX	11	6.8	6.7	6.1	6.0	6.7	12	88	176	167	129	33
MIN	6.7	6.0	5.7	5.9	5.7	6.0	6.0	26	87	128	33	22
AC-FT	613	392	375	368	344	391	423	3660	9070	8810	3660	1660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1992, BY WATER YEAR (WY)

MEAN	26.5	15.6	16.9	18.5	23.3	44.1	71.0	90.1	97.9	109	105	67.1
MAX	170	114	210	206	254	337	269	397	378	248	206	172
(WY)	1969	1970	1984	1984	1985	1986	1948	1952	1983	1964	1975	1983
MIN	3.66	1.10	1.10	1.26	1.50	1.93	2.68	5.04	7.30	54.5	32.8	6.70
(WY)	1960	1961	1961	1961	1961	1961	1961	1991	1967	1955	1941	1961

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1938 - 1992	
ANNUAL TOTAL	6834.1		15012.3			
ANNUAL MEAN	18.7		41.0		57.3	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	68	Jul 7	176	Jun 11	768	May 5 1952
LOWEST DAILY MEAN	3.5	Mar 1	5.7	Dec 27	.20	Dec 19 1964
ANNUAL SEVEN-DAY MINIMUM	3.7	Mar 19	5.8	Dec 24	1.1	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	13560		29780		41540	
10 PERCENT EXCEEDS	65		138		153	
50 PERCENT EXCEEDS	6.3		7.5		27	
90 PERCENT EXCEEDS	4.1		6.0		4.3	

10136500 WEBER RIVER AT GATEWAY, UT

LOCATION.--Lat 41°08'13", long 111°49'54", in NE¼SW¼SW¼ sec. 27, T. 5 N., R. 1 E., Morgan County, Hydrologic Unit 16020102, on left bank 400 ft downstream from tailrace of Gateway powerplant, 500 ft upstream from Union Pacific Railroad bridge, 1,200 ft downstream from Strawberry Creek, and 3,200 ft east of section house at Gateway.

DRAINAGE AREA.--1,627 mi².

PERIOD OF RECORD.--November 1889 to June 1893, July to December 1893 (gage heights only), August 1894 to September 1899, August to November 1900, January to October 1901, April to June 1903 (gage heights and discharge measurements only), July to August 1919, August 1920 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Uinta" 1889-1903.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above NGVD of 1929, by barometer. Oct. 13, 1889 to July 11, 1903, nonrecording gage at site 1.2 mi downstream at different datum. June 22, 1919 to Oct. 22, 1929, water-stage recorder at site 900 ft upstream at different datum. Oct. 22, 1929 to Nov. 27, 1964, at sites 1,300 ft downstream at different datums.

REMARKS.--Records fair. Many diversions for irrigation above and below station. Water diverted above station by Gateway Canal since July 1957, part of which returns to river above station through tailrace of Gateway hydroelectric powerplant. Flow regulated by Rockport, Echo, Lost Creek, and East Canyon Reservoirs (see stations 10129400, 10131500, 10132490, and 10134000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,980 ft³/s May 31, 1896; minimum observed, 33 ft³/s Feb. 3, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 639 ft³/s Aug. 3, gage height, 3.01 ft; minimum discharge, 55 ft³/s Jan. 27.

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	206	107	96	94	77	119	129	302	310	353	361	302
2	192	104	103	90	78	129	130	325	326	280	414	267
3	216	96	106	86	84	139	118	269	353	277	463	257
4	203	103	108	90	85	123	123	258	331	288	452	296
5	223	105	106	87	85	118	137	278	315	291	425	303
6	237	126	104	84	80	117	138	266	305	286	379	260
7	225	124	110	82	69	130	129	313	312	289	362	251
8	223	112	110	80	77	129	133	296	305	279	391	252
9	230	113	105	76	83	103	130	362	283	284	373	254
10	221	121	99	75	80	96	131	343	295	294	344	262
11	226	114	97	77	77	108	126	280	319	327	332	257
12	212	121	102	80	83	105	138	251	314	433	329	254
13	221	123	111	77	107	102	129	256	289	409	326	253
14	229	123	100	73	96	113	109	275	322	281	338	252
15	249	126	98	78	90	107	106	275	418	288	345	253
16	102	120	96	74	90	89	112	289	244	353	366	256
17	89	117	88	72	85	107	153	250	249	337	333	259
18	88	126	108	72	83	114	176	242	243	326	287	258
19	97	122	112	75	88	112	187	261	295	320	295	252
20	103	118	107	79	124	108	184	264	292	346	283	249
21	99	124	96	80	174	110	152	332	299	397	283	249
22	97	121	95	92	211	103	211	287	292	376	322	245
23	123	110	95	96	196	117	212	269	276	361	319	256
24	120	114	97	84	150	104	172	246	302	346	283	273
25	111	117	102	79	119	116	185	244	327	317	278	243
26	102	115	96	75	112	115	190	231	355	344	281	152
27	142	117	85	73	124	97	164	259	355	331	277	123
28	124	115	87	86	131	99	184	294	334	342	260	107
29	112	112	95	85	122	101	285	307	338	324	259	90
30	104	105	88	80	---	108	313	303	336	358	257	71
31	98	---	96	79	---	101	---	275	---	359	280	---
TOTAL	5024	3471	3098	2510	3060	3439	4786	8702	9334	10196	10297	7056
MEAN	162	116	99.9	81.0	106	111	160	281	311	329	332	235
MAX	249	126	112	96	211	139	313	362	418	433	463	303
MIN	88	96	85	72	69	89	106	231	243	277	257	71
AC-FT	9970	6880	6140	4980	6070	6820	9490	17260	18510	20220	20420	14000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1992, BY WATER YEAR (WY)

MEAN	247	218	228	240	285	492	1009	1560	1133	546	462	362
MAX	896	548	1463	1330	1947	2575	3000	4798	4239	1161	828	1196
(WY)	1985	1983	1984	1984	1986	1986	1986	1952	1983	1975	1983	1983
MIN	61.4	58.0	53.9	45.7	59.6	67.8	105	281	293	238	156	62.3
(WY)	1962	1962	1991	1991	1964	1964	1977	1992	1977	1931	1924	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1921 - 1992	
ANNUAL TOTAL	108100		70973			
ANNUAL MEAN	296		194		566	
HIGHEST ANNUAL MEAN					1397	1986
LOWEST ANNUAL MEAN					143	1961
HIGHEST DAILY MEAN	1790	Jun 5	463	Aug 3	7390	May 5 1952
LOWEST DAILY MEAN	38	Jan 31	69	Feb 7	34	Feb 2 1962
ANNUAL SEVEN-DAY MINIMUM	42	Jan 26	74	Jan 13	35	Jan 31 1962
ANNUAL RUNOFF (AC-FT)	214400		140800		409900	
10 PERCENT EXCEEDS	544		333		1330	
50 PERCENT EXCEEDS	196		140		355	
90 PERCENT EXCEEDS	54		85		103	

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°16'07", long 111°40'24", in SE¼NE¼SW¼ sec. 12, T. 6 N., R. 2 E., Weber County, Hydrologic Unit 16020102, on right bank 0.5 mi downstream from Magpie Creek, 0.5 mi upstream from Huntsville Mountain Canal, 5.0 mi downstream from Causey Dam, and 5.0 mi east of Huntsville.

DRAINAGE AREA.--137 mi².

PERIOD OF RECORD.--March 1921 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,190 ft above NGVD of 1929, by barometer. Prior to Aug. 14, 1934, at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. One small diversion above station. Flow regulated by Causey Reservoir since Jan. 4, 1966.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft³/s May 3, 1952, gage height, 5.98 ft; minimum, 9 ft³/s Feb. 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85 ft³/s May 19, gage height, 1.77 ft; minimum daily discharge, 26 ft³/s Jan. 20.

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	47	34	e28	30	29	42	46	66	69	58	50	39
2	47	33	31	31	29	43	45	64	71	55	46	41
3	44	33	30	e29	29	45	45	63	75	52	46	41
4	44	33	31	30	29	43	44	61	74	52	46	42
5	44	32	31	30	31	44	46	61	74	53	48	38
6	44	33	31	30	30	43	44	64	75	55	48	38
7	43	32	31	30	29	43	43	71	75	60	48	38
8	38	32	31	30	29	44	43	74	71	62	45	37
9	38	32	30	e28	29	43	43	78	65	59	45	35
10	38	33	30	e27	29	42	43	77	58	58	45	34
11	38	32	29	e29	30	41	44	74	62	55	43	34
12	38	e32	29	e28	30	41	45	69	65	58	40	34
13	38	e32	29	e27	32	42	44	66	63	48	40	34
14	38	e32	e27	30	32	43	43	65	61	41	40	34
15	38	e31	e28	30	32	45	43	70	62	40	40	34
16	38	e31	30	30	32	46	42	76	59	41	40	34
17	37	e31	e28	30	32	45	45	76	56	44	40	33
18	35	e31	29	e28	31	44	46	77	52	43	40	33
19	35	e31	30	e27	32	42	43	79	50	43	39	33
20	35	31	30	e26	37	41	42	79	50	43	39	34
21	35	33	e28	e27	43	41	40	78	51	43	39	33
22	34	32	e30	e28	50	41	42	76	53	42	40	33
23	36	30	31	29	48	42	40	74	58	42	40	33
24	35	30	31	30	43	42	39	74	62	41	41	35
25	35	31	32	30	42	41	39	73	62	41	40	35
26	34	32	e30	30	41	43	39	74	62	40	40	35
27	35	32	e30	30	41	44	54	73	61	39	40	34
28	35	32	31	30	41	46	68	71	60	39	39	33
29	34	31	29	29	42	46	68	71	60	41	38	30
30	34	31	29	29	---	46	67	70	60	44	38	30
31	33	---	29	29	---	46	---	70	---	50	38	---
TOTAL	1177	955	923	901	1004	1340	1375	2214	1876	1482	1301	1051
MEAN	38.0	31.8	29.8	29.1	34.6	43.2	45.8	71.4	62.5	47.8	42.0	35.0
MAX	47	34	32	31	50	46	68	79	75	62	50	42
MIN	33	30	27	26	29	41	39	61	50	39	38	30
AC-FT	2330	1890	1830	1790	1990	2660	2730	4390	3720	2940	2580	2080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1992, BY WATER YEAR (WY)

MEAN	42.9	41.0	43.4	43.6	51.4	91.7	278	430	164	70.4	57.6	47.4
MAX	86.0	94.0	145	108	216	419	704	931	554	149	117	104
(WY)	1985	1984	1984	1971	1986	1986	1986	1984	1983	1975	1984	1984
MIN	22.2	19.2	21.0	21.2	17.0	15.7	26.3	37.7	28.4	23.8	23.1	24.2
(WY)	1978	1978	1978	1977	1977	1977	1977	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1922 - 1992	
ANNUAL TOTAL	30256		15599			
ANNUAL MEAN	82.9		42.6		114	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	566	Jun 3	79	May 19	1640	May 5 1936
LOWEST DAILY MEAN	27	Dec 14	26	Jan 20	13	Feb 26 1977
ANNUAL SEVEN-DAY MINIMUM	29	Dec 11	28	Jan 17	13	Feb 28 1977
ANNUAL RUNOFF (AC-FT)	60010		30940		82410	
10 PERCENT EXCEEDS	184		65		272	
50 PERCENT EXCEEDS	47		40		50	
90 PERCENT EXCEEDS	31		30		32	

e Estimated

10139000 PINEVIEW RESERVOIR NEAR OGDEN, UT

LOCATION.--Lat 41°15'20", long 111°50'25", in SE¼NW¼SE¼ sec. 16, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, at trashback at Pineview Dam on Ogden River 3.8 mi west of Huntsville and 6 mi east of Ogden.

DRAINAGE AREA.--311 mi².

PERIOD OF RECORD.--November 1936 to September 1968, October 1989 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1989 elevations determined from direct readings of outside staff gage read once daily. Datum of gage is 4818.0 ft above NGVD of 1929.

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam; storage began Nov. 16, 1936; capacity, 110,100 acre-ft at elevation 4,900 ft (maximum super storage) above mean sea level. During September 1939, sills of radial spillway gages were raised 1 ft, thus changing the top of spillway gates from elevation 4,871 to 4,872 ft. During 1957 the storage capacity was increased by raising the crest of the spillway to 4,878 ft and elevation of maximum super storage to 4,900 ft (additional capacity, 65,920 acre-ft). Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation in Weber River basin and Ogden River projects.

COOPERATION.--Capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 110,100 acre-ft June 9-15, 1962, May 17-30, 1963, May 31-June 29, 1964, June 11-21, 27-July 3, 1965, May 15-28, 1966, June 8-July 2, 1967, June 18-21, 1968, elevation, 4,900.0 ft minimum, 4 acre-ft, Jan. 10, 1957, elevation, 4,819.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 56,880 acre-ft Apr. 20, elevation, 4,878.6 ft; minimum contents, 1,800 acre-ft Sept. 30, elevation, 4,831.2 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

4,830	1,380	4,860	25,480
4,835	3,380	4,865	32,610
4,840	6,150	4,870	40,680
4,845	9,680	4,875	49,700
4,850	14,060	4,880	59,670
4,855	19,330		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43730	46720	51300	37270	40290	45600	53510	55110	46570	36310	25150	e12410
2	43750	46830	51920	37300	40390	45860	53750	54810	46220	36170	24670	e12060
3	43790	46890	52040	37360	40530	46090	54030	54760	45830	35950	24230	e11710
4	43790	47020	52110	37420	40630	46320	54310	54350	45420	35720	23770	e11350
5	43830	47160	52280	37490	40700	46580	54590	54150	45000	35450	e23340	e11000
6	43910	47380	52470	37550	40800	46830	54790	53760	44590	35120	e22890	e10650
7	44020	47520	52600	37660	40900	47110	55020	53370	44260	34760	e22450	e10300
8	44110	47630	e52040	37760	41010	47400	55290	52970	43940	34410	22000	e9950
9	44200	47790	e51480	37850	41130	47650	55550	52780	43580	33990	21580	9590
10	44260	47960	e50920	37950	41250	47910	55760	52580	43190	33560	21150	9220
11	44350	48070	e50360	38070	41370	48140	55990	52390	42760	33120	20720	8850
12	44430	48170	e49800	38200	41540	48400	56210	52000	42360	32910	20600	8480
13	44510	48290	49250	38270	41700	48630	56360	51810	41890	32780	19800	e8110
14	e44580	48420	47130	38400	41880	48920	56440	51620	41490	32520	19350	e7730
15	e44650	48520	45970	38520	42070	49130	56480	51250	41320	32230	18870	e7350
16	e44710	48600	44800	38620	42230	49420	56480	51050	41300	31910	18430	e6980
17	e44780	48720	43680	38740	42400	49660	56470	50860	41250	31570	17990	e6600
18	44850	48920	42950	38840	42510	49940	56540	50480	41110	31200	17650	e6230
19	44900	49040	41920	38940	42670	50200	56690	50200	40880	30800	17240	5850
20	44950	49260	40870	39020	42870	50480	56790	49890	40600	30380	16800	5500
21	45020	49520	40300	39130	43240	50730	56770	49620	40260	29970	16380	5160
22	45110	49610	40090	39240	43560	50940	56690	49480	39880	29530	e16020	4820
23	45450	49680	39780	39360	43930	51240	56640	49290	39480	29070	e15650	4490
24	45610	49800	39460	39470	44180	51530	56590	49090	39060	28620	e15290	4130
25	45710	50010	39140	39560	44430	51770	56570	48850	38650	28180	14920	3780
26	45850	50210	38810	39640	44640	52000	56400	48530	38240	27750	14520	3440
27	46140	50300	38470	39750	44850	52250	56290	48240	37810	27310	14170	3100
28	46300	50360	38160	39870	45090	52480	56010	47930	37420	26860	e13820	2750
29	46400	50480	37850	39970	45330	52710	55780	47590	36960	26390	e13470	2370
30	46490	50630	37550	40070	---	52950	55560	47260	36570	25930	e13110	1990
31	46590	---	37300	40180	---	53220	---	46930	---	25490	e12760	---
MAX	46600	50600	52600	40200	45300	53200	56800	55100	46600	36300	25100	12400
MIN	43700	46700	37300	37300	40300	45600	53500	46900	36600	25500	12800	1990
(#)	4873.3	4875.5	4868.0	4869.7	4872.6	4876.8	4878.0	4873.5	4867.5	4860.0	---	4831.7
(*)	+2810	+4040	-13330	+2880	+5150	+7890	+2340	-8630	-10360	-11080	-12730	-10770

CAL YR 1991 . . . . . (*) +6310
WTR YR 1992 . . . . . (*) -4170

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.
(e) Estimated.

10139300 WHEELER CREEK NEAR HUNTSVILLE, UT

LOCATION (REVISED).--Lat 41°15'10", long 111°50'29", in NE¼SW¼SE¼ sec. 16, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, on left bank 550 ft upstream from mouth, 200 ft upstream from culvert under State Highway 39, 3.8 mi west of Huntsville, and 7.2 mi east of Ogden.

DRAINAGE AREA.--11.1 mi².

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 4,800 ft above NGVD of 1929, from topographic map. Prior to Feb. 25, 1992 at site 0.10 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records do not include 850 acre-feet diverted above gage by Ogden City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 533 ft³/s May 21, 1981, gage height, 3.95 ft from indirect measurement, maximum gage height, 5.76 ft, Feb. 18 or 19, 1986 (backwater from trash buildup on trees below gage). Flood of Feb. 18 or 19, 1986 probably exceeded that of May 21, 1981. No flow Dec. 5, 1962, July 25, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 5	1800	*11	*1.90				

Minimum daily discharge, 0.06 ft³/s Sept. 14.

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	.34	1.2	1.0	e.84	e.96	4.7	4.2	7.8	.60	.43	.24	.41
2	.31	1.2	1.0	e.76	e1.1	6.3	4.1	7.7	.33	.39	.23	.17
3	.29	1.4	1.2	e.90	e1.3	7.1	3.9	7.7	.31	.38	.23	.16
4	.20	1.1	1.1	e.80	e1.6	7.7	3.8	4.2	.31	.36	.22	.17
5	.21	1.1	1.1	e.78	e1.3	9.5	3.8	1.2	.29	.35	.22	.16
6	.22	4.0	1.1	e1.0	e1.5	8.3	3.7	1.2	.28	.33	.22	.13
7	.66	2.0	1.2	e.96	e1.5	7.9	3.6	1.4	.27	.34	.21	.14
8	1.2	1.5	1.1	e.80	e1.9	7.6	3.4	1.8	.60	.32	.22	.13
9	1.2	2.5	1.0	e.74	e2.1	6.2	3.4	3.9	1.6	.31	.35	.13
10	1.2	2.5	1.1	e.68	e2.1	5.2	3.4	3.4	.23	.32	.31	.13
11	1.2	1.7	1.1	e.75	e2.1	4.6	3.3	2.8	.21	.33	.30	.11
12	1.2	1.5	1.1	e.68	e2.3	4.4	3.1	2.4	.18	.50	.30	.08
13	1.2	1.5	1.0	e.78	e2.0	4.5	3.1	1.5	.18	.38	.29	.08
14	1.1	1.7	.94	e.90	e2.2	4.6	3.3	1.5	.18	.34	.29	.06
15	1.1	1.5	.94	e.78	e2.1	4.9	4.5	2.0	.21	.31	.27	.09
16	1.1	1.5	.92	e.84	e2.0	4.7	5.1	2.2	.27	.29	.27	.10
17	1.1	1.5	.95	e.74	e1.9	4.9	6.3	2.1	.54	.28	.27	.09
18	1.1	1.6	1.0	e.68	e1.9	4.6	6.5	2.1	.50	.27	.25	.09
19	1.1	1.5	.92	e.63	e2.0	4.2	6.0	1.6	.47	.27	.24	.07
20	1.1	1.4	.88	e.60	e2.7	4.0	5.5	1.2	.47	.27	.25	.24
21	1.2	1.6	.92	e.72	e2.5	3.7	5.6	1.2	.47	.27	.24	.46
22	1.2	1.4	.85	e.72	e2.6	3.9	6.6	1.1	.45	.27	.23	.53
23	3.0	.97	e.80	e.76	e2.4	4.9	6.0	1.1	.42	.26	.22	.39
24	1.5	1.3	e.90	e.80	e2.4	6.4	5.8	1.0	.41	.26	.23	.24
25	1.3	1.4	e.93	e.92	e2.8	5.9	5.8	.97	.40	.26	.23	.31
26	1.5	1.4	e.86	e.84	2.7	5.3	5.8	.95	.40	.26	.23	.32
27	2.8	1.5	e.90	e.80	2.7	5.0	6.4	.91	.40	.25	.23	.31
28	1.6	1.5	e.80	e.76	3.1	4.7	7.0	.90	.39	.25	.23	.27
29	1.4	1.5	e.80	e.82	4.0	4.5	7.2	.88	.39	.25	.21	.22
30	1.2	1.0	e.80	e.90	---	4.4	7.9	.84	.41	.24	.27	.22
31	1.1	---	e.95	e1.0	---	4.3	---	.80	---	.25	.65	---
TOTAL	34.93	47.47	30.16	24.68	61.76	168.9	148.1	70.35	12.17	9.59	8.15	6.01
MEAN	1.13	1.58	.97	.80	2.13	5.45	4.94	2.27	.41	.31	.26	.20
MAX	3.0	4.0	1.2	1.0	4.0	9.5	7.9	7.8	1.6	.50	.65	.53
MIN	.20	.97	.80	.60	.96	3.7	3.1	.80	.18	.24	.21	.06
AC-FT	69	94	60	49	123	335	294	140	24	19	16	12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1992, BY WATER YEAR (WY)

MEAN	1.77	2.22	1.98	2.30	4.30	9.72	26.0	34.4	25.9	6.33	2.34	1.55
MAX	6.60	11.0	14.4	13.7	65.8	44.1	61.9	84.4	92.3	22.6	8.68	3.61
(WY)	1983	1988	1965	1971	1986	1986	1984	1984	1975	1975	1983	1983
MIN	.50	.49	.38	.064	.11	.38	1.20	2.27	.41	.31	.26	.20
(WY)	1962	1962	1989	1989	1991	1977	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1959 - 1992	
ANNUAL TOTAL	2216.13		622.27			
ANNUAL MEAN	6.07		1.70		9.90	
HIGHEST ANNUAL MEAN					24.2	1986
LOWEST ANNUAL MEAN					1.70	1992
HIGHEST DAILY MEAN	56	Jun 3	9.5	Mar 5	480	Feb 18 1986
LOWEST DAILY MEAN	.03	Feb 7	.06	Sep 14	.00	Jul 25 1977
ANNUAL SEVEN-DAY MINIMUM	.04	Feb 4	.08	Sep 13	.04	Feb 4 1991
ANNUAL RUNOFF (AC-FT)	4400		1230		7170	
10 PERCENT EXCEEDS	19		4.7		31	
50 PERCENT EXCEEDS	1.2		.99		2.3	
90 PERCENT EXCEEDS	.24		.23		.50	

e Estimated

10140100 OGDEN RIVER BELOW PINEVIEW RESERVOIR NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°15'16", long 111°51'18", in SE¼NE¼SE¼ sec. 17, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, on left bank 3,000 ft downstream from Pineview Dam, and 5.0 mi west of Huntsville.

DRAINAGE AREA.--323 mi².

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Flow extensively regulated by Pineview Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1390 ft³/s Dec. 18, 1991, gage height, 6.20 ft; minimum daily 4.0 ft³/s Jan. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1390 ft³/s Dec. 18, gage height, 6.20 ft; minimum daily discharge, 4.0 ft³/s Jan. 10, 1992.

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	6.8	8.2	7.0	8.8	6.9	13	7.7	18	36	23	34	20
2	7.0	8.0	7.2	8.8	7.0	13	7.3	17	36	19	33	20
3	13	7.8	7.4	8.8	7.0	14	7.2	18	37	24	33	20
4	6.7	8.2	7.4	8.8	6.7	15	7.4	18	35	9.5	34	19
5	9.5	8.3	7.4	8.8	6.7	17	7.4	19	32	10	34	20
6	8.6	11	7.3	4.6	6.6	16	7.3	19	30	17	33	20
7	8.2	8.8	7.4	4.6	7.6	16	7.2	19	28	27	29	21
8	8.7	8.4	7.5	4.6	8.4	15	6.8	19	28	24	28	20
9	8.7	9.1	7.2	4.6	8.5	13	7.1	20	28	24	30	18
10	8.8	9.1	172	4.0	8.6	12	7.4	19	32	24	31	19
11	8.0	8.5	398	4.2	9.0	12	7.3	19	40	28	31	21
12	7.3	8.3	452	4.3	9.1	12	7.3	15	38	26	29	20
13	7.2	8.2	478	4.2	9.6	11	11	15	39	e25	28	19
14	7.1	8.3	478	4.4	9.6	10	8.6	16	34	e20	29	19
15	7.2	8.0	e478	4.3	9.5	11	12	15	30	e15	29	20
16	7.6	7.9	481	4.3	9.6	9.8	13	20	28	e12	31	18
17	8.7	8.1	537	4.3	9.5	9.3	14	24	17	11	29	13
18	8.8	8.0	882	4.3	9.4	8.8	14	27	18	11	29	7.0
19	8.8	7.5	484	4.3	9.4	8.3	12	30	18	11	31	8.2
20	8.8	7.5	251	5.4	11	8.0	9.9	29	30	16	32	11
21	9.0	7.5	8.8	7.0	13	7.8	12	29	41	25	31	11
22	9.2	7.5	8.8	6.8	18	7.7	12	30	39	26	30	9.2
23	12	7.1	8.8	6.9	14	8.2	10	30	38	29	28	9.0
24	9.5	7.4	9.1	6.9	12	9.9	9.5	30	39	30	28	10
25	9.4	7.5	9.1	7.0	11	9.8	9.8	29	35	30	31	11
26	9.6	7.5	9.1	7.0	11	9.3	10	30	37	33	32	11
27	9.7	7.5	9.1	6.9	11	8.9	15	29	36	36	30	11
28	6.1	7.5	9.1	7.0	11	8.7	18	30	36	33	26	11
29	5.9	7.5	9.1	6.8	12	8.6	18	29	37	28	25	11
30	7.3	7.2	9.1	6.9	---	8.4	19	30	31	31	24	10
31	8.3	---	8.8	6.8	---	8.3	---	35	---	29	24	---
TOTAL	261.5	241.4	5255.7	186.4	282.7	339.8	315.2	727	983	706.5	926	457.4
MEAN	8.44	8.05	170	6.01	9.75	11.0	10.5	23.5	32.8	22.8	29.9	15.2
MAX	13	11	882	8.8	18	17	19	35	41	36	34	21
MIN	5.9	7.1	7.0	4.0	6.6	7.7	6.8	15	17	9.5	24	7.0
AC-FT	519	479	10420	370	561	674	625	1440	1950	1400	1840	907

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1992, BY WATER YEAR (WY)

MEAN	11.6	10.3	49.5	8.44	9.57	14.3	24.0	64.5	107	130	103	24.8
MAX	14.6	14.4	170	14.9	15.2	28.4	46.6	159	214	257	230	35.7
(WY)	1989	1989	1992	1989	1989	1989	1989	1989	1989	1991	1991	1991
MIN	8.44	7.38	6.45	6.01	6.30	7.47	10.5	23.5	32.8	22.8	29.9	15.2
(WY)	1992	1990	1991	1992	1991	1991	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1989 - 1992	
ANNUAL TOTAL	27727.4		10682.6			
ANNUAL MEAN	76.0		29.2		46.7	
HIGHEST ANNUAL MEAN					62.7	1991
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	882	Dec 18	882	Dec 18	882	Dec 18 1991
LOWEST DAILY MEAN	5.3	Mar 14	4.0	Jan 10	4.0	Jan 10 1992
ANNUAL SEVEN-DAY MINIMUM	5.5	Mar 12	4.2	Jan 10	4.2	Jan 10 1992
ANNUAL RUNOFF (AC-FT)	55000		21190		33870	
10 PERCENT EXCEEDS	262		33		146	
50 PERCENT EXCEEDS	9.2		11		15	
90 PERCENT EXCEEDS	6.2		7.0		6.7	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT

LOCATION.--Lat 41°16'42", long 112°05'28", in NW¼NW¼NE¼ sec. 8, T. 6 N., R. 2 W., Weber County, Hydrologic Unit 16020102, on upstream side of right highway bridge abutment, on State Highway 40, 1 mi downstream from Fourmile Creek, 1.5 mi south of Plain City, and 6 mi upstream from mouth.

DRAINAGE AREA.--2,081 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft above NGVD of 1929. Prior to Aug. 29, 1949, non-recording gage at same site and datum, and Aug. 30, 1949 to June 22, 1966, water-stage recorder on right bank 50 ft upstream at same datum. Prior to Oct. 1, 1986 at datum 10.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Practically entire flow is diverted during summer months for irrigation above station. Flow regulated by Rockport, Echo, Lost Creek, East Canyon, and Pine View Reservoirs; also diversion above station to Willard Bay Reservoir (see stations 10129400, 10131500, 10132490, 10134000, and 10140800).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft³/s May 6, 1952, gage height, 19.01 ft; practically no flow during latter part of several summers since 1915.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 569 ft³/s Oct. 27, gage height, 14.81 ft; minimum daily, 38 ft³/s June 25.

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	86	175	155	57	110	85	62	e109	82	118	50	103
2	78	188	166	66	111	83	87	e108	86	81	97	147
3	83	171	171	146	115	103	89	e106	58	54	110	97
4	82	168	168	129	124	102	86	e106	70	49	99	124
5	87	174	169	130	127	78	92	e106	86	60	47	149
6	103	198	165	125	127	82	98	e100	86	56	81	102
7	103	217	171	127	111	95	71	e96	94	69	69	76
8	99	191	217	136	111	98	66	e102	89	84	64	96
9	106	233	185	117	120	86	68	e130	84	70	72	101
10	102	237	162	106	126	91	74	e118	80	64	65	75
11	97	204	157	106	144	81	102	e82	79	68	51	103
12	98	188	186	115	151	101	112	104	83	155	47	90
13	92	199	204	109	185	96	117	111	98	226	57	113
14	108	200	143	113	180	75	86	108	110	98	84	110
15	137	194	126	116	137	73	71	121	263	108	100	102
16	165	189	130	113	173	73	72	115	200	94	100	79
17	129	192	121	108	200	105	116	110	114	88	142	101
18	116	258	172	102	183	126	161	89	75	78	92	86
19	121	209	401	97	179	91	e160	92	76	70	99	64
20	135	195	297	97	222	77	e152	110	86	61	110	78
21	151	197	73	100	334	73	e150	166	75	55	95	85
22	192	190	68	106	413	72	e190	175	65	67	83	103
23	296	180	76	128	419	71	e150	83	54	73	86	77
24	233	175	171	144	330	82	e125	108	41	60	109	101
25	218	182	192	114	269	72	e115	99	38	50	98	134
26	204	180	185	118	233	72	e117	85	53	51	94	132
27	421	179	160	107	206	71	e117	112	87	62	91	131
28	284	191	141	111	144	69	e117	119	65	78	74	136
29	230	189	158	122	113	66	e114	122	58	60	66	109
30	189	181	161	117	---	65	e110	105	72	74	82	66
31	177	---	128	111	---	65	---	90	---	86	85	---
TOTAL	4722	5824	5179	3493	5397	2579	3247	3387	2607	2467	2599	3070
MEAN	152	194	167	113	186	83.2	108	109	86.9	79.6	83.8	102
MAX	421	258	401	146	419	126	190	175	263	226	142	149
MIN	78	168	68	57	110	65	62	82	38	49	47	64
AC-FT	9370	11550	10270	6930	10700	5120	6440	6720	5170	4890	5160	6090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1992, BY WATER YEAR (WY)

MEAN	331	315	359	390	440	737	1109	1350	815	142	103	217
MAX	968	748	1884	1691	2399	3502	3639	4111	4233	661	414	968
(WY)	1985	1983	1984	1984	1986	1986	1986	1984	1983	1975	1983	1983
MIN	27.4	45.2	41.8	35.4	40.8	44.5	59.7	44.7	36.9	28.0	32.7	57.9
(WY)	1989	1989	1989	1989	1989	1977	1988	1988	1988	1988	1988	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966 - 1992	
ANNUAL TOTAL	48882		44571			
ANNUAL MEAN	134		122		525	
HIGHEST ANNUAL MEAN					1427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	1050	Jun 3	421	Oct 27	7060	Jun 3 1983
LOWEST DAILY MEAN	31	Jul 7	38	Jun 25	10	May 25 1966
ANNUAL SEVEN-DAY MINIMUM	38	Jul 4	57	Jun 23	19	Jul 3 1966
ANNUAL RUNOFF (AC-FT)	96960		88410		380600	
10 PERCENT EXCEEDS	217		192		1470	
50 PERCENT EXCEEDS	89		106		198	
90 PERCENT EXCEEDS	49		66		58	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to September 1981.
WATER TEMPERATURES: October 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,130 microsiemens May 16, 1977; minimum, 120 microsiemens November 11, 1978.
WATER TEMPERATURES: Maximum, 28.5°C June 25, 26, 1977; minimum, 0.0°C Dec. 31, 1978, Jan. 1, 1979, Jan. 1, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
NOV												
14...	1150	198	740	8.1	6.0	8.0	4.7	8.4	640	80	320	260
MAR												
20...	1145	73	760	8.0	11.0	10.0	6.9	8.2	650	100	94	280
MAY												
11...	1220	80	980	8.2	21.0	16.5	8.5	7.6	650	80	270	240
JUL												
24...	1227	51	1150	8.2	26.0	24.0	13	6.0	650	100	55	260

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV												
14...	66	23	51	29	1	6.2	--	288	236	42	76	0.2
MAR												
20...	66	29	83	38	2	11	--	336	275	41	120	0.2
MAY												
11...	56	23	95	46	3	9.2	0	255	209	43	170	0.2
JUL												
24...	60	27	120	49	3	11	0	266	218	48	210	0.2

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV												
14...	8.5	415	415	0.56	222	--	--	<0.01	<0.01	0.09	0.06	0.03
MAR												
20...	12	543	545	0.74	107	2.59	2.50	0.21	0.20	2.80	2.70	1.10
MAY												
11...	8.6	518	535	0.70	112	0.55	0.56	0.05	0.05	0.60	0.61	0.18
JUL												
24...	13	628	622	0.85	86.5	0.16	0.17	0.02	0.01	0.18	0.18	0.21

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV											
14...	0.02	0.03	0.17	0.20	0.29	1.3	<0.01	0.03	0.02	0.02	0.06
MAR											
20...	1.1	1.4	1.1	2.2	5.0	22	1.30	1.40	1.20	1.20	3.7
MAY											
11...	0.19	0.24	0.62	0.80	1.4	6.2	0.34	0.28	0.30	0.27	0.83
JUL											
24...	0.21	0.27	0.49	0.70	0.88	3.9	0.24	0.22	0.21	0.18	0.55

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV 14...	1150	10	110	<3	16	41	32
MAR 20...	1145	20	100	<3	56	73	98
MAY 11...	1220	<10	120	<3	13	61	60
JUL 24...	1227	<10	130	<3	12	75	45

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV 14...	<10	1	<1	<1.0	320	<6
MAR 20...	<10	4	<1	<1.0	350	<6
MAY 11...	<10	<1	<1	<1.0	310	<6
JUL 24...	<10	2	<1	<1.0	340	<6

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	TEMPERATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
NOV 14...	1150	198	8.0	71	130	69
MAR 20...	1145	73	10.0	82	23	4.5

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE$^1/_4$SW$^1/_4$NW$^1/_4$, sec. 6, T. 12 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on left bank 40 ft upstream from bridge crossing, 800 ft downstream from Burriston ponds, 0.5 mi upstream from Mona Reservoir, 1 mi southwest of Mona.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WDR UT-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,890 ft above NGVD of 1929, from topographic map. Prior to June 10, 1985, at same site, different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft^3/s May 14, 1984, gage height, 6.30 ft; maximum gage height, 6.77 ft, May 31, 1983, site and datum then in use; minimum, 2.4 ft^3/s Aug. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32 ft^3/s Mar. 5, gage height, 0.96 ft; minimum daily discharge, 2.4 ft^3/s Aug. 30.

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	5.6	8.8	e8.2	10	11	12	11	6.8	5.8	4.5	3.4	2.7
2	6.0	8.9	e8.4	10	11	12	11	6.7	6.3	4.7	3.4	2.7
3	6.0	8.4	e8.6	9.9	11	12	10	6.7	6.3	4.5	3.5	2.7
4	6.0	8.8	e9.2	10	12	17	10	6.7	5.9	4.4	3.4	3.2
5	6.2	8.9	e9.4	10	12	28	11	6.3	5.8	4.3	3.4	3.3
6	6.8	8.6	e9.6	10	12	17	11	6.3	5.1	4.2	3.2	3.0
7	6.0	8.3	e9.4	10	12	16	10	6.2	5.2	4.6	3.3	2.9
8	5.7	8.3	e9.3	10	14	17	10	6.4	4.9	4.8	3.1	2.7
9	6.4	8.9	9.2	10	15	24	10	6.9	5.0	4.3	3.1	2.9
10	5.1	8.8	8.8	9.9	15	16	9.7	6.8	5.1	4.1	3.3	2.9
11	3.2	8.3	8.8	10	19	14	9.7	6.3	5.1	4.1	3.1	2.9
12	7.0	8.3	8.6	10	21	12	9.5	6.3	5.0	4.7	2.9	3.1
13	10	8.3	8.7	9.7	21	12	9.2	6.0	4.7	4.4	2.9	3.3
14	6.6	9.5	8.5	9.6	e20	11	9.5	6.0	4.7	4.2	3.1	3.5
15	6.3	9.5	8.6	9.7	e19	11	9.2	5.7	4.9	4.5	3.1	3.6
16	7.4	8.3	8.6	9.6	e17	11	9.4	5.6	5.1	4.3	3.2	3.7
17	6.8	8.3	8.6	9.6	e16	11	9.6	5.8	5.2	4.2	2.8	3.7
18	6.4	8.6	9.0	9.6	e15	13	9.2	5.9	4.9	4.3	3.2	3.9
19	6.7	8.5	9.4	9.3	e17	14	9.2	5.6	4.5	4.5	3.1	4.1
20	7.1	8.3	9.3	9.1	e18	13	9.0	5.5	4.3	4.3	2.8	4.1
21	7.2	8.3	9.2	8.8	e17	13	8.8	5.9	4.6	4.2	2.6	4.2
22	6.9	8.3	9.2	8.7	e16	15	8.8	6.0	4.4	4.1	2.7	4.0
23	8.0	8.2	9.2	8.7	e16	17	8.5	5.7	4.3	3.9	2.9	4.0
24	7.4	8.3	9.2	8.8	e15	16	8.3	5.7	4.3	4.0	2.7	4.2
25	7.0	8.3	9.1	8.9	14	14	8.1	6.3	4.3	4.0	2.7	4.2
26	7.5	9.0	9.1	9.1	13	13	8.2	6.1	4.3	4.0	2.6	4.3
27	10	9.3	9.1	9.3	13	13	7.9	6.3	4.5	3.9	2.7	4.4
28	9.4	9.0	9.0	9.5	13	13	7.6	6.0	4.4	4.0	2.7	4.6
29	9.2	8.4	9.2	9.6	12	12	7.1	5.9	4.2	3.9	2.6	4.6
30	8.8	8.3	9.4	9.9	---	12	7.0	6.6	4.4	3.9	2.4	4.6
31	8.5	---	10	10	---	11	---	5.9	---	3.5	2.6	---
TOTAL	217.2	258.0	279.9	297.3	437	442	277.5	190.9	147.5	131.3	92.5	108.0
MEAN	7.01	8.60	9.03	9.59	15.1	14.3	9.25	6.16	4.92	4.24	2.98	3.60
MAX	10	9.5	10	10	21	28	11	6.9	6.3	4.8	3.5	4.6
MIN	3.2	8.2	8.2	8.7	11	11	7.0	5.5	4.2	3.5	2.4	2.7
AC-FT	431	512	555	590	867	877	550	379	293	260	183	214

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	24.5	31.1	32.1	32.3	46.1	61.6	63.5	68.6	38.7	15.3	13.3	15.8
MAX	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
(WY)	1985	1984	1984	1986	1986	1985	1985	1984	1983	1983	1984	1984
MIN	6.33	7.66	8.54	9.38	15.1	14.3	9.25	6.16	4.92	4.24	2.98	3.60
(WY)	1991	1991	1991	1991	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979 - 1992	
ANNUAL TOTAL	3497.4		2879.1			
ANNUAL MEAN	9.58		7.87		36.8	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					7.87	1992
HIGHEST DAILY MEAN	40	Feb 17	28	Mar 5	566	May 14 1984
LOWEST DAILY MEAN	3.2	Oct 11	2.4	Aug 30	2.4	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 30	2.6	Aug 25	2.6	Aug 25 1992
ANNUAL RUNOFF (AC-FT)	6940		5710		26680	
10 PERCENT EXCEEDS	16		13		84	
50 PERCENT EXCEEDS	8.8		8.1		17	
90 PERCENT EXCEEDS	5.5		3.3		7.1	

e Estimated

10148200 TIE FORK NEAR SOLDIER SUMMIT, UT

LOCATION.--39°57'00", long 111°12'58", in NE¼NE¼SW¼ sec. 14, T. 10 S., R. 6 E., Utah County, Hydrologic Unit 16020202, on right bank 230 ft upstream from mouth and U.S. Highway 6-50, 250 ft downstream from Denver & Rio Grande Western Railroad, 7.4 mi west of Soldier Summit, and 15.2 mi east of Thistle.

DRAINAGE AREA.--19.4 mi².

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

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder and artificial control. Elevation of gage is 6,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,200 ft³/s Aug. 21, 1983, result of instantaneous removal of upstream blockage, gage height, about 7.85 ft from high-water mark, from rating curve extended above 26 ft³/s on basis of slope-area measurement; minimum, 0.15 ft³/s Aug. 19, 20, 1983, result of temporary blockage upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 9	1056	*2.6	*1.38				

Minimum daily, .62 ft³/s Aug. 3.

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	2.0	2.2	e2.1	2.0	1.8	1.9	1.9	1.6	1.8	1.8	.72	.71
2	2.1	2.2	e2.2	e1.9	1.9	1.9	1.9	1.6	1.8	1.8	.71	.71
3	2.1	e2.1	e2.2	e1.8	1.9	1.9	1.8	1.7	1.8	1.7	.62	.68
4	2.0	2.2	2.0	2.1	1.7	1.9	1.9	1.7	1.8	1.5	.66	.75
5	1.9	2.1	2.0	2.1	1.8	2.0	1.8	1.6	1.8	1.5	.68	.76
6	1.9	2.2	2.3	2.0	1.8	1.9	1.9	1.6	1.8	1.5	.70	.74
7	1.9	2.2	2.2	2.0	1.8	1.9	1.9	1.6	1.8	1.6	.74	.71
8	1.9	2.2	2.2	1.9	1.8	2.0	1.9	1.7	1.8	1.7	.77	.71
9	1.9	2.2	2.2	1.9	1.8	1.9	1.8	2.1	1.8	1.5	.69	.67
10	1.9	2.1	2.2	e2.0	1.8	1.9	1.8	1.8	1.7	1.3	.69	.67
11	1.9	2.1	2.2	e1.9	1.9	1.9	1.8	1.8	1.7	1.4	.71	.67
12	1.9	2.1	2.1	2.0	1.8	1.9	1.8	1.8	1.7	1.6	.69	.67
13	1.9	2.1	2.2	e1.9	1.9	2.0	1.9	1.8	1.7	1.5	.69	.67
14	1.9	2.2	2.0	e1.8	1.9	1.8	1.9	1.7	1.8	1.4	.72	.66
15	1.9	2.3	e1.9	2.1	1.8	1.8	1.9	1.7	2.0	1.3	.72	.66
16	1.8	2.3	e1.9	e1.9	1.9	1.9	1.9	1.7	1.9	1.2	.72	.67
17	1.6	2.3	e1.9	e1.9	1.7	1.9	1.9	1.7	1.9	1.2	.71	.66
18	1.6	2.4	2.2	e2.0	1.7	2.0	2.0	1.7	1.8	1.1	.71	.66
19	1.7	2.3	2.1	e1.9	1.8	2.0	1.9	1.7	1.7	1.1	.71	.72
20	1.8	2.3	2.1	e2.0	1.9	1.9	1.9	1.9	1.7	1.1	.73	.75
21	1.9	2.3	e2.0	e2.0	1.9	1.9	1.8	2.0	1.7	1.1	.74	.71
22	1.9	2.3	e2.1	e2.1	1.9	1.9	1.8	1.9	1.6	.92	.78	.69
23	2.0	e2.3	e2.0	e2.1	1.9	2.0	1.8	1.9	1.6	.92	.85	.69
24	1.9	e2.3	e2.0	e1.9	1.7	1.9	1.8	1.9	1.6	.88	.77	.67
25	2.0	2.3	e2.0	1.9	1.8	1.9	1.7	2.0	1.8	.87	.75	.71
26	2.0	2.3	e2.0	2.1	1.8	1.9	1.7	2.1	1.9	.85	.74	.74
27	2.1	2.3	e2.0	1.9	1.9	1.9	1.7	2.0	1.8	.83	.78	.73
28	2.1	2.3	e2.0	2.1	1.9	1.9	1.7	1.9	1.6	.73	.74	.73
29	2.2	2.3	e1.9	1.9	1.9	1.9	1.7	1.9	1.6	.72	.71	.73
30	2.1	e2.3	e2.1	1.9	---	1.9	1.6	1.9	1.6	.72	.69	.73
31	e2.1	---	2.1	1.9	---	1.8	---	1.8	---	.72	.74	---
TOTAL	59.9	67.1	64.4	60.9	53.1	59.2	54.8	55.8	52.6	38.06	22.38	21.03
MEAN	1.93	2.24	2.08	1.96	1.83	1.91	1.83	1.80	1.75	1.23	.72	.70
MAX	2.2	2.4	2.3	2.1	1.9	2.0	2.0	2.1	2.0	1.8	.85	.76
MIN	1.6	2.1	1.9	1.8	1.7	1.8	1.6	1.6	1.6	.72	.62	.66
AC-FT	119	133	128	121	105	117	109	111	104	75	44	42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	3.40	3.11	2.76	2.63	2.78	3.78	7.74	15.1	10.8	6.99	4.92	3.79
MAX	6.32	5.19	4.64	4.09	4.47	10.4	27.5	53.7	43.3	21.3	11.8	7.99
(WY)	1984	1985	1984	1984	1984	1986	1985	1984	1983	1983	1983	1984
MIN	.73	.96	1.13	1.20	1.41	1.70	1.83	1.80	1.57	1.23	.72	.70
(WY)	1978	1978	1978	1967	1978	1991	1992	1992	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	1054.2		609.27			
ANNUAL MEAN	2.89		1.66		5.67	
HIGHEST ANNUAL MEAN					14.1	1984
LOWEST ANNUAL MEAN					1.66	1992
HIGHEST DAILY MEAN	6.5	May 26	2.4	Nov 18	84	May 31 1983
LOWEST DAILY MEAN	1.5	Jan 21	.62	Aug 3	.20	Aug 20 1983
ANNUAL SEVEN-DAY MINIMUM	1.5	Feb 28	.66	Sep 12	.64	Oct 15 1977
ANNUAL RUNOFF (AC-FT)	2090		1210		4110	
10 PERCENT EXCEEDS	5.4		2.1		11	
50 PERCENT EXCEEDS	2.3		1.9		3.6	
90 PERCENT EXCEEDS	1.7		.72		1.9	

e Estimated

10148510 SPANISH FORK BELOW HALLS FALLS NEAR SPANISH FORK, UT

LOCATION.--Lat 40°00'34", long 111°29'42", in SE¼SW¼SW¼ sec. 21, T. 9 S., R. 4 E., Utah County, Hydrologic Unit 16020202, on right bank 1.0 mi downstream from Thistle slide, 1.2 mi upstream from Diamond Fork and 12 mi southeast of Spanish Fork.

DRAINAGE AREA.--452 mi².

PERIOD OF RECORD.--April 1983 to current year.

REVISED RECORDS.--WDR UT-89-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,420 ft³/s May 15, 1984; minimum daily, 0.80 ft³/s Apr. 17, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 87 ft³/s Nov. 27, gage height, 74.68 ft; minimum daily discharge, 14 ft³/s July 26-28.

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	29	36	34	47	44	48	37	45	37	25	17	24
2	28	38	36	41	43	47	36	48	35	27	17	25
3	28	37	39	40	42	47	36	50	33	26	17	25
4	28	40	41	46	45	47	37	49	32	24	17	26
5	28	43	42	46	41	48	37	49	33	23	17	29
6	30	44	42	47	42	48	35	49	33	23	18	27
7	30	45	41	47	45	48	34	49	31	23	17	28
8	31	45	43	45	46	47	36	48	30	29	21	26
9	31	44	43	40	45	45	37	54	29	27	19	26
10	32	44	42	41	45	43	38	60	30	24	19	26
11	32	43	43	43	47	42	36	55	32	21	18	25
12	33	43	45	45	49	42	36	51	30	27	17	26
13	32	43	43	40	51	42	35	51	29	27	16	23
14	32	43	42	43	51	42	34	50	30	24	16	24
15	33	45	42	46	50	40	37	49	34	23	15	26
16	33	44	41	41	48	39	46	46	32	21	16	26
17	32	43	44	40	47	39	50	43	33	20	15	26
18	31	44	44	39	44	41	53	42	33	20	15	26
19	31	45	46	38	42	41	53	40	29	20	16	27
20	32	50	46	40	45	39	49	42	28	18	17	29
21	33	48	42	40	45	39	48	43	28	18	20	29
22	33	36	41	39	49	39	47	45	26	16	22	29
23	34	41	43	39	51	43	43	45	24	15	24	30
24	36	40	42	42	45	45	41	44	24	16	25	29
25	35	47	43	45	44	43	41	44	25	17	24	28
26	36	41	41	45	44	42	42	43	25	14	24	30
27	37	46	41	45	45	38	41	45	25	14	24	30
28	39	49	43	44	47	39	41	44	24	14	25	30
29	39	45	44	45	47	39	43	42	22	16	24	30
30	37	42	44	43	---	37	44	41	24	18	22	28
31	35	---	46	44	---	35	---	38	---	18	22	---
TOTAL	1010	1294	1309	1326	1329	1314	1223	1444	880	648	596	813
MEAN	32.6	43.1	42.2	42.8	45.8	42.4	40.8	46.6	29.3	20.9	19.2	27.1
MAX	39	50	46	47	51	48	53	60	37	29	25	30
MIN	28	36	34	38	41	35	34	38	22	14	15	23
AC-FT	2000	2570	2600	2630	2640	2610	2430	2860	1750	1290	1180	1610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

MEAN	119	105	68.8	62.0	78.6	106	205	350	160	79.9	63.4	58.4
MAX	576	417	157	107	206	235	533	1417	610	251	188	141
(WY)	1984	1984	1984	1984	1986	1986	1984	1984	1984	1984	1984	1984
MIN	30.7	41.6	35.5	39.4	43.7	42.4	40.8	46.6	29.3	20.9	19.2	27.1
(WY)	1991	1991	1991	1991	1990	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	20467		13186			
ANNUAL MEAN	56.1		36.0		121	
HIGHEST ANNUAL MEAN					394	1984
LOWEST ANNUAL MEAN					36.0	1992
HIGHEST DAILY MEAN	235	May 27	60	May 10	2420	May 15 1984
LOWEST DAILY MEAN	15	Feb 7	14	Jul 26	5.6	Oct 11 1990
ANNUAL SEVEN-DAY MINIMUM	28	Sep 29	15	Jul 22	15	Jul 22 1992
ANNUAL RUNOFF (AC-FT)	40600		26150		88020	
10 PERCENT EXCEEDS	107		47		232	
50 PERCENT EXCEEDS	43		39		63	
90 PERCENT EXCEEDS	32		21		32	

10149500 DIAMOND FORK BELOW RED HOLLOW, NEAR THISTLE, UT

LOCATION.--Lat 40°04'43", long 111°24'32", in $SE^1/_4NW^1/_4NW^1/_4$ sec. 32, T. 8 S., R. 5 E., Utah County, on right bank 0.5 mi downstream from Red Hollow, 7.0 mi upstream from mouth, and 8 mi northeast of Thistle.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--October 1953 to June 1969, December 1988 to current year. Records for October and November, 1988 provided by Bureau of Reclamation.

GAGE.--Water-stage recorder. Elevation of gage is 5,260 ft above NGVD of 1929, from topographic map. Prior to Dec. 8, 1988 at site approximately 0.2 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River basin via Strawberry tunnel for irrigation in vicinity of Spanish Fork.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,020 ft^3/s July 13, 1954, gage height, 4.71 ft; minimum, 1.5 ft^3/s Dec. 5, 1959, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 494 ft^3/s June 11, gage height 3.13 ft; minimum daily discharge 12 ft^3/s Oct. 17-19.

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	15	14	105	105	105	109	262	420	293	412	421	159
2	14	14	e98	105	105	109	360	423	356	358	379	148
3	14	e14	106	e100	105	110	361	419	432	316	361	123
4	13	14	e100	105	105	101	360	409	473	288	369	345
5	14	14	106	105	106	86	360	431	461	270	382	335
6	14	16	106	106	105	86	363	433	453	283	362	323
7	13	16	107	105	105	86	364	441	449	323	362	323
8	13	15	107	105	105	86	366	431	453	302	348	324
9	13	14	106	105	105	85	369	411	454	260	334	323
10	13	15	e99	106	105	85	368	271	453	231	356	323
11	13	14	107	107	106	85	52	212	458	233	348	323
12	13	14	107	105	105	95	27	179	462	236	378	339
13	13	14	106	105	105	110	26	153	459	181	382	337
14	13	16	106	106	105	111	26	136	463	147	345	338
15	13	34	e102	106	105	111	93	143	454	132	342	318
16	13	97	108	e105	105	111	152	170	427	141	342	322
17	12	102	108	e102	105	112	172	212	375	142	352	301
18	12	106	106	e99	102	122	158	222	328	179	333	314
19	12	106	107	e97	103	140	134	281	315	208	324	322
20	13	106	105	e96	105	140	115	334	355	250	292	318
21	13	107	108	e96	105	140	142	337	343	323	287	316
22	13	106	107	e95	106	141	168	231	344	353	295	307
23	15	106	107	e95	105	143	169	170	426	394	264	295
24	14	106	108	e95	105	143	190	142	453	369	233	292
25	14	106	108	105	105	152	180	139	446	347	196	314
26	14	106	110	106	105	166	179	156	416	397	169	314
27	17	107	108	105	106	167	199	213	407	376	160	326
28	15	107	105	105	108	168	288	260	409	427	171	317
29	14	107	105	105	108	167	380	274	409	445	149	329
30	13	104	105	106	---	168	404	267	409	439	170	319
31	14	---	105	105	---	168	---	288	---	438	144	---
TOTAL	419	1817	3278	3193	3050	3803	6787	8608	12435	9200	9350	9087
MEAN	13.5	60.6	106	103	105	123	226	278	414	297	302	303
MAX	17	107	110	107	108	168	404	441	473	445	421	345
MIN	12	14	98	95	102	85	26	136	293	132	144	123
AC-FT	831	3600	6500	6330	6050	7540	13460	17070	24660	18250	18550	18020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1992, BY WATER YEAR (WY)

MEAN	28.4	48.0	86.7	99.9	99.8	99.7	131	200	340	372	318	182
MAX	49.5	97.7	108	110	110	123	226	278	415	414	360	303
(WY)	1989	1990	1990	1990	1990	1992	1992	1992	1989	1991	1991	1992
MIN	13.5	14.7	41.7	92.8	90.6	65.6	44.3	54.4	257	297	261	117
(WY)	1992	1989	1989	1991	1989	1991	1991	1991	1990	1992	1989	1991

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1989 - 1992	
ANNUAL TOTAL	51721		71027			
ANNUAL MEAN	142		194		168	
HIGHEST ANNUAL MEAN					194	1992
LOWEST ANNUAL MEAN					137	1991
HIGHEST DAILY MEAN	484	Jun 28	473	Jun 4	492	Jun 25 1990
LOWEST DAILY MEAN	12	Mar 16	12	Oct 17	10	Dec 17 1988
ANNUAL SEVEN-DAY MINIMUM	13	Mar 13	13	Oct 13	11	Dec 3 1988
ANNUAL RUNOFF (AC-FT)	102600		140900		121400	
10 PERCENT EXCEEDS	412		408		406	
50 PERCENT EXCEEDS	94		140		108	
90 PERCENT EXCEEDS	14		15		15	

e Estimated

10150500 SPANISH FORK AT CASTILLA, UT

LOCATION.--Lat 40°02'59", long 111°32'50", in SE¼NE¼NW¼ sec. 12, T. 9 S., R. 3 E., Utah County, Hydrologic Unit 16020202, on right bank 600 ft upstream from outlet of Cold Springs, 0.9 mi upstream from diversion dam of Bureau of Reclamation, 1.5 mi northwest of Castilla, and 2.8 mi downstream from Diamond Fork.

DRAINAGE AREA.--652 mi².

PERIOD OF RECORD.--September 1889 to December 1890, April 1903 to November 1917, May 1919 to September 1925, January 1933 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Spanish Fork" 1889-90, 1903-08.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map. Prior to May 3, 1919, nonrecording gages at various sites 1.5 mi to 2.5 mi downstream from present site at different datums below power canal, which began diverting late in 1908. May 3, 1919, to Apr. 14, 1920, nonrecording gage, Apr. 15, 1920, to Sept. 30, 1925, and Jan. 1, 1933, to Apr. 16, 1940, water-stage recorder, at present site upstream from power canal at datum 2.00 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several small diversions for irrigation above station. Flow since June 1915 includes water diverted from Strawberry Reservoir, capacity, 1,106,500 acre-ft since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork. Flow affected by mudslide and draining of resultant lake about 5 mi upstream Apr. 14 to Sept. 30, 1983.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft³/s May 15, 1984, gage height, 11.53 ft; minimum, 5.8 ft³/s Dec. 18, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 541 ft³/s May 9, June 11, gage-height, 4.50 ft:; minimum daily discharge, 48 ft³/s Oct. 4.

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	e52	63	e129	144	140	146	298	488	308	452	480	198
2	e49	62	e132	137	139	148	434	500	379	397	435	192
3	e49	61	e134	143	139	148	421	503	453	349	402	165
4	e48	67	e137	151	142	145	433	502	495	318	408	379
5	e49	67	e135	148	139	128	422	517	503	294	430	423
6	e51	65	e137	150	139	124	412	519	506	308	429	407
7	e50	66	e139	152	139	123	404	518	515	339	423	405
8	e51	64	e140	145	140	125	410	507	522	339	415	406
9	e51	64	135	138	140	124	414	508	515	293	394	406
10	e52	64	135	139	142	120	423	368	514	258	415	407
11	e52	64	142	142	145	121	158	277	523	255	410	408
12	e53	64	141	148	150	123	81	232	524	268	429	421
13	e52	65	141	139	149	139	78	200	517	215	433	421
14	e52	67	136	146	149	139	79	177	517	174	401	422
15	e53	67	136	145	146	137	134	177	523	155	392	409
16	e53	121	138	138	146	145	219	200	499	157	393	405
17	e51	e141	140	142	145	140	245	237	446	157	409	385
18	e50	e145	141	136	141	142	234	249	387	187	390	399
19	e51	e144	142	134	140	165	203	309	363	218	374	415
20	e52	e150	141	135	142	162	181	379	402	261	346	417
21	e54	e148	137	135	144	161	207	402	394	336	339	408
22	54	e142	139	139	154	161	238	294	388	372	352	395
23	58	e157	139	140	154	168	243	219	464	425	326	382
24	61	e145	137	142	148	181	267	183	493	415	291	379
25	59	e145	138	143	147	184	262	175	495	398	250	400
26	58	e139	137	140	146	213	242	188	467	447	218	409
27	61	e144	137	142	146	223	250	237	454	421	206	428
28	62	e145	140	139	148	217	331	284	451	460	213	423
29	62	e142	143	137	148	215	434	303	449	480	195	426
30	61	e135	142	137	---	224	472	294	453	487	211	421
31	58	---	142	139	---	224	---	305	---	493	188	---
TOTAL	1669	3113	4282	4385	4187	4915	8629	10251	13919	10128	10997	11561
MEAN	53.8	104	138	141	144	159	288	331	464	327	355	385
MAX	62	157	143	152	154	224	472	519	524	493	480	428
MIN	48	61	129	134	139	120	78	175	308	155	188	165
AC-FT	3310	6170	8490	8700	8300	9750	17120	20330	27610	20090	21810	22930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920-25, 1934-92, BY WATER YEAR (WY)

MEAN	112	85.7	78.1	78.6	91.8	130	269	542	461	396	322	199
MAX	654	480	209	165	264	334	1054	2077	1593	565	525	385
(WY)	1984	1984	1984	1990	1986	1986	1952	1984	1983	1922	1985	1992
MIN	33.5	42.7	40.5	45.4	41.9	53.0	56.7	180	126	101	92.4	59.7
(WY)	1935	1962	1961	1961	1964	1964	1961	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1920-25, 1934-92	
ANNUAL TOTAL	77671		88036			
ANNUAL MEAN	213		241		232	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	576	Jun 28	524	Jun 12	3700	May 15 1984
LOWEST DAILY MEAN	48	Oct 4	48	Oct 4	20	Dec 9 1951
ANNUAL SEVEN-DAY MINIMUM	50	Oct 2	50	Oct 2	27	Oct 25 1934
ANNUAL RUNOFF (AC-FT)	154100		174600		167900	
10 PERCENT EXCEEDS	485		451		504	
50 PERCENT EXCEEDS	143		166		145	
90 PERCENT EXCEEDS	64		64		59	

e Estimated

10153800 NORTH FORK PROVO RIVER NEAR KAMAS, UT

LOCATION.--Lat 40°35'48", long 111°05'48", in NE¼SW¼SE¼ sec. 36, T. 2 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank 500 ft upstream from bridge on State Highway 150, 1,500 ft upstream from mouth, and 9.5 mi southeast of Kamas.

DRAINAGE AREA.--24.4 mi².

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

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,480 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Slight regulation from several small reservoirs at headwaters used for storing water for release during the summer and fall. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 728 ft³/s June 5, 1986, gage height, 2.98 ft; minimum recorded, 1.9 ft³/s several days during winter of 1964-65.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 30	2100	*130	*1.65				

Minimum daily discharge, 2.3 ft³/s Sept. 23, 30.

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	6.6	e6.1	e3.9	e5.5	e4.1	e7.7	13	110	52	13	3.5	3.6
2	6.0	e5.8	e5.8	e5.3	e4.1	e7.9	14	94	49	13	3.4	3.3
3	5.7	e4.8	e6.7	e5.6	e4.0	e8.0	17	88	47	12	3.4	3.0
4	5.3	e6.9	e6.9	e6.0	e4.2	e8.0	19	93	44	11	3.4	3.4
5	5.2	e6.6	e7.0	e5.8	e3.8	e8.0	21	97	40	10	3.8	3.6
6	5.1	e12	e7.2	e5.9	e3.8	e7.7	21	96	37	9.2	4.0	3.2
7	5.0	11	e7.1	e6.0	e4.5	e8.3	20	97	35	9.8	4.2	2.9
8	4.9	9.1	e7.1	e6.0	e5.1	e8.1	20	99	33	10	4.1	2.8
9	4.8	10	e6.2	e5.4	e5.6	e7.9	23	102	31	9.1	3.7	2.7
10	4.7	11	e6.6	e5.0	e5.6	e7.7	25	87	29	8.3	3.5	2.6
11	4.6	9.2	e6.8	e4.8	e5.6	e8.2	30	80	28	9.0	3.5	2.6
12	4.5	8.4	e6.4	e4.6	e5.4	e8.8	39	80	27	14	3.3	2.9
13	4.4	8.2	e6.4	e4.4	e6.0	e8.8	41	91	25	13	3.1	3.1
14	4.3	8.5	e5.6	e4.8	e5.8	e9.5	39	93	24	9.8	3.1	2.7
15	4.2	8.8	e6.4	e4.7	e4.8	e10	44	89	28	8.7	3.3	2.6
16	4.2	7.7	e6.3	e4.6	e6.2	e10	40	86	28	7.8	5.5	2.5
17	4.1	e7.2	e6.2	e4.8	e5.4	e10	39	82	27	7.1	4.0	2.7
18	4.0	e8.0	e6.5	e4.2	e4.0	e10	38	76	25	6.6	3.5	2.6
19	4.0	7.3	e6.6	e4.2	e5.1	8.7	32	76	23	6.4	3.3	2.5
20	4.0	e7.7	e6.1	e4.4	e6.7	9.0	30	88	21	6.0	3.1	2.6
21	4.1	e8.8	e5.6	e4.4	e7.3	11	30	90	20	5.7	3.1	2.5
22	4.1	e7.6	e6.1	e4.5	e7.9	11	31	82	18	5.3	3.2	2.4
23	5.6	e4.5	e6.0	e4.6	e7.3	9.2	28	73	18	5.0	4.2	2.3
24	6.0	e8.8	e6.0	e4.3	e5.6	8.4	27	69	17	4.9	3.6	2.8
25	5.5	e8.9	e6.0	e4.2	e7.6	8.6	32	64	17	4.7	3.3	2.9
26	5.5	e8.5	e5.7	e4.2	e6.2	8.5	42	61	18	4.6	3.1	2.8
27	6.3	e8.0	e5.7	e4.2	e6.8	9.0	63	57	17	4.4	3.0	2.7
28	e5.8	7.8	e5.8	e4.1	e7.2	9.5	88	53	15	4.2	2.8	2.5
29	e5.6	e6.4	e5.8	e4.1	e7.5	10	105	48	14	4.1	2.7	2.4
30	e5.0	e4.8	e5.7	e4.1	---	12	114	46	13	3.9	2.7	2.3
31	e4.7	---	e5.8	e4.1	---	13	---	48	---	3.7	3.1	---
TOTAL	153.8	238.4	192.0	148.8	163.2	282.5	1125	2495	820	244.3	107.5	83.5
MEAN	4.96	7.95	6.19	4.80	5.63	9.11	37.5	80.5	27.3	7.88	3.47	2.78
MAX	6.6	12	7.2	6.0	7.9	13	114	110	52	14	5.5	3.6
MIN	4.0	4.5	3.9	4.1	3.8	7.7	13	46	13	3.7	2.7	2.3
AC-FT	305	473	381	295	324	560	2230	4950	1630	485	213	166

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	8.67	7.44	6.84	6.06	5.92	8.54	33.5	137	168	53.2	20.1	9.07
MAX	37.0	17.1	15.6	10.1	11.5	29.8	78.4	219	345	169	48.0	27.9
(WY)	1983	1983	1985	1986	1986	1986	1985	1969	1986	1975	1983	1983
MIN	3.67	2.87	2.74	2.45	2.00	2.00	6.85	31.6	27.3	7.88	3.47	2.78
(WY)	1989	1977	1977	1977	1977	1977	1975	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	11965.5		6054.0			
ANNUAL MEAN	32.8		16.5		38.8	
HIGHEST ANNUAL MEAN					68.9	1986
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	309	Jun 13	114	Apr 30	539	Jun 2 1986
LOWEST DAILY MEAN	3.6	Jan 20	2.3	Sep 23	2.0	Jan 31 1977
ANNUAL SEVEN-DAY MINIMUM	3.7	Feb 4	2.5	Sep 17	2.0	Jan 31 1977
ANNUAL RUNOFF (AC-FT)	23730		12010		28090	
10 PERCENT EXCEEDS	84		47		119	
50 PERCENT EXCEEDS	8.0		6.4		9.2	
90 PERCENT EXCEEDS	4.0		3.2		4.2	

e Estimated

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33′28", long 111°10′05", in NE¼NW¼SE¼ sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi².

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

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft³/s June 7, 1986, from rating curve extended above 2,000 ft³/s on the basis of slope-area measurement of peak flow, gage height, 7.40 ft; minimum, 22 ft³/s Nov. 9, 1977, Nov. 23, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 693 ft³/s Apr. 30, May 1, gage height, 3.97 ft; minimum, 22 ft³/s Nov. 23.

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	97	58	33	46	41	51	80	609	213	60	29	28
2	91	55	51	41	41	51	86	534	202	61	27	26
3	87	44	57	44	40	53	97	493	198	55	27	25
4	83	66	59	48	41	52	111	515	206	51	27	27
5	81	62	60	47	37	53	125	532	191	49	26	28
6	85	90	61	47	40	50	124	544	138	50	29	27
7	81	87	62	48	40	54	118	524	142	54	30	26
8	77	73	59	48	41	53	121	514	140	54	30	26
9	77	75	50	42	41	51	131	568	136	50	28	25
10	71	81	52	46	42	50	148	469	127	48	27	24
11	64	72	56	46	42	54	167	428	127	50	26	25
12	61	62	52	45	43	57	204	424	122	70	25	25
13	60	63	52	41	43	58	205	472	103	66	25	25
14	59	68	44	45	44	63	203	524	101	57	25	25
15	58	65	51	45	43	67	223	485	115	54	27	27
16	50	63	51	44	44	68	213	459	116	50	34	27
17	46	58	50	46	44	67	217	434	111	46	30	28
18	46	67	52	40	38	64	220	408	101	45	26	27
19	45	62	53	40	47	62	195	409	84	45	25	27
20	45	61	50	42	45	57	177	532	78	41	25	28
21	45	71	45	42	45	62	179	514	74	39	25	27
22	45	60	49	43	45	61	185	448	72	38	25	27
23	54	35	49	44	45	62	164	388	68	38	29	28
24	50	71	48	43	40	62	154	370	60	38	26	32
25	50	72	48	42	49	60	177	356	61	37	25	31
26	51	68	46	42	42	65	217	327	64	37	24	30
27	59	64	46	42	45	66	287	325	66	36	24	41
28	54	63	46	41	47	68	408	277	60	34	25	43
29	52	55	47	41	49	72	519	254	57	32	25	42
30	47	44	46	41	---	79	593	236	57	30	24	42
31	44	---	47	41	---	83	---	222	---	29	26	---
TOTAL	1915	1935	1572	1353	1244	1875	6048	13594	3390	1444	826	869
MEAN	61.8	64.5	50.7	43.6	42.9	60.5	202	439	113	46.6	26.6	29.0
MAX	97	90	62	48	49	83	593	609	213	70	34	43
MIN	44	35	33	40	37	50	80	222	57	29	24	24
AC-FT	3800	3840	3120	2680	2470	3720	12000	26960	6720	2860	1640	1720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	72.6	66.8	61.6	59.4	58.3	71.6	194	755	781	248	120	82.1
MAX	155	97.9	97.3	86.9	95.7	198	370	1140	1505	658	255	166
(WY)	1983	1983	1984	1984	1986	1986	1985	1984	1986	1965	1965	1982
MIN	41.3	45.0	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	1989	1978	1977	1977	1977	1977	1975	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	66181		36065			
ANNUAL MEAN	181		98.5		215	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	1670	Jun 13	609	May 1	2530	May 28 1979
LOWEST DAILY MEAN	33	Dec 1	24	Aug 26	24	Aug 26 1992
ANNUAL SEVEN-DAY MINIMUM	44	Feb 4	25	Aug 24	25	Aug 24 1992
ANNUAL RUNOFF (AC-FT)	131300		71530		155500	
10 PERCENT EXCEEDS	474		221		612	
50 PERCENT EXCEEDS	65		52		80	
90 PERCENT EXCEEDS	45		27		47	

10154500 WEBER - PROVO DIVERSION CANAL NEAR WOODLAND, UT

LOCATION.--Lat 40°36'40", long 111°18'15", in NE¼SW¼SE¼ sec. 30, T. 2 S., R. 6 E., 100 ft upstream from entrance to flume above Provo River valley, and 4.6 mi northwest of Woodland.

PERIOD OF RECORD.--October 1931 to July 1969, during period of diversion only, October 1988 to current year. Subsequent to September 1990 irrigation season only.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Canal diverts water from Weber River in NW¼SW¼SW¼ sec. 21, T. 1 S., R. 6 E., and from Beaver Creek in SW¼NE¼SE¼ sec. 17, T. 2 S., R. 6 E., to Provo River.

EXTREMES FOR PERIOD OF RECORD.--(Period of diversion only) Maximum daily discharge, 870 ft³/s June 4, 1957; no water diverted from Weber River or Beaver Creek for several months each year.

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	---	---	---	---	---	13	14	224	79	---	---	---
2	---	---	---	---	---	13	14	231	73	---	---	---
3	---	---	---	---	---	12	19	211	44	---	---	---
4	---	---	---	---	---	12	22	212	23	---	---	---
5	---	---	---	---	---	12	21	236	14	---	---	---
6	---	---	---	---	---	11	21	247	1.8	---	---	---
7	---	---	---	---	---	10	21	254	2.0	---	---	---
8	---	---	---	---	---	9.7	21	266	2.7	---	---	---
9	---	---	---	---	---	9.1	22	283	2.0	---	---	---
10	---	---	---	---	---	8.9	22	248	1.8	---	---	---
11	---	---	---	---	---	9.0	17	209	1.9	---	---	---
12	---	---	---	---	---	9.2	16	184	1.7	---	---	---
13	---	---	---	---	---	9.2	20	216	1.7	---	---	---
14	---	---	---	---	---	9.4	23	288	1.6	---	---	---
15	---	---	---	---	---	12	24	308	4.1	---	---	---
16	---	---	---	---	---	11	25	313	3.2	---	---	---
17	---	---	---	---	---	11	27	309	2.6	---	---	---
18	---	---	---	---	---	11	26	288	1.8	---	---	---
19	---	---	---	---	---	11	25	303	1.1	---	---	---
20	---	---	---	---	---	11	26	343	.98	---	---	---
21	---	---	---	---	---	9.8	28	319	.66	---	---	---
22	---	---	---	---	---	10	41	282	.83	---	---	---
23	---	---	---	---	---	10	43	253	1.9	---	---	---
24	---	---	---	---	---	10	39	232	1.6	---	---	---
25	---	---	---	---	---	10	30	204	1.1	---	---	---
26	---	---	---	---	---	9.8	31	140	.97	---	---	---
27	---	---	---	---	---	9.4	50	121	.78	---	---	---
28	---	---	---	---	---	9.4	95	121	.59	---	---	---
29	---	---	---	---	---	15	126	92	.47	---	---	---
30	---	---	---	---	---	14	153	91	.39	---	---	---
31	---	---	---	---	---	14	---	87	---	---	---	---
TOTAL	---	---	---	---	---	335.9	1062	7115	273.27	---	---	---
MEAN	---	---	---	---	---	10.8	35.4	230	9.11	---	---	---
MAX	---	---	---	---	---	15	153	343	79	---	---	---
MIN	---	---	---	---	---	8.9	14	87	.39	---	---	---
AC-FT	---	---	---	---	---	666	2110	14110	542	---	---	---

10155000 PROVO RIVER NEAR HAILSTONE, UT

LOCATION.--Lat 40°36'03", long 111°21'35", in SW¼NE¼SE¼ sec. 34, T. 2 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on right bank 3 mi upstream from Ross Creek and Hailstone.

DRAINAGE AREA.--222 mi².

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR UT-89-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,100 ft above NGVD of 1929, from river-profile map. Prior to Nov. 20, 1964 at datum 1.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft³/s June 7, 1986, from rating curve extended above 2,500 ft³/s; gage height, 9.91 ft from floodmarks; minimum, 11 ft³/s Aug. 20, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 995 ft³/s May 20, gage height 5.01 ft; minimum daily discharge, 17 ft³/s Aug. 21.

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	112	94	e80	e80	e72	88	115	873	265	61	21	27
2	106	89	e85	e72	e72	88	119	816	246	67	21	27
3	103	84	e95	e80	e70	87	135	728	200	60	22	24
4	100	95	e103	e84	e73	86	156	742	190	53	22	26
5	98	100	e106	e82	e66	90	180	787	180	51	22	30
6	102	119	e108	e82	e70	83	177	825	124	50	25	27
7	99	133	e109	e84	e70	87	169	808	119	54	24	26
8	97	112	98	e84	e72	84	172	817	117	59	23	25
9	97	107	86	e75	e72	81	179	901	110	54	21	24
10	94	111	e93	e82	73	76	198	765	102	48	20	23
11	87	105	e98	e80	72	82	208	671	101	47	21	24
12	83	99	e92	e80	72	87	241	620	98	70	20	26
13	84	103	e92	e72	74	87	249	712	80	74	18	27
14	79	119	e78	e80	74	90	243	859	79	61	19	27
15	80	115	e90	e79	75	94	251	836	101	55	19	27
16	74	110	e90	e78	75	96	224	806	96	49	25	27
17	68	105	e88	e80	75	96	211	783	96	46	26	30
18	66	121	e91	e70	71	94	236	717	82	44	23	30
19	63	114	e92	e70	76	92	213	735	65	43	20	30
20	63	102	e88	e74	82	85	195	908	56	40	19	30
21	63	126	e80	e74	84	94	188	901	52	36	17	31
22	63	111	e87	e76	86	88	209	805	49	35	18	32
23	84	97	e86	e78	85	92	197	670	42	34	21	31
24	80	113	e85	e76	78	94	180	623	47	31	21	36
25	75	122	e84	e74	88	90	177	585	59	32	20	36
26	74	118	e82	e74	80	96	204	464	66	31	20	34
27	92	113	e82	e74	84	102	279	444	71	31	19	38
28	87	112	e82	e72	88	94	458	385	64	32	19	43
29	80	99	e83	e72	91	105	642	319	56	30	20	42
30	80	e90	e81	e72	---	109	774	300	57	26	20	41
31	80	---	e82	e72	---	117	---	281	---	24	22	---
TOTAL	2613	3238	2776	2382	2220	2834	7179	21486	3070	1428	648	901
MEAN	84.3	108	89.5	76.8	76.6	91.4	239	693	102	46.1	20.9	30.0
MAX	112	133	109	84	91	117	774	908	265	74	26	43
MIN	63	84	78	70	66	76	115	281	42	24	17	23
AC-FT	5180	6420	5510	4720	4400	5620	14240	42620	6090	2830	1290	1790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1992, BY WATER YEAR (WY)

MEAN	87.3	98.9	93.6	89.0	94.6	115	309	1015	935	252	97.8	80.6
MAX	191	170	156	135	228	311	824	1530	2026	856	263	203
(WY)	1983	1973	1956	1971	1962	1986	1962	1956	1957	1965	1965	1983
MIN	43.7	59.0	55.4	54.7	55.5	65.4	113	131	102	25.3	20.9	27.2
(WY)	1955	1977	1977	1977	1977	1977	1961	1977	1992	1961	1992	1960

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1954 - 1992	
ANNUAL TOTAL	75987		50775			
ANNUAL MEAN	208		139		273	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2110	May 27	908	May 20	3420	Jun 4 1957
LOWEST DAILY MEAN	39	Jul 31	17	Aug 21	12	Aug 21 1960
ANNUAL SEVEN-DAY MINIMUM	48	Jul 27	19	Aug 19	14	Jul 25 1961
ANNUAL RUNOFF (AC-FT)	150700		100700		197500	
10 PERCENT EXCEEDS	487		255		796	
50 PERCENT EXCEEDS	88		82		106	
90 PERCENT EXCEEDS	63		26		57	

e Estimated

10155100 PROVO RIVER BELOW JORDANELLE DAM, NEAR HEBER, UT

LOCATION.--Lat 40°35'42", long 111°25'41", in NW¼NE¼NW¼ sec. 6, T. 3 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on left bank 2,000 ft downstream from Jordanelle Dam and 5.5 mi north of Heber City.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--October 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 5,860 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

COOPERATION.--Gage-height record Oct. 1 to Nov. 21 provided by Bureau of Reclamation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 796 ft³/s May 20, gage height 2.76 ft; minimum daily discharge, 27 ft³/s Aug. 13.

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	120	79	93	97	88	113	128	727	243	77	39	42
2	117	76	87	85	88	111	127	677	209	84	40	45
3	112	65	101	100	85	110	140	603	172	81	41	39
4	107	85	108	104	86	104	159	606	165	72	41	36
5	102	91	112	99	81	109	177	641	156	70	41	45
6	102	105	118	101	83	102	177	677	105	69	39	45
7	96	122	126	100	87	110	173	652	98	71	39	44
8	98	100	116	95	90	107	173	662	97	75	38	43
9	98	98	101	96	91	102	174	736	86	69	40	40
10	94	102	100	104	93	96	184	635	78	64	47	37
11	89	98	102	97	94	97	194	544	79	64	47	35
12	87	94	98	94	97	100	223	497	82	86	32	39
13	83	96	103	88	94	104	228	557	100	93	27	45
14	79	112	91	95	95	107	216	675	98	78	28	44
15	77	112	97	92	97	112	224	670	119	73	34	43
16	72	110	100	90	97	113	199	643	111	64	39	44
17	68	105	97	93	96	112	183	621	110	59	39	43
18	67	127	101	87	87	105	211	568	101	60	38	42
19	67	114	104	81	93	102	175	572	88	63	37	40
20	68	83	97	84	103	99	151	720	79	60	36	34
21	65	e100	88	88	113	110	145	732	74	55	34	58
22	67	e130	91	87	118	106	172	660	68	49	34	63
23	85	e110	96	90	116	109	160	584	62	48	36	52
24	77	e125	96	91	105	111	138	521	66	48	37	52
25	68	e140	93	93	115	106	140	491	74	50	37	50
26	72	e135	107	92	105	107	160	400	77	52	36	53
27	91	129	107	90	104	116	219	377	87	50	36	58
28	83	119	97	90	110	113	350	332	85	48	36	65
29	76	106	102	89	116	122	510	282	76	47	35	55
30	72	98	97	88	---	126	623	262	75	40	36	52
31	58	---	101	85	---	131	---	247	---	37	38	---
TOTAL	2617	3166	3127	2865	2827	3372	6233	17571	3120	1956	1157	1383
MEAN	84.4	106	101	92.4	97.5	109	208	567	104	63.1	37.3	46.1
MAX	120	140	126	104	118	131	623	736	243	93	47	65
MIN	58	65	87	81	81	96	127	247	62	37	27	34
AC-FT	5190	6280	6200	5680	5610	6690	12360	34850	6190	3880	2290	2740

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

MEAN	84.4	106	101	92.4	97.5	109	208	567	104	63.1	37.3	46.1
MAX	84.4	106	101	92.4	97.5	109	208	567	104	63.1	37.3	46.1
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992
MIN	84.4	106	101	92.4	97.5	109	208	567	104	63.1	37.3	46.1
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS FOR 1992 WATER YEAR

ANNUAL TOTAL	49394	
ANNUAL MEAN	135	
HIGHEST DAILY MEAN	736	May 9
LOWEST DAILY MEAN	27	Aug 13
ANNUAL SEVEN-DAY MINIMUM	34	Aug 12
ANNUAL RUNOFF (AC-FT)	97970	
10 PERCENT EXCEEDS	225	
50 PERCENT EXCEEDS	96	
90 PERCENT EXCEEDS	41	

e Estimated

10155500 PROVO RIVER NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'03", long 111°27'46", in NE¼NE¼SW¼ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 1,000 ft upstream from Snake Creek and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--350 mi².

PERIOD OF RECORD.--Oct. 1938 to Sept. 1950, Oct. 1991 to Sept. 1992.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above NGVD of 1929, from topographic map. Prior to Oct. 1991 at different sites and datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

COOPERATION.--Gage-height record Oct. 1 to Nov. 21 provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft³/s June 2, 1950, gage height, 4.27 ft at site and datum then is use; minimum, 13 ft³/s Oct. 24, 1940, Oct. 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 671 ft³/s May 20, gage height 3.74 ft; minimum daily discharge, 14 ft³/s Sept. 11.

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	111	106	133	131	120	140	142	521	127	27	e18	16
2	107	106	136	116	121	138	131	496	100	28	e19	e15
3	100	97	143	113	119	139	117	421	82	30	20	e15
4	92	113	159	133	120	133	93	416	68	28	22	17
5	92	118	163	131	112	136	114	447	59	29	20	16
6	92	122	165	129	113	129	124	489	47	25	19	16
7	84	152	174	132	119	135	110	477	42	24	e18	16
8	87	140	172	130	125	134	94	488	36	24	e18	16
9	86	134	152	118	125	129	84	582	31	24	19	e15
10	86	138	147	116	125	120	88	500	30	27	20	e15
11	82	130	149	130	134	119	87	407	30	28	21	e14
12	78	122	142	126	134	123	98	352	31	28	21	e15
13	76	122	146	118	140	128	115	392	30	26	18	17
14	72	148	130	122	156	131	103	515	30	24	e16	16
15	69	174	135	127	145	133	93	507	37	21	e17	16
16	66	165	137	122	139	135	84	479	37	e20	18	16
17	61	156	133	124	135	135	76	456	39	e20	18	15
18	60	181	140	115	124	131	96	409	35	e21	18	15
19	61	174	145	107	122	125	82	411	32	22	19	15
20	64	154	138	110	139	120	58	571	32	21	20	16
21	66	e190	125	114	162	126	39	645	29	e20	18	16
22	66	e175	125	116	165	125	49	588	29	e20	e17	17
23	99	152	131	120	160	130	55	547	28	21	e17	17
24	95	167	132	121	139	132	47	460	28	22	18	17
25	84	196	126	120	147	124	44	388	29	23	17	17
26	82	191	122	122	137	124	48	296	27	24	17	17
27	111	185	120	118	132	138	71	269	28	24	19	17
28	107	182	127	119	135	128	156	233	26	21	20	26
29	102	167	134	118	143	135	306	190	25	20	17	26
30	104	154	128	118	---	140	423	160	27	e19	17	22
31	95	---	133	118	---	147	---	139	---	e17	17	---
TOTAL	2637	4511	4342	3754	3887	4062	3227	13251	1231	728	573	504
MEAN	85.1	150	140	121	134	131	108	427	41.0	23.5	18.5	16.8
MAX	111	196	174	133	165	147	423	645	127	30	22	26
MIN	60	97	120	107	112	119	39	139	25	17	16	14
AC-FT	5230	8950	8610	7450	7710	8060	6400	26280	2440	1440	1140	1000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

MEAN	58.8	109	110	110	117	150	301	617	490	87.6	40.6	41.7
MAX	125	150	140	127	140	203	710	1020	983	171	65.3	74.3
(WY)	1950	1992	1992	1950	1950	1939	1946	1947	1944	1944	1950	1947
MIN	21.4	60.5	80.1	93.4	98.8	112	87.0	314	41.0	23.5	18.5	16.8
(WY)	1941	1940	1940	1941	1944	1940	1940	1940	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1939 - 1992	
ANNUAL TOTAL	42707			
ANNUAL MEAN	117		186	
HIGHEST ANNUAL MEAN			273	1947
LOWEST ANNUAL MEAN			91.3	1940
HIGHEST DAILY MEAN	645	May 21	1570	Jun 2 1950
LOWEST DAILY MEAN	14	Sep 11	14	Sep 11 1992
ANNUAL SEVEN-DAY MINIMUM	15	Sep 6	15	Sep 6 1992
ANNUAL RUNOFF (AC-FT)	84710		134700	
10 PERCENT EXCEEDS	181		478	
50 PERCENT EXCEEDS	114		107	
90 PERCENT EXCEEDS	17		32	

e Estimated

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT

LOCATION.--Lat 40°24'12", long 111°31'44", in NE¼NE¼NE¼ sec. 7, T. 5 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 200 ft upstream from Deer Creek, 1,000 ft downstream from Deer Creek Dam, and 4.1 mi northeast of Vivian Park.

DRAINAGE AREA.--547 mi².

PERIOD OF RECORD.--May 1953 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-81-1: 1980.

GAGE.--Water-stage recorder. Elevation of gage is 5,270 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Deer Creek Reservoir and by small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow also affected by irrigation diversions above station and water diverted to Provo River by Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Information is available for these stations from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,260 ft³/s June 3, 1983, gage height, 9.11 ft; no flow Feb. 2, 3, 1957, Nov. 12, 19, 1961, when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 466 ft³/s Aug. 1, gage height 3.89 ft; minimum daily, 72 ft³/s Oct. 23.

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	e290	81	84	85	81	79	79	288	319	285	451	180
2	e290	82	85	85	80	79	80	291	330	264	438	144
3	295	82	85	85	80	78	77	292	356	273	420	137
4	292	81	85	85	81	79	78	281	364	274	409	136
5	281	81	83	84	80	79	81	302	361	303	409	135
6	279	81	83	83	79	79	80	335	369	346	409	131
7	278	81	83	83	79	79	78	345	336	343	405	127
8	275	80	85	83	79	79	77	341	238	340	397	111
9	274	79	86	83	79	79	86	316	306	318	385	113
10	274	78	86	85	81	79	80	297	406	310	401	155
11	284	78	86	85	81	79	84	276	410	307	432	155
12	294	79	86	84	80	80	86	271	381	298	430	145
13	277	79	85	83	80	79	86	264	386	239	401	139
14	270	79	87	82	79	78	151	244	391	262	385	139
15	268	79	87	82	79	78	178	243	341	258	409	159
16	264	80	85	81	79	78	188	243	307	236	407	155
17	233	79	85	81	78	79	168	280	276	317	386	144
18	202	79	84	81	78	78	128	309	265	351	369	145
19	189	80	83	82	78	75	128	312	280	359	362	153
20	180	81	83	82	80	76	128	297	336	358	367	151
21	116	81	83	82	80	77	136	273	377	361	376	154
22	89	81	84	82	79	75	152	244	373	345	365	151
23	72	81	84	82	79	77	164	263	376	313	354	154
24	74	81	82	83	79	76	165	275	361	311	330	142
25	77	81	83	83	79	77	167	277	351	334	324	103
26	78	81	84	84	79	78	171	290	345	351	324	103
27	79	82	85	85	79	77	194	306	345	361	324	106
28	78	82	85	85	79	79	245	307	339	362	317	105
29	79	83	85	83	79	78	271	314	361	369	305	121
30	81	83	85	82	---	78	286	319	346	391	305	125
31	80	---	85	82	---	78	---	313	---	434	289	---
TOTAL	6192	2415	2621	2577	2303	2419	4072	9008	10332	9973	11685	4118
MEAN	200	80.5	84.5	83.1	79.4	78.0	136	291	344	322	377	137
MAX	295	83	87	85	81	80	286	345	410	434	451	180
MIN	72	78	82	81	78	75	77	243	238	236	289	103
AC-FT	12280	4790	5200	5110	4570	4800	8080	17870	20490	19780	23180	8170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1992, BY WATER YEAR (WY)

MEAN	210	192	234	211	217	252	331	599	830	500	418	335
MAX	490	509	508	418	681	1146	1202	1200	1613	927	575	581
(WY)	1984	1983	1983	1984	1986	1986	1986	1984	1983	1965	1986	1986
MIN	75.6	.80	70.5	57.3	53.1	42.8	75.5	199	304	178	120	75.6
(WY)	1962	1963	1989	1989	1981	1961	1961	1977	1977	1961	1961	1961

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1954 - 1992	
ANNUAL TOTAL	92147		67715			
ANNUAL MEAN	252		185		361	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	1410	Jun 5	451	Aug 1	2240	Jun 2 1983
LOWEST DAILY MEAN	72	Oct 23	72	Oct 23	.00	Feb 2 1957
ANNUAL SEVEN-DAY MINIMUM	77	Oct 23	76	Mar 19	.40	Dec 1 1962
ANNUAL RUNOFF (AC-FT)	182800		134300		261600	
10 PERCENT EXCEEDS	474		361		602	
50 PERCENT EXCEEDS	114		123		310	
90 PERCENT EXCEEDS	82		79		94	

e Estimated

10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE¼NW¼SE¼ sec. 3, T. 7 S., R. 2 E., Utah County, Hydrologic Unit 16020203, on left bank 1,300 ft downstream from bridge on State Highway 114, 2.1 mi west of Provo, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--673 mi².

PERIOD OF RECORD.--May 1903 to June 1905, May 1933 to September 1934, January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "at San Pedro, Los Angeles and Salt Lake Railroad bridge, near Provo" 1903-04, and as "at Rio Grande Western Railroad bridge, near Provo" 1905.

REVISED RECORDS.--WSP 1564: 1904, 1934. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,510 ft above NGVD of 1929, from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mi upstream at different datums. May 1933 to September 1934, nonrecording gage at present site at different datum. January 1937 to November 1938, water-stage recorder at site 1,000 ft upstream at different datum. November 1938 to August 1957, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow affected by Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Certain diversions for industrial use which reach Provo Bay, an arm of Utah Lake, are made above station; however, part of this flow is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,520 ft³/s May 6, 1952, gage height, 6.37 ft, datum then in use; no flow for several periods.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 232 ft³/s Oct. 27, gage height, 4.45 ft; minimum daily discharge, 0.10 ft³/s Aug. 25.

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	86	111	61	68	63	53	30	1.9	22	4.8	20	10
2	90	111	63	72	63	53	31	2.6	16	1.5	27	13
3	95	83	62	69	62	53	32	7.2	18	3.8	27	16
4	95	75	59	66	62	55	28	4.8	23	3.0	17	19
5	99	74	67	65	60	54	28	8.2	20	6.9	17	24
6	99	77	82	66	56	52	30	20	16	11	19	15
7	114	75	84	65	56	54	20	18	19	7.8	19	13
8	126	76	88	61	56	58	22	23	20	9.3	15	5.5
9	131	71	87	61	58	55	22	36	33	5.6	13	7.4
10	139	68	87	61	57	42	26	31	25	4.1	15	4.0
11	133	65	85	62	64	28	27	17	31	3.8	21	3.8
12	129	77	83	60	71	27	31	11	14	19	18	8.8
13	126	69	82	60	64	27	32	14	12	9.9	7.1	5.0
14	133	79	83	66	65	25	39	5.6	24	6.7	1.5	3.2
15	147	73	83	70	59	24	39	4.2	58	2.4	4.0	2.1
16	171	71	83	66	64	73	37	5.3	53	6.9	9.7	11
17	155	75	84	59	59	112	37	7.0	46	2.3	3.5	11
18	122	102	87	58	60	117	52	7.2	32	5.0	.33	8.9
19	119	78	88	e56	67	116	33	6.6	15	9.1	.23	14
20	117	77	85	e55	60	116	28	15	17	8.1	.18	23
21	134	76	85	e55	58	117	15	42	28	4.1	1.2	17
22	125	74	85	e58	68	117	9.6	34	23	2.8	.94	15
23	115	70	85	e60	63	120	10	41	17	3.3	.23	12
24	102	71	84	62	62	127	33	46	17	.16	.35	17
25	108	68	84	62	63	121	21	33	15	.18	.10	16
26	109	61	78	62	61	114	20	26	6.9	2.9	1.4	13
27	154	58	62	64	61	114	18	37	7.9	2.2	2.0	10
28	125	61	61	63	57	93	3.3	31	7.5	4.9	12	9.2
29	122	62	61	63	53	68	.78	27	14	8.1	13	9.3
30	122	64	65	63	---	60	.88	31	16	10	11	7.7
31	111	---	69	64	---	31	---	28	---	20	19	---
TOTAL	3753	2252	2402	1942	1772	2276	755.56	621.6	666.3	189.64	315.76	343.9
MEAN	121	75.1	77.5	62.6	61.1	73.4	25.2	20.1	22.2	6.12	10.2	11.5
MAX	171	111	88	72	71	127	52	46	58	20	27	24
MIN	86	58	59	55	53	24	.78	1.9	6.9	.16	.10	2.1
AC-FT	7440	4470	4760	3850	3510	4510	1500	1230	1320	376	626	682

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

MEAN	143	219	269	251	257	281	315	309	356	45.8	20.2	46.0
MAX	512	585	574	513	818	1257	1345	1396	1571	390	210	278
(WY)	1984	1983	1983	1984	1986	1986	1986	1952	1983	1965	1983	1986
MIN	10.9	25.6	42.0	24.7	35.5	40.9	24.3	2.22	2.33	.68	1.12	1.56
(WY)	1961	1963	1989	1989	1989	1961	1961	1961	1977	1946	1960	1960

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	39147		17289.76			
ANNUAL MEAN	107		47.2		209	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	1370	Jun 5	171	Oct 16	2420	May 6 1952
LOWEST DAILY MEAN	10	Aug 18	.10	Aug 25	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	15	Aug 3	.46	Aug 19	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	77650		34290		151200	
10 PERCENT EXCEEDS	130		108		416	
50 PERCENT EXCEEDS	74		41		157	
90 PERCENT EXCEEDS	23		4.2		5.6	

e Estimated

10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT

LOCATION.--Lat 40°26'52", long 111°40'53", in $SE^1/_4NW^1/_4NE^1/_4$ sec. 26, T. 4 S., R. 2 E., Utah County, Hydrologic Unit 16020201, on left bank 600 ft downstream from Rock Creek, 1,000 ft upstream from intake for upper powerplant of Utah Power & Light Co., 4.0 mi upstream from mouth of canyon, and 6.7 mi northeast of American Fork.

DRAINAGE AREA.--51.1 mi^2.

PERIOD OF RECORD.--January 1927 to current year. Monthly discharge only January 1927 to September 1945, published in WSP 1314.

REVISED RECORDS.--WSP 1634: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above NGVD of 1929, from topographic map. Prior to Sept. 8, 1965, at same site at different datum. Sept. 8, 1965 to Nov. 20, 1967, at site 300 ft upstream.

REMARKS.--Records fair. Flow regulated by Silver Lake Flat Reservoir (constructed 1971) and Tibble Reservoir; total capacity, 1,260 acre-ft.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--65 years, 55.3 ft^3/s, 40,060 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred July 30, 1953, gage height, 9.20 ft, from floodmark; minimum, 1.1 ft^3/s Dec. 20, 1976 (result of freezeup).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 113 ft^3/s May 19, gage height, 6.59 ft; minimum daily, 14 ft^3/s Sept. 23, 30.

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	24	21	e18	19	17	18	23	57	58	39	22	20
2	24	21	18	18	17	18	23	53	62	38	22	19
3	24	19	20	19	17	19	25	54	60	39	21	19
4	24	21	22	20	17	19	27	57	59	38	21	20
5	24	21	23	19	17	18	31	65	57	38	21	20
6	24	27	23	20	18	18	32	69	55	37	22	17
7	24	25	23	20	18	18	30	72	53	37	21	18
8	24	22	23	20	18	19	31	73	52	36	22	17
9	24	21	22	19	18	19	32	80	51	35	19	16
10	24	22	22	19	18	19	34	76	58	35	19	17
11	24	22	22	19	19	19	36	67	50	35	18	17
12	24	22	21	19	18	19	39	63	49	39	18	17
13	25	22	20	18	19	20	40	68	48	37	18	17
14	24	22	19	19	18	21	39	78	48	33	17	16
15	24	22	20	19	18	21	39	82	50	32	19	15
16	24	22	20	18	18	21	39	77	48	31	22	16
17	23	22	20	18	16	21	39	77	45	29	20	17
18	23	22	21	18	15	22	41	79	44	29	18	16
19	23	21	21	17	16	21	37	92	42	28	18	16
20	23	22	21	17	17	18	36	83	41	28	18	16
21	22	22	19	17	17	20	35	81	40	27	18	16
22	22	22	20	18	17	20	37	75	41	26	19	15
23	24	17	20	18	17	20	35	67	41	26	20	14
24	23	18	20	17	16	20	33	66	40	25	19	16
25	23	21	20	17	17	20	34	69	40	24	19	15
26	23	22	20	17	16	20	36	75	39	23	19	15
27	25	22	19	17	17	22	41	77	39	23	19	15
28	23	23	19	17	17	20	49	74	38	23	19	15
29	22	23	19	17	18	21	57	67	38	22	19	15
30	22	19	19	17	---	22	59	61	40	21	19	14
31	19	---	19	17	---	23	---	59	---	22	20	---
TOTAL	725	648	633	564	501	616	1089	2193	1426	955	606	496
MEAN	23.4	21.6	20.4	18.2	17.3	19.9	36.3	70.7	47.5	30.8	19.5	16.5
MAX	25	27	23	20	19	23	59	92	62	39	22	20
MIN	19	17	18	17	15	18	23	53	38	21	17	14
AC-FT	1440	1290	1260	1120	994	1220	2160	4350	2830	1890	1200	984

e Estimated

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'24", long 112°06'03", in SW¼SE¼SE¼ sec. 6, T. 5 S., R. 2 W., Utah County, on left bank 70 ft upstream from road bridge, 160 ft downstream from Left Fork, 750 ft upstream from a right bank diversion, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi².

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft³/s Aug. 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.02 ft³/s Jan. 17, 22, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 5.0 ft³/s May 20; minimum daily, 0.05 ft³/s Sept. 23.

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	.68	.50	.59	.56	.31	e.39	.36	3.7	2.6	1.2	e.30	.22
2	.61	.38	.68	.51	.29	e.37	.38	3.8	2.3	1.2	e.30	.17
3	.54	.56	.65	.57	.26	e.37	.37	3.5	2.0	1.0	e.32	.16
4	.50	.63	.64	.58	e.30	e.37	.42	3.7	1.9	.90	e.35	.98
5	.52	.65	.64	.56	e.28	.28	.42	3.7	1.8	.83	e.30	.62
6	.47	1.5	.61	.58	e.28	.36	.42	3.6	1.8	.72	e.25	.54
7	.40	1.2	.62	.59	e.33	.36	.43	4.0	2.0	.80	e.25	.52
8	.33	.87	.61	.55	e.33	.30	.46	4.3	2.0	.83	e.27	.46
9	.31	.92	.60	.48	e.33	.29	.47	4.6	1.8	.77	e.27	.42
10	.31	1.0	.61	.51	e.37	.27	.50	4.4	2.0	.74	e.25	.38
11	.33	.97	.61	.55	e.37	.28	.50	3.9	1.9	.77	e.25	.34
12	.32	.98	.60	.50	e.37	.28	.51	3.6	1.7	1.1	e.25	.25
13	.30	1.0	.59	.47	e.37	.30	.53	3.9	1.8	.97	e.25	.17
14	.30	1.2	.62	.51	e.40	.35	.53	4.0	1.9	.85	e.25	.15
15	.30	.99	.60	.47	e.39	.34	.50	4.0	2.1	.86	e.25	.12
16	.29	.95	.60	.45	e.39	.38	.50	3.8	2.1	.69	e.26	.11
17	.29	.93	.59	.43	e.36	.34	.51	3.7	1.8	.57	e.27	.12
18	.28	1.0	.60	.39	e.39	.28	.76	4.0	e1.6	.50	e.27	.08
19	.27	.91	.61	.40	e.41	.27	.89	4.7	e1.6	.46	e.27	.07
20	.25	.88	.57	.40	e.39	.30	.95	5.0	e1.4	.45	e.27	.13
21	.27	.92	.58	.40	e.39	.31	.99	4.8	e1.2	e.48	e.26	.06
22	.26	.75	.61	.43	e.35	.33	1.2	3.7	e1.2	e.45	.24	.30
23	.93	.72	.61	.40	e.38	.43	1.3	3.6	e1.0	e.40	.25	.05
24	.39	.77	.60	.37	e.37	.37	1.3	3.8	e1.0	e.40	.26	.10
25	.34	.76	.60	.35	e.44	.35	1.4	3.6	e1.0	e.43	.25	.09
26	.35	.72	.58	.34	e.41	.38	1.4	3.6	e1.2	e.39	.24	.12
27	2.0	.67	.57	.32	e.37	.40	1.5	3.6	1.2	e.35	.21	.12
28	.67	.62	.57	.32	e.37	.38	1.7	3.5	1.0	e.35	.19	.12
29	.59	.66	.56	.32	e.38	.38	4.3	3.1	.94	e.35	.16	.11
30	.53	.55	.57	.30	---	.32	4.0	3.0	1.0	e.32	.19	.08
31	.51	---	.56	.31	---	.31	---	2.6	---	e.30	.23	---
TOTAL	14.44	25.16	18.65	13.92	10.38	10.44	29.50	118.8	48.84	20.43	7.93	7.16
MEAN	.47	.84	.60	.45	.36	.34	.98	3.83	1.63	.66	.26	.24
MAX	2.0	1.5	.68	.59	.44	.43	4.3	5.0	2.6	1.2	.35	.98
MIN	.25	.38	.56	.30	.26	.27	.36	2.6	.94	.30	.16	.05
AC-FT	29	50	37	28	21	21	59	236	97	41	16	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1992, BY WATER YEAR (WY)

MEAN	1.25	1.01	.70	.57	.53	.83	4.31	13.3	11.1	4.70	2.49	1.53
MAX	3.67	3.00	1.48	1.40	1.56	2.69	17.4	44.2	27.6	21.2	8.90	4.47
(WY)	1987	1987	1974	1987	1987	1972	1969	1973	1975	1975	1975	1975
MIN	.19	.17	.11	.062	.057	.11	.11	3.05	1.63	.66	.26	.21
(WY)	1991	1991	1991	1991	1991	1990	1991	1990	1992	1992	1992	1989

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1966 - 1992	
ANNUAL TOTAL	1096.30		325.65			
ANNUAL MEAN	3.00		.89		3.54	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					.89	1992
HIGHEST DAILY MEAN	26	May 25	5.0	May 20	85	May 20 1973
LOWEST DAILY MEAN	.04	Feb 15	.05	Sep 23	.04	Feb 15 1991
ANNUAL SEVEN-DAY MINIMUM	.05	Jan 17	.10	Sep 15	.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	2170		646		2560	
10 PERCENT EXCEEDS	8.5		2.1		10	
50 PERCENT EXCEEDS	.60		.50		1.1	
90 PERCENT EXCEEDS	.06		.25		.20	

e Estimated

10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°37'26", long 111°45'05", in NW¼SE¼SW¼ sec. 20, T. 2 S., R. 2 E., Salt Lake County, Hydrologic Unit 16120204 on left bank at Stairs plant, 14 mi southeast of Salt Lake City.

DRAINAGE AREA.--49.2 mi².

PERIOD OF RECORD.--January 1925 to current year. Prior to 1986, not published, records available from Utah Power & Light Co.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years, 23.1 ft³/s, 16,740 acre-ft/yr.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 ft³/s July 1, 1954; no flow many days.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 48 ft³/s May 26-29, June 6; minimum daily, 0.99 ft³/s Aug. 12.

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	21	20	17	18	16	20	23	37	46	28	22	17
2	20	20	22	16	16	21	23	42	45	27	1.3	16
3	20	17	23	17	16	21	25	42	47	25	1.3	15
4	18	21	22	16	16	21	26	42	47	24	6.8	16
5	17	21	22	17	16	22	26	41	47	24	14	19
6	17	29	21	17	16	21	25	40	48	23	16	17
7	17	34	21	17	16	21	26	40	47	23	16	16
8	18	29	21	17	16	21	29	40	47	25	14	15
9	18	30	21	16	16	20	30	38	46	25	12	22
10	18	28	21	15	16	20	30	37	43	23	14	25
11	16	27	21	16	16	19	31	37	45	24	10	25
12	17	26	21	16	16	20	33	36	44	24	.99	27
13	18	24	21	14	16	20	41	37	41	27	5.9	28
14	18	24	18	17	16	21	46	36	39	27	22	30
15	18	22	21	17	16	22	47	46	40	26	23	30
16	18	16	18	17	17	22	47	43	41	24	18	31
17	15	14	20	16	17	22	42	45	40	24	12	28
18	17	15	20	15	16	21	33	44	37	24	14	20
19	18	25	20	16	16	21	37	44	36	24	15	26
20	18	24	20	16	17	20	43	47	36	23	13	20
21	16	23	19	16	18	20	43	47	37	23	16	17
22	17	24	17	16	19	20	46	46	36	22	15	19
23	18	23	18	16	18	19	45	47	35	21	17	19
24	17	19	18	16	19	21	44	46	34	22	17	22
25	19	23	18	16	18	20	44	46	33	21	16	18
26	18	23	18	16	18	20	44	48	31	20	16	16
27	17	23	19	16	19	21	42	48	30	22	16	18
28	18	17	19	15	19	22	40	48	28	23	15	22
29	21	19	19	14	20	22	40	48	26	19	15	23
30	19	21	19	16	---	22	36	47	28	11	15	20
31	18	---	19	16	---	23	---	47	---	19	16	---
TOTAL	555	681	614	499	491	646	1087	1332	1180	717	425.29	637
MEAN	17.9	22.7	19.8	16.1	16.9	20.8	36.2	43.0	39.3	23.1	13.7	21.2
MAX	21	34	23	18	20	23	47	48	48	28	23	31
MIN	15	14	17	14	16	19	23	36	26	11	.99	15
AC-FT	1100	1350	1220	990	974	1280	2160	2640	2340	1420	844	1260

CAL YR 1991 TOTAL 9952.7 MEAN 27.3 MAX 50 MIN 8.6 AC-FT 19740
WTR YR 1992 TOTAL 8864.29 MEAN 24.2 MAX 48 MIN .99 AC-FT 17580

10170500 SURPLUS CANAL AT SALT LAKE CITY, UT

LOCATION.--Lat 40°43'37", long 111°55'33", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, near right bank on upstream side of diversion dam at head of canal, and 250 ft downstream from highway bridge over Jordan River on 2100 South Street.

PERIOD OF RECORD.--December 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,223.93 ft above NGVD of 1929. Prior to Oct. 22, 1952, at site 350 ft downstream, and Oct. 22, 1952 to Sept. 30, 1966, at site 400 ft downstream at different datum, Sept. 30, 1966 to Oct. 1, 1989 at datum 10.0 ft lower.

REMARKS.--Records fair. Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area (see station 10170490 for records of combined flow of Jordan River and Surplus Canal). Several diversions for irrigation and waterfowl ponds below station.

AVERAGE DISCHARGE.--49 years, 371 ft^3/s, 268,900 acre-ft/year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,410 ft^3/s June 1, 1984, gage height, 8.91 ft, datum then in use. No flow Jan. 21 to Feb. 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,400 ft^3/s Oct. 27, gage height, 13.15 ft; minimum daily, 111 ft^3/s Aug. 25.

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	206	233	164	140	135	142	148	151	273	162	129	161
2	203	230	169	136	132	136	138	161	206	176	146	137
3	204	174	156	133	131	137	129	144	152	163	160	125
4	200	172	152	139	134	138	135	155	157	147	147	215
5	212	156	145	138	136	135	127	178	156	145	142	168
6	205	182	147	137	131	131	133	183	183	149	145	158
7	205	177	154	145	127	148	134	155	209	143	166	150
8	199	161	192	141	130	144	132	167	218	183	167	141
9	194	231	166	136	131	140	131	449	221	192	172	137
10	206	231	161	132	133	135	129	419	171	169	167	127
11	218	171	159	137	138	139	131	296	189	158	153	138
12	207	158	153	134	184	134	125	205	170	367	149	136
13	173	158	153	132	167	141	126	192	166	296	147	133
14	173	289	157	133	170	137	124	298	197	206	138	135
15	175	249	153	134	157	136	130	259	318	199	139	130
16	152	203	153	135	194	161	135	267	356	180	143	124
17	143	200	156	136	196	173	137	249	340	166	153	135
18	139	319	155	136	179	158	245	233	250	159	137	115
19	140	247	162	133	166	154	171	200	227	178	138	123
20	140	209	156	134	164	149	146	250	213	179	147	135
21	139	220	152	133	165	148	139	430	213	167	139	133
22	136	220	149	130	245	145	242	426	221	165	149	133
23	277	215	147	131	190	147	200	322	186	153	145	128
24	157	197	150	130	166	191	169	294	179	150	128	152
25	145	186	142	137	150	155	160	296	174	168	111	137
26	141	187	142	136	140	153	143	386	170	164	118	135
27	920	182	142	135	141	152	137	526	194	160	126	134
28	378	224	143	136	139	153	155	430	186	151	128	141
29	232	201	143	131	145	151	141	337	187	147	128	134
30	232	179	142	131	---	149	157	303	198	136	152	126
31	226	---	144	131	---	149	---	272	---	128	189	---
TOTAL	6677	6161	4759	4182	4516	4561	4449	8633	6280	5406	4498	4176
MEAN	215	205	154	135	156	147	148	278	209	174	145	139
MAX	920	319	192	145	245	191	245	526	356	367	189	215
MIN	136	156	142	130	127	131	124	144	152	128	111	115
AC-FT	13240	12220	9440	8290	8960	9050	8820	17120	12460	10720	8920	8280

CAL YR 1991 TOTAL 85404 MEAN 234 MAX 1120 MIN 102 AC-FT 169400
WTR YR 1992 TOTAL 64298 MEAN 176 MAX 920 MIN 111 AC-FT 127500

10171000 JORDAN RIVER AT SALT LAKE CITY, UT

LOCATION.--Lat 40°44'01", long 111°55'21", in SW¼SE¼NW¼ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at 1700 South Street and about 1000 West, Salt Lake City, 4,000 ft downstream from diversion structure at head of Surplus Canal, and 1.7 mi downstream from Mill Creek.

DRAINAGE AREA.--3,438 mi² includes 255 mi² closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1942 to current year.

REVISED RECORDS.--WDR UT-88-1: 1987 (combined flow).

GAGE.--Water-stage recorder. Datum of gage is 4,220.08 ft above NGVD of 1929. Prior to July 1, 1976 at site 3,200 ft upstream at same datum.

REMARKS.--Records good. Flow completely regulated since reconstruction in May 1952 of Surplus Canal diversion dam 4,000 ft upstream. Flow affected by regulation at Utah Lake, Deer Creek Reservoir, other storage and regulation, and importation of water from other basins. Many diversions above station for irrigation, industrial, and municipal water supplies. For records of Surplus Canal see station 10170500. For records of combined flow, see following page.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 449 ft³/s Aug. 20, 1986, gage height, 4.41 ft; maximum gage height, 5.75 ft June 26, 1952; no flow May 10, 24, 1952. May 21, 22, 1962, Sept. 21, 1963, May 14 to June 1, 1964, and Sept. 6, 7, 1965 entire flow diverted to Surplus Canal. Maximum daily combined discharge (Jordan River and Surplus Canal), 4,510 ft³/s June 1, 1984; minimum daily, 89 ft³/s June 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 379 ft³/s Oct. 27, gage height, 4.13 ft; minimum daily discharge, 91 ft³/s June 11. Maximum daily combined discharge during year (Jordan River and Surplus Canal), 1,210 ft³/s Oct. 27; minimum daily, 225 ft³/s Aug. 25.

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	e172	166	146	139	134	150	140	130	106	126	161	125
2	e164	165	148	138	135	149	138	131	104	146	164	118
3	165	153	147	137	134	149	134	127	112	147	166	117
4	164	153	149	139	135	149	136	128	123	143	161	125
5	166	151	148	139	136	148	134	130	120	141	165	113
6	164	159	148	139	140	147	135	139	120	137	171	110
7	164	160	150	141	143	151	135	151	125	136	150	109
8	162	154	159	139	144	150	135	152	127	144	133	108
9	166	166	151	137	145	149	134	185	129	137	132	107
10	168	159	148	136	146	148	133	176	100	129	132	105
11	172	145	147	137	147	148	132	153	91	125	131	106
12	180	141	144	136	156	147	130	131	125	174	131	105
13	204	140	145	136	153	146	129	127	124	210	130	104
14	202	164	144	135	153	148	128	140	129	205	128	105
15	203	154	142	135	149	147	129	134	139	200	125	104
16	198	145	142	135	159	152	131	130	138	187	125	103
17	173	143	144	135	156	157	135	127	137	180	126	105
18	155	165	144	135	151	150	157	124	132	173	123	105
19	154	152	146	134	148	148	139	123	125	168	121	104
20	152	143	144	134	149	146	134	133	119	167	122	105
21	151	146	142	133	150	145	134	152	118	161	120	105
22	150	146	141	132	173	145	149	148	125	159	122	106
23	188	145	141	132	151	144	141	134	121	159	120	105
24	164	143	141	133	145	156	135	127	118	162	116	106
25	160	141	140	134	147	145	134	123	122	165	114	104
26	161	141	140	134	150	143	130	131	122	165	114	104
27	293	149	140	134	150	142	129	140	120	165	115	103
28	183	164	139	133	150	141	132	127	116	164	116	105
29	164	158	140	134	151	142	130	117	115	162	115	108
30	172	151	140	133	---	140	133	113	113	160	119	104
31	168	---	140	133	---	140	---	108	---	160	128	---
TOTAL	5402	4562	4480	4201	4280	4562	4045	4191	3615	4957	4096	3233
MEAN	174	152	145	136	148	147	135	135	120	160	132	108
MAX	293	166	159	141	173	157	157	185	139	210	171	125
MIN	150	140	139	132	134	140	128	108	91	125	114	103
AC-FT	10710	9050	8890	8330	8490	9050	8020	8310	7170	9830	8120	6410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

MEAN	163	149	148	150	153	139	120	113	145	158	155	165
MAX	253	223	230	292	274	258	251	210	258	253	242	245
(WY)	1985	1986	1986	1985	1985	1952	1952	1989	1991	1984	1983	1985
MIN	78.7	64.9	79.1	90.4	99.4	58.3	31.3	25.5	69.9	68.3	68.3	63.5
(WY)	1964	1964	1965	1988	1958	1962	1986	1964	1975	1961	1963	1963

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	59772		51624			
ANNUAL MEAN	164		141		146	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	316	Jun 13	293	Oct 27	337	Jun 25 1952
LOWEST DAILY MEAN	66	Feb 9	91	Jun 11	.00	May 10 1952
ANNUAL SEVEN-DAY MINIMUM	73	Feb 5	104	Sep 13	.00	May 14 1964
ANNUAL RUNOFF (AC-FT)	118600		102400		106100	
10 PERCENT EXCEEDS	222		165		200	
50 PERCENT EXCEEDS	152		140		146	
90 PERCENT EXCEEDS	115		115		95	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1978, October 1980 to September 1981.
WATER TEMPERATURES: April 1975 to September 1978, October 1980 to September 1981.

INSTRUMENTATION.--Specific conductance recorder October 1974 to September 1981; temperature recorder April 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,330 microsiemens Mar. 29, 1977; minimum, 536 microsiemens June 25, 1978.
WATER TEMPERATURES: Maximum, 28.0°C Aug. 29, 30, 1975; minimum, 0.5°C Jan. 2, 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
NOV 13...	1230	143	1700	8.0	14.0	12.5	4.6	9.3	644	280	370	480
JAN 24...	0830	124	1820	8.0	4.0	7.0	4.2	7.6	655	46	60	530
MAY 01...	1140	134	1200	7.9	17.5	15.0	18	7.0	652	980	190	420
JUN 16...	1137	131	1780	8.1	18.5	17.0	35	7.2	648	100	890	470
SEP 01...	1135	123	1640	7.9	22.5	19.0	20	5.9	652	>1200	>2000	440

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV 13...	110	49	170	43	3	16	--	315	258	290	220	0.6
JAN 24...	130	51	180	42	3	13	--	388	277	300	240	1.4
MAY 01...	95	43	150	43	3	12	0	286	234	230	210	0.6
JUN 16...	100	54	180	44	4	14	0	303	248	280	240	0.6
SEP 01...	100	45	160	43	3	15	0	300	246	250	210	0.6

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV 13...	22	1070	1060	1.46	413	4.58	4.58	0.02	0.02	4.60	4.60	0.08
JAN 24...	22	1100	1150	1.50	368	3.36	3.46	0.14	0.14	3.50	3.60	1.50
MAY 01...	18	882	917	1.20	319	--	1.64	0.10	0.16	--	1.80	3.50
JUN 16...	21	1050	1060	1.43	371	3.13	3.14	0.17	0.16	3.30	3.30	1.30
SEP 01...	18	980	969	1.33	325	2.66	2.67	0.24	0.23	2.90	2.90	3.50

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV 13...	0.09	0.12	0.52	0.60	5.2	23	2.40	2.20	2.10	1.50	4.6
JAN 24...	1.50	1.9	1.2	2.7	6.2	27	1.80	1.80	1.40	1.50	4.6
MAY 01...	3.40	4.4	0.50	4.0	--	--	1.90	1.80	1.50	1.50	4.6
JUN 16...	1.30	1.7	1.2	2.5	5.8	26	1.80	1.40	1.30	1.30	4.0
SEP 01...	3.70	4.8	1.7	5.2	8.1	36	1.80	1.70	1.60	1.50	4.6

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 13...	1230	10	51	<3	18	110	31
MAY 01...	1140	20	49	<3	14	88	38
JUN 16...	1137	20	64	<3	12	130	24
SEP 01...	1135	20	52	<3	15	110	39

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 13...	<10	2	<1	<1.0	980	<6
MAY 01...	<10	2	2	<1.0	870	<6
JUN 16...	10	2	1	<1.0	1100	<6
SEP 01...	<10	2	2	<1.0	920	<6

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
JAN 24...	0830	124	7.0	66	13	4.4
MAY 01...	1140	134	15.0	--	117	42
JUN 16...	1137	131	17.0	--	48	17
SEP 01...	1135	123	19.0	--	42	14

10170490 JORDAN RIVER AT SALT LAKE CITY, UT--Continued

Combined discharge, in cubic feet per second, of Jordan River and Surplus Canal

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	378	399	310	279	269	292	288	281	379	288	290	286
2	367	395	317	274	267	285	276	292	310	322	310	255
3	369	327	303	270	265	286	263	271	264	310	326	242
4	364	325	301	278	269	287	271	283	280	290	308	340
5	378	307	293	277	272	283	261	308	276	286	307	281
6	369	341	295	276	271	278	268	322	303	286	316	268
7	369	337	304	286	270	299	269	306	334	279	316	259
8	361	315	351	280	274	294	267	319	345	327	300	249
9	360	397	317	273	276	289	265	634	350	329	304	244
10	374	390	309	268	279	283	262	595	271	298	299	232
11	390	316	306	274	285	287	263	449	280	283	284	244
12	387	299	297	270	340	281	255	336	295	541	280	241
13	377	298	298	268	320	287	255	319	290	506	277	237
14	375	453	301	268	323	285	252	438	326	411	266	240
15	378	403	295	269	306	283	259	393	457	399	264	234
16	350	348	295	270	353	313	266	397	494	367	268	227
17	316	343	300	271	352	330	272	376	477	346	279	240
18	294	484	299	271	330	308	402	357	382	332	260	220
19	294	399	308	267	314	302	310	323	352	346	259	227
20	292	352	300	268	313	295	280	383	332	346	269	240
21	290	366	294	266	315	293	273	582	331	328	259	238
22	286	366	290	262	418	290	391	574	346	324	271	239
23	465	360	288	263	341	291	341	456	307	312	265	233
24	321	340	291	263	311	347	304	421	297	312	244	258
25	305	327	282	271	297	300	294	419	296	333	225	241
26	302	328	282	270	290	296	273	517	292	329	232	239
27	1210	331	282	269	291	294	266	666	314	325	241	237
28	561	388	282	269	289	294	287	557	302	315	244	246
29	396	359	283	265	296	293	271	454	302	309	243	242
30	404	330	282	264	---	289	290	416	311	296	271	230
31	394	---	284	264	---	289	---	380	---	288	317	---
TOTAL	12076	10723	9239	8383	8796	9123	8494	12824	9895	10363	8594	7409
MEAN	390	357	298	270	303	294	283	414	330	334	277	247
MAX	1210	484	351	286	418	347	402	666	494	541	326	340
MIN	286	298	282	262	265	278	252	271	264	279	225	220
AC-FT	23950	21270	18330	16630	17450	18100	16850	25440	19630	20560	17050	14700

CAL YR 1991 TOTAL 145174 MEAN 398 MAX 1400 MIN 221 AC-FT 288000
WTR YR 1992 TOTAL 115919 MEAN 317 MAX 1210 MIN 220 AC-FT 229900

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT
(Hydrologic bench mark station)

LOCATION.--Lat 40°46'48", long 111°48'19", in NE¼SE¼NW¼ sec. 35, T. 1 N., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 0.4 mi upstream from dam forming Red Butte Reservoir, and 1.7 mi northeast of Fort Douglas.

DRAINAGE AREA.--7.25 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year. Figures of monthly discharge for January 1942 to September 1963, collected by Corps of Engineers, U.S. Army, available in files of Salt Lake City District Office, Geological Survey.

GAGE.--Water-stage recorder. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 105 ft³/s May 28, 1983, maximum gage height, 3.81 ft May 17, 1984; minimum, 0.23 ft³/s Dec. 22, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 9	1130	*3.1	*0.53				

Minimum daily discharge, 0.44 ft³/s, Aug. 11, 12, Sept. 3.

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	1.0	1.2	e1.3	1.2	1.3	2.2	2.4	1.9	1.1	.91	.51	.49
2	1.0	1.2	1.4	1.2	1.3	2.3	2.4	1.9	1.1	.91	.51	.46
3	1.1	e1.2	e1.3	1.3	1.3	2.4	2.4	1.8	1.1	.82	.50	.44
4	.99	1.2	1.3	1.3	1.3	2.5	2.4	1.8	1.1	.77	.49	.63
5	1.0	1.3	1.3	1.3	e1.4	2.5	2.4	1.8	1.0	.68	.50	.54
6	1.0	1.8	e1.3	1.3	1.4	2.6	2.4	1.7	1.0	.77	.50	.51
7	1.0	1.6	1.4	1.3	1.3	2.7	2.4	1.7	1.0	.96	.50	.50
8	1.0	1.5	1.3	1.3	1.3	2.7	2.3	1.7	1.0	.95	.49	.53
9	1.0	1.7	e1.3	1.3	1.3	2.6	2.2	2.3	.97	.93	.46	.53
10	1.1	1.6	e1.3	e1.3	1.3	2.5	2.2	1.9	.95	.91	.46	.52
11	1.1	1.5	e1.3	e1.3	1.4	2.5	2.1	1.8	.93	.90	.44	.49
12	1.1	1.4	e1.3	e1.3	1.4	2.4	2.1	1.7	.91	1.1	.44	.49
13	1.1	1.4	1.2	e1.3	1.5	2.4	2.1	1.7	.91	.97	.45	.50
14	1.1	1.5	1.4	e1.3	1.5	2.4	2.0	1.6	1.0	.91	.50	.51
15	1.1	1.4	1.2	1.3	1.4	2.5	2.0	1.6	1.1	.88	.50	.48
16	1.1	1.4	1.2	1.3	1.4	2.4	2.0	1.5	1.1	.85	.67	.48
17	1.1	1.4	1.2	1.3	1.5	2.5	2.1	1.5	1.1	.83	.56	.48
18	1.1	1.5	1.2	1.2	1.5	2.4	2.3	1.4	.98	.78	.54	.49
19	1.1	1.4	1.2	1.3	1.5	2.3	2.1	1.4	.92	.78	.53	.50
20	1.1	1.4	1.2	e1.0	1.6	2.3	2.0	1.4	.90	.77	.51	.49
21	1.1	1.6	e1.3	e1.0	1.7	2.2	2.0	1.5	.89	.76	.49	.50
22	1.1	1.5	1.4	e1.1	2.0	2.2	2.4	1.5	.86	.74	.56	.50
23	1.4	e1.2	1.2	1.4	1.9	2.2	2.2	1.4	.85	.72	.56	.50
24	1.3	e1.2	1.2	1.3	1.9	2.4	2.1	1.3	.84	.68	.57	.55
25	1.2	1.3	1.2	1.3	1.9	2.3	1.9	1.3	.81	.67	.56	.56
26	1.2	1.4	1.2	1.2	1.9	2.3	1.9	1.3	.85	.65	.57	.59
27	1.6	1.4	1.3	1.3	2.0	2.3	1.9	1.2	.84	.60	.56	.59
28	1.4	1.4	e1.3	1.3	2.0	2.3	1.8	1.2	.80	.56	.50	.59
29	1.3	1.4	1.2	1.3	2.1	2.4	1.9	1.2	.78	.55	.47	.59
30	e1.4	e1.3	1.2	1.3	---	2.4	1.9	1.2	.87	.54	.48	.59
31	e1.3	---	1.2	1.3	---	2.4	---	1.1	---	.54	.52	---
TOTAL	35.49	42.3	39.3	39.2	45.3	74.5	64.3	48.3	28.56	24.39	15.90	15.62
MEAN	1.14	1.41	1.27	1.26	1.56	2.40	2.14	1.56	.95	.79	.51	.52
MAX	1.6	1.8	1.4	1.4	2.1	2.7	2.4	2.3	1.1	1.1	.67	.63
MIN	.99	1.2	1.2	1.0	1.3	2.2	1.8	1.1	.78	.54	.44	.44
AC-FT	70	84	78	78	90	148	128	96	57	48	32	31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	1.99	2.05	1.97	1.99	2.41	4.37	9.11	13.1	6.81	3.30	2.16	1.86
MAX	3.86	3.53	3.37	3.46	7.00	12.8	22.2	50.5	29.7	9.22	5.77	4.10
(WY)	1984	1984	1984	1971	1986	1983	1986	1983	1983	1983	1983	1983
MIN	.68	.93	.91	.83	1.00	1.06	1.79	1.55	.95	.60	.44	.47
(WY)	1991	1991	1964	1964	1964	1964	1990	1990	1992	1990	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	786.11		473.16			
ANNUAL MEAN	2.15		1.29		4.27	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	12	May 9	2.			
LOWEST DAILY MEAN	.67	Jan 15	.44	Aug 11	.38	Aug 9 1990
ANNUAL SEVEN-DAY MINIMUM	.87	Jan 31	.46	Aug 7	.39	Sep 10 1990
ANNUAL RUNOFF (AC-FT)	1560		939		3090	
10 PERCENT EXCEEDS	5.2		2.3		9.5	
50 PERCENT EXCEEDS	1.4		1.3		2.4	
90 PERCENT EXCEEDS	.94		.51		1.1	

e Estimated

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1964 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April 1964 to September 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV 15...	1150	1.4	660	8.5	2.5	2.5	1.6	10.8	617	K2	K2
JAN 24...	1400	1.0	690	8.4	8.5	0.5	1.7	11.7	625	K2	K5
APR 29...	1215	2.0	620	8.4	21.5	12.5	1.2	--	620	77	K33
JUN 30...	0925	0.90	630	8.4	9.0	11.0	1.3	8.5	616	450	260
JUL 27...	1230	0.60	640	8.4	29.0	15.5	0.60	8.0	625	230	44
AUG 31...	1230	0.59	650	8.5	16.0	13.0	1.2	8.2	620	84	91

DATE	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)
NOV 15...	360	99	28	14	8	0.3	1.1	3	296	248	130
JAN 24...	360	100	27	14	8	0.3	0.90	4	293	248	140
APR 29...	320	90	24	13	8	0.3	0.90	2	266	221	110
JUN 30...	320	86	26	13	8	0.3	0.90	4	246	209	120
JUL 27...	320	83	27	14	9	0.3	0.90	3	237	200	130
AUG 31...	330	89	27	14	8	0.3	1.2	19	223	214	140

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 15...	13	0.1	11	442	445	0.60	1.67	<0.01	<0.01	<0.05
JAN 24...	16	0.2	9.9	440	456	0.60	1.21	<0.01	<0.01	<0.05
APR 29...	17	0.2	11	374	399	0.51	2.02	<0.01	<0.01	<0.05
JUN 30...	12	0.1	11	360	395	0.49	0.87	<0.01	<0.01	0.08
JUL 27...	18	0.1	11	370	404	0.50	0.60	<0.01	<0.01	<0.05
AUG 31...	16	0.2	10	418	426	0.57	0.67	<0.01	<0.01	0.06

K Results based on colony count outside acceptable range (non-ideal colony count).

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV 15...	<0.05	<0.01	0.02	0.03	<0.20	0.03	0.04	0.02	0.03	0.09
JAN 24...	<0.05	0.01	<0.01	--	<0.20	0.06	0.02	0.02	0.02	0.06
APR 29...	<0.05	0.03	0.01	0.01	<0.20	0.03	0.03	0.02	0.02	0.06
JUN 30...	0.07	0.04	0.03	0.04	<0.20	0.06	0.05	0.03	0.02	0.06
JUL 27...	<0.05	0.02	<0.01	--	<0.20	<0.01	<0.01	0.02	0.01	0.03
AUG 31...	<0.05	0.01	0.02	0.03	<0.20	0.02	0.04	0.02	0.01	0.03

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 15...	1150	<10	56	<3	12	12	3
JUN 30...	0925	20	52	<3	9	7	2
JUL 27...	1230	10	51	<3	<3	8	2

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 15...	<10	<1	<1	<1.0	550	<6
JUN 30...	<10	<1	<1	<1.0	550	<6
JUL 27...	<10	<1	<1	<1.0	560	<6

DATE	TIME	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)
APR 29...	1215	5.1	<0.6	1.5	<0.6	1.1	<0.6	0.11	1.1
AUG 31...	1230	0.9	<0.6	2.0	1.0	1.5	1.0	0.15	1.3

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
JAN 24...	1400	1.0	0.5	19	16	0.04
APR 29...	1215	2.0	12.5	--	46	0.25
JUN 30...	0925	0.90	11.0	--	31	0.08
JUL 27...	1230	0.60	15.5	--	19	0.03
AUG 31...	1230	0.59	13.0	--	4	0.01

10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in NE¼SW¼SW¼ sec. 2, T. 10 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA.--25.0 mi².

PERIOD OF RECORD.--June 1958 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from AMS topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 ft³/s Aug. 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum, 0.41 ft³/s Nov. 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 27	0137	*3.0	*0.98	No other peak greater than base discharge.			

Minimum daily, 1.1 ft³/s many days during June - September.

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	1.6	1.8	e1.8	2.1	1.9	1.7	1.7	1.7	1.3	1.5	1.2	1.2
2	1.6	e1.8	e2.0	e1.9	1.7	1.8	1.6	1.7	1.3	1.4	1.1	1.2
3	1.6	e1.7	e1.9	e2.0	1.7	1.8	1.6	1.6	1.3	1.3	1.1	1.2
4	1.6	1.8	2.1	e1.9	1.7	1.8	1.6	1.6	1.3	1.2	1.1	1.3
5	1.6	1.9	2.1	e1.8	1.7	1.8	1.6	1.6	1.3	1.2	1.2	1.3
6	1.6	2.0	2.1	2.3	1.7	1.7	1.6	1.6	1.3	1.2	1.2	1.2
7	1.6	1.7	2.1	e2.2	1.8	1.7	1.6	1.6	1.3	1.3	1.2	1.2
8	1.6	1.6	2.1	e2.0	1.8	1.7	1.6	1.6	1.2	1.3	1.1	1.2
9	1.6	1.6	e2.0	e1.8	1.8	1.7	1.6	1.7	1.2	1.2	1.1	1.2
10	1.6	1.6	e2.1	e1.8	1.8	1.6	1.6	1.6	1.2	1.2	1.2	1.2
11	1.6	1.6	2.3	e1.9	1.9	1.6	1.6	1.6	1.2	1.2	1.1	1.2
12	1.6	1.6	2.3	e1.8	1.8	1.6	1.6	1.6	1.2	1.4	1.1	1.2
13	1.6	1.6	2.3	e1.8	1.9	1.6	1.6	1.6	1.2	1.3	1.1	1.1
14	1.5	1.7	e2.3	e2.0	1.8	1.6	1.6	1.6	1.3	1.2	1.2	1.1
15	1.5	1.6	2.3	e1.9	1.8	1.6	1.6	1.5	1.3	1.2	1.2	1.1
16	1.5	1.6	2.3	e1.9	1.8	1.6	1.7	1.5	1.4	1.2	1.2	1.1
17	1.5	1.6	e2.2	e1.8	1.8	1.6	1.7	1.5	1.3	1.2	1.2	1.1
18	1.5	1.7	2.1	e1.7	1.7	1.6	1.7	1.5	1.3	1.1	1.2	1.1
19	1.6	1.6	2.1	e1.7	1.7	1.6	1.7	1.5	1.2	1.2	1.2	1.1
20	1.6	1.6	e2.0	e1.6	1.6	1.6	1.7	1.6	1.1	1.1	1.1	1.1
21	1.6	1.6	e1.9	e1.8	1.6	1.6	1.7	1.7	1.1	1.1	1.1	1.1
22	1.6	1.7	e2.1	e1.8	1.7	1.7	1.7	1.6	1.1	1.1	1.1	1.1
23	1.7	e1.7	e2.1	e1.8	1.7	1.8	1.7	1.6	1.1	1.2	1.2	1.1
24	1.6	1.9	e2.1	1.9	1.6	1.8	1.7	1.6	1.1	1.2	1.2	1.2
25	1.6	1.9	e2.1	1.9	1.6	1.7	1.7	1.6	1.2	1.2	1.2	1.2
26	1.7	1.9	e2.0	1.9	1.6	1.7	1.7	1.5	1.2	1.2	1.2	1.2
27	2.1	1.9	e2.0	1.9	1.6	1.7	1.7	1.5	1.2	1.2	1.2	1.2
28	1.8	1.9	e2.0	1.9	1.6	1.7	1.7	1.4	1.2	1.2	1.2	1.2
29	1.8	e1.9	e2.0	1.9	1.7	1.7	1.7	1.4	1.2	1.2	1.2	1.2
30	1.8	e1.9	e2.1	1.9	---	1.7	1.6	1.4	1.3	1.2	1.2	1.2
31	e1.8	---	2.3	1.9	---	1.7	---	1.3	---	1.1	1.2	---
TOTAL	50.6	52.0	65.2	58.5	50.1	52.1	49.5	48.4	36.9	37.8	36.1	35.1
MEAN	1.63	1.73	2.10	1.89	1.73	1.68	1.65	1.56	1.23	1.22	1.16	1.17
MAX	2.1	2.0	2.3	2.3	1.9	1.8	1.7	1.7	1.4	1.5	1.2	1.3
MIN	1.5	1.6	1.8	1.6	1.6	1.6	1.6	1.3	1.1	1.1	1.1	1.1
AC-FT	100	103	129	116	99	103	98	96	73	75	72	70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1992, BY WATER YEAR (WY)

MEAN	3.17	3.08	2.98	2.96	3.05	3.43	5.80	6.88	4.23	3.38	3.11	3.08
MAX	9.08	8.89	7.93	7.92	7.65	9.30	21.6	40.0	19.3	12.3	10.1	9.61
(WY)	1984	1985	1985	1985	1985	1985	1983	1983	1983	1983	1983	1983
MIN	1.06	1.20	1.23	1.08	1.32	1.42	1.42	1.20	1.20	1.05	1.01	1.11
(WY)	1960	1960	1960	1961	1961	1961	1961	1961	1961	1961	1961	1959

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1959 - 1992	
ANNUAL TOTAL	684.6		572.3			
ANNUAL MEAN	1.88		1.56		3.76	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	16	Aug 24	2.3	Dec 11	70	Apr 24 1983
LOWEST DAILY MEAN	1.4	Jul 4	1.1	Jun 20	.84	Dec 18 1967
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 30	1.1	Sep 13	.93	Jul 21 1961
ANNUAL RUNOFF (AC-FT)	1360		1140		2730	
10 PERCENT EXCEEDS	2.1		1.9		7.6	
50 PERCENT EXCEEDS	1.9		1.6		2.4	
90 PERCENT EXCEEDS	1.5		1.2		1.4	

e Estimated

10172726 FAUST CREEK BELOW TOOELE CITY WELL NEAR VERNON, UT

LOCATION.--Lat 40°08'51", long 112°26'39", in SE¼NW¼SE¼ sec. 6, T. 8 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank, 100 ft below Tooele City well, 2.0 mi southwest of Faust, and 4.0 mi north of Vernon.

PERIOD OF RECORD.--October 1991 to September 1992.

GAGE.--Water-stage recorder. Elevation of gage is 5,295 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Gage installed to determine discharge from pumped well.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8.1 ft³/s Apr. 9; minimum daily discharge, no flow many days.

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	e.25	e.17	.21	.00	.00	.00	3.0	.00	.30	.31	2.7	2.1
2	.24	e.16	.22	.00	.00	.00	3.1	1.3	.07	.32	3.8	2.8
3	e.22	e.15	.23	.00	.00	.00	3.2	.00	.69	1.5	4.6	5.5
4	e.21	e.15	.25	.00	.00	.00	3.3	1.7	.90	1.1	3.1	4.1
5	e.20	e.16	.26	.00	.00	.00	3.3	2.2	.91	1.0	2.7	5.7
6	e.20	e.16	.27	.00	.00	.00	3.3	2.4	.88	1.4	.00	2.5
7	e.19	e.15	.30	.00	.00	.00	7.2	1.5	.00	1.3	1.7	.00
8	e.18	e.14	.31	.00	.00	.00	4.6	1.2	.99	.00	2.4	.69
9	e.16	e.13	.31	.00	.00	.00	8.1	.00	.63	.00	3.7	.73
10	e.16	e.13	.32	.00	.00	.00	4.6	.00	.85	1.0	3.1	.47
11	e.16	e.13	.32	.00	.00	.00	.00	.00	.42	2.0	1.6	1.2
12	e.16	e.13	.33	.00	.00	.00	.00	.00	.76	.00	.34	1.6
13	e.17	e.13	.31	.00	.00	1.9	.00	.84	1.1	1.1	1.9	.00
14	e.17	e.14	.33	.00	.00	5.1	4.6	.97	.00	.09	2.1	.99
15	e.16	e.13	.34	.00	.00	4.9	3.3	1.1	.42	.61	2.0	.71
16	e.16	e.13	.35	.00	.00	4.6	2.0	1.0	1.7	1.9	.00	3.1
17	e.16	e.13	.36	.00	.00	4.5	2.2	.00	1.5	.87	.00	.09
18	e.17	e.14	.38	.00	.00	4.5	.00	.00	1.2	1.2	1.1	.13
19	e.17	e.13	.38	.00	.00	4.3	.00	.00	.54	.00	.97	.08
20	e.16	e.13	.33	.00	.00	4.3	1.9	.17	.57	.93	1.6	.00
21	e.16	e.13	.37	.00	.00	4.4	2.9	1.1	.41	.84	1.2	.00
22	e.16	e.14	.38	.00	.00	3.7	2.5	.31	.65	.00	2.2	2.8
23	e.17	.13	.39	.00	.00	3.1	1.7	.58	.62	.00	3.9	4.8
24	e.16	.14	.40	.00	.00	2.7	2.3	.00	.93	1.4	.22	4.3
25	e.16	.16	.41	.00	.00	2.7	1.8	.00	.42	.00	2.0	3.3
26	e.17	.17	.41	.00	.00	2.7	.00	.51	.92	.00	.00	4.2
27	e.18	.20	.23	.00	.00	2.8	2.2	.85	.92	.83	1.2	.19
28	e.18	.21	.00	.00	.00	2.7	2.9	1.1	.44	.69	2.2	.26
29	e.17	.22	.00	.00	.00	2.7	2.0	.51	.65	.94	1.6	.76
30	e.17	.21	.00	.00	---	3.0	2.5	.05	.44	2.7	.00	1.2
31	e.17	---	.00	.00	---	3.1	---	.00	---	2.1	.84	---
TOTAL	5.50	4.53	8.70	0.00	0.00	67.70	78.50	19.39	20.83	26.13	54.77	54.30
MEAN	.18	.15	.28	.000	.000	2.18	2.62	.63	.69	.84	1.77	1.81
MAX	.25	.22	.41	.00	.00	5.1	8.1	2.4	1.7	2.7	4.6	5.7
MIN	.16	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AC-FT	11	9.0	17	.00	.00	134	156	38	41	52	109	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	.18	.15	.28	.000	.000	2.18	2.62	.63	.69	.84	1.77	1.81
MAX	.18	.15	.28	.000	.000	2.18	2.62	.63	.69	.84	1.77	1.81
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992
MIN	.18	.15	.28	.000	.000	2.18	2.62	.63	.69	.84	1.77	1.81
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1991 - 1992	
ANNUAL TOTAL	340.35			
ANNUAL MEAN	.93		.93	
HIGHEST ANNUAL MEAN			.93	1992
LOWEST ANNUAL MEAN			.93	1992
HIGHEST DAILY MEAN	8.1	Apr 9	8.1	Apr 9 1992
LOWEST DAILY MEAN	.00	Dec 28	.00	Dec 28 1991
ANNUAL SEVEN-DAY MINIMUM	.00	Dec 28	.00	Dec 28 1991
ANNUAL RUNOFF (AC-FT)	675		674	
10 PERCENT EXCEEDS	3.0		3.0	
50 PERCENT EXCEEDS	.22		.22	
90 PERCENT EXCEEDS	.00		.00	

e Estimated

10172727 FAUST CREEK NEAR VERNON, UT

LOCATION.--Lat 40°09'38", long 112°25'49", in NE¼SE¼SW¼ sec. 32, T. 7 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on left bank 30 ft west of State Highway 36, approximately 1 mi south of Faust, and 4.5 mi north of Vernon.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--October 1991 to September 1992.

GAGE.--Water-stage recorder.

REMARKS.--Records poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6.5 ft³/s April 22, gage height, 5.36 ft; minimum daily discharge, 0.08 ft³/s Sept. 3.

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	e1.2	e1.1	.95	e.90	e.94	3.5	1.6	2.2	1.1	.66	.21	.11
2	e1.1	e1.0	1.0	e.84	e.95	3.3	1.5	1.2	.98	.61	.28	.10
3	e1.1	e.90	e.90	e.88	e.98	3.3	1.5	1.3	.90	.51	.39	.08
4	e1.0	e.94	e.88	e.86	e.98	3.6	1.5	.97	.86	.45	.46	.33
5	e1.0	e1.0	e.86	e.83	e.94	3.6	1.5	1.3	.91	.39	.88	1.2
6	e.96	e1.1	e.84	e.91	e.96	3.4	1.4	1.7	1.0	.38	.92	1.9
7	e.94	e1.0	e.90	e1.0	.92	3.3	1.4	1.9	1.1	.44	.50	.38
8	e.92	e.80	e.88	e.90	.93	3.4	1.9	1.7	1.0	.68	.46	.26
9	e.90	e.80	e.84	e.88	1.1	3.3	2.4	1.9	1.0	.52	.57	.25
10	e.90	e.80	e.83	e.80	1.3	2.9	2.9	1.2	1.0	.41	.75	.27
11	e.90	e.80	e.84	e.90	1.5	2.8	2.2	.97	.99	.42	.75	.27
12	e.90	e.80	e.86	e.98	2.1	2.6	1.4	.89	.71	.82	.54	.30
13	e.98	e.80	e.84	e.97	3.2	2.6	1.3	.94	.65	.69	.42	.39
14	e1.1	e.90	e.83	e.96	3.4	2.7	1.2	1.2	.86	.53	.38	.35
15	e1.0	e.80	e.82	e.95	3.1	2.6	2.1	1.4	.88	.49	.54	.44
16	e1.0	e.80	e.85	e.90	3.4	2.5	2.6	1.6	.80	.42	.56	.44
17	e1.0	e.80	e.88	e.90	3.1	2.6	2.8	1.6	1.1	.35	.39	.71
18	e1.1	e.90	e.90	e.93	2.7	2.8	2.5	1.2	1.0	.34	.34	.50
19	e1.1	e.80	e.85	e.91	2.9	2.5	1.6	1.1	.93	.34	.31	.48
20	e1.0	e.80	e.80	e.90	3.4	2.3	1.5	1.1	.68	.32	.30	.62
21	e1.0	e.80	e.82	e1.0	3.4	2.5	2.4	1.6	.60	.29	.32	.57
22	e1.0	e.90	e.84	e.98	4.1	2.6	4.1	1.9	.54	.24	.17	.57
23	e1.1	e1.1	e.86	e.96	4.2	2.7	3.6	1.7	.45	.19	.16	.63
24	e1.0	e1.2	e.86	e.98	3.7	2.6	3.0	1.7	.41	.19	.18	.93
25	e1.0	e1.2	e.85	e1.0	4.1	2.5	2.8	1.6	.42	.20	.15	.89
26	e1.1	e1.2	e.84	e.98	3.5	2.6	2.3	1.4	.39	.20	.13	1.4
27	e1.3	e1.4	e.84	e.96	3.5	2.8	1.4	1.5	.50	.20	.13	1.1
28	e1.2	1.2	e.84	e.93	3.5	2.1	2.3	1.6	.39	.21	.11	.91
29	e1.2	e1.1	e.84	e.92	3.5	1.6	2.7	1.9	.28	.21	.10	.88
30	e1.1	e1.0	e.84	e.96	---	1.9	2.1	1.9	.33	.18	.10	.89
31	e1.1	---	e.94	e1.0	---	2.1	---	1.3	---	.18	.11	---
TOTAL	32.20	28.74	26.72	28.77	72.30	85.6	63.5	45.47	22.76	12.06	11.61	18.15
MEAN	1.04	.96	.86	.93	2.49	2.76	2.12	1.47	.76	.39	.37	.60
MAX	1.3	1.4	1.0	1.0	4.2	3.6	4.1	2.2	1.1	.82	.92	1.9
MIN	.90	.80	.80	.80	.92	1.6	1.2	.89	.28	.18	.10	.08
AC-FT	64	57	53	57	143	170	126	90	45	24	23	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1992, BY WATER YEAR (WY)

MEAN	1.04	.96	.86	.93	2.49	2.76	2.12	1.47	.93	1.17	.37	.60
MAX	1.04	.96	.86	.93	2.49	2.76	2.12	1.47	1.10	1.95	.37	.60
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1991	1991	1992	1992
MIN	1.04	.96	.86	.93	2.49	2.76	2.12	1.47	.76	.39	.37	.60
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1992 WATER YEAR		WATER YEARS 1991 - 1992	
ANNUAL TOTAL	447.88			
ANNUAL MEAN	1.22		1.22	
HIGHEST ANNUAL MEAN			1.22	1992
LOWEST ANNUAL MEAN			1.22	1992
HIGHEST DAILY MEAN	4.2	Feb 23	4.2	Feb 23 1992
LOWEST DAILY MEAN	.08	Sep 3	.08	Sep 3 1992
ANNUAL SEVEN-DAY MINIMUM	.10	Aug 28	.10	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	888		887	
10 PERCENT EXCEEDS	2.7		2.6	
50 PERCENT EXCEEDS	.95		1.0	
90 PERCENT EXCEEDS	.33		.34	

e Estimated

10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT

LOCATION.--Lat 40°20'06", long 112°31'39", in NE¼SE¼SW¼ sec. 33, T. 55 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on left bank 60 ft south of State Highway 199 at milepost 15.9, and 4.6 mi west of St. John.

DRAINAGE AREA.--6.71 mi².

PERIOD OF RECORD.--November 1984 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,660 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31 ft³/s June 1, 1986, gage height, 2.05 ft; minimum daily discharge, 0.80 ft³/s Dec. 25, 26, 1990 (REVISED).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5.3 ft³/s May 9, gage height, 1.38 ft; minimum daily discharge, 0.90 ft³/s Jan. 20.

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	1.9	1.8	e1.4	e1.1	e1.1	2.0	3.7	3.9	2.6	2.1	1.5	1.1
2	1.8	1.8	e1.4	e1.1	e1.2	1.9	3.5	3.4	2.5	2.2	1.5	1.2
3	1.8	1.8	e1.3	e1.1	e1.2	1.8	3.7	3.2	2.5	2.1	1.7	1.2
4	1.8	1.8	e1.3	e1.1	e1.3	1.8	4.4	3.1	2.5	2.0	2.0	1.3
5	1.8	1.8	e1.3	e1.0	e1.2	1.7	4.7	3.3	2.5	2.0	1.5	1.3
6	1.8	1.8	e1.4	e1.3	e1.2	1.7	4.1	3.5	2.4	2.0	1.4	1.2
7	1.8	1.8	e1.5	e1.3	e1.3	1.7	3.7	3.9	2.8	2.0	1.3	1.2
8	1.8	1.8	e1.4	e1.3	e1.3	1.7	3.4	3.9	3.1	1.9	1.3	1.2
9	1.8	1.7	e1.3	e1.2	e1.3	1.7	3.2	4.9	2.6	1.8	1.4	1.1
10	1.8	1.8	e1.3	e1.2	e1.4	1.7	3.2	4.2	2.3	1.7	1.4	1.1
11	1.8	1.8	e1.3	e1.3	e1.4	1.7	3.5	3.6	2.3	1.7	1.3	1.1
12	1.8	1.7	e1.4	e1.2	e1.4	1.7	4.1	3.4	2.2	1.8	1.3	1.1
13	1.8	1.5	e1.4	e1.1	e1.4	2.0	3.8	3.4	2.2	1.8	1.3	1.2
14	1.8	1.7	e1.4	e1.2	e1.5	2.3	3.7	3.8	2.2	1.8	1.3	1.3
15	1.8	1.7	e1.3	e1.2	e1.4	2.7	3.7	3.9	2.2	1.7	1.3	1.3
16	1.7	1.7	e1.2	e1.1	e1.4	2.7	3.7	3.8	2.2	1.7	1.3	1.4
17	1.7	1.6	e1.2	e1.0	e1.4	2.5	3.6	3.6	2.2	1.7	1.3	1.3
18	1.7	1.7	e1.1	e1.0	e1.3	2.3	3.4	3.5	2.2	1.7	1.3	1.3
19	1.7	1.7	e1.4	e.95	e1.4	2.1	3.0	3.4	2.2	1.7	1.3	1.3
20	1.7	1.6	e1.2	e.90	e1.6	1.8	2.7	3.3	2.2	1.7	1.3	1.3
21	1.7	1.5	e1.2	e1.0	e1.5	1.7	2.4	3.2	2.2	1.7	1.3	1.3
22	1.7	1.5	e1.2	e1.0	e1.5	1.9	2.3	3.0	2.2	1.6	1.3	1.3
23	1.8	1.5	e1.2	e1.1	e1.5	2.0	2.3	2.9	2.1	1.5	1.3	1.3
24	1.7	1.5	e1.3	e1.1	e1.4	2.0	2.3	2.9	2.0	1.5	1.3	1.3
25	1.7	1.5	e1.2	e1.2	e1.6	2.0	2.3	2.9	2.0	1.6	1.3	1.3
26	1.7	1.5	e1.2	e1.1	e1.5	2.1	2.4	2.9	2.0	1.5	1.3	1.3
27	1.7	1.5	e1.1	e1.1	1.6	2.2	2.8	2.9	2.0	1.5	1.3	1.3
28	1.7	1.5	e1.1	e1.0	1.5	2.5	3.5	2.8	2.0	1.5	1.2	1.3
29	1.8	1.6	e1.1	e1.1	1.8	2.5	3.7	2.7	2.0	1.5	1.1	1.3
30	1.9	e1.5	e1.1	e1.1	---	2.6	4.0	2.7	2.0	1.5	1.1	1.3
31	1.8	---	e1.2	e1.2	---	3.0	---	2.7	---	1.5	1.1	---
TOTAL	54.8	49.7	39.4	34.65	40.6	64.0	100.8	104.6	68.4	54.0	41.6	37.5
MEAN	1.77	1.66	1.27	1.12	1.40	2.06	3.36	3.37	2.28	1.74	1.34	1.25
MAX	1.9	1.8	1.5	1.3	1.8	3.0	4.7	4.9	3.1	2.2	2.0	1.4
MIN	1.7	1.5	1.1	.90	1.1	1.7	2.3	2.7	2.0	1.5	1.1	1.1
AC-FT	109	99	78	69	81	127	200	207	136	107	83	74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	2.20	1.95	1.65	1.43	1.70	2.68	4.52	6.10	6.53	3.94	2.86	2.24
MAX	4.14	3.40	3.08	2.48	3.65	7.47	10.8	17.5	20.3	11.0	7.20	5.23
(WY)	1987	1987	1987	1987	1986	1986	1986	1986	1986	1986	1986	1986
MIN	1.00	1.08	.89	.86	.86	.90	1.83	1.89	2.28	1.64	1.32	1.04
(WY)	1991	1991	1991	1991	1991	1991	1990	1990	1992	1990	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	991.02		690.05			
ANNUAL MEAN	2.72		1.89		3.15	
HIGHEST ANNUAL MEAN					7.83	1986
LOWEST ANNUAL MEAN					1.51	1990
HIGHEST DAILY MEAN	19	Jun 5	4.9	May 9	31	Jun 1 1986
LOWEST DAILY MEAN	.85	Feb 21	.90	Jan 20	.80	Dec 25 1990
ANNUAL SEVEN-DAY MINIMUM	.86	Feb 16	.99	Jan 16	.82	Dec 23 1990
ANNUAL RUNOFF (AC-FT)	1970		1370		2280	
10 PERCENT EXCEEDS	5.6		3.3		5.9	
50 PERCENT EXCEEDS	1.8		1.7		2.2	
90 PERCENT EXCEEDS	.86		1.2		1.0	

e Estimated

10172791 SETTLEMENT CREEK ABOVE RESERVOIR NEAR TOOELE, UT

LOCATION.--Lat 40°30′20", long 112°17′23", in SE¼NW¼NW¼, sec. 3, T. 4 S., R. 4 W., Tooele County, Hydrologic Unit 16020304, on right bank 0.2 mi upstream from road crossing at upstream end of reservoir.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,380 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed discharge, 27 ft³/s June 12, 1991, gage height, unknown; minimum daily discharge 0.21 ft³/s Sept. 27, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.5 ft³/s May 21, gage height, 4.55; minimum daily discharge, 0.22 ft³/s Feb. 3.

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	.51	e1.1	1.0	.62	.26	.73	1.1	e1.9	2.9	1.4	.68	.42
2	.56	e1.1	1.0	.67	.25	.80	1.2	e1.7	2.8	1.2	.68	.43
3	.89	e1.1	.98	.70	.22	.78	1.2	e1.6	2.8	.85	.51	.61
4	1.0	e1.1	.96	.77	.26	.80	1.2	e1.5	2.8	.83	.55	1.2
5	1.1	e1.1	.85	.64	.36	.80	1.2	e1.6	2.5	.83	.63	1.1
6	1.1	e1.2	.89	.71	.36	.77	1.3	e1.8	2.4	.83	.60	1.1
7	1.1	e1.2	.87	.79	.38	.80	1.1	e2.1	2.6	.65	.61	1.1
8	e1.1	e1.2	.83	.62	.34	.80	.98	e2.4	2.6	.49	.61	1.1
9	e1.1	e1.3	.79	.71	.43	.80	1.0	e3.0	2.5	.48	.59	1.0
10	e1.1	1.5	.77	.69	.53	.72	1.0	e2.5	2.3	.47	.48	.97
11	e1.1	1.4	.73	.69	.61	.71	1.0	e2.1	2.2	.47	.48	.95
12	e1.1	1.4	.77	.65	.61	.71	1.2	e1.8	2.1	.55	.50	1.0
13	e1.0	1.4	.78	.55	.67	.71	1.2	e1.5	2.0	.42	.51	1.1
14	e1.0	1.4	.76	.52	.60	.73	1.2	e1.6	2.1	.40	.55	1.1
15	e1.0	1.3	.80	.54	.54	.77	1.2	e1.7	2.0	.43	.62	1.1
16	e1.0	1.3	.81	.71	.62	.80	1.1	e1.6	1.8	.54	.65	1.1
17	e1.0	1.3	.78	.75	.61	.83	e1.0	e1.5	1.6	.49	.60	1.2
18	e1.0	1.2	.85	.67	.63	.80	e.90	e1.4	1.6	.47	.66	1.3
19	e1.0	1.0	.87	.70	.65	.79	e.83	2.3	1.5	.52	.65	1.2
20	e1.0	1.0	.80	.80	.71	.71	e.80	3.0	1.6	.59	.66	1.1
21	e1.0	.99	.93	.80	.76	.80	e.80	3.8	1.6	.62	.65	1.0
22	e1.0	1.0	.86	.80	.91	.82	e.80	3.7	1.6	.60	.78	.94
23	e1.3	1.0	.84	.77	.79	.85	e.82	2.5	1.3	.63	.85	.99
24	e1.1	1.0	.82	.67	.75	.88	e.90	2.5	1.2	.54	.81	.92
25	e1.0	.91	.85	.49	.65	.89	e1.0	2.6	1.3	.53	.79	.97
26	e1.1	.91	.70	.44	.68	.93	e1.2	3.0	1.3	.56	.75	.94
27	e1.2	1.1	.76	.32	.69	1.0	e1.4	3.1	1.2	.62	.71	.85
28	e1.1	1.2	.80	.25	.76	1.0	e1.6	3.1	1.2	.53	.66	.72
29	e1.1	1.1	.76	.24	.77	1.1	e1.8	3.4	1.2	.60	.63	.75
30	e1.1	1.0	.67	.23	---	1.1	e2.0	3.4	1.2	.65	.66	.72
31	e1.1	---	.66	.26	---	1.1	---	3.2	---	.63	.39	---
TOTAL	31.86	34.81	25.54	18.77	16.40	25.83	34.03	72.9	57.8	19.42	19.50	28.98
MEAN	1.03	1.16	.82	.61	.57	.83	1.13	2.35	1.93	.63	.63	.97
MAX	1.3	1.5	1.0	.80	.91	1.1	2.0	3.8	2.9	1.4	.85	1.3
MIN	.51	.91	.66	.23	.22	.71	.80	1.4	1.2	.40	.39	.42
AC-FT	63	69	51	37	33	51	67	145	115	39	39	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1992, BY WATER YEAR (WY)

MEAN	.96	.92	.78	.70	.72	.83	1.02	2.82	5.29	1.96	1.50	.88
MAX	1.22	1.16	1.00	.96	.94	1.06	1.40	4.53	13.0	3.61	2.93	1.24
(WY)	1990	1992	1989	1989	1989	1989	1989	1991	1991	1991	1991	1989
MIN	.73	.65	.60	.57	.57	.62	.68	2.15	1.93	.63	.63	.52
(WY)	1991	1991	1991	1991	1992	1991	1991	1990	1992	1992	1992	1991

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1989 - 1992	
ANNUAL TOTAL	913.65		385.84			
ANNUAL MEAN	2.50		1.05		1.53	
HIGHEST ANNUAL MEAN					2.42	1991
LOWEST ANNUAL MEAN					1.05	1992
HIGHEST DAILY MEAN	24	Jun 12	3.8	May 21	24	Jun 12 1991
LOWEST DAILY MEAN	.21	Sep 27	.22	Feb 3	.21	Sep 27 1991
ANNUAL SEVEN-DAY MINIMUM	.25	Sep 21	.24	Jan 28	.24	Jan 28 1992
ANNUAL RUNOFF (AC-FT)	1810		765		1110	
10 PERCENT EXCEEDS	7.3		1.8		2.8	
50 PERCENT EXCEEDS	.89		.89		.96	
90 PERCENT EXCEEDS	.54		.53		.62	

e Estimated

10172795 BOX ELDER WASH NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'42", long 112°31'52", in SE¼NE¼SW¼ sec. 4, T. 4 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on left bank 0.5 mi west of county road and 6.5 mi southwest of Grantsville.

DRAINAGE AREA.--9.84 mi².

PERIOD OF RECORD.--October 1986 to current year.

REVISED RECORDS.--WDR UT-89-1: 1988.

GAGE.--Water-stage recorder. Elevation of gage is 5,700 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2.0 ft³/s, many days in October 1987; minimum daily discharge, 0.08 ft³/s, many days in December 1990 and January 1991.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 0.34 ft³/s, Oct. 23; minimum daily discharge, 0.12 ft³/s, Dec. 1, Aug. 22.

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	.28	e.22	e.12	.17	e.17	.20	.20	.24	.14	.33	.20	.17
2	.28	e.19	e.13	.16	e.17	.18	.20	.21	.15	.28	.20	.17
3	.28	e.17	e.15	e.17	e.19	.15	.20	.20	.17	.24	.19	.18
4	.28	e.18	e.14	e.16	e.21	.17	.20	.20	.17	.24	.17	.23
5	.28	.19	e.13	.15	e.19	.17	.20	.24	.17	.24	.17	.20
6	.28	.17	e.13	e.20	e.20	.17	.20	.24	.18	.24	.17	.20
7	.28	.17	e.17	e.17	e.22	.17	.20	.24	.22	.25	.18	.20
8	.28	.17	e.16	.15	.24	.17	.20	.21	.24	.24	.18	.20
9	.28	.18	e.15	.15	.24	.17	.20	.23	.24	.22	.17	.20
10	.28	.17	.15	e.16	.24	.16	.20	.20	.24	.20	.17	.20
11	.28	.17	.15	e.16	.24	.17	.20	.20	.24	.20	.15	.20
12	.28	.17	.15	e.15	.24	.17	.20	.22	.24	.23	.15	.20
13	.28	.17	.15	e.16	.24	.17	.20	.20	.27	.20	.16	.20
14	.28	.18	e.15	e.18	e.22	.17	.20	.17	.28	.20	.17	.20
15	.28	.18	e.15	e.15	e.20	.17	.20	.17	.26	.23	.19	.20
16	.28	.17	e.15	e.16	e.18	.17	.20	.17	.26	.24	.21	.20
17	.26	.18	e.16	e.15	e.17	.20	.21	.17	.24	.24	.24	.20
18	.24	.17	.17	e.15	e.20	.20	.20	.17	.24	.24	.23	.20
19	.24	.17	.18	e.14	e.23	.20	.24	.19	.24	.24	.23	.20
20	.24	.17	e.16	e.13	.29	.20	.22	.17	.26	.23	.21	.21
21	.24	.17	e.15	e.15	.19	.20	.24	.19	.27	.20	.14	.20
22	.24	e.15	e.16	e.15	.20	.24	.24	.17	.26	.22	.12	.19
23	.34	e.14	.17	e.16	.17	.26	.24	.17	.25	.23	.13	.20
24	.24	.15	.17	e.17	.17	.28	.24	.20	.23	.23	.14	.20
25	.24	.15	.17	e.20	.17	.27	.24	.18	.24	.24	.16	.19
26	.24	.15	.17	e.19	.17	.27	.22	.17	.24	.24	.17	.19
27	e.24	.15	.17	e.18	.17	.24	.20	.17	.24	.24	.15	.17
28	e.23	e.14	.17	e.17	.17	.24	.24	.17	.22	.24	.15	.17
29	e.22	e.13	.17	e.16	.19	.24	.24	.17	.23	.23	.16	.17
30	e.18	e.13	.17	e.17	---	.24	.24	.16	.27	.20	.15	.15
31	e.19	---	e.19	e.18	---	.21	---	.15	---	.20	.18	---
TOTAL	8.06	5.00	4.86	5.05	5.88	6.22	6.41	5.94	6.90	7.20	5.39	5.79
MEAN	.26	.17	.16	.16	.20	.20	.21	.19	.23	.23	.17	.19
MAX	.34	.22	.19	.20	.29	.28	.24	.24	.28	.33	.24	.23
MIN	.18	.13	.12	.13	.17	.15	.20	.15	.14	.20	.12	.15
AC-FT	16	9.9	9.6	10	12	12	13	12	14	14	11	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1992, BY WATER YEAR (WY)

MEAN	.64	.58	.51	.49	.44	.42	.40	.39	.62	.56	.51	.43
MAX	1.95	1.85	1.64	1.60	1.33	1.09	.91	.90	1.10	1.08	1.05	.85
(WY)	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987	1987
MIN	.20	.15	.11	.088	.11	.20	.21	.18	.23	.23	.17	.19
(WY)	1991	1991	1991	1991	1991	1992	1990	1991	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1992	
ANNUAL TOTAL	109.58		72.70			
ANNUAL MEAN	.30		.20		.50	
HIGHEST ANNUAL MEAN					1.28	1987
LOWEST ANNUAL MEAN					.20	1992
HIGHEST DAILY MEAN	1.8	Jun 6	.34	Oct 23	2.0	Oct 1 1986
LOWEST DAILY MEAN	.08	Jan 1	.12	Dec 1	.08	Dec 18 1990
ANNUAL SEVEN-DAY MINIMUM	.08	Jan 1	.13	Nov 29	.08	Dec 18 1990
ANNUAL RUNOFF (AC-FT)	217		144		362	
10 PERCENT EXCEEDS	.55		.24		1.1	
50 PERCENT EXCEEDS	.24		.20		.33	
90 PERCENT EXCEEDS	.09		.15		.17	

e Estimated

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'47", long 112°34'25", in SW¼NW¼SW¼ sec. 6, T. 4 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on right bank 200 ft upstream from Forest Service Guard Station, 1.7 mi above Wasatch National Forest boundary, 9.2 mi southwest of Grantsville, and 14.8 mi west of Tooele.

DRAINAGE AREA.--4.19 mi². Area at crest-stage gage site, 3.26 mi².

PERIOD OF RECORD.--July 1963 to current year. Annual maximum only, July 1960 to July 1963, at crest-stage gage site.

REVISED RECORDS.--WDR UT-83-1: 1982.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map. Prior to July 23, 1963, crest-stage gage only, at site 1.4 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft³/s June 8, 1964, gage height, 2.27 ft; minimum daily discharge, 1.5 ft³/s many days December-March, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 9	0400	*12	*1.45				

Minimum daily discharge, 1.7 ft³/s many days during August and September.

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	2.4	2.4	e2.0	e2.0	e2.5	2.1	3.3	8.0	5.6	3.2	2.1	1.7
2	2.3	2.4	e1.8	e2.0	e2.5	2.2	3.3	7.9	5.5	3.0	2.1	1.7
3	2.4	2.4	e1.9	e1.9	e2.7	2.3	3.5	8.5	5.3	3.0	2.0	1.7
4	2.4	2.4	e2.0	e1.9	e2.6	2.4	3.7	9.1	5.2	3.0	2.0	1.9
5	2.4	2.4	e1.9	e2.1	e2.4	2.4	4.0	9.4	4.6	2.9	2.0	1.8
6	2.4	2.6	e2.1	e2.3	e2.2	2.5	4.3	9.4	4.7	2.8	2.0	1.7
7	2.3	2.6	e2.2	e2.2	e2.1	2.6	4.3	9.4	4.8	2.8	2.1	1.7
8	2.4	2.6	e2.1	e2.1	e2.1	2.5	4.4	9.4	4.6	2.8	2.1	1.7
9	2.4	2.9	e1.9	e2.2	e2.3	2.5	4.9	10	4.5	2.7	2.0	1.7
10	2.4	3.2	e1.9	e2.3	e2.4	2.6	5.0	10	4.4	2.6	2.0	1.7
11	2.3	3.1	e2.0	e2.4	e2.3	2.6	5.0	9.9	4.6	2.6	2.0	1.7
12	2.3	3.0	e2.1	e2.3	2.1	2.6	5.0	10	4.5	2.7	1.9	1.7
13	2.2	3.0	e2.0	e2.4	2.0	2.6	5.3	11	4.3	2.6	1.9	1.7
14	2.2	3.0	e2.1	e2.5	1.9	2.6	5.3	10	4.3	2.5	1.9	1.7
15	2.2	3.0	e1.9	e2.4	1.9	2.7	5.8	10	4.2	2.4	1.9	1.7
16	2.2	2.9	e1.9	e2.5	1.9	2.9	6.0	9.9	4.1	2.4	1.9	1.7
17	2.2	2.9	e1.8	e2.3	1.9	3.0	6.0	9.7	4.1	2.4	1.9	1.7
18	2.2	2.8	e1.9	e2.2	1.9	3.0	6.0	9.7	3.9	2.4	1.9	1.7
19	2.2	2.8	e1.9	e2.1	1.9	3.3	5.9	9.9	3.8	2.4	1.9	1.7
20	2.2	2.9	e1.8	e2.1	1.9	3.3	5.6	9.7	3.7	2.4	1.9	1.7
21	2.2	2.9	e1.8	e2.1	1.9	3.3	5.6	9.3	3.3	2.5	1.9	1.7
22	2.2	2.8	e1.8	e2.2	2.0	3.3	5.6	8.6	3.1	2.4	1.9	1.7
23	2.7	2.8	e1.9	e2.2	1.9	3.3	5.6	8.1	3.0	2.4	1.9	1.7
24	2.3	2.6	e1.8	e2.2	1.9	3.1	5.6	7.6	2.9	2.4	1.9	1.7
25	2.2	2.6	e1.8	e2.2	1.9	3.2	5.5	7.0	2.8	2.4	1.8	1.7
26	2.4	2.6	e1.9	e2.3	1.9	3.3	5.3	6.7	2.8	2.3	1.8	1.7
27	2.5	2.7	e1.9	e2.3	1.9	3.3	5.5	6.5	2.8	2.2	1.7	1.7
28	2.4	2.6	e1.9	e2.4	2.0	3.3	6.4	6.1	2.8	2.2	1.7	1.7
29	2.4	2.4	e1.9	e2.5	2.0	3.3	6.7	6.0	2.8	2.2	1.7	1.7
30	2.4	e2.2	e2.0	e2.5	---	3.3	7.3	5.8	2.9	2.2	1.7	1.7
31	2.4	---	e2.0	e2.5	---	3.3	---	5.6	---	2.1	1.7	---
TOTAL	72.1	81.5	59.9	69.6	60.9	88.7	155.7	268.2	119.9	78.9	59.2	51.3
MEAN	2.33	2.72	1.93	2.25	2.10	2.86	5.19	8.65	4.00	2.55	1.91	1.71
MAX	2.7	3.2	2.2	2.5	2.7	3.3	7.3	11	5.6	3.2	2.1	1.9
MIN	2.2	2.2	1.8	1.9	1.9	2.1	3.3	5.6	2.8	2.1	1.7	1.7
AC-FT	143	162	119	138	121	176	309	532	238	156	117	102

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	3.63	3.38	3.03	2.94	2.93	3.50	6.31	15.7	18.6	9.45	5.14	4.14
MAX	7.59	6.57	5.79	5.61	5.84	7.12	11.9	40.0	46.0	24.6	12.6	9.54
(WY)	1984	1985	1985	1984	1984	1986	1986	1984	1984	1984	1984	1982
MIN	1.71	1.70	1.64	1.50	1.54	1.53	2.42	4.38	4.00	2.55	1.91	1.71
(WY)	1991	1991	1991	1991	1991	1991	1967	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	1814.8		1165.9			
ANNUAL MEAN	4.97		3.19		6.57	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	36	Jun 8	11	May 13	84	Jun 1 1984
LOWEST DAILY MEAN	1.5	Jan 1	1.7	Aug 27	1.5	Dec 24 1990
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 1	1.7	Aug 27	1.5	Dec 24 1990
ANNUAL RUNOFF (AC-FT)	3600		2310		4760	
10 PERCENT EXCEEDS	14		5.8		15	
50 PERCENT EXCEEDS	2.4		2.4		3.8	
90 PERCENT EXCEEDS	1.5		1.8		2.2	

e Estimated

10172805 NORTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°31'58", long 112°34'19", in NW¼NE¼NW¼ sec. 30, T. 3 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on left bank 100 ft upstream from Wasatch National Forest boundary and 200 ft upstream from North Willow Irrigation Company diversion structure, and 7.4 mi southwest of Grantsville.

DRAINAGE AREA.--5.38 mi².

PERIOD OF RECORD.--October 1979 to September 1992 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,960 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 145 ft³/s May 16, 1984; minimum daily, 0.90 ft³/s several days during December 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 9	0200	*11	*2.99				

Minimum daily discharge, 1.2 ft³/s September 8, 9, 14, 15.

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	1.9	2.5	2.1	1.6	2.4	2.4	3.0	6.9	2.5	2.7	1.5	1.4
2	1.9	2.3	2.2	1.6	2.4	2.5	3.0	6.3	2.4	2.5	1.5	1.3
3	1.9	2.1	2.2	1.6	2.5	2.6	3.2	6.1	2.4	2.3	1.5	1.3
4	1.9	2.3	2.2	1.6	2.6	2.7	3.4	5.9	2.4	2.0	1.5	1.4
5	1.9	2.5	2.1	1.6	2.5	2.6	3.6	6.0	2.4	1.7	1.5	1.4
6	1.9	3.0	2.0	1.7	2.1	2.6	3.7	6.0	2.4	1.8	1.5	1.3
7	1.9	3.2	2.1	1.9	2.0	2.6	3.7	5.9	2.3	1.9	1.6	1.3
8	1.9	3.1	2.0	1.8	2.0	2.6	3.7	6.1	2.2	1.8	1.5	1.2
9	1.9	3.4	2.0	e1.7	2.1	2.6	3.8	7.1	2.0	1.7	1.5	1.2
10	1.8	3.5	2.0	e1.7	2.2	2.6	3.9	6.2	2.0	1.8	1.5	1.3
11	1.8	3.3	2.0	e1.8	2.2	2.5	3.9	5.4	1.9	1.8	1.5	1.3
12	1.8	3.0	1.9	e1.9	2.2	2.4	4.2	5.1	2.0	2.2	1.6	1.3
13	1.9	2.9	1.9	e2.0	2.1	2.5	4.7	5.4	2.1	1.9	1.6	1.3
14	1.9	2.9	1.9	e2.1	2.0	2.6	5.0	5.6	2.0	1.7	1.6	1.2
15	1.9	2.8	1.9	e2.0	2.0	2.6	5.4	5.4	2.0	1.7	1.6	1.2
16	1.9	2.7	1.9	e2.1	2.0	2.7	5.8	5.2	2.0	1.7	1.6	1.3
17	1.9	2.6	1.9	e2.0	2.0	2.8	5.7	4.9	1.9	1.6	1.6	1.3
18	2.0	2.6	1.8	e1.9	1.9	2.7	5.5	4.7	1.8	1.6	1.5	1.3
19	2.0	2.5	1.8	e1.9	1.9	2.7	5.2	4.6	1.8	1.6	1.5	1.3
20	2.1	2.5	1.7	e1.8	2.0	2.7	4.8	4.6	1.7	1.6	1.5	1.3
21	2.1	2.6	1.7	e1.8	2.0	2.6	4.6	4.6	1.6	1.7	1.4	1.3
22	2.1	2.5	1.7	e1.8	2.2	2.7	4.5	4.2	1.6	1.6	1.4	1.3
23	3.2	2.3	1.7	e1.9	2.1	2.7	4.4	3.8	1.5	1.6	1.4	1.3
24	2.5	2.5	1.7	1.9	2.1	2.6	4.2	3.6	1.5	1.6	1.5	1.3
25	2.4	2.3	1.7	2.0	2.2	2.7	4.2	3.6	1.5	1.6	1.4	1.3
26	2.3	2.3	1.7	2.0	2.2	2.9	4.5	3.5	1.9	1.5	1.4	1.3
27	2.8	2.3	1.7	2.0	2.2	2.9	5.4	3.4	1.8	1.5	1.3	1.3
28	2.6	2.3	1.7	2.1	2.3	2.9	6.3	3.1	1.6	1.5	1.3	1.3
29	2.6	2.3	1.6	2.3	2.4	2.9	6.8	3.0	1.7	1.5	1.3	1.3
30	2.5	2.2	1.6	2.4	---	2.9	6.9	2.7	2.0	1.4	1.3	1.3
31	2.4	---	1.6	2.4	---	3.0	---	2.5	---	1.4	1.3	---
TOTAL	65.6	79.3	58.0	58.9	62.8	82.8	137.0	151.4	58.9	54.5	45.7	38.9
MEAN	2.12	2.64	1.87	1.90	2.17	2.67	4.57	4.88	1.96	1.76	1.47	1.30
MAX	3.2	3.5	2.2	2.4	2.6	3.0	6.9	7.1	2.5	2.7	1.6	1.4
MIN	1.8	2.1	1.6	1.6	1.9	2.4	3.0	2.5	1.5	1.4	1.3	1.2
AC-FT	130	157	115	117	125	164	272	300	117	108	91	77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

MEAN	2.86	2.76	2.55	2.37	2.56	4.05	8.72	17.7	12.8	4.44	2.83	2.52
MAX	5.25	5.34	5.02	4.31	4.63	8.12	16.1	57.7	38.7	11.5	7.10	4.71
(WY)	1983	1985	1984	1984	1984	1986	1986	1984	1983	1983	1983	1984
MIN	1.46	1.50	1.21	1.00	1.32	1.60	2.71	4.52	1.96	1.71	1.35	1.30
(WY)	1991	1991	1991	1991	1991	1991	1991	1990	1992	1990	1990	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	1396.44		893.8			
ANNUAL MEAN	3.83		2.44		5.51	
HIGHEST ANNUAL MEAN					13.3	1984
LOWEST ANNUAL MEAN					2.18	1990
HIGHEST DAILY MEAN	28	Jun 6	7.1	May 9	145	May 16 1984
LOWEST DAILY MEAN	.96	Jan 1	1.2	Sep 8	.90	Dec 19 1990
ANNUAL SEVEN-DAY MINIMUM	.96	Jan 1	1.3	Sep 8	.90	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	2770		1770		3990	
10 PERCENT EXCEEDS	9.6		4.4		12	
50 PERCENT EXCEEDS	2.2		2.0		2.8	
90 PERCENT EXCEEDS	1.2		1.4		1.6	

e Estimated

10172870 TROUT CREEK NEAR CALLAO, UT

LOCATION.--Lat 39°44'39", long 113°53'21", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 28, T. 12 S., R. 18 W., Juab County, Hydrologic Unit 16020306, on left bank 2.9 mi upstream from Birch Creek and 14 mi southwest of Callao.

DRAINAGE AREA.--8.19 mi^2.

PERIOD OF RECORD.--October 1958 to current year. Monthly discharge only for October and November 1958, published in WSP 1734.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177 ft^3/s June 2, 1983, gage height, 2.84 ft, maximum gage height, 3.00 ft, May 15, 1973; minimum, 0.24 ft^3/s Feb. 25, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 29	0830	*21	*1.79	No other peak greater than base discharge.			

Minimum daily discharge, 0.81 ft^3/s Sept. 12.

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	1.6	2.0	e1.6	e1.3	e1.2	1.8	2.6	19	5.6	2.8	1.4	1.3
2	1.6	2.0	e1.5	e1.4	e1.2	1.8	2.8	16	5.4	2.7	1.4	1.1
3	1.6	3.5	e1.4	e1.5	e1.3	1.9	3.2	14	5.4	2.7	1.4	1.0
4	1.6	1.9	e1.4	e1.3	e1.4	1.8	3.6	14	5.2	2.6	1.4	1.2
5	1.7	1.8	1.5	e1.2	e1.3	1.8	3.7	14	5.1	2.6	1.4	1.1
6	1.7	1.8	1.5	e1.4	e1.3	1.9	3.8	15	5.1	2.6	1.4	.91
7	1.7	1.8	1.5	e1.5	e1.4	1.8	3.8	15	5.2	2.6	1.4	.87
8	1.7	1.7	1.5	e1.3	e1.4	1.8	4.0	16	4.9	2.7	1.3	.87
9	1.7	1.8	1.5	e1.2	e1.5	1.9	4.0	17	4.8	2.6	1.2	.87
10	1.8	1.9	1.5	e1.2	1.6	1.9	4.3	15	4.5	2.4	1.2	.85
11	1.8	1.8	1.5	e1.2	1.7	1.9	4.7	13	4.2	2.6	1.2	.83
12	1.8	1.8	1.5	e1.2	1.8	2.0	5.3	12	4.0	2.7	1.2	.81
13	1.8	1.7	1.4	e1.5	1.8	2.2	5.7	12	3.8	2.4	1.2	.86
14	1.8	1.8	1.3	e1.4	1.8	2.3	6.0	11	3.8	2.2	1.2	.87
15	1.6	1.8	1.3	e1.4	1.8	2.4	6.8	11	4.0	2.2	1.2	.86
16	1.6	1.8	1.3	e1.3	1.8	2.5	7.1	11	3.9	2.2	1.3	.87
17	1.7	1.8	1.2	e1.2	1.8	2.5	7.3	10	3.7	2.1	1.3	.87
18	1.8	1.8	1.3	e1.1	1.7	2.4	7.8	9.9	3.4	2.1	1.2	.88
19	1.8	1.8	1.3	e1.0	1.6	2.3	7.1	9.5	3.2	2.0	1.1	.90
20	1.8	1.8	1.2	e1.1	1.6	2.3	6.4	9.5	3.1	2.0	1.1	.88
21	1.8	1.8	e1.1	e1.2	1.6	2.3	6.0	9.1	3.0	1.9	1.0	.88
22	1.8	e1.7	e1.2	e1.1	1.9	2.3	5.9	8.4	3.0	1.9	1.1	.88
23	2.1	e1.5	1.3	e1.2	1.7	2.2	5.8	7.7	2.8	1.9	1.1	.87
24	2.0	e1.6	e1.4	e1.4	2.0	2.2	5.9	7.1	2.7	1.8	1.1	.90
25	2.0	1.8	1.3	e1.5	1.8	2.0	7.2	6.6	2.7	1.8	1.1	1.1
26	2.0	1.8	1.3	e1.3	1.8	2.2	10	6.8	2.7	1.7	1.0	1.0
27	2.3	1.8	1.3	e1.2	2.0	2.2	14	6.4	2.6	1.7	1.0	.97
28	2.2	1.7	1.3	e1.1	2.0	2.2	18	6.2	2.5	1.6	.95	.92
29	2.2	e1.6	1.3	e1.2	1.9	2.3	21	6.7	2.4	1.5	.95	.89
30	2.5	e1.5	1.3	e1.3	---	2.4	20	6.4	2.6	1.5	1.1	.88
31	2.9	---	e1.4	e1.3	---	2.5	---	6.0	---	1.4	1.2	---
TOTAL	58.0	54.9	42.4	39.5	47.7	66.0	213.8	341.3	115.3	67.5	37.10	27.99
MEAN	1.87	1.83	1.37	1.27	1.64	2.13	7.13	11.0	3.84	2.18	1.20	.93
MAX	2.9	3.5	1.6	1.5	2.0	2.5	21	19	5.6	2.8	1.4	1.3
MIN	1.6	1.5	1.1	1.0	1.2	1.8	2.6	6.0	2.4	1.4	.95	.81
AC-FT	115	109	84	78	95	131	424	677	229	134	74	56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1992, BY WATER YEAR (WY)

MEAN	2.21	2.09	1.79	1.66	1.71	2.12	5.08	17.7	22.1	5.82	2.66	2.06
MAX	8.59	4.96	3.29	3.31	3.35	5.04	11.1	59.2	95.4	19.9	6.55	5.37
(WY)	1983	1983	1983	1983	1983	1983	1962	1984	1983	1983	1965	1965
MIN	1.25	1.26	1.04	.96	1.02	1.09	1.34	3.44	3.66	1.49	.98	.93
(WY)	1961	1991	1991	1960	1960	1991	1991	1989	1959	1959	1959	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1959 - 1992	
ANNUAL TOTAL	1747.49		1111.49			
ANNUAL MEAN	4.79		3.04		5.70	
HIGHEST ANNUAL MEAN					16.3	1983
LOWEST ANNUAL MEAN					2.07	1989
HIGHEST DAILY MEAN	52	Jun 13	21	Apr 29	156	Jun 1 1983
LOWEST DAILY MEAN	.90	Jan 21	.81	Sep 12	.70	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	.95	Mar 16	.85	Sep 9	.83	Aug 25 1960
ANNUAL RUNOFF (AC-FT)	3470		2200		4130	
10 PERCENT EXCEEDS	8.6		6.7		13	
50 PERCENT EXCEEDS	1.7		1.8		2.1	
90 PERCENT EXCEEDS	1.1		1.1		1.3	

e Estimated

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¼NW¼NW¼ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi².

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above NGVD of 1929, from topographic map. Prior to Aug. 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft³/s May 28, 1983; minimum, 0.14 ft³/s Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13 ft³/s May 8, gage height, 1.15 ft; minimum daily, 0.63 ft³/s Aug. 28.

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	1.3	1.3	1.1	e1.4	e.80	1.8	1.6	9.9	4.5	2.2	.86	1.3
2	1.2	1.2	1.2	e1.1	e.86	1.7	1.6	9.1	5.0	2.2	.90	.93
3	1.1	1.2	1.1	e.96	e.90	1.6	1.7	9.1	4.6	1.9	.84	.76
4	1.2	1.3	e1.0	e1.1	.92	1.6	1.8	9.4	4.3	1.8	.81	.76
5	1.2	1.4	e1.0	e.98	.92	1.6	2.2	10	4.1	1.6	.80	.82
6	1.2	1.6	e1.2	e.90	.92	1.5	2.3	11	4.0	1.6	.82	.83
7	1.2	1.4	e1.4	e1.2	.93	1.5	2.3	12	4.2	1.5	.77	.80
8	1.2	1.3	e1.2	e1.3	.96	1.4	2.4	12	3.9	1.5	.73	.79
9	1.1	1.3	1.1	e1.0	.97	1.4	2.4	12	3.7	1.4	.71	.77
10	1.1	1.3	e1.0	e.98	.99	1.4	2.5	10	3.5	1.4	.69	.77
11	1.1	1.3	1.1	e.80	1.0	1.4	2.7	9.1	3.4	1.5	.66	.76
12	1.1	1.2	1.2	e.90	1.0	1.5	2.8	8.5	3.1	1.6	.65	.75
13	1.1	1.2	1.2	e.83	1.0	1.5	3.0	8.0	3.3	1.4	.65	.74
14	1.2	1.2	1.1	e.78	1.1	1.5	3.2	8.0	3.2	1.3	.67	.73
15	1.1	1.3	1.1	e.95	1.1	1.6	4.1	7.9	3.6	1.2	.74	.71
16	1.1	1.4	1.0	e.95	1.0	1.7	4.2	7.7	3.2	1.1	1.3	.70
17	1.1	1.3	1.0	e1.0	1.1	1.7	4.7	7.6	3.0	1.1	.86	.70
18	1.2	1.3	.98	e1.0	1.1	1.6	4.8	7.5	2.8	1.1	.75	.69
19	1.2	1.3	.92	e1.1	1.0	1.6	4.6	7.5	2.6	1.1	.70	.71
20	1.2	1.3	.97	e1.2	1.6	1.6	4.5	7.2	2.5	1.1	.70	.72
21	1.2	1.2	1.1	e1.1	1.3	1.6	4.6	7.1	2.3	1.0	.66	.71
22	1.2	1.1	e1.2	e.98	1.2	1.6	4.9	6.7	2.2	.99	.67	.70
23	1.2	1.1	e1.1	e.86	1.1	1.7	4.6	6.4	2.2	.99	.69	.72
24	1.2	1.2	e1.0	e.94	1.2	1.6	4.5	6.1	2.1	.97	.70	.71
25	1.2	1.2	e1.2	e1.0	1.2	1.6	4.7	5.9	2.0	1.0	.69	.72
26	1.6	1.2	e1.0	e.98	1.3	1.6	5.0	6.1	2.3	.99	.68	.73
27	1.5	1.2	e1.1	e.88	1.5	1.7	5.9	5.6	2.1	.94	.66	.73
28	1.2	e1.0	e1.2	e.95	1.7	1.7	7.1	5.4	1.9	.95	.63	.71
29	1.2	e.80	e1.0	e.92	1.8	1.7	8.4	5.2	1.9	.86	.64	.69
30	1.5	e1.0	e.93	e.88	---	1.6	10	4.9	2.3	.84	.65	.69
31	1.3	---	e1.1	e.84	---	1.6	---	4.6	---	.83	1.2	---
TOTAL	37.5	37.10	33.80	30.76	32.47	49.2	119.1	247.5	93.8	39.96	23.48	22.85
MEAN	1.21	1.24	1.09	.99	1.12	1.59	3.97	7.98	3.13	1.29	.76	.76
MAX	1.6	1.6	1.4	1.4	1.8	1.8	10	12	5.0	2.2	1.3	1.3
MIN	1.1	.80	.92	.78	.80	1.4	1.6	4.6	1.9	.83	.63	.69
AC-FT	74	74	67	61	64	98	236	491	186	79	47	45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1992, BY WATER YEAR (WY)

MEAN	1.92	1.59	1.41	1.32	1.46	2.45	5.90	18.1	19.4	6.94	3.45	2.24
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.0	57.3	17.9	8.45	4.58
(WY)	1985	1983	1983	1980	1986	1986	1986	1980	1983	1983	1984	1984
MIN	.87	.81	.73	.78	.84	.85	1.15	3.40	3.13	1.29	.76	.76
(WY)	1991	1977	1977	1977	1977	1977	1991	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1972 - 1992	
ANNUAL TOTAL	1035.61		767.52			
ANNUAL MEAN	2.84		2.10		5.52	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1977
HIGHEST DAILY MEAN	31	Jun 5	12	May 7	150	May 28 1983
LOWEST DAILY MEAN	.76	Jan 2	.63	Aug 28	.50	Feb 8 1990
ANNUAL SEVEN-DAY MINIMUM	.86	Jan 1	.66	Aug 24	.66	Dec 4 1976
ANNUAL RUNOFF (AC-FT)	2050		1520		4000	
10 PERCENT EXCEEDS	6.6		4.9		13	
50 PERCENT EXCEEDS	1.2		1.2		2.0	
90 PERCENT EXCEEDS	.93		.74		1.0	

e Estimated

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

LOCATION (REVISED).--Lat 37°37'19", long 112°30'58", in SW¼SE¼NW¼ sec. 3, T. 37 S., R. 6 W., Garfield County, Hydrologic Unit 16030001, on left bank 0.5 mi upstream from West Hatch ditch diversion, 2 mi upstream from Spring Hollow, 4.5 mi upstream from mouth, and 5 mi southwest of Hatch.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. One small diversion for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft³/s June 19, 1983 from rating extended above 635 ft³/s, gage height, 5.13 ft; minimum recorded, 0.06 ft³/s Dec. 25, 1977, Jan. 1, 22, 1978, result of ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Aug. 14	1343	266	3.30	Aug. 15	1300	*406	*3.92 from floodmark

Minimum daily discharge, 2.5 ft³/s Jan. 31 - Feb. 6.

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	9.1	17	e6.5	e5.5	e2.5	e10	8.0	141	138	33	19	17
2	8.9	9.2	e6.2	e5.8	e2.5	e10	7.7	152	125	33	18	16
3	8.9	10	e6.2	e6.4	e2.5	e9.5	7.6	158	129	31	18	15
4	8.9	9.1	e6.0	e7.0	e2.5	e8.2	7.8	172	112	30	24	15
5	9.0	8.5	e6.1	e7.7	e2.5	e7.0	7.9	170	105	28	21	15
6	8.8	8.4	e6.4	e7.7	e2.5	e6.0	7.8	182	98	27	21	14
7	8.4	8.5	e6.7	e7.3	e2.7	e5.4	8.1	194	90	29	19	14
8	8.3	8.3	e7.0	e7.0	e2.9	e5.2	8.7	186	87	28	18	14
9	8.4	8.2	e7.0	e6.8	e3.1	e5.0	9.2	205	79	27	18	14
10	8.2	8.3	e7.0	e7.0	e3.3	e5.0	10	224	73	25	17	14
11	8.1	8.2	e6.1	e7.5	e3.6	e5.0	12	218	70	25	18	13
12	8.1	8.0	e6.0	e8.5	e3.9	e5.1	14	211	66	24	17	13
13	8.2	7.7	e5.8	e8.1	e4.2	e5.3	17	218	62	25	17	13
14	8.1	8.3	e5.7	e7.7	e4.6	e5.5	19	210	59	25	35	13
15	8.0	9.2	e5.6	e7.4	e5.0	e5.3	21	199	57	24	30	13
16	7.9	9.2	e6.0	e7.2	e5.4	e5.1	21	173	56	23	17	13
17	7.9	9.0	e6.4	e7.1	e5.9	e5.1	18	156	54	24	17	13
18	7.9	8.8	e6.7	e6.9	e5.3	e4.9	24	154	50	23	16	13
19	7.8	11	e7.5	e6.5	e6.0	e4.9	30	148	46	22	16	13
20	7.9	14	e7.0	e6.0	e7.0	e4.9	23	140	44	22	15	13
21	8.1	12	e6.5	e5.5	e8.0	e5.0	21	137	42	21	15	13
22	8.4	10	e6.0	e5.0	e8.5	e5.2	24	124	40	21	16	13
23	8.8	13	e5.8	e4.6	e9.0	e5.5	27	115	38	21	29	12
24	9.2	12	e5.6	e4.2	e9.5	5.5	30	125	37	21	19	12
25	9.2	9.7	e5.6	e3.8	e9.8	5.9	36	124	37	21	18	12
26	9.1	9.7	e5.6	e3.5	e10	5.9	44	124	36	21	17	12
27	11	11	e5.8	e3.0	e10	6.8	50	155	36	21	16	12
28	9.2	8.4	e6.0	e2.8	e9.6	6.8	65	155	34	21	16	12
29	12	e7.9	e6.5	e2.7	e9.6	7.0	95	171	33	20	15	11
30	11	e7.0	e6.7	e2.6	---	7.3	117	174	33	20	15	11
31	12	---	e6.3	e2.5	---	7.5	---	158	---	20	17	---
TOTAL	274.8	289.6	194.3	181.3	161.9	190.8	790.8	5173	1966	756	584	398
MEAN	8.86	9.65	6.27	5.85	5.58	6.15	26.4	167	65.5	24.4	18.8	13.3
MAX	12	17	7.5	8.5	10	10	117	224	138	33	35	17
MIN	7.8	7.0	5.6	2.5	2.5	4.9	7.6	115	33	20	15	11
AC-FT	545	574	385	360	321	378	1570	10260	3900	1500	1160	789

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	21.0	17.4	14.0	11.6	11.5	12.7	29.6	174	170	57.7	33.1	25.0
MAX	56.8	44.5	34.9	24.2	23.0	24.7	75.4	373	616	284	105	65.1
(WY)	1984	1984	1984	1984	1973	1973	1985	1969	1983	1983	1983	1983
MIN	4.35	3.98	4.39	2.91	3.36	4.28	6.19	9.69	12.5	10.3	7.60	5.64
(WY)	1978	1978	1978	1978	1978	1991	1991	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	7422.9		10960.5			
ANNUAL MEAN	20.3		29.9		48.3	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					9.99	1977
HIGHEST DAILY MEAN	202	May 27	224	May 10	720	Jun 19 1983
LOWEST DAILY MEAN	2.7	Jan 26	2.5	Jan 31	1.1	Nov 20 1977
ANNUAL SEVEN-DAY MINIMUM	2.9	Jan 24	2.5	Jan 31	1.9	Jan 1 1978
ANNUAL RUNOFF (AC-FT)	14720		21740		34980	
10 PERCENT EXCEEDS	46		107		115	
50 PERCENT EXCEEDS	8.4		11		19	
90 PERCENT EXCEEDS	4.0		5.2		7.4	

e Estimated

10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in $SW^1/_4SW^1/_4NW^1/_4$ sec. 28, T. 36 S., R. 5 W., Garfield County, Hydrologic Unit 16030001, on right bank at highway bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

REVISED RECORDS.--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,870 ft above NGVD of 1929, from river-profile map. See WSP 1734 for history of changes prior to Oct. 4, 1949. Relocated at present site Aug. 22, 1978.

REMARKS.--Records good except for estimated daily discharges, which are poor. Small diversions for irrigation above station. No regulation since Hatchtown Dam failed in 1914.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,490 ft^3/s May 26, 1922, gage height, 5.25 ft, datum then in use; minimum daily, 10 ft^3/s for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 ft^3/s Sept. 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 11	0330	*296	*1.90	No peaks greater than base discharge.			

Minimum daily, 37 ft^3/s for several days in October.

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	38	48	e43	45	e50	58	55	200	185	70	58	57
2	37	48	e42	e46	e50	57	51	217	172	71	57	58
3	37	48	e43	e46	e48	59	50	224	173	71	60	56
4	37	50	e42	45	e48	54	49	219	160	69	61	54
5	39	50	e43	45	e47	53	49	222	150	68	62	53
6	38	50	e43	46	e47	52	50	235	145	67	64	52
7	39	49	e42	e46	47	50	53	246	140	67	61	52
8	37	47	e42	e45	46	49	56	252	137	69	57	52
9	38	47	e42	e45	48	45	58	262	132	68	55	51
10	38	48	e42	e44	49	44	66	275	123	64	55	50
11	39	49	e42	e45	48	46	77	271	120	62	57	51
12	39	48	e42	e46	47	47	82	255	115	61	54	50
13	39	48	e42	e43	50	48	88	261	111	63	55	51
14	38	49	e42	e45	47	49	96	261	105	64	70	52
15	38	52	e45	e47	47	49	98	252	101	64	69	50
16	38	52	e45	e45	48	50	99	231	97	62	58	50
17	40	49	e45	e45	46	50	87	214	92	65	59	49
18	37	51	45	e47	e46	47	96	210	90	63	54	49
19	37	48	46	e45	45	46	106	199	84	63	55	51
20	37	47	44	e44	46	45	98	196	82	63	51	50
21	38	50	44	e44	47	46	91	199	79	62	50	49
22	40	47	45	e45	49	46	99	184	77	63	55	49
23	41	52	45	e46	50	46	102	175	77	61	125	49
24	47	48	45	e48	48	45	103	185	75	62	67	49
25	45	48	47	e50	49	44	105	188	75	62	64	48
26	45	48	e46	e48	50	44	114	188	74	61	61	48
27	52	46	e45	e47	50	48	125	209	73	62	57	51
28	48	e45	e45	e47	51	49	138	200	72	62	59	50
29	46	e44	e44	e45	55	49	163	214	70	59	58	49
30	47	e43	44	e50	---	51	182	218	69	59	58	47
31	47	---	45	e50	---	53	---	208	---	59	61	---
TOTAL	1256	1449	1357	1425	1399	1519	2686	6870	3255	1986	1887	1527
MEAN	40.5	48.3	43.8	46.0	48.2	49.0	89.5	222	108	64.1	60.9	50.9
MAX	52	52	47	50	55	59	182	275	185	71	125	58
MIN	37	43	42	43	45	44	49	175	69	59	50	47
AC-FT	2490	2870	2690	2830	2770	3010	5330	13630	6460	3940	3740	3030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1992, BY WATER YEAR (WY)

MEAN	67.9	66.5	61.5	55.8	59.4	65.8	113	297	239	108	82.8	70.9
MAX	152	129	108	101	105	106	285	783	1071	430	228	154
(WY)	1984	1984	1984	1984	1962	1962	1942	1969	1983	1983	1983	1983
MIN	36.8	36.9	36.2	37.1	36.6	38.5	44.0	40.8	44.2	38.1	30.4	28.3
(WY)	1978	1978	1957	1991	1978	1957	1957	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1940 - 1992	
ANNUAL TOTAL	21101		26616			
ANNUAL MEAN	57.8		72.7		107	
HIGHEST ANNUAL MEAN					251	1983
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	238	May 28	275	May 10	1340	Jun 2 1983
LOWEST DAILY MEAN	28	Jan 1	37	Oct 2	21	Sep 8 1977
ANNUAL SEVEN-DAY MINIMUM	31	Jan 25	38	Oct 2	23	Aug 30 1977
ANNUAL RUNOFF (AC-FT)	41850		52790		77870	
10 PERCENT EXCEEDS	92		161		201	
50 PERCENT EXCEEDS	46		50		68	
90 PERCENT EXCEEDS	38		43		44	

e Estimated

10174500 SEVIER RIVER AT HATCH, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1985 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: January 1985 to current year.

EXTREMES FOR PERIOD OF RECORD:
SEDIMENT CONCENTRATIONS: Maximum daily mean, 9,100 mg/L July 18, 1990; minimum daily mean, 5 mg/L several days during July, 1986, Oct. 11, Nov. 4, 1989.
SEDIMENT LOADS: Maximum daily, 1,900 tons Aug. 23, 1987; minimum daily, 0.62 tons Oct. 11, 1989.

EXTREMES FOR CURRENT YEAR:
SEDIMENT CONCENTRATIONS: Maximum daily mean, 1,600 mg/L Aug. 15; minimum daily mean, 7 mg/L July 25.
SEDIMENT LOADS: Maximum daily, 372 tons Aug. 15; minimum daily, 1.2 tons July 25.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	OCTOBER MEAN CONCEN-TRATION (MG/L)	OCTOBER LOAD (TONS/ DAY)	NOVEMBER MEAN CONCEN-TRATION (MG/L)	NOVEMBER LOAD (TONS/ DAY)	DECEMBER MEAN CONCEN-TRATION (MG/L)	DECEMBER LOAD (TONS/ DAY)	JANUARY MEAN CONCEN-TRATION (MG/L)	JANUARY LOAD (TONS/ DAY)	FEBRUARY MEAN CONCEN-TRATION (MG/L)	FEBRUARY LOAD (TONS/ DAY)	MARCH MEAN CONCEN-TRATION (MG/L)	MARCH LOAD (TONS/ DAY)
1	38	3.9	43	5.6	29	e3.4	43	5.2	111	e15	135	21
2	40	4.0	35	4.5	29	e3.3	68	e8.4	112	e15	147	23
3	45	4.5	37	4.8	31	e3.6	77	e9.6	113	e15	175	28
4	48	4.8	35	4.7	31	e3.5	66	8.0	110	e14	133	19
5	52	5.5	28	3.8	31	e3.6	52	6.3	107	e14	117	17
6	50	5.1	28	3.8	31	e3.6	58	7.2	95	e12	113	16
7	52	5.5	32	4.2	31	e3.5	68	e8.4	105	13	105	14
8	50	5.0	40	5.1	31	e3.5	76	e9.2	98	12	106	14
9	51	5.2	38	4.8	31	e3.5	83	e10	106	14	94	11
10	52	5.3	32	4.1	31	e3.5	86	e10	119	16	96	11
11	52	5.5	26	3.4	31	e3.5	88	e11	171	22	95	12
12	56	5.9	25	3.2	32	e3.5	113	e14	122	15	113	14
13	57	6.0	26	3.4	43	e3.5	176	e20	96	13	102	13
14	58	6.0	27	3.6	57	e3.5	192	e23	102	13	92	12
15	59	6.1	35	4.9	58	e7.0	188	e24	100	13	111	15
16	59	6.1	32	4.5	52	6.3	146	e18	92	12	123	17
17	65	7.0	29	3.8	45	5.5	166	e20	94	12	127	17
18	66	6.6	30	4.1	39	4.7	111	e14	104	e13	120	15
19	68	6.8	29	3.8	33	4.1	105	e13	112	14	114	14
20	68	6.8	29	3.7	32	3.8	164	e19	126	16	89	11
21	72	7.4	29	3.9	33	3.9	244	e29	156	20	83	10
22	76	8.2	30	3.8	35	4.3	216	e26	165	22	100	12
23	59	6.5	30	4.2	41	5.0	244	e30	164	22	93	12
24	70	8.9	30	3.9	39	4.7	143	e19	162	21	85	10
25	92	11	31	4.0	38	4.8	82	e11	157	21	86	10
26	74	9.0	30	3.9	40	e5.0	78	e10	144	19	89	11
27	120	17	30	3.7	40	e4.9	81	e10	131	18	108	14
28	69	8.9	30	e3.6	35	e4.3	94	e12	123	17	125	17
29	59	7.3	29	e3.4	36	e4.3	101	e12	122	18	111	15
30	56	7.1	29	e3.4	47	5.6	112	e15	---	---	122	17
31	49	6.2	---	---	47	5.7	106	e14	---	---	136	19
TOTAL	---	209.1	---	121.6	---	132.9	---	446.3	---	461	---	461

DAY	APRIL MEAN CONCEN-TRATION (MG/L)	APRIL LOAD (TONS/ DAY)	MAY MEAN CONCEN-TRATION (MG/L)	MAY LOAD (TONS/ DAY)	JUNE MEAN CONCEN-TRATION (MG/L)	JUNE LOAD (TONS/ DAY)	JULY MEAN CONCEN-TRATION (MG/L)	JULY LOAD (TONS/ DAY)	AUGUST MEAN CONCEN-TRATION (MG/L)	AUGUST LOAD (TONS/ DAY)	SEPTEMBER MEAN CONCEN-TRATION (MG/L)	SEPTEMBER LOAD (TONS/ DAY)
1	167	25	458	247	81	40	25	4.7	12	1.9	35	5.4
2	112	15	e392	e230	70	33	36	6.9	12	1.8	36	5.6
3	104	14	242	146	77	36	44	8.4	51	8.3	29	4.4
4	78	10	246	145	71	31	38	7.1	141	23	22	3.2
5	76	10	228	137	70	28	38	7.0	314	53	19	2.7
6	83	11	232	147	70	27	35	6.3	387	69	17	2.4
7	107	15	231	153	65	25	35	6.3	570	96	17	2.4
8	134	20	194	132	62	23	53	9.9	135	21	17	2.4
9	142	22	215	152	60	21	44	8.1	69	10	16	2.2
10	233	42	264	196	54	18	23	4.0	55	8.2	15	2.0
11	390	81	241	176	74	24	26	4.4	64	9.8	13	1.8
12	430	95	205	141	66	20	39	6.4	66	9.6	12	1.6
13	471	112	198	140	51	15	32	5.4	79	12	12	1.7
14	509	132	162	114	42	12	22	3.8	1040	249	15	2.1
15	429	114	148	101	38	10	10	1.7	1600	372	12	1.6
16	382	102	136	85	34	8.9	18	3.0	322	50	14	1.9
17	270	63	125	72	29	7.2	35	6.1	168	27	16	2.1
18	339	88	102	58	32	7.8	36	6.1	100	15	15	2.0
19	332	95	101	54	26	5.9	29	4.9	77	11	23	3.2
20	220	58	102	54	25	5.5	24	4.1	58	8.0	24	3.2
21	202	50	106	57	22	4.7	10	1.7	42	5.7	21	2.8
22	284	76	93	46	20	4.2	10	1.7	50	7.4	15	2.0
23	296	82	89	42	25	5.2	12	2.0	251	74	12	1.6
24	241	67	108	54	25	5.1	16	2.7	175	32	11	1.5
25	233	66	110	56	24	4.9	7	1.2	166	29	11	1.4
26	284	87	112	57	24	4.8	12	2.0	157	26	11	1.4
27	284	96	e139	e78	22	4.3	14	2.3	128	20	23	3.2
28	297	111	99	53	22	4.3	15	2.5	129	21	21	2.8
29	439	193	126	73	21	4.0	12	1.9	86	13	14	1.9
30	442	217	121	71	22	4.1	11	1.8	48	7.5	11	1.4
31	---	---	105	59	---	---	12	1.9	71	12	---	---
TOTAL	---	2169	---	3326	---	443.9	---	136.3	---	1303.2	---	73.9

YEAR 9284.2

e Estimated

10180000 SEVIER RIVER NEAR CIRCLEVILLE, UT

LOCATION.--Lat 38°06'15", long 112°20'08", in NE¼SW¼NW¼ sec. 20, T. 31 S., R. 4 W., Garfield County, Hydrologic Unit 16030001, on left bank 2 mi upstream from Pine Creek and 6 mi southwest of Circleville.

DRAINAGE AREA.--986 mi².

PERIOD OF RECORD.--May to September 1912, April 1914 to September 1927 (fragmentary 1923, 1925-57), October 1949 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 1180: 1922(M). WSP 1314: 1916. WRD UT-75-1: 1969. WDR UT-78-1: Drainage area. WDR UT-83-1: 1972(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above NGVD of 1929, from river-profile map. May 10 to Sept. 19, 1912, nonrecording gage at site 300 ft upstream at different datum. Apr. 23, 1914 to Sept. 30, 1927, and Nov. 21, 1949 to Aug. 6, 1954, water-stage recorder at site 300 ft upstream at datum 0.23 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions above and below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980 ft³/s Dec. 26, 1971, June 2, 1983, gage height, 7.06 ft; maximum gage height, 9.80 ft, May 21, 1922, site and datum then in use; minimum daily, 18 ft³/s June 30, July 1, 5, 1960, June 23, 1961.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1938 may have exceeded that of June 2, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 305 ft³/s Aug. 21, gage height, 2.53 ft; minimum daily discharge, 30 ft³/s June 30, July 1, 5, 6.

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	43	87	82	e90	e70	118	93	132	180	30	33	59
2	41	91	98	e90	e75	123	87	146	151	31	35	47
3	41	94	101	e90	e75	137	81	154	141	31	34	49
4	42	96	98	e85	e75	134	80	160	135	32	33	49
5	42	97	100	e85	e80	125	85	167	125	30	36	44
6	44	99	101	e90	e80	123	89	173	124	30	62	42
7	42	97	100	e95	e80	124	88	176	112	32	63	44
8	44	95	102	e90	e80	125	77	183	112	36	57	43
9	50	94	103	e85	e85	120	78	188	102	34	53	41
10	48	93	101	e80	e90	110	72	204	102	34	44	41
11	46	92	103	e75	e95	107	68	214	92	38	47	41
12	43	88	101	e70	e95	108	72	203	82	38	41	40
13	44	89	96	e65	e100	111	75	201	70	46	41	44
14	43	89	95	e60	e100	113	86	199	79	37	49	40
15	43	93	96	e60	e100	114	92	197	70	33	64	40
16	45	97	96	e60	e100	101	89	195	71	31	53	42
17	49	101	98	e60	e95	95	79	180	68	35	47	63
18	47	112	99	e60	e100	88	75	165	66	37	41	48
19	49	113	101	e65	e105	85	75	158	59	42	38	53
20	50	105	98	e65	e105	83	81	163	50	37	38	50
21	48	108	99	e70	e105	84	70	172	43	35	79	49
22	48	107	96	e70	e110	85	63	184	39	33	54	43
23	53	101	95	e70	e115	85	60	156	43	33	79	41
24	56	97	96	e70	e120	87	53	148	46	34	131	45
25	52	103	95	e70	e118	85	49	156	42	41	62	41
26	50	109	e96	e65	117	82	70	171	43	39	58	42
27	53	108	e96	e65	114	82	67	192	47	37	59	44
28	56	108	e95	e70	114	93	79	185	37	35	52	42
29	62	101	e95	e66	117	91	85	182	38	33	46	40
30	65	97	e95	e70	---	87	108	222	30	32	45	40
31	79	---	e90	e70	---	90	---	202	---	32	78	---
TOTAL	1518	2961	3017	2276	2815	3195	2326	5528	2399	1078	1652	1347
MEAN	49.0	98.7	97.3	73.4	97.1	103	77.5	178	80.0	34.8	53.3	44.9
MAX	79	113	103	95	120	137	108	222	180	46	131	63
MIN	41	87	82	60	70	82	49	132	30	30	33	40
AC-FT	3010	5870	5980	4510	5580	6340	4610	10960	4760	2140	3280	2670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

MEAN	94.5	120	122	111	122	129	133	237	191	86.6	80.8	79.0
MAX	233	221	226	185	192	199	309	770	1193	420	295	189
(WY)	1984	1984	1984	1984	1980	1966	1962	1983	1983	1983	1983	1967
MIN	37.9	68.3	86.4	73.4	85.9	68.7	41.3	35.4	24.8	22.7	24.8	28.9
(WY)	1956	1957	1952	1992	1964	1957	1956	1977	1960	1955	1960	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	24979		30112			
ANNUAL MEAN	68.4		82.3		125	
HIGHEST ANNUAL MEAN					337	1983
LOWEST ANNUAL MEAN					62.4	1956
HIGHEST DAILY MEAN	171	May 31	222	May 30	1880	Jun 2 1983
LOWEST DAILY MEAN	29	Jul 3	30	Jun 30	18	Jun 30 1960
ANNUAL SEVEN-DAY MINIMUM	31	Jul 27	31	Jun 30	19	Jun 29 1960
ANNUAL RUNOFF (AC-FT)	49550		59730		90910	
10 PERCENT EXCEEDS	102		133		198	
50 PERCENT EXCEEDS	64		80		102	
90 PERCENT EXCEEDS	36		38		40	

e Estimated

10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in SE¼NE¼NW¼ sec. 16, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030001, on left bank 1,000 ft upstream from bridge on State Highway 62, 1.1 mi west of Kingston, and 1.9 mi upstream from East Fork.

DRAINAGE AREA.--1,131 mi².

PERIOD OF RECORD.--June 1914 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,980 ft above NGVD of 1929, from river-profile map. Prior to Sept. 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft³/s (including estimated flow of 360 ft³/s in overflow channel bypassing station), Mar. 4, 1938, gage height, 5.20 ft from rating curve extended above 600 ft³/s; minimum daily discharge, 1.6 ft³/s July 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 166 ft³/s Mar. 4, gage height, 1.46 ft.; minimum daily discharge, 9.4 ft³/s July 26, 27, 31.

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	13	18	88	127	114	139	97	24	105	e16	9.7	16
2	14	23	101	117	117	141	78	49	72	17	9.7	15
3	13	26	118	105	116	156	63	60	51	16	9.7	14
4	13	27	122	126	119	162	50	72	67	14	9.7	14
5	13	27	124	129	119	151	45	81	68	15	12	13
6	12	24	125	129	121	143	46	86	58	14	15	13
7	12	27	129	132	123	145	42	93	51	13	14	13
8	12	28	131	121	125	154	40	101	43	16	14	13
9	12	30	134	118	130	157	40	108	38	16	15	13
10	12	32	134	116	136	147	39	128	31	15	15	13
11	12	29	134	113	136	140	39	142	28	15	14	15
12	11	29	132	117	134	136	38	133	24	14	14	13
13	11	28	128	102	136	135	36	131	19	15	13	12
14	11	28	120	107	136	136	34	128	14	15	13	12
15	11	31	119	117	132	137	31	123	e14	15	14	12
16	12	50	122	113	133	123	30	122	e13	14	14	13
17	12	86	125	113	132	120	28	112	e13	14	13	14
18	12	104	133	117	127	118	25	91	13	16	12	14
19	12	108	136	112	126	114	23	82	14	17	11	15
20	11	103	131	100	130	112	20	88	14	17	11	15
21	11	98	136	109	129	108	17	93	12	17	11	15
22	15	100	133	110	134	106	15	113	12	15	23	15
23	14	98	130	111	140	105	15	91	e12	12	13	18
24	15	95	131	111	133	111	14	76	e12	11	38	18
25	17	101	125	113	130	115	13	77	e13	9.9	18	18
26	17	110	122	114	129	100	12	93	e13	9.4	18	17
27	19	107	119	114	130	95	12	116	e14	9.4	15	17
28	20	106	122	113	133	112	11	118	e15	10	13	17
29	20	109	122	113	139	111	10	78	e15	10	13	16
30	19	113	126	114	---	104	11	121	e16	10	13	16
31	18	---	129	113	---	110	---	119	---	9.4	15	---
TOTAL	426	1895	3881	3566	3739	3943	974	3049	884	427.1	442.8	439
MEAN	13.7	63.2	125	115	129	127	32.5	98.4	29.5	13.8	14.3	14.6
MAX	20	113	136	132	140	162	97	142	105	17	38	18
MIN	11	18	88	100	114	95	10	24	12	9.4	9.7	12
AC-FT	845	3760	7700	7070	7420	7820	1930	6050	1750	847	878	871

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1992, BY WATER YEAR (WY)

MEAN	84.3	130	144	132	154	170	158	224	150	45.9	52.9	59.9
MAX	319	237	252	218	259	330	507	1154	1139	292	315	232
(WY)	1917	1984	1984	1984	1924	1921	1916	1922	1983	1983	1916	1921
MIN	6.90	29.6	34.3	45.0	74.7	65.5	16.3	8.73	7.44	4.89	5.36	7.01
(WY)	1961	1932	1932	1932	1932	1957	1963	1959	1974	1971	1960	1960

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915 - 1992	
ANNUAL TOTAL	18569.6		23665.9			
ANNUAL MEAN	50.9		64.7		125	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	150	Feb 17	162	Mar 4	1560	Jun 3 1983
LOWEST DAILY MEAN	6.7	Aug 12	9.4	Jul 26	1.6	Jul 24 1963
ANNUAL SEVEN-DAY MINIMUM	6.7	Aug 12	9.7	Jul 26	2.9	Jul 22 1963
ANNUAL RUNOFF (AC-FT)	36830		46940		90660	
10 PERCENT EXCEEDS	121		132		226	
50 PERCENT EXCEEDS	21		40		111	
90 PERCENT EXCEEDS	9.4		12		12	

e Estimated

10183900 EAST FORK SEVIER RIVER NEAR RUBYS INN, UT

LOCATION.--Lat 37°34'33", long 112°15'54", in NE¼SE¼NW¼ sec. 19, T. 37 S., R. 4 W., Garfield County, Hydrologic Unit 16030002, Dixie National Forest, on left bank about 100 ft upstream from highway bridge, 0.6 mi downstream from Skunk Creek, 3.6 mi upstream from Tropic Reservoir Dam, 9.1 mi southwest of Rubys Inn, and 10.5 mi southeast of Hatch.

DRAINAGE AREA.--71.6 mi².

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR UT-74-1: 1973.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,860 ft above NGVD of 1929, from river-profile map. Prior to October 10, 1966, on right bank at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 448 ft³/s May 23, 1980, gage height, 3.70 ft (revised); no flow for several days in February and March 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 11	2130	*70	*2.62	May 27	0200	56	2.53

Minimum daily, 4.2 ft³/s, Oct. 16, 19, Jan. 21, 22.

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	5.1	e11	e7.1	e5.0	e5.6	e12	e27	32	17	6.1	6.1	15
2	4.7	e11	e5.5	e5.0	e5.4	e14	27	30	15	6.4	5.9	9.1
3	4.6	e10	e6.3	e5.0	e5.8	e16	31	29	16	6.1	5.2	7.6
4	4.4	e10	e7.0	e6.0	e5.5	e15	35	28	14	5.8	5.2	7.3
5	4.3	e9.7	e7.1	e6.6	e5.0	e15	40	27	13	5.4	7.1	6.9
6	4.3	e8.8	e7.8	e6.5	e5.0	e14	49	27	13	5.1	11	6.5
7	4.3	8.6	e8.1	e6.5	e5.8	e15	49	27	12	5.1	13	6.1
8	4.4	7.9	e7.9	e6.0	e6.5	e15	48	27	12	6.7	7.4	5.6
9	4.5	7.8	e7.2	e5.0	e7.0	e16	49	27	14	8.4	5.9	5.5
10	4.4	8.0	e6.9	e4.8	e7.4	e17	54	23	13	6.9	5.4	5.3
11	4.4	7.7	e6.2	e5.0	e7.0	e16	56	21	13	7.0	5.5	5.1
12	4.4	6.8	e5.0	e6.0	e6.6	e15	55	20	11	7.7	6.0	5.2
13	4.5	6.7	e5.2	e5.7	e7.5	e16	55	19	9.9	9.2	5.2	5.0
14	4.3	7.1	e5.7	e5.1	e8.9	e18	56	18	10	7.8	5.6	4.9
15	4.3	5.1	e6.0	e5.5	e10	e17	51	17	10	7.0	5.1	5.2
16	4.2	11	e6.0	e5.0	e9.1	e18	45	16	9.6	6.3	5.7	7.0
17	4.3	12	e6.0	e4.7	e8.1	e18	49	15	9.5	6.3	6.0	7.6
18	4.4	9.6	e6.5	e4.9	e8.0	e18	54	14	9.2	7.3	6.1	7.4
19	4.2	8.8	e6.8	e4.8	e8.9	e17	42	14	8.5	7.0	6.1	11
20	4.3	11	e6.2	e4.3	e10	e17	40	21	8.2	5.8	5.3	8.0
21	4.4	10	e6.0	e4.2	e9.0	e19	40	29	7.9	4.9	4.9	6.7
22	4.6	8.0	e5.9	e4.2	e10	e23	44	23	7.9	e4.4	7.4	6.2
23	6.2	8.9	e6.0	e4.3	e11	e23	43	18	8.2	e5.3	19	6.0
24	11	11	e5.9	e4.4	e10	e20	41	28	8.5	5.3	11	6.0
25	13	11	e5.8	e4.9	e11	e21	40	20	8.6	9.3	8.2	5.5
26	10	12	e5.6	e5.4	e9.9	e22	39	20	8.1	7.4	10	5.4
27	11	11	e5.4	e5.3	e9.8	e23	37	33	8.0	6.9	7.7	5.5
28	e12	9.4	e5.3	e5.1	e10	e24	36	20	7.5	6.4	6.4	5.6
29	e14	8.6	e5.5	e4.9	e10	e26	35	22	6.6	5.7	5.8	5.5
30	e12	e9.2	e6.3	e4.9	---	e27	34	24	6.3	5.5	5.9	5.7
31	e11	---	e6.1	e5.0	---	e27	---	22	---	5.7	18	---
TOTAL	197.5	277.7	194.3	160.0	233.8	574	1301	711	315.5	200.2	233.1	199.4
MEAN	6.37	9.26	6.27	5.16	8.06	18.5	43.4	22.9	10.5	6.46	7.52	6.65
MAX	14	12	8.1	6.6	11	27	56	33	17	9.3	19	15
MIN	4.2	5.1	5.0	4.2	5.0	12	27	14	6.3	4.4	4.9	4.9
AC-FT	392	551	385	317	464	1140	2580	1410	626	397	462	396

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1992, BY WATER YEAR (WY)

MEAN	9.95	10.3	8.84	8.08	9.61	15.0	34.7	51.7	22.2	10.1	9.37	8.75
MAX	17.0	18.2	24.3	18.3	15.2	24.5	76.2	225	117	32.2	24.6	17.9
(WY)	1984	1988	1967	1984	1963	1989	1962	1980	1980	1980	1983	1983
MIN	3.83	3.79	3.87	3.48	2.24	1.97	7.60	6.26	3.85	2.62	3.91	3.87
(WY)	1965	1965	1965	1990	1964	1964	1977	1972	1990	1963	1962	1964

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1962 - 1992	
ANNUAL TOTAL	3768.3		4597.5			
ANNUAL MEAN	10.3		12.6		16.6	
HIGHEST ANNUAL MEAN					45.0	1980
LOWEST ANNUAL MEAN					6.07	1977
HIGHEST DAILY MEAN	36	Apr 8	56	Apr 11	418	May 23 1980
LOWEST DAILY MEAN	3.9	Jul 17	4.2	Oct 16	.00	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	4.2	Jul 24	4.3	Oct 14	.00	Feb 26 1964
ANNUAL RUNOFF (AC-FT)	7470		9120		12010	
10 PERCENT EXCEEDS	23		27		30	
50 PERCENT EXCEEDS	8.0		7.8		9.8	
90 PERCENT EXCEEDS	4.4		4.9		4.6	

e Estimated

10188000 OTTER CREEK RESERVOIR NEAR ANTIMONY, UT

LOCATION.--Lat 38°10'15", long 112°01'25", in NW¼SW¼NW¼ sec. 28, T. 30 S., R. 2 W., Piute County, Hydrologic Unit 16030002, near spillway on right side of dam on Otter Creek, 3.7 mi northwest of Antimony and 9.3 mi east of Kingston.

DRAINAGE AREA.--373 mi².

PERIOD OF RECORD.--January 1914 to September 1915, January 1934 to current year. Published as "near Coyote" 1914.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Staff gage read intermittently and on last day of each month. Datum of gage is 6,338 ft (revised) above NGVD of 1929 (from elevation data provided by State Engineer's Office).

REMARKS.--Reservoir was formed in 1898 by a 15-ft earthfill, rock-faced dam which was raised some each year to the ultimate height of 42 ft (revised) in 1915. The dam has a concrete core through the center. Capacity, 52,700 acre-ft between elevation 6,338 ft (bottom of outlet gage) and 6,374 ft (top of flashboards on spillway). At times, additional flashboards are added or surcharge occurs increasing the elevation to 6,375 ft (revised), capacity, 55,200 acre-ft. Spillway crest is at elevation 6,371.5 ft. Figures given herein represent total contents. Reservoir stores water from Otter Creek and also water diverted from East Fork Sevier River, for irrigation in Sevier River basin.

COOPERATION.--Elevation record provided by Upper Sevier River Commissioner. Revised capacity table, based on Soil Conservation Service survey in 1960, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 56,760 acre-ft May 31, 1982, elevation, 6,375.6 ft (revised); minimum observed, 200 acre-ft Sept. 10, 1956, elevation, 6,339.0 ft (revised).

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 37,700 acre-ft May 7, elevation, 6,367.6 ft; minimum observed, 2,280 acre-ft Sept. 30, elevation, 6,343.8 ft.

CORRECTIONS.--Elevation figures published for 1991 Water Year were published in reference to datum 12 ft higher than current datum.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	6,348.9	6,870	--
Oct. 31	6,350.3	8,530	+1,660
Nov. 30	6,354.0	13,470	+4,940
Dec. 31	6,356.8	17,650	+4,180
CAL YR 1991	--	--	+1,530
Jan. 31	6,359.5	22,090	+4,440
Feb. 29	6,362.0	26,530	+4,440
Mar. 31	6,364.9	32,080	+5,550
Apr. 30	6,367.2	36,840	+4,760
May 31	6,363.9	30,130	-6,710
June 30	6,356.6	17,340	-12,790
July 31	6,351.2	9,670	-7,670
Aug. 31	6,345.0	3,140	-6,530
Sept. 30	6,343.8	2,280	-860
WTR YR 1992	--	--	-4,590

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'49", long 112°09'01", in NW¼SW¼SE¼ sec. 13, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030002, on left bank 1,500 ft upstream from bridge on State Highway 22, 2.2 mi east of Kingston, 4.6 mi upstream from mouth, and 10 mi downstream from Otter Creek.

DRAINAGE AREA.--1,207 mi².

PERIOD OF RECORD.--March 1913 to current year.

REVISED RECORDS.--WSP 750: 1931-32. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above NGVD of 1929, from river-profile map. Prior to Apr. 29, 1914, staff gage at site 0.5 mi upstream at different datum. Apr. 29, 1914 to June 2, 1939, water-stage recorder at site 4,000 ft downstream at different datum. June 3, 1939 to July 29, 1970, water-stage recorder at site 2,500 ft downstream at different datum. July 30, 1970 to July 12, 1983, water stage recorder 60 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above and below station. Also diversion upstream for storage in Otter Creek Reservoir (see station 10188000); flow regulated by reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,030 ft³/s May 12, 1941, gage height, 5.05 ft; maximum gage height, 7.35 ft, Aug. 27, 1929, site and datum then in use; minimum, 1.0 ft³/s Jan. 25, 1976, gage height, 0.52 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 252 ft³/s at 1100 hrs, May 24, gage height, 2.14 ft; minimum daily discharge, 6.5 ft³/s Feb. 10.

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	17	16	e9.7	e9.1	e8.1	14	19	43	221	205	157	51
2	17	15	e9.7	e9.2	e8.2	14	16	38	216	203	159	51
3	17	14	e9.8	e9.5	e8.2	16	16	45	219	200	157	51
4	15	14	e10	e9.7	e8.2	17	16	46	221	197	156	50
5	9.0	14	e10	e9.8	e8.3	17	15	47	223	196	154	50
6	7.6	14	e10	e9.8	7.8	21	14	47	221	192	154	49
7	7.5	14	e10	e9.4	6.7	39	14	46	218	190	153	50
8	9.7	14	e10	e9.3	6.7	23	14	124	220	190	151	54
9	9.9	22	e10	e9.1	6.6	31	14	139	215	184	151	53
10	10	30	e10	e9.2	6.5	23	14	145	220	121	152	52
11	12	28	e10	e9.4	7.7	17	12	146	221	115	151	53
12	6.8	27	e10	e9.4	9.2	16	9.2	151	215	110	146	51
13	6.7	28	e10	e9.1	11	16	10	171	209	107	140	53
14	6.7	30	e10	e9.0	13	15	10	167	214	109	138	52
15	7.4	30	e9.8	e9.0	13	15	9.4	165	215	110	137	50
16	9.0	31	e9.7	e8.8	13	14	8.5	165	223	109	135	50
17	11	30	e10	e8.3	13	14	24	172	224	108	132	50
18	10	28	e10	e8.0	13	15	32	171	226	101	130	54
19	11	18	e10	e7.9	12	16	33	172	226	101	92	50
20	11	15	e10	e7.8	12	16	34	171	225	102	87	47
21	14	15	e10	e7.7	13	16	34	173	227	102	86	50
22	17	14	e9.8	e7.6	14	16	35	232	219	101	77	50
23	18	e12	e9.4	e7.7	15	16	35	217	210	99	85	50
24	25	e11	e9.2	e7.9	13	15	37	229	212	98	85	49
25	18	e10	e9.1	e8.1	14	15	36	231	235	96	85	38
26	18	e9.7	e9.2	e8.1	14	15	43	234	233	99	85	30
27	18	e13	e9.2	e8.0	14	16	44	239	221	99	83	33
28	17	16	e9.4	e8.0	14	17	44	236	215	99	50	35
29	17	e12	e9.4	e8.1	14	17	45	231	210	99	39	36
30	17	e11	e9.2	e8.1	---	18	45	231	209	159	45	35
31	17	---	e9.2	e8.2	---	23	---	223	---	163	52	---
TOTAL	407.3	555.7	301.8	268.3	317.2	553	732.1	4847	6583	4164	3604	1427
MEAN	13.1	18.5	9.74	8.65	10.9	17.8	24.4	156	219	134	116	47.6
MAX	25	31	10	9.8	15	39	45	239	235	205	159	54
MIN	6.7	9.7	9.1	7.6	6.5	14	8.5	38	209	96	39	30
AC-FT	808	1100	599	532	629	1100	1450	9610	13060	8260	7150	2830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1992, BY WATER YEAR (WY)

MEAN	37.6	27.4	22.8	22.5	25.7	37.6	76.5	165	149	167	134	86.1
MAX	241	151	128	156	146	171	398	1109	551	365	334	242
(WY)	1923	1985	1939	1939	1986	1983	1942	1922	1983	1915	1917	1917
MIN	9.12	8.97	8.25	7.00	7.19	11.7	15.0	28.4	28.0	31.3	18.0	18.4
(WY)	1962	1965	1973	1960	1977	1956	1935	1945	1957	1936	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1914 - 1992	
ANNUAL TOTAL	19565.8		23760.4			
ANNUAL MEAN	53.6		64.9		79.5	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	201	May 31	239	May 27	1740	May 12 1941
LOWEST DAILY MEAN	6.7	Oct 13	6.5	Feb 10	5.5	Feb 25 1977
ANNUAL SEVEN-DAY MINIMUM	8.2	Oct 12	7.2	Feb 5	5.5	Feb 25 1977
ANNUAL RUNOFF (AC-FT)	38810		47130		57630	
10 PERCENT EXCEEDS	173		211		209	
50 PERCENT EXCEEDS	19		21		33	
90 PERCENT EXCEEDS	10		9.0		13	

e Estimated

10191000 PIUTE RESERVOIR NEAR MARYSVALE, UT

LOCATION.--Lat 38°19'26", long 112°11'26", in NW¼NE¼NW¼ sec. 3, T. 29 S., R. 3 W., Piute County, Hydrologic Unit 16030001, at Piute Dam on Sevier River, 9.0 mi south of Marysvale.

DRAINAGE AREA.--2,438 mi².

PERIOD OF RECORD.--March 1914 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Staff gage read at irregular intervals and end of each month. Datum of gage is 5,900.8 ft above NGVD of 1929 (levels by Office of State Engineer).

REMARKS.--Reservoir is formed by earthfill dam; storage began in summer of 1910. Capacity, 71,830 acre-ft between elevation 5,910.8 ft (approximate bottom of reservoir) and elevation 5,976.8 ft (top of flashboards on spillway since 1941). Spillway crest is at elevation 5,971.0 ft. No dead storage. Water is used for irrigation. Revised capacity table, based on Soil Conservation Service survey in 1960, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 83,050 acre-ft June 5, 1983, elevation, 5,980.6 ft; no contents at times many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 34,750 acre-ft Apr. 1, elevation, 5,958.2 ft; minimum observed, 1,820 acre-ft Sept. 30, elevation, 5,928.3 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	5,932.0	3,650	--
Oct. 31	5,930.2	2,690	-960
Nov. 30	5,938.8	8,910	+6,220
Dec. 31	5,946.6	17,760	+8,850
CAL YR 1991	--	--	-3,140
Jan. 31	5,952.5	25,850	+8,090
Feb. 29	5,952.1	25,260	-590
Mar. 31	5,958.1	34,580	+9,320
Apr. 30	5,955.3	30,090	-4,490
May 31	5,951.8	24,820	-5,270
June 30	5,947.1	18,400	-6,420
July 31	5,939.5	9,610	-8,790
Aug. 31	5,927.3	1,420	-8,190
Sept. 30	5,928.3	1,820	+400
WTR YR 1992	--	--	-1,830

10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UTAH

LOCATION.--Lat 38°19'43", long 112°11'30", in NW¼SW¼SE¼ sec. 34, T. 28 S., R. 3 W., Piute County, Hydrologic Unit 16030003, on left bank 0.25 mi downstream from Piute Dam and 8.5 mi south of Marysvale.

DRAINAGE AREA.--2,441 mi².

PERIOD OF RECORD.--May to August 1911, May 1912 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,870 ft above NGVD of 1929, by barometer. Prior to May 4, 1912, nonrecording gage at site 0.25 mi upstream at different datums. May 4, 1912 to Mar. 31, 1935, water-stage recorder at site 0.05 mi upstream at different datum. Apr. 1, 1935 to Apr. 7, 1936, at datum 0.7 ft higher. Apr. 8, 1936 to Feb. 25, 1970, at datum 0.5 ft higher. Feb. 26, 1970 to Apr. 22, 1979 at site 0.25 mi downstream at different datum. Apr. 22, 1979 to Sept. 30, 1985, at datum 10.0 ft lower.

REMARKS.--Records good except for period Apr. 23 to July 1, which is fair. Flow regulated by Piute Reservoir (see station 10191000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft³/s May 23, 24, 1922, gage height, 4.45 ft site and datum then in use; practically no flow at times when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 586 ft³/s at 1700 hrs, Feb. 19, gage height 12.41 ft; minimum daily discharge, 5.9 ft³/s Sept. 29.

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	25	70	11	8.8	7.8	8.1	15	550	15	470	372	121
2	24	70	9.8	8.7	7.8	8.2	15	545	42	464	376	119
3	30	58	9.6	8.7	7.8	8.4	15	541	59	385	374	118
4	39	36	9.6	8.7	7.8	8.3	15	534	91	337	374	65
5	39	33	9.7	8.7	7.8	8.3	15	530	117	311	372	39
6	37	32	10	8.8	7.8	8.3	15	523	116	294	368	71
7	36	31	10	8.8	7.8	8.3	16	512	117	296	366	63
8	63	31	10	8.8	7.5	8.4	16	506	128	313	363	61
9	91	28	10	8.7	7.5	8.4	16	494	188	314	359	67
10	91	28	10	8.7	7.5	8.3	16	477	188	316	356	76
11	91	29	10	8.7	7.5	8.3	17	438	237	321	352	95
12	91	28	10	8.7	7.4	8.3	17	396	305	327	348	89
13	90	24	10	8.7	7.6	8.3	17	375	381	301	344	87
14	84	27	10	8.7	7.4	8.3	18	372	418	272	340	86
15	98	24	10	8.7	172	8.3	19	345	434	182	336	86
16	109	24	10	8.7	312	8.3	19	341	456	163	332	93
17	112	24	10	8.7	354	8.2	19	327	482	206	328	114
18	107	22	10	8.7	434	7.8	19	285	515	209	313	111
19	98	12	9.5	8.7	495	7.8	19	251	523	198	278	110
20	88	12	8.7	8.7	550	7.8	20	248	520	171	273	110
21	66	11	8.7	8.7	470	7.1	27	154	517	171	263	110
22	79	11	8.7	8.7	470	6.9	160	119	512	216	241	108
23	79	11	8.7	8.5	466	6.8	269	171	515	259	238	108
24	90	10	8.7	7.9	461	6.8	279	188	510	274	234	106
25	97	10	8.7	7.8	341	6.6	293	154	507	269	222	104
26	100	10	8.7	7.8	9.3	6.6	329	134	502	293	220	104
27	98	10	8.7	7.8	8.3	6.6	405	73	492	329	162	58
28	99	10	8.7	7.8	8.3	6.6	481	34	486	364	159	6.3
29	99	15	8.7	7.8	8.3	6.6	496	28	480	336	156	5.9
30	91	10	8.7	7.8	---	6.6	535	14	467	373	149	15
31	70	---	8.7	7.8	---	11	---	15	---	369	123	---
TOTAL	2411	751	293.6	262.8	4666.2	242.6	3612	9674	10320	9103	9091	2506.2
MEAN	77.8	25.0	9.47	8.48	161	7.83	120	312	344	294	293	83.5
MAX	112	70	11	8.8	550	11	535	550	523	470	376	121
MIN	24	10	8.7	7.8	7.4	6.6	15	14	15	163	123	5.9
AC-FT	4780	1490	582	521	9260	481	7160	19190	20470	18060	18030	4970

CAL YR 1991 TOTAL 44106.6 MEAN 121 MAX 519 MIN 4.7 AC-FT 87490
WTR YR 1992 TOTAL 52933.4 MEAN 145 MAX 550 MIN 5.9 AC-FT 105000

10194000 SEVIER RIVER ABOVE CLEAR CREEK, NEAR SEVIER, UT

LOCATION.--Lat 38°34'20", long 112°15'27", in NE¼NW¼NE¼ sec. 5, T. 26 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on right bank 0.6 mi upstream from bridge on U.S. Highway 89, 0.7 mi upstream from Clear Creek, and 1.0 mi south of Sevier.

DRAINAGE AREA.--2,707 mi².

PERIOD OF RECORD.--May 1911 to November 1916 (published as Sevier River at Sevier), April 1939 to September 1955, October 1960 to current year. Records for November 1916 to September 1929 (published as Sevier River at Sevier) include flow of Clear Creek and are not equivalent.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,560 ft above NGVD of 1929, by barometer. Prior to May 16, 1912, nonrecording gage, and May 16, 1912 to Sept. 30, 1929, water-stage recorder, at site 0.8 mi downstream at different datums (datum lowered 1.0 ft Mar. 31, 1913).

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow regulated by Piute Reservoir.

EXTREMES FOR PERIOD OF RECORD.--(Not including flow of Clear Creek): Maximum discharge, 2,500 ft³/s June 3, 1983, gage height, 4.82 ft; minimum, 2.3 ft³/s Dec. 13, 1964. 1916-29 (including flow of Clear Creek): Maximum discharge, 2,800 ft³/s during last week of May 1922, computed on basis of records for station near Marysvale; minimum daily discharge, 5.8 ft³/s Jan. 11, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 571 ft³/s May 2, 3, 5; minimum daily discharge, 15 ft³/s Nov. 29.

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	24	73	e17	e21	19	30	25	560	78	479	370	140
2	31	71	e17	e20	19	28	30	571	77	477	382	137
3	31	70	e17	e21	19	28	30	571	106	441	382	135
4	34	60	e18	e25	19	28	30	568	125	377	380	135
5	41	43	e18	e27	19	27	30	571	186	330	384	75
6	43	41	e18	e28	19	26	31	568	183	307	385	63
7	43	40	e19	e28	19	26	32	553	167	297	375	80
8	42	39	e20	e26	20	28	31	552	166	310	370	75
9	66	38	e21	e25	23	29	31	557	187	328	364	73
10	87	39	e21	e25	24	26	31	560	222	325	365	80
11	90	37	22	e25	24	24	32	510	219	331	365	93
12	90	36	e19	e25	24	23	32	478	295	342	359	103
13	90	36	e19	e23	24	24	32	451	336	342	351	99
14	89	38	e19	e24	24	24	33	453	422	296	351	97
15	86	40	e18	e24	24	23	38	431	434	259	347	97
16	101	38	e18	e24	24	22	41	408	462	171	338	98
17	108	37	e19	e24	24	23	41	396	471	181	336	108
18	111	37	e21	e24	253	24	45	392	497	217	333	121
19	104	36	e23	e20	407	24	42	329	509	218	306	122
20	99	24	23	e20	491	24	40	330	512	199	287	118
21	86	24	e22	e18	462	25	42	298	510	166	285	117
22	74	22	e20	e18	436	34	50	187	504	186	269	116
23	82	22	e19	e18	432	25	194	205	504	245	254	116
24	85	e23	e19	19	432	25	258	220	501	280	248	116
25	95	21	e19	18	430	22	264	241	496	283	244	112
26	98	19	e19	20	213	21	285	210	493	282	236	114
27	98	23	e20	20	56	21	336	257	497	308	215	113
28	97	19	e20	20	39	25	438	154	490	352	179	68
29	97	15	e21	20	33	23	490	119	483	359	175	25
30	98	e17	e21	20	---	25	507	108	477	346	174	20
31	85	---	e21	19	---	25	---	85	---	373	162	---
TOTAL	2405	1078	608	689	4052	782	3541	11893	10609	9407	9571	2966
MEAN	77.6	35.9	19.6	22.2	140	25.2	118	384	354	303	309	98.9
MAX	111	73	23	28	491	34	507	571	512	479	385	140
MIN	24	15	17	18	19	21	25	85	77	166	162	20
AC-FT	4770	2140	1210	1370	8040	1550	7020	23590	21040	18660	18980	5880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1992, BY WATER YEAR (WY)

MEAN	111	87.3	65.4	61.9	131	154	222	463	446	442	359	186
MAX	312	303	492	383	579	430	549	977	2058	786	542	455
(WY)	1984	1984	1985	1984	1984	1984	1985	1983	1983	1983	1985	1985
MIN	47.6	29.1	7.38	9.22	16.0	19.6	29.1	251	120	196	97.3	38.1
(WY)	1987	1990	1979	1979	1975	1971	1968	1964	1963	1961	1961	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1961 - 1992	
ANNUAL TOTAL	52630		57601			
ANNUAL MEAN	144		157		228	
HIGHEST ANNUAL MEAN					529	1983
LOWEST ANNUAL MEAN					112	1961
HIGHEST DAILY MEAN	526	May 10	571	May 2	2450	Jun 2 1983
LOWEST DAILY MEAN	13	Sep 29	15	Nov 29	5.8	Jan 11 1979
ANNUAL SEVEN-DAY MINIMUM	14	Sep 24	17	Nov 29	6.0	Jan 6 1979
ANNUAL RUNOFF (AC-FT)	104400		114300		165300	
10 PERCENT EXCEEDS	384		439		522	
50 PERCENT EXCEEDS	73		77		154	
90 PERCENT EXCEEDS	19		20		22	

e Estimated

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

LOCATION.--Lat 38°34'45", long 112°17'22", in NW¼NW¼SW¼ sec. 31, T. 25 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on left bank at south side of State Highway 13, 1.8 mi west of Sevier, 2.3 mi upstream from mouth, and 17.2 mi southwest of Richfield.

DRAINAGE AREA.--164 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 5,680 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by several small reservoirs, combined capacity about 1,000 acre-ft, at headwaters.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 906 ft³/s Aug. 26, 1988, gage height, 2.40 ft; minimum, 1.5 ft³/s Feb. 21, 1976, gage height, 0.85 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99 ft³/s May 26, gage height 1.86 ft; minimum daily discharge, 5.5 ft³/s Jan. 13.

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	17	17	e11	e7.5	e5.8	15	38	70	68	22	e7.5	11
2	12	17	e10	e7.0	e5.9	14	37	77	67	21	e7.5	11
3	12	19	e10	e7.0	e5.9	19	36	79	67	19	e7.5	10
4	12	16	e10	e7.5	e6.0	18	36	79	68	17	e7.5	11
5	11	15	e11	e7.5	e6.0	18	37	76	69	16	9.2	11
6	11	15	e11	e7.0	e6.0	18	39	76	66	15	16	9.8
7	12	15	e11	e6.5	e6.0	18	40	78	60	15	13	9.4
8	12	15	e12	6.0	e6.0	22	41	78	56	16	13	9.0
9	12	15	e13	e6.0	e6.0	20	43	82	53	15	11	8.4
10	12	16	e13	e5.8	e6.0	17	46	78	52	14	9.9	8.4
11	12	16	e12	e6.0	6.0	18	49	74	51	17	10	8.1
12	13	14	e12	e6.0	7.5	20	61	73	48	25	e7.5	8.0
13	13	13	e12	e5.5	8.2	22	60	73	46	27	e7.5	8.2
14	13	14	e12	e5.8	8.3	25	58	71	45	21	12	8.1
15	12	14	e11	e6.0	8.0	27	57	68	43	19	12	8.5
16	12	15	e11	e6.0	8.1	28	54	68	39	16	11	9.2
17	13	12	e12	e5.8	7.3	31	52	65	36	15	9.4	8.5
18	13	16	e11	e5.8	8.5	26	67	64	33	15	e8.0	8.5
19	13	14	e12	e5.7	9.8	21	58	69	33	15	e7.5	10
20	13	11	e12	e5.7	9.9	20	47	71	33	13	e7.5	9.5
21	14	16	e12	e5.7	10	22	39	68	31	12	e8.0	8.9
22	14	13	e11	e5.8	16	21	38	63	29	12	11	8.7
23	19	e14	e10	e5.8	13	21	38	57	28	12	e8.0	8.3
24	22	e13	e9.0	e5.9	9.8	20	38	56	27	12	e7.5	7.9
25	17	e13	e8.5	e6.0	11	21	38	62	29	13	e7.5	8.1
26	15	e12	e8.0	e5.9	10	23	41	71	29	13	e7.5	9.2
27	19	e11	e8.0	e5.9	10	26	47	92	26	12	e8.0	9.2
28	17	12	e8.0	e5.9	13	35	56	87	22	11	e8.5	9.0
29	15	e12	e8.0	e5.8	14	37	63	80	21	9.9	9.1	8.7
30	17	e12	e8.0	e5.9	---	36	68	76	21	8.3	10	8.5
31	20	---	e8.0	e5.8	---	38	---	70	---	8.0	12	---
TOTAL	439	427	327.5	190.5	248.0	717	1422	2251	1296	476.2	291.6	272.1
MEAN	14.2	14.2	10.6	6.15	8.55	23.1	47.4	72.6	43.2	15.4	9.41	9.07
MAX	22	19	13	7.5	16	38	68	92	69	27	16	11
MIN	11	11	8.0	5.5	5.8	14	36	56	21	8.0	7.5	7.9
AC-FT	871	847	650	378	492	1420	2820	4460	2570	945	578	540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	12.9	12.1	10.6	10.1	13.1	21.3	55.1	132	106	36.6	17.3	13.5
MAX	26.8	21.6	19.4	21.4	35.3	48.5	197	481	322	122	51.4	30.5
(WY)	1985	1985	1967	1984	1984	1986	1984	1984	1983	1983	1984	1984
MIN	6.62	7.30	4.29	4.50	5.86	10.1	10.9	21.9	21.1	8.01	4.74	4.20
(WY)	1960	1978	1978	1978	1978	1964	1963	1977	1959	1959	1977	1959

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1958 - 1992	
ANNUAL TOTAL	8983.5		8357.9			
ANNUAL MEAN	24.6		22.8		36.8	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	125	Jul 8	92	May 27	633	May 24 1984
LOWEST DAILY MEAN	4.3	Jan 2	5.5	Jan 13	1.8	Jan 26 1979
ANNUAL SEVEN-DAY MINIMUM	4.6	Jan 1	5.8	Jan 17	2.4	Aug 29 1978
ANNUAL RUNOFF (AC-FT)	17820		16580		26650	
10 PERCENT EXCEEDS	65		63		90	
50 PERCENT EXCEEDS	15		13		15	
90 PERCENT EXCEEDS	8.4		6.8		7.5	

e Estimated

10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'13", long 111°57'14", in SW¼NE¼SW¼ sec. 19, T. 22 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on left bank 200 ft downstream from county road bridge, 0.5 mi downstream from Rocky Ford Dam, 2.3 mi northeast of Sigurd, and 5.0 mi upstream from Lost Creek.

DRAINAGE AREA.--3,375 mi².

PERIOD OF RECORD.--July to September 1912, July 1914 to current year. Prior to October 1938, published as "near Vermillion."

REVISED RECORDS.--WSP 1394: 1927-28, 1947.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above NGVD of 1929, by barometer. July to September 1912, nonrecording gage 0.3 mi downstream at different datum. July 31, 1914 to Apr. 19, 1917, nonrecording gage and Apr. 20, 1917 to Oct. 16, 1935, water-stage recorder, at present site at datum 2.00 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by reservoirs above station. During irrigation season practically entire flow through Rocky Ford Dam is diverted above station for irrigation below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft³/s May 30, 1922, gage height, 6.1 ft, present datum, from rating curve extended above 600 ft³/s on basis of maximum discharge for other Sevier River stations; practically no flow (seepage only) at times when Rocky Ford Reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 458 ft³/s Feb. 26, gage height, 6.69 ft; minimum daily discharge, 1.6 ft³/s July 3, 10, 11.

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	10	145	e75	99	101	245	68	5.0	85	1.9	3.0	32
2	20	134	72	88	104	145	69	5.5	80	1.8	3.2	23
3	32	132	72	85	104	138	69	4.7	78	1.6	3.2	15
4	22	131	82	90	106	143	67	5.6	46	3.6	3.2	33
5	9.6	129	82	102	105	144	58	5.6	38	3.8	3.2	52
6	7.9	127	94	102	104	133	57	3.8	66	2.3	3.2	50
7	6.8	125	94	102	105	128	49	4.2	81	2.0	3.4	37
8	6.0	122	97	99	108	139	42	3.5	62	2.1	3.4	29
9	5.8	121	99	98	109	154	29	2.9	28	1.9	3.6	26
10	5.4	118	101	91	108	151	22	2.9	13	1.6	4.0	29
11	5.9	113	100	90	107	140	15	3.1	9.2	1.6	4.2	51
12	7.7	98	113	95	108	133	11	14	8.6	1.7	3.8	78
13	9.6	67	96	e90	111	129	12	31	9.8	1.7	4.0	89
14	10	67	93	85	115	128	10	37	11	1.7	4.2	105
15	10	68	86	107	115	93	8.0	30	9.3	1.7	3.6	119
16	27	66	86	e100	114	67	10	29	9.3	1.9	3.1	127
17	55	65	88	91	148	63	12	27	8.1	2.3	3.1	129
18	52	66	94	97	264	47	17	29	7.3	2.5	2.9	134
19	52	66	101	e95	325	39	20	28	6.8	2.5	2.3	150
20	53	72	101	e95	338	39	20	28	5.4	2.5	2.2	160
21	54	72	98	e97	352	40	16	32	3.8	2.6	2.1	131
22	57	71	94	e98	365	35	14	39	3.0	2.8	2.1	117
23	58	69	93	e100	394	25	12	36	3.0	2.6	3.2	112
24	64	69	94	105	430	23	7.9	28	2.9	2.6	12	118
25	64	70	94	107	440	26	6.8	26	2.9	2.6	22	126
26	67	71	84	108	449	36	5.8	43	2.7	2.5	28	e131
27	71	85	80	107	418	49	5.7	105	2.5	2.5	33	e137
28	72	89	85	107	378	75	4.8	173	2.2	2.8	30	e143
29	76	86	91	105	357	92	4.6	155	2.2	2.8	26	e111
30	81	81	96	105	---	89	4.4	123	2.1	2.8	29	e73
31	135	---	97	102	---	75	---	96	---	2.8	29	---
TOTAL	1206.7	2795	2832	3042	6382	2963	747.0	1155.8	689.1	72.1	283.2	2667
MEAN	38.9	93.2	91.4	98.1	220	95.6	24.9	37.3	23.0	2.33	9.14	88.9
MAX	135	145	113	108	449	245	69	173	85	3.8	33	160
MIN	5.4	65	72	85	101	23	4.4	2.9	2.1	1.6	2.1	15
AC-FT	2390	5540	5620	6030	12660	5880	1480	2290	1370	143	562	5290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

MEAN	82.2	101	120	128	178	182	140	113	128	30.5	25.9	53.4
MAX	288	310	591	505	693	634	836	972	2002	367	159	335
(WY)	1984	1981	1985	1984	1984	1984	1984	1984	1983	1983	1983	1985
MIN	15.0	34.6	35.4	45.4	61.0	67.0	4.44	4.17	1.47	.88	1.06	.59
(WY)	1952	1957	1957	1964	1956	1972	1972	1957	1953	1954	1963	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	24120.3		24834.9			
ANNUAL MEAN	66.1		67.9		106	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	495	Feb 26	449	Feb 26	2350	Jun 5 1983
LOWEST DAILY MEAN	1.7	Jul 13	1.6	Jul 3	.00	Oct 3 1955
ANNUAL SEVEN-DAY MINIMUM	1.8	Jul 9	1.7	Jul 9	.03	Oct 3 1955
ANNUAL RUNOFF (AC-FT)	47840		49260		77080	
10 PERCENT EXCEEDS	120		131		231	
50 PERCENT EXCEEDS	52		62		72	
90 PERCENT EXCEEDS	2.4		2.8		2.1	

e Estimated

10205030 SALINA CREEK NEAR EMERY, UT

LOCATION.--Lat 38°54'43", long 111°31'47", in SE¼SW¼NW¼ sec. 12, T. 22 S., R. 3 E., Sevier County, Hydrologic Unit 16030003, on right bank, 2.5 mi upstream from Soil Conservation Service retention dam, 15.3 mi west of Emery, and 18.4 mi east of Salina.

DRAINAGE AREA.--51.8 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 7,000 ft above NGVD of 1929, from topographic map. Prior to June 9, 1971, at site 300 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Slight regulation from small reservoirs at headwaters.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 740 ft³/s July 27, 1989, gage height, 5.85 ft present datum from rating curve extended above 150 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 0.80 ft³/s Nov. 9, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 28	1905	75	3.35	Aug. 12	1534	67	3.28
May 26	2208	*91	*3.49				

Minimum daily discharge, 5.4 ft³/s Jan. 27.

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	10	8.3	e6.2	e7.5	e6.9	e8.0	e10	46	21	13	11	8.4
2	9.9	8.5	e6.0	e6.8	e7.2	e7.8	e10	44	20	12	11	8.4
3	9.9	e8.0	e6.5	e6.3	e7.0	e9.0	e9.0	43	22	12	11	8.2
4	9.9	7.8	e7.0	e6.6	e7.0	e8.5	e9.2	43	20	12	11	8.3
5	9.7	7.8	e7.2	e7.7	7.1	e8.0	e10	41	19	12	11	8.3
6	9.9	7.8	e7.6	8.6	7.3	e8.6	e11	40	18	11	10	8.1
7	9.7	8.0	e7.6	7.7	7.2	e8.0	e12	36	19	12	10	8.1
8	9.8	7.5	e7.7	7.9	7.3	e8.5	e10	34	18	11	10	8.1
9	9.6	7.1	e7.8	e7.6	7.0	e8.0	e12	35	17	12	10	7.7
10	9.6	7.0	e7.9	e7.8	7.0	e7.4	e15	32	17	11	10	7.5
11	9.6	7.0	8.5	e7.6	7.0	e8.0	e17	30	17	12	10	7.5
12	9.6	7.2	8.7	e8.0	6.7	e8.2	e18	29	17	12	11	7.5
13	9.4	7.3	e8.2	e7.7	6.7	e9.0	e16	28	16	12	8.9	7.5
14	9.2	7.4	e7.8	e8.0	6.7	e10	e17	26	16	11	8.9	7.5
15	9.2	7.5	e7.6	e7.6	e6.0	e11	e18	26	17	11	9.1	7.5
16	9.2	7.3	e7.4	e7.0	e5.6	e10	18	24	16	11	8.9	7.5
17	9.2	7.2	e6.6	e7.4	e5.6	e9.5	18	23	16	11	8.6	7.5
18	8.9	7.4	e7.0	e7.6	e6.0	e9.2	21	22	15	11	8.6	7.8
19	8.9	7.0	e7.2	e7.2	e6.4	e9.2	17	21	15	11	8.6	8.1
20	8.9	e7.1	7.0	e7.0	e7.0	e9.2	16	24	15	11	8.6	7.8
21	8.9	7.3	e7.6	e7.2	e7.6	e10	16	29	14	11	8.8	7.8
22	8.8	7.5	e7.8	e7.4	e8.6	e9.8	16	26	14	11	8.9	7.8
23	8.9	e6.0	e7.8	e7.6	e8.0	e9.7	16	23	13	11	8.9	7.8
24	9.0	e6.6	e7.5	e6.6	e7.4	e9.6	16	23	13	11	8.6	7.8
25	8.6	7.6	e7.2	6.1	e7.0	e9.8	19	23	15	11	8.6	7.8
26	8.6	6.9	e7.8	e6.0	e7.0	e11	23	34	17	11	8.6	7.5
27	8.6	7.0	e7.2	5.4	e7.4	e10	31	35	16	11	8.2	7.5
28	8.6	7.0	e7.1	6.5	e7.6	e10	47	25	15	11	8.4	7.7
29	9.0	6.8	e7.4	6.5	e7.8	e11	47	23	15	11	8.4	7.3
30	8.6	e6.6	e7.6	7.1	---	e11	47	24	14	11	8.6	7.5
31	e8.5	---	8.0	e7.0	---	e11	---	21	---	11	9.5	---
TOTAL	286.2	219.5	230.5	223.0	203.1	288.0	562.2	933	497	352	291.7	233.8
MEAN	9.23	7.32	7.44	7.19	7.00	9.29	18.7	30.1	16.6	11.4	9.41	7.79
MAX	10	8.5	8.7	8.6	8.6	11	47	46	22	13	11	8.4
MIN	8.5	6.0	6.0	5.4	5.6	7.4	9.0	21	13	11	8.2	7.3
AC-FT	568	435	457	442	403	571	1120	1850	986	698	579	464

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	10.1	8.40	7.27	6.63	6.51	7.73	15.4	70.1	47.8	17.5	13.9	11.5
MAX	18.9	16.0	14.1	13.6	10.8	16.0	51.6	275	162	50.3	34.4	25.4
(WY)	1985	1985	1985	1985	1985	1988	1985	1984	1983	1983	1983	1984
MIN	3.57	3.24	3.33	2.58	2.49	4.25	5.31	5.12	3.70	4.67	4.09	3.55
(WY)	1978	1978	1978	1977	1977	1977	1964	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	4434.1		4320.0			
ANNUAL MEAN	12.1		11.8		18.6	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	71	Jun 5	47	Apr 28	434	May 28 1983
LOWEST DAILY MEAN	4.0	Mar 3	5.4	Jan 27	1.5	Dec 30 1982
ANNUAL SEVEN-DAY MINIMUM	4.1	Mar 9	6.1	Feb 13	1.7	Dec 26 1982
ANNUAL RUNOFF (AC-FT)	8800		8570		13500	
10 PERCENT EXCEEDS	23		21		35	
50 PERCENT EXCEEDS	8.2		8.9		9.5	
90 PERCENT EXCEEDS	4.4		7.0		5.0	

e Estimated

10206000 SALINA CREEK AT SALINA, UT

LOCATION.--Lat 38°57'24", long 111°51'58", in SW¼NW¼NW¼ sec. 25, T. 21 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on right bank 150 ft upstream from bridge on U.S. Highway 89 in Salina and 0.8 mi upstream from mouth.

DRAINAGE AREA.--292 mi².

PERIOD OF RECORD.--April to September 1914 (fragmentary), April 1915 to September 1916, October 1917 to September 1919, November 1942 to September 1955, water year 1960 (annual maximum), October 1960 to current year.

REVISED RECORDS.--WSP 1734: Drainage area. WSP 2127: 1953(M), 1960(M), 1965(M). WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,140 ft above NGVD of 1929, estimated on basis of nearby benchmark. Prior to Mar. 23, 1915, nonrecording gage at site 150 ft downstream at different datum. Mar. 23, 1915 to Oct. 16, 1917, nonrecording gage, and Oct. 17, 1917 to Sept. 30, 1919, water-stage recorder at site about 0.2 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above and below station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,650 ft³/s June 7, 1984, gage height, 8.32 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	1632	*1150	*5.22	No other peak greater than base discharge.			

Minimum daily discharge, 0.26 ft³/s Apr. 2.

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	.76	25	e13	e13	e15	22	1.2	81	1.9	.56	.62	.66
2	.76	26	e14	e12	e16	20	.26	64	1.2	.58	.63	.60
3	.69	14	e12	e11	e15	30	.80	54	7.4	.55	.61	.70
4	.68	28	e13	e12	15	23	1.0	54	1.4	.58	.59	.93
5	.70	24	e14	e13	15	20	.58	47	2.2	.62	.66	.82
6	.76	27	e15	e15	14	26	2.4	46	1.7	.51	.59	.81
7	.75	29	e16	e16	15	20	8.2	47	1.3	.52	.55	.79
8	.69	24	17	17	15	26	2.4	43	1.4	.62	.58	.61
9	.67	20	17	e16	14	21	3.7	98	.51	.59	.63	.58
10	.79	19	16	e17	15	19	8.6	55	.37	.76	.73	.62
11	.79	20	17	e16	14	18	14	29	.61	.65	.59	.69
12	.81	19	16	e17	14	20	16	18	.63	1.1	.38	.71
13	.79	25	19	e16	15	11	8.0	12	.59	1.1	1.2	.77
14	.90	17	17	e17	15	7.3	5.1	6.6	.46	1.3	.40	.64
15	.83	18	e16	e16	14	10	19	6.6	.60	.96	.37	.63
16	2.6	20	e16	e15	14	8.6	11	3.1	1.1	1.1	.58	.74
17	4.0	16	e13	e16	15	18	6.2	.91	.46	.53	.56	.65
18	3.7	29	e15	e17	11	22	35	.71	1.4	.55	.56	.71
19	4.2	20	18	e16	13	13	15	.63	.58	.60	.58	.97
20	5.0	15	15	e16	15	8.2	1.9	5.4	.52	.57	.56	.90
21	4.2	23	17	e17	18	9.2	1.3	37	.46	.55	.68	.93
22	4.2	16	e16	e17	24	6.8	1.7	30	.48	.48	.83	.60
23	6.4	8.8	e16	e19	25	6.0	1.4	7.3	.37	.46	.65	.58
24	5.7	16	e15	e17	16	3.7	4.8	22	.43	.48	.62	.53
25	4.8	22	e16	e16	17	.59	11	13	.70	.64	.62	.61
26	12	18	e16	e16	16	2.2	20	156	.74	.66	.70	.75
27	22	19	e13	e17	17	4.6	34	196	.93	.74	.60	.82
28	23	18	e14	e17	20	8.2	56	43	.82	.66	.53	.77
29	16	15	e15	e16	22	8.4	81	23	1.3	.56	.59	.68
30	22	17	e14	e16	---	6.6	93	26	.50	.63	.67	.69
31	20	---	e14	e16	---	2.9	---	7.1	---	.61	.69	---
TOTAL	171.17	607.8	475	488	464	422.29	464.54	1232.35	33.06	20.82	19.15	21.49
MEAN	5.52	20.3	15.3	15.7	16.0	13.6	15.5	39.8	1.10	.67	.62	.72
MAX	23	29	19	19	25	30	93	196	7.4	1.3	1.2	.97
MIN	.67	8.8	12	11	11	.59	.26	.63	.37	.46	.37	.53
AC-FT	340	1210	942	968	920	838	921	2440	66	41	38	43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1992, BY WATER YEAR (WY)

MEAN	10.7	16.1	13.9	13.9	19.1	21.7	35.1	155	80.7	7.19	5.40	2.95
MAX	59.9	44.0	39.9	35.7	42.1	60.0	187	989	583	76.8	68.4	22.8
(WY)	1985	1985	1984	1986	1986	1986	1984	1984	1983	1984	1984	1983
MIN	2.50	4.66	3.41	3.62	7.82	5.20	.73	.92	.39	.21	.17	.22
(WY)	1965	1977	1991	1991	1978	1963	1967	1977	1977	1961	1976	1962

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1961 - 1992	
ANNUAL TOTAL	6085.01		4419.67			
ANNUAL MEAN	16.7		12.1		31.9	
HIGHEST ANNUAL MEAN					172	1984
LOWEST ANNUAL MEAN					4.37	1961
HIGHEST DAILY MEAN	165	Jun 8	196	May 27	1620	May 13 1984
LOWEST DAILY MEAN	.62	Aug 22	.26	Apr 2	.00	Aug 13 1962
ANNUAL SEVEN-DAY MINIMUM	.69	Sep 11	.51	Jun 19	.05	Aug 20 1976
ANNUAL RUNOFF (AC-FT)	12070		8770		23100	
10 PERCENT EXCEEDS	28		23		62	
50 PERCENT EXCEEDS	3.7		8.2		9.6	
90 PERCENT EXCEEDS	.76		.58		.64	

e Estimated

10215700 OAK CREEK NEAR SPRING CITY, UT

LOCATION.--Lat 39°26'52", long 111°25'29", in $SW^1/_4SE^1/_4SW^1/_4$, sec. 1, T. 16 S., R. 4 E., Sanpete County, on right bank about 400 ft upstream from powerplant diversion, 0.8 mi downstream from South Fork, and 4.5 mi southeast of Spring City.

DRAINAGE AREA.--8.35 mi^2.

PERIOD OF RECORD.--October 1964 to September 1974, June 1979 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion above station. Flow includes discharge of Spring City tunnel (transmountain diversion from Colorado River Basin).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 300 ft^3/s July 23, 1965, gage height, 3.75 ft from floodmark, from rating curve extended above 75 ft^3/s; minimum, 0.93 ft^3/s Mar. 6, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	1712	*56	*2.32	No other peak greater than base discharge.			

Minimum daily discharge, 3.2 ft^3/s Mar. 25.

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	5.6	4.6	e4.8	4.5	4.1	4.1	3.7	23	29	8.6	5.9	4.6
2	5.6	4.8	e5.0	e3.9	4.1	4.1	3.8	29	27	8.4	5.9	4.6
3	5.6	e4.3	4.9	4.1	4.1	4.1	4.1	30	27	8.1	5.9	4.6
4	5.7	4.4	4.8	4.1	4.1	4.1	4.3	31	25	8.0	5.9	5.0
5	5.7	4.5	4.8	4.2	4.1	4.1	4.2	32	24	7.8	5.6	4.7
6	5.9	5.3	4.8	4.2	4.1	4.1	4.1	36	23	7.6	5.5	4.6
7	5.9	5.4	4.8	4.2	4.1	4.1	4.1	33	20	7.9	6.8	4.4
8	5.9	5.1	4.8	e4.2	4.1	4.1	4.3	34	19	7.6	5.9	4.4
9	5.7	5.0	4.8	e4.0	4.1	4.1	4.5	34	18	7.6	5.6	4.4
10	5.9	5.0	4.8	4.1	4.1	4.0	5.0	30	17	7.4	5.6	4.4
11	5.9	4.8	4.8	4.1	4.1	3.9	5.3	29	16	7.5	5.6	4.4
12	5.9	4.6	4.8	4.4	4.1	4.0	5.6	31	15	8.3	5.4	4.4
13	5.9	4.6	4.7	e4.2	4.1	4.1	5.5	32	14	7.9	5.3	4.2
14	5.8	4.7	4.6	4.1	4.1	4.2	5.7	33	13	7.3	5.3	4.1
15	5.3	4.1	4.8	4.1	4.1	4.4	6.0	33	14	7.0	5.5	4.1
16	5.4	4.1	4.8	4.2	4.1	4.4	5.5	31	13	7.0	6.3	4.4
17	5.5	4.5	4.8	4.4	3.9	4.4	5.5	30	13	7.0	5.4	4.1
18	5.6	4.5	4.8	e4.2	e3.8	4.3	5.4	29	12	7.0	5.1	4.2
19	5.0	4.7	4.8	4.3	3.9	4.1	5.4	33	11	7.0	5.1	4.3
20	4.8	4.5	4.8	4.4	4.0	3.6	5.1	32	10	6.7	5.1	4.2
21	5.2	4.6	4.8	4.4	3.9	3.3	5.4	33	10	6.7	4.8	4.0
22	5.6	4.9	4.8	4.4	4.1	3.3	5.3	32	9.9	6.7	4.8	3.9
23	5.6	e4.4	4.8	4.1	4.1	3.3	5.4	32	9.7	6.4	5.1	3.9
24	5.1	4.8	4.8	3.9	3.9	3.3	5.5	32	9.5	6.4	4.8	4.0
25	4.9	4.8	4.8	4.0	4.1	3.2	6.1	32	9.4	6.4	4.8	3.9
26	4.9	4.8	4.4	3.9	4.0	3.4	7.4	36	9.6	6.4	4.6	3.7
27	5.1	4.8	4.4	3.9	3.9	3.4	11	37	9.0	6.2	4.5	3.8
28	4.4	4.8	4.4	4.0	4.0	3.3	14	34	8.9	6.2	4.6	3.9
29	5.2	4.8	4.4	4.0	4.1	3.3	18	33	8.5	6.2	4.6	3.8
30	5.5	e4.7	4.4	3.9	---	3.3	19	32	8.3	6.1	4.6	3.7
31	e5.2	---	4.4	4.0	---	3.6	---	31	---	5.9	4.7	---
TOTAL	169.3	140.9	146.4	128.4	117.3	119.0	194.2	989	452.8	221.3	164.6	126.7
MEAN	5.46	4.70	4.72	4.14	4.04	3.84	6.47	31.9	15.1	7.14	5.31	4.22
MAX	5.9	5.4	5.0	4.5	4.1	4.4	19	37	29	8.6	6.8	5.0
MIN	4.4	4.1	4.4	3.9	3.8	3.2	3.7	23	8.3	5.9	4.5	3.7
AC-FT	336	279	290	255	233	236	385	1960	898	439	326	251

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1980-92, BY WATER YEAR (WY)

MEAN	5.33	4.66	4.17	3.79	3.71	3.73	5.21	25.5	44.1	16.3	7.81	6.04
MAX	9.05	7.70	6.59	5.53	5.78	5.63	11.5	61.3	92.6	52.5	17.0	10.9
(WY)	1984	1984	1984	1984	1987	1987	1985	1984	1983	1983	1983	1983
MIN	2.98	2.88	3.11	2.66	2.35	2.01	2.87	11.4	12.2	5.95	4.69	3.82
(WY)	1965	1965	1965	1969	1969	1969	1970	1991	1966	1966	1972	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965-74, 1980-92	
ANNUAL TOTAL	3560.9		2969.9			
ANNUAL MEAN	9.76		8.11		10.9	
HIGHEST ANNUAL MEAN					20.6	1984
LOWEST ANNUAL MEAN					6.80	1966
HIGHEST DAILY MEAN	76	Jun 14	37	May 27	145	May 31 1984
LOWEST DAILY MEAN	3.5	Mar 16	3.2	Mar 25	1.9	Mar 6 1969
ANNUAL SEVEN-DAY MINIMUM	3.6	Mar 21	3.3	Mar 21	2.0	Mar 14 1969
ANNUAL RUNOFF (AC-FT)	7060		5890		7900	
10 PERCENT EXCEEDS	23		23		26	
50 PERCENT EXCEEDS	4.8		4.8		5.1	
90 PERCENT EXCEEDS	3.7		4.0		3.2	

e Estimated

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE¼SE¼SE¼ sec. 9, T. 18 S., R. 3 E., Sanpete County, Hydrologic Unit 16030004, on right bank 200 ft downstream from a side road bridge 0.6 mi upstream from upper powerplant, 2.3 mi east of cattle guard at Manti-LaSal forest boundary, and 3.5 mi east of Manti.

DRAINAGE AREA.--26.4 mi².

PERIOD OF RECORD.--October 1964 to September 1974; October 1978 to current year.

REVISED RECORDS.--WRD UT-81-1: 1979, 1980(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Records do not include flow diverted around station in an 8-inch pipeline, for culinary water for the city of Manti, and generation of power at the upper powerplant. Records include flow of a small transmountain diversion from San Rafael River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 682 ft³/s June 9, 1973, gage height, 2.93 ft; minimum, 0.9 ft³/s Nov. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 26	2006	*188	*4.23	No other peak greater than base discharge.			

Minimum daily discharge, 2.9 ft³/s Feb. 18.

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	9.1	e6.6	e5.2	3.7	e3.3	e4.0	10	53	60	24	7.2	6.0
2	8.7	6.8	e5.6	4.1	e3.3	e4.0	11	56	56	24	6.9	6.0
3	8.7	e6.6	e5.5	4.3	e3.3	e4.0	12	67	56	23	6.7	6.0
4	8.6	e6.8	e5.5	4.2	e3.3	e4.0	12	76	50	22	6.6	8.5
5	8.5	6.8	e5.5	4.1	e3.3	e4.0	14	87	47	22	6.7	7.4
6	8.2	7.6	e5.5	4.0	e3.3	e4.0	13	106	45	23	6.8	6.6
7	7.9	7.8	5.5	4.1	e3.3	e4.0	13	112	43	23	11	6.0
8	7.6	7.2	5.3	4.0	e3.3	4.1	15	103	42	21	8.4	6.1
9	7.5	7.0	e5.2	3.7	e3.3	4.2	17	109	40	21	8.1	5.9
10	7.8	7.4	5.1	4.0	e3.3	4.6	17	82	39	19	8.4	5.8
11	7.1	6.9	5.2	4.0	e3.3	4.9	21	77	39	22	7.8	5.7
12	7.1	6.3	5.0	4.0	e3.3	5.3	23	106	37	21	7.4	5.7
13	7.4	6.7	4.9	3.6	3.3	5.8	22	118	35	19	7.2	6.0
14	7.6	6.3	4.6	3.5	3.2	6.0	22	120	34	19	6.9	6.1
15	7.6	6.2	4.6	3.5	3.1	6.6	20	142	35	17	6.9	6.1
16	7.5	6.0	4.6	3.3	3.0	6.8	19	128	35	17	6.8	7.9
17	7.5	6.2	4.7	3.5	3.0	6.5	20	119	33	16	6.7	7.2
18	7.1	6.0	4.7	3.4	e2.9	6.9	21	113	32	15	6.3	8.7
19	7.0	e6.4	4.7	3.4	e3.1	7.1	19	109	31	15	6.1	9.8
20	7.1	e6.2	4.6	3.5	3.2	6.6	18	110	29	13	5.9	6.8
21	7.0	6.7	4.5	3.4	3.9	6.4	19	113	28	12	6.2	6.5
22	7.1	e6.8	4.6	3.5	4.1	6.3	19	96	27	11	6.1	6.4
23	6.9	e5.6	4.3	3.5	3.8	6.5	19	91	27	11	7.9	6.3
24	6.7	e5.8	4.4	3.4	e3.6	6.4	20	93	26	11	6.3	6.2
25	6.6	e5.8	4.4	3.3	3.8	6.7	22	89	27	10	6.1	6.3
26	6.7	e5.8	4.4	3.2	3.8	7.2	24	97	29	9.7	5.9	6.4
27	6.7	5.8	4.3	3.2	e3.7	7.3	33	98	28	9.3	6.1	6.4
28	4.9	5.3	4.3	3.3	e3.9	7.5	44	82	26	8.8	5.7	6.4
29	e6.2	e5.3	4.3	3.2	e4.0	8.1	54	76	25	8.4	5.7	6.1
30	6.9	e5.0	4.4	3.3	---	8.5	59	71	25	8.1	6.3	6.0
31	e6.8	---	4.3	3.3	---	9.4	---	63	---	7.7	6.2	---
TOTAL	228.1	191.7	149.7	112.5	99.0	183.7	652	2962	1086	503.0	213.3	197.3
MEAN	7.36	6.39	4.83	3.63	3.41	5.93	21.7	95.5	36.2	16.2	6.88	6.58
MAX	9.1	7.8	5.6	4.3	4.1	9.4	59	142	60	24	11	9.8
MIN	4.9	5.0	4.3	3.2	2.9	4.0	10	53	25	7.7	5.7	5.7
AC-FT	452	380	297	223	196	364	1290	5880	2150	998	423	391

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1979-92, BY WATER YEAR (WY)

MEAN	8.57	6.84	5.33	4.80	4.68	6.10	18.9	98.7	140	42.6	17.1	10.8
MAX	18.6	12.5	9.85	8.79	8.46	12.3	87.4	232	317	174	42.3	23.5
(WY)	1984	1985	1984	1984	1984	1986	1985	1984	1983	1983	1983	1983
MIN	4.32	3.84	3.35	3.05	3.13	3.22	5.46	47.1	32.2	11.9	5.75	4.47
(WY)	1990	1968	1979	1981	1967	1991	1967	1990	1966	1966	1966	1966

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965-74, 1979-92	
ANNUAL TOTAL	7764.8		6578.3			
ANNUAL MEAN	21.3		18.0		30.4	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					14.1	1989
HIGHEST DAILY MEAN	283	Jun 9	142	May 15	444	Jun 1 1984
LOWEST DAILY MEAN	2.8	Mar 29	2.9	Feb 18	2.4	Jan 8 1981
ANNUAL SEVEN-DAY MINIMUM	3.0	Mar 23	3.1	Feb 14	2.6	Jan 8 1981
ANNUAL RUNOFF (AC-FT)	15400		13050		22000	
10 PERCENT EXCEEDS	63		51		77	
50 PERCENT EXCEEDS	7.5		6.8		8.6	
90 PERCENT EXCEEDS	3.6		3.5		4.0	

e Estimated

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

LOCATION.--Lat 39°09'19", long 111°52'37", in NE¼NE¼SE¼ sec. 14, T. 19 S., R. 1 W., Sanpete County, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 mi².

PERIOD OF RECORD.--March 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above NGVD of 1929, from topographic map. Prior to Oct. 28, 1938, at same site at datum 0.36 ft higher. April 16, 1986 to June 6, 1989 at site approximately 1 mi downstream at different datum.

REMARKS.--Records good. Flow regulated by reservoirs and many diversions for irrigation above station. Most of flow diverted above station during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,400 ft³/s May 29, 1984; minimum, 5.6 ft³/s July 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1110 ft³/s May 27, gage height, 6.51 ft; minimum daily discharge, 19 ft³/s July 10, 11, Aug. 13, 14.

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	64	228	185	206	189	393	110	107	192	28	26	63
2	62	236	173	198	187	260	97	102	153	33	24	63
3	71	230	153	190	190	203	93	88	149	35	22	57
4	85	225	170	192	192	204	96	86	152	33	21	52
5	85	223	183	198	189	195	94	85	130	32	21	64
6	79	221	182	203	188	195	90	78	125	30	23	82
7	80	216	191	202	189	186	95	78	125	28	24	83
8	85	218	198	213	193	165	95	89	80	23	24	74
9	85	218	200	205	195	193	91	100	98	21	24	66
10	89	212	197	194	195	202	89	145	74	19	21	62
11	92	206	202	194	193	193	82	106	57	19	20	79
12	96	204	200	198	193	185	76	95	45	21	20	97
13	98	191	210	195	197	176	74	82	46	27	19	120
14	98	173	190	187	200	167	69	80	44	32	19	124
15	103	189	179	192	198	165	68	80	45	29	20	139
16	92	212	179	200	196	143	80	79	42	32	20	153
17	80	158	182	194	191	120	90	77	40	39	20	164
18	104	181	191	183	232	128	108	72	36	34	20	161
19	103	184	e192	183	327	105	128	63	34	38	20	179
20	107	179	e200	178	350	80	123	69	31	36	22	185
21	110	175	208	176	391	74	114	93	28	39	25	202
22	115	176	199	181	408	79	92	146	34	32	24	185
23	123	170	196	183	424	80	75	137	36	29	24	162
24	140	164	194	187	445	76	79	108	33	29	27	154
25	150	164	197	193	474	71	83	128	28	27	30	155
26	150	169	190	194	501	61	94	111	28	22	36	140
27	158	175	179	194	523	71	96	579	28	21	48	164
28	177	191	180	192	497	88	93	262	27	21	62	171
29	169	192	184	191	436	110	108	258	28	21	62	165
30	172	190	192	188	---	121	115	235	28	20	59	143
31	175	---	206	189	---	116	---	179	---	22	61	---
TOTAL	3397	5870	5882	5973	8283	4605	2797	3997	1996	872	888	3708
MEAN	110	196	190	193	286	149	93.2	129	66.5	28.1	28.6	124
MAX	177	236	210	213	523	393	128	579	192	39	62	202
MIN	62	158	153	176	187	61	68	63	27	19	19	52
AC-FT	6740	11640	11670	11850	16430	9130	5550	7930	3960	1730	1760	7350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 1992, BY WATER YEAR (WY)

MEAN	195	237	268	272	332	360	290	374	361	119	111	134
MAX	783	760	1028	868	1141	1443	1670	3606	4308	1624	591	499
(WY)	1984	1984	1984	1984	1984	1984	1984	1984	1983	1983	1983	1983
MIN	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	41.0	25.7	16.2	17.2
(WY)	1935	1935	1932	1935	1935	1935	1966	1961	1940	1960	1934	1934

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1918 - 1992	
ANNUAL TOTAL	54285		48268			
ANNUAL MEAN	149		132		254	
HIGHEST ANNUAL MEAN					1346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	636	Feb 27	579	May 27	5400	May 29 1984
LOWEST DAILY MEAN	20	Jul 13	19	Jul 10	6.0	Jul 18 1977
ANNUAL SEVEN-DAY MINIMUM	21	Jul 9	20	Aug 11	6.6	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	107700		95740		183900	
10 PERCENT EXCEEDS	259		204		473	
50 PERCENT EXCEEDS	128		120		187	
90 PERCENT EXCEEDS	30		27		59	

e Estimated

10218500 SEVIER BRIDGE RESERVOIR NEAR JUAB, UT

LOCATION.--Lat 39°22'20", long 112°01'57", in NW¼NW¼NW¼ sec. 1, T. 17 S., R. 2 W., Juab County, Hydrologic Unit 16030003, at Sevier Bridge Dam on Sevier River, 9.0 mi northeast of Scipio.

DRAINAGE AREA.--5,155 mi².

PERIOD OF RECORD.--January 1914 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Staff gage below gage height 60 ft and wire-weight gage above, at left end of dam. Datum of gage is 4,937.51 ft above NGVD of 1929.

REMARKS.--Reservoir was formed by a 30-ft earthfill dam. Storage began about 1904. Dam ultimately raised to 90 ft by June 1916. Capacity, 236,000 acre-ft between elevation 4,946.9 ft and elevation 5,017.5 ft (top of flashboard on spillway). No dead storage. Water is used for irrigation. Revised capacity table, based on Soil Conservation Service survey in 1961, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 271,600 acre-ft June 21-24, 1983; elevation, 5,020.5 ft; no storage at times in 1927-28, 1930-36, 1951, 1960-61.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 134,600 acre-ft, Apr. 8-10, elevation, 5,005.8 ft; minimum contents observed, 24,820 acre-ft, Sept. 3, elevation, 4,971.5 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	--	*59,900	--
Oct. 31	--	*65,980	+6,080
Nov. 30	--	*78,120	+12,140
Dec. 31	--	*92,340	+14,220
CAL YR 1992	--	--	-2,440
Jan. 31	--	*103,400	+11,060
Feb. 29	5,003.9	*122,800	+19,400
Mar. 31	5,005.5	*133,200	+10,400
Apr. 30	5,000.9	*107,000	-26,200
May 31	--	*89,080	-17,920
June 30	--	*58,800	-30,280
July 31	--	*42,920	-15,880
Aug. 31	--	*26,420	-16,500
Sept. 30	--	*31,890	+5,470
WTR YR 1992	--	--	-28,010

(*) No gage height reading, contents interpolated.

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in SE¼SW¼SE¼ sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi².

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since Apr. 16, 1914. Elevation of gage is 4,940 ft above NGVD of 1929, by barometer. Prior to Apr. 16, 1914, staff gage 500 ft upstream at different datum. Apr. 16, 1914 to Apr. 7, 1938, water-stage recorder at present site and datum. Apr. 8, 1938 to Mar. 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. Apr. 1, 1942 to June 15, 1961, water-stage recorder on left bank same site and datum. June 16, 1961 to Aug. 31, 1992, water stage recorder on right bank at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Sevier Bridge Reservoir (see station 10218500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft³/s June 25, 1983, gage height, 10.90 ft; no flow many days during April, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 820 ft³/s Apr. 18, gage height, 7.12 ft; minimum daily discharge, 0.91 ft³/s Sept. 30.

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	2.9	1.6	2.0	2.3	e1.8	2.1	3.1	654	10	434	475	e2.1
2	2.7	1.6	2.0	2.3	e1.8	2.1	2.9	654	123	433	522	e2.0
3	2.6	1.6	2.0	2.3	1.8	2.1	2.9	654	456	430	520	e1.9
4	2.6	1.6	2.0	2.3	1.8	2.1	2.9	650	459	430	515	2.1
5	2.6	1.6	1.9	2.3	1.8	2.1	2.9	569	461	429	512	2.0
6	2.6	1.6	1.8	2.2	1.8	2.1	2.9	528	460	426	509	2.0
7	2.5	1.6	1.8	2.1	1.8	2.0	2.9	526	460	426	506	2.0
8	2.6	1.6	1.9	2.0	1.8	2.1	2.9	524	582	425	459	2.0
9	2.6	1.6	1.8	2.0	1.8	2.0	2.9	526	638	425	395	2.0
10	2.6	1.6	1.8	2.0	1.8	2.4	94	520	637	423	392	2.0
11	2.6	1.6	1.8	2.0	1.8	2.9	533	519	637	394	345	2.0
12	2.6	1.6	1.8	2.0	1.8	3.6	612	515	649	175	125	2.1
13	2.6	1.6	1.8	2.0	1.8	4.1	794	513	698	173	125	2.0
14	2.6	1.8	1.8	2.0	1.8	4.0	800	514	695	128	125	2.1
15	2.6	1.8	1.9	2.0	1.8	4.0	802	512	692	94	125	2.1
16	4.2	1.8	2.0	2.0	1.9	3.9	804	512	692	92	125	2.1
17	3.7	1.8	2.0	2.0	1.8	3.8	804	509	689	91	295	2.0
18	3.0	1.8	2.0	e2.0	1.9	3.6	790	496	687	91	538	2.1
19	2.5	1.8	2.0	e2.0	1.9	3.6	667	447	683	89	535	2.0
20	2.1	1.8	2.0	e1.9	2.0	3.6	664	425	614	89	430	2.1
21	1.8	1.9	2.0	e1.9	1.9	3.5	663	371	561	88	345	2.0
22	1.6	2.0	2.0	e1.9	2.0	3.3	663	287	559	84	343	2.0
23	1.6	2.0	2.0	e1.9	2.0	3.3	661	241	557	246	344	2.1
24	1.6	2.0	2.0	e1.9	2.0	3.2	660	239	554	337	344	1.6
25	1.6	2.0	2.0	e1.9	2.0	3.2	659	236	495	336	159	1.4
26	1.6	2.0	2.0	e1.9	2.0	3.2	658	236	437	335	69	1.1
27	1.6	2.1	2.0	e1.8	2.0	3.2	657	135	436	335	68	.96
28	1.6	2.1	2.0	e1.8	2.0	3.2	657	8.7	436	332	51	.92
29	1.6	2.0	2.2	e1.8	2.1	3.2	655	9.0	434	332	31	.92
30	1.6	2.0	2.6	e1.8	---	3.2	653	9.2	433	400	35	.91
31	1.6	---	2.3	e1.8	---	3.2	---	9.5	---	432	e15	---
TOTAL	72.6	53.5	61.2	62.1	54.5	93.9	13976.3	12548.4	15924	8954	9377	54.61
MEAN	2.34	1.78	1.97	2.00	1.88	3.03	466	405	531	289	302	1.82
MAX	4.2	2.1	2.6	2.3	2.1	4.1	804	654	698	434	538	2.1
MIN	1.6	1.6	1.8	1.8	1.8	2.0	2.9	8.7	10	84	15	.91
AC-FT	144	106	121	123	108	186	27720	24890	31590	17760	18600	108

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1992, BY WATER YEAR (WY)

MEAN	66.2	34.8	35.6	61.7	59.7	117	303	749	605	548	362	174
MAX	640	326	757	1295	1184	1535	1782	3135	4178	3293	1599	737
(WY)	1923	1913	1986	1984	1984	1983	1984	1984	1983	1983	1983	1923
MIN	1.00	.60	.45	.76	.94	1.01	2.00	371	138	65.4	25.0	1.34
(WY)	1961	1965	1965	1965	1965	1965	1941	1934	1964	1934	1934	1961

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1912 - 1992	
ANNUAL TOTAL	53083.5		61232.11			
ANNUAL MEAN	145		167		261	
HIGHEST ANNUAL MEAN					1322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	795	Aug 17	804	Apr 16	4920	Jun 25 1983
LOWEST DAILY MEAN	1.6	Oct 22	.91	Sep 30	.00	Mar 7 1918
ANNUAL SEVEN-DAY MINIMUM	1.6	Oct 22	1.1	Sep 24	.00	Apr 9 1990
ANNUAL RUNOFF (AC-FT)	105300		121500		189100	
10 PERCENT EXCEEDS	572		573		765	
50 PERCENT EXCEEDS	3.7		2.6		32	
90 PERCENT EXCEEDS	1.8		1.8		2.0	

e Estimated

10219200 CHICKEN CREEK NEAR LEVAN, UT

LOCATION.--Lat 39°33'00", long 111°49'31", in NE¼NE¼SW¼ sec. 33, T. 14 S., R. 1 E., Juab County, Hydrologic Unit 16030005, on left bank 125 ft upstream from county road culvert, 50 ft upstream from diversion structure, 0.5 mi upstream from mouth of canyon, and 2.0 mi east of Levan.

DRAINAGE AREA.--27.9 mi².

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,540 ft above NGVD of 1929, from topographic map. Prior to Jan. 18, 1978 at site 350 ft downstream at different datum. Jan. 18, 1978 to June 19, 1986 at site 600 ft downstream at same datum.

REMARKS.--Records fair Oct. 1 to Mar. 12, except for estimated daily discharges, which are poor, and the period Mar. 13 to Sept. 30, which is good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 390 ft³/s Sept. 8, 1981, gage height, 5.70 ft, from rating curve extended above 250 ft³/s on basis of velocity-area study; no flow Feb. 11, 14, 1966, minimum daily discharge, no flow Dec. 24, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Aug. 6	2400	*11	*21.24				

Minimum daily discharge, 0.02 ft³/s July 22, 23.

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	.91	.91	.38	e.62	.63	.44	2.9	1.9	1.1	.81	.34	.48
2	.91	.93	e.43	e.59	.54	.44	3.0	1.8	1.1	.86	.34	.43
3	.91	.72	e.46	e.64	e.50	.47	3.1	1.8	1.1	.70	.34	.43
4	.91	.65	e.45	e.63	.54	.55	3.5	1.7	1.0	.60	.36	.67
5	.91	.65	e.43	e.68	.54	.77	3.7	1.7	.99	.58	.40	.59
6	.91	.65	.35	e.67	.54	.73	4.0	1.7	1.1	.55	.63	.51
7	.92	.60	.47	.67	.54	.65	3.9	1.7	1.1	.61	3.0	.49
8	.91	.35	e.44	.64	.46	.71	3.7	1.6	.96	.65	.37	.46
9	.91	.39	e.42	e1.1	.44	.55	3.7	2.2	.91	.63	.87	.44
10	.89	.41	e.40	e1.0	.54	.54	3.9	2.0	1.0	.49	.66	.43
11	.77	.35	e.43	.82	.65	2.0	3.8	1.7	1.0	.52	.61	.42
12	.82	.35	e.46	.77	.59	2.8	3.8	1.8	.90	.68	.55	.43
13	.91	.39	e.48	.84	.54	1.2	3.6	1.7	.89	.58	.53	.44
14	.91	.56	e.47	.91	.54	1.2	3.4	1.6	1.0	.45	.53	.42
15	.91	.52	e.44	.84	.54	1.4	3.2	1.6	1.2	.46	.50	.42
16	.91	.42	e.41	e.78	e.54	1.5	3.2	1.5	1.4	.43	.45	.45
17	.86	.39	e.40	e.80	.54	1.5	3.0	1.5	1.2	.36	.61	.43
18	.77	.76	e.42	e.90	e.54	1.5	3.1	1.4	.88	.36	.45	.44
19	.77	.77	e.49	e.82	.54	1.3	3.1	1.4	.77	.35	.36	.54
20	.85	.68	e.54	e.72	.57	1.2	2.8	1.6	.73	.18	.39	.51
21	.87	.71	e.47	e.75	.66	1.4	2.7	1.7	.68	.03	.40	.48
22	.78	.72	e.46	e.77	.87	1.5	2.7	1.6	.47	.02	.47	.45
23	.85	.55	e.49	e.81	.77	1.9	2.6	1.5	.59	.02	.54	.41
24	.77	e.52	e.54	e.85	.77	2.0	2.5	1.4	.66	.32	.47	.37
25	.77	e.49	e.58	.91	.72	2.0	2.4	1.4	.68	.30	.45	.39
26	.72	e.54	e.58	e.85	.65	2.0	2.3	1.5	.70	.27	.46	.45
27	.98	e.56	e.58	e.78	.65	2.2	2.2	1.6	.68	.30	.45	.45
28	1.0	e.54	e.58	e.73	.63	2.2	2.1	1.4	.61	.32	.43	.41
29	.89	e.50	e.56	e.71	.49	2.8	2.0	1.3	.61	.32	.39	.38
30	.89	e.45	e.59	e.69	---	2.7	2.0	1.3	.63	.34	.42	.37
31	.80	---	e.66	.65	---	2.9	---	1.2	---	.34	.52	---
TOTAL	26.89	17.03	14.86	23.94	17.07	45.05	91.9	49.8	26.64	13.43	17.29	13.59
MEAN	.87	.57	.48	.77	.59	1.45	3.06	1.61	.89	.43	.56	.45
MAX	1.0	.93	.66	1.1	.87	2.9	4.0	2.2	1.4	.86	3.0	.67
MIN	.72	.35	.35	.59	.44	.44	2.0	1.2	.47	.02	.34	.37
AC-FT	53	34	29	47	34	89	182	99	53	27	34	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1992, BY WATER YEAR (WY)

MEAN	2.67	2.26	1.85	1.88	2.23	4.16	16.4	36.0	15.5	6.16	4.01	3.05
MAX	8.16	6.97	6.98	6.12	5.56	15.9	90.1	264	115	24.4	14.2	10.5
(WY)	1984	1984	1984	1984	1986	1983	1984	1984	1983	1983	1983	1983
MIN	.22	.30	.023	.020	.016	.34	2.85	1.61	.89	.43	.56	.25
(WY)	1989	1990	1990	1990	1988	1977	1992	1992	1992	1992	1992	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1963 - 1992	
ANNUAL TOTAL	1030.13		357.49			
ANNUAL MEAN	2.82		.98		8.05	
HIGHEST ANNUAL MEAN					41.2	1984
LOWEST ANNUAL MEAN					.98	1992
HIGHEST DAILY MEAN	21	May 10	4.0	Apr 6	380	Jun 1 1983
LOWEST DAILY MEAN	.08	Jan 1	.02	Jul 22	.00	Dec 24 1990
ANNUAL SEVEN-DAY MINIMUM	.12	Jan 1	.16	Jul 20	.01	Dec 12 1989
ANNUAL RUNOFF (AC-FT)	2040		709		5830	
10 PERCENT EXCEEDS	8.3		2.0		17	
50 PERCENT EXCEEDS	1.0		.67		2.9	
90 PERCENT EXCEEDS	.21		.40		.76	

e Estimated

10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW¼NE¼SE¼ sec. 27, T. 15 S., R. 5 W., Millard County, Hydrologic Unit 16030005, on right bank 1.6 mi downstream from highway bridge and 3.5 mi southwest of Lynndyl.

DRAINAGE AREA.--5,966 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1914 to October 1919, October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1979 at site 80 ft upstream. Prior to Apr. 23, 1991 at site 80 ft downstream. Elevation of gage is 4,660 ft above NGVD of 1929, by barometer.

REMARKS.--Records good except for estimated daily discharges, which are poor and the period Dec. 23-Feb. 24, which is fair. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500). Several diversions for irrigation between reservoir and station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,020 ft³/s June 15-17, 1983; minimum, 2.4 ft³/s Jan. 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 647 ft³/s June 18, 21, gage height, 5.81 ft; minimum daily discharge, 9.0 ft³/s Jan. 2, 3.

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	29	62	80	9.4	e14	49	38	596	39	325	325	64
2	20	62	83	9.0	13	50	36	599	33	303	339	55
3	25	62	93	9.0	e12	52	36	600	21	310	411	41
4	29	62	95	10	12	54	35	597	175	317	427	34
5	36	61	105	9.2	12	56	35	585	321	315	435	29
6	52	60	101	9.3	11	57	34	532	325	321	448	27
7	54	60	78	9.7	11	56	30	466	357	402	505	21
8	53	59	66	9.9	11	57	24	469	402	413	483	17
9	53	58	58	11	11	60	24	491	451	411	470	14
10	54	59	58	e11	11	59	22	492	542	415	383	12
11	78	59	62	e11	12	56	19	522	525	413	364	20
12	57	59	60	11	12	54	252	512	521	409	366	20
13	58	59	59	e11	12	54	511	507	508	280	222	19
14	58	61	72	e12	11	53	728	509	557	205	136	24
15	56	64	95	12	11	54	770	527	576	166	115	25
16	58	67	100	e12	12	59	757	525	585	109	111	23
17	57	64	105	e12	12	65	733	518	619	81	106	23
18	58	63	85	e13	12	66	738	506	638	78	92	27
19	57	62	63	e13	12	66	753	494	637	76	395	35
20	57	61	60	13	12	53	665	448	638	84	440	24
21	57	61	89	15	12	47	647	432	622	93	406	18
22	59	60	63	21	13	46	646	373	560	88	275	22
23	57	60	22	72	24	50	636	338	509	72	285	24
24	60	60	24	62	46	48	625	213	475	65	295	25
25	61	59	24	55	47	45	616	227	490	243	287	29
26	61	59	24	35	47	43	618	253	475	264	247	31
27	66	60	24	22	47	42	617	263	419	248	99	32
28	65	62	24	19	47	41	619	254	410	240	60	30
29	64	61	20	15	48	40	611	128	383	219	67	30
30	65	63	11	e15	---	36	591	73	343	216	64	33
31	64	---	9.5	e15	---	34	---	43	---	246	56	---
TOTAL	1678	1829	1912.5	563.5	567	1602	12466	13092	13156	7427	8714	828
MEAN	54.1	61.0	61.7	18.2	19.6	51.7	416	422	439	240	281	27.6
MAX	78	67	105	72	48	66	770	600	638	415	505	64
MIN	20	58	9.5	9.0	11	34	19	43	21	65	56	12
AC-FT	3330	3630	3790	1120	1120	3180	24730	25970	26090	14730	17280	1640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

MEAN	64.9	70.9	69.2	95.9	116	182	299	612	551	467	298	109
MAX	516	469	728	1218	1134	1514	2087	3243	4702	2842	1644	497
(WY)	1985	1985	1986	1984	1984	1983	1984	1984	1983	1983	1983	1984
MIN	22.7	22.6	10.2	6.16	7.23	11.2	25.9	287	116	180	64.0	20.5
(WY)	1968	1958	1963	1963	1978	1975	1952	1957	1964	1961	1965	1961

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	58690.5		63835.0			
ANNUAL MEAN	161		174		245	
HIGHEST ANNUAL MEAN					1369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	776	Jul 5	770	Apr 15	5020	Jun 15 1983
LOWEST DAILY MEAN	9.5	Dec 31	9.0	Jan 2	4.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	17	Feb 17	9.3	Dec 31	4.9	Jan 22 1980
ANNUAL RUNOFF (AC-FT)	116400		126600		177800	
10 PERCENT EXCEEDS	480		523		638	
50 PERCENT EXCEEDS	64		60		70	
90 PERCENT EXCEEDS	20		12		18	

e Estimated

10224000 SEVIER RIVER NEAR LYNNDYL, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1951 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to September 1980, October 1980 to September 1981, continuous.
WATER TEMPERATURES: March 1951 to September 1980, October 1980 to September 1981, continuous.

INSTRUMENTATION.--Conductance and water temperature recorder October 1980 to September 1981.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 8,300 microsiemens Dec. 27, 1962; minimum daily, 395 microsiemens Feb. 17, 1980.
WATER TEMPERATURES: Maximum recorded, 33.0°C Aug. 23, 1981; minimum, 0.0°C on many days during winter period of most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)
NOV												
06...	1130	60	1690	8.4	11.0	8.0	5.7	9.5	640	14	74	470
JAN												
23...	1030	52	2520	8.2	-7.0	0.0	3.8	--	660	K17	K31	660
APR												
30...	1300	583	1950	8.4	19.5	16.0	55	8.1	635	--	--	440
JUL												
22...	1547	90	1920	8.5	29.0	24.0	34	7.2	635	26	25	430
SEP												
08...	1050	18	2800	8.4	29.0	17.0	2.7	8.8	640	20	11	590

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
NOV												
06...	74	69	180	45	4	5.0	5	229	253	250	260	0.3
JAN												
23...	110	93	310	50	5	6.6	--	420	344	410	430	0.4
APR												
30...	67	65	250	55	5	6.2	4	308	259	290	320	0.4
JUL												
22...	61	68	230	53	5	6.4	5	281	239	280	310	0.3
SEP												
08...	72	99	370	57	7	7.7	8	321	276	440	480	0.5

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV											
06...	15	1030	975	1.40	167	0.73	0.01	<0.01	0.74	0.71	0.01
JAN											
23...	21	1600	1590	2.18	225	--	--	--	--	--	--
APR											
30...	20	1140	1180	1.55	1790	0.66	0.02	<0.01	0.68	0.59	0.04
JUL											
22...	18	1130	1120	1.54	275	0.31	0.02	<0.01	0.33	0.32	0.04
SEP											
08...	16	1690	1650	2.30	80.3	--	<0.01	<0.01	0.09	0.09	0.01

K Results based on colony count outside acceptable range (non-ideal colony count).

10224000 SEVIER RIVER NEAR LYNNDYL, UT--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
NOV 06...	0.03	0.04	0.19	0.20	0.94	4.2	0.02	<0.01	0.02	0.01	0.03
APR 30...	0.01	0.01	--	<0.20	--	--	<0.01	<0.01	0.03	<0.01	--
JUL 22...	<0.01	--	0.16	0.20	0.53	2.3	0.03	<0.01	0.03	<0.01	--
SEP 08...	0.02	0.03	0.29	0.30	0.39	1.7	0.01	<0.01	0.01	<0.01	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV 06...	1130	20	79	<3	50	59	7
APR 30...	1300	40	74	<3	35	56	3
JUL 22...	1547	20	73	<3	9	63	2
SEP 08...	1050	20	100	<1	10	80	10

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV 06...	<10	1	<1	<1.0	780	<6
APR 30...	<10	2	<1	<1.0	1000	7
JUL 22...	<10	<1	1	<1.0	910	8
SEP 08...	8	<1	1	<1.0	1100	14

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND	TEMPERATURE WATER (DEG C)	SED. SUSP. SIEVE DIAM. PERCENT FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
JAN 23...	1030	52	0.0	63	23	3.2
JUL 22...	1547	90	24.0	--	119	29
SEP 08...	1050	18	17.0	--	21	1.0

10224100 OAK CREEK ABOVE LITTLE CREEK, NEAR OAK CITY, UT

LOCATION.--Lat 39°21'23", long 112°13'55", in NE¼NE¼NW¼ sec. 7, T. 17 S., R. 3 W., Millard County, Hydrologic Unit 16030005, Fish Lake National Forest, on right bank 0.3 mi upstream from a 12-inch pipeline diversion at Walker's Fork and 5.7 mi east of Oak City.

DRAINAGE AREA.--5.58 mi².

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft³/s Apr. 29, 1973, gage height, 2.21 ft; minimum, 0.03 ft³/s Dec. 31, 1967, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Apr. 13	unknown	*5.5	*1.06				

Minimum discharge, 0.06 ft³/s Aug. 21.

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	.36	.55	e.45	e.41	e.52	.55	2.3	1.9	.64	.31	.13	.18
2	.34	.54	e.50	e.40	e.54	.60	2.4	1.9	.61	.31	.12	.16
3	.31	e.50	e.60	e.45	e.50	.71	2.5	1.9	.62	.26	.12	.16
4	.33	.50	e.60	e.50	e.54	.68	2.7	1.8	.57	.22	.12	.19
5	.34	.52	e.62	e.56	e.50	.71	3.1	1.7	.52	.20	.22	.19
6	.33	.50	e.60	e.54	e.50	.69	3.3	1.6	.49	.20	.19	.16
7	.31	.45	.54	e.52	e.50	.74	3.4	1.6	.51	.27	.16	.17
8	.31	.41	.55	e.48	e.49	.77	3.4	1.5	.49	.30	.14	.16
9	.30	.41	e.54	e.45	e.50	.81	3.5	1.7	.43	.27	.13	.15
10	.29	.41	.54	e.47	e.52	.81	3.7	1.5	.40	.23	.14	.13
11	.30	.41	.53	e.45	e.49	.84	3.9	1.4	.37	.26	.14	.13
12	.31	.41	e.52	e.50	e.45	.88	3.9	1.3	.34	.30	.14	.13
13	.29	.41	e.52	e.45	e.43	.94	4.1	1.2	.36	.30	.12	.15
14	.32	.49	e.50	e.52	e.41	.98	4.2	1.2	.38	.24	.12	.14
15	e.37	.50	.48	e.50	e.39	1.0	4.2	1.1	.39	.25	.16	.14
16	e.45	.49	.50	e.47	e.37	1.1	4.1	1.0	.57	.24	.16	.19
17	e.49	.48	.48	e.49	e.36	1.2	3.9	.95	.40	.22	.14	.17
18	.53	.53	.47	e.47	e.35	1.2	3.9	.88	.34	.21	.13	.20
19	.54	.50	.50	e.47	e.37	1.2	3.7	.87	.29	.21	.12	.21
20	.52	.52	e.45	e.46	e.38	1.2	3.5	.93	.25	.19	.11	.18
21	.55	.53	e.50	e.46	e.38	1.3	3.3	1.0	.18	.20	.11	.18
22	.55	e.52	e.48	e.46	e.40	1.4	3.2	.91	.17	.20	.13	.18
23	.58	e.49	e.46	e.54	e.38	1.4	3.0	.82	.16	.18	.18	.17
24	.53	e.50	.46	e.52	e.36	1.5	2.8	.84	.15	.17	.15	.16
25	.53	e.52	e.47	e.52	.41	1.5	2.6	.80	.17	.17	.15	.18
26	.51	.54	e.42	e.50	.45	1.7	2.4	.79	.19	.18	.15	.19
27	.63	.57	e.41	e.50	.48	1.9	2.2	.79	.17	.17	.14	.19
28	.58	e.54	e.39	e.52	.51	2.0	2.1	.74	.14	.16	.12	.18
29	.61	e.52	e.40	e.52	.53	2.1	2.0	.71	.16	.15	.11	.18
30	.54	e.49	e.41	e.52	---	2.2	1.9	.69	.26	.13	.16	.18
31	e.52	---	e.40	e.50	---	2.3	---	.67	---	.13	.18	---
TOTAL	13.47	14.75	15.29	15.12	13.01	36.91	95.2	36.69	10.72	6.83	4.39	5.08
MEAN	.43	.49	.49	.49	.45	1.19	3.17	1.18	.36	.22	.14	.17
MAX	.63	.57	.62	.56	.54	2.3	4.2	1.9	.64	.31	.22	.21
MIN	.29	.41	.39	.40	.35	.55	1.9	.67	.14	.13	.11	.13
AC-FT	27	29	30	30	26	73	189	73	21	14	8.7	10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	.72	.83	.95	.94	1.26	2.72	8.72	12.9	4.54	1.13	.62	.53
MAX	2.64	3.09	3.03	2.37	4.43	9.68	21.2	41.5	26.1	5.58	2.59	2.25
(WY)	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983
MIN	.35	.43	.40	.49	.40	.48	1.29	1.18	.36	.22	.14	.17
(WY)	1991	1990	1991	1977	1977	1977	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	757.97		267.46			
ANNUAL MEAN	2.08		.73		2.99	
HIGHEST ANNUAL MEAN					10.4	1983
LOWEST ANNUAL MEAN					.67	1977
HIGHEST DAILY MEAN	13	May 16	4.2	Apr 14	73	Apr 29 1973
LOWEST DAILY MEAN	.29	Oct 10	.11	Aug 20	.11	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	.30	Oct 7	.13	Jul 29	.13	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	1500		531		2170	
10 PERCENT EXCEEDS	6.6		1.9		8.0	
50 PERCENT EXCEEDS	.56		.49		.90	
90 PERCENT EXCEEDS	.36		.16		.40	

e Estimated

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'25", in SW¼SW¼SE¼ sec. 18, T. 29 S., R. 6 W., Beaver County, Hydrologic Unit 16030007, on left bank 4.2 mi east of Beaver.

DRAINAGE AREA.--91.0 mi².

PERIOD OF RECORD.--June to September 1906, March 1914 to current year.

REVISED RECORDS.--WDR UT-80-1: 1979.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map. Prior to Mar. 30, 1914, nonrecording gage, and Mar. 30, 1914 to Oct. 15, 1937, water-stage recorder, at site 800 ft upstream at different datum. Oct. 16, 1937 to Mar. 20, 1959, at site 1,800 ft upstream at different datum. Mar. 21, 1959 to Mar. 21, 1978 at site 3,800 ft upstream at different datum. Mar. 21, 1978 to May 28, 1983, at site 1,800 ft upstream at different datum. Datum was raised 1.0 ft June 21, 1985, present location.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion for irrigation above station. Water diverted for hydroelectric power, but returned to stream above station. Some regulation by powerplants and several small reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft³/s July 22, 1936, gage height, 7.27 ft, site and datum then in use, from rating curve extended above 500 ft³/s; minimum daily, 7.2 ft³/s Dec. 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan. 13	1100	(a)	*1.98	May 26	2330	*175	1.62
Apr. 30	2230	150	1.51				

(a) Backwater from ice.

Minimum daily discharge, 11 ft³/s Jan. 23.

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	20	e18	e19	e16	14	18	23	125	82	56	24	23
2	19	19	e18	e14	14	18	24	121	84	36	25	23
3	19	e20	e17	e15	15	19	27	121	91	33	25	23
4	19	20	e16	e14	14	19	32	121	94	31	28	23
5	19	20	e15	16	15	18	38	113	102	30	32	23
6	19	20	e15	16	15	18	33	114	91	30	36	23
7	19	21	15	16	15	18	35	109	83	29	33	22
8	19	21	17	e16	14	18	43	103	76	31	31	23
9	19	20	18	e15	14	18	46	109	72	32	29	22
10	19	20	17	e15	15	17	49	101	70	31	28	21
11	19	20	18	e16	15	18	51	97	68	33	30	21
12	18	19	e18	e16	15	19	55	95	69	33	30	21
13	17	20	e17	e15	15	21	55	96	85	31	29	21
14	15	19	e16	e14	15	21	56	98	82	31	29	20
15	19	19	e15	e15	15	21	56	92	81	31	30	20
16	18	21	e13	e15	15	21	48	88	77	30	29	24
17	18	19	e13	e14	15	20	51	100	72	30	28	22
18	19	20	e13	e14	16	20	62	104	74	29	28	21
19	19	20	e14	e15	16	19	50	109	81	29	28	23
20	20	19	e13	e14	16	20	44	105	80	28	27	20
21	20	21	e14	e13	17	20	47	101	80	28	28	19
22	20	20	e15	e12	17	21	49	92	79	28	24	19
23	21	e19	e14	e11	17	21	47	84	79	28	27	19
24	21	e20	e15	e12	17	21	49	83	76	27	27	19
25	20	e20	e15	e13	16	21	59	86	75	26	28	18
26	20	e20	e14	14	16	21	73	101	75	26	27	19
27	20	21	e15	14	17	22	95	122	72	26	26	18
28	20	21	e15	15	17	23	111	106	68	25	25	18
29	20	e21	e15	14	18	23	119	98	66	24	25	18
30	19	e20	e15	16	---	23	124	99	64	23	25	17
31	e19	---	e16	15	---	22	---	84	---	24	23	---
TOTAL	593	598	480	450	450	619	1651	3177	2348	929	864	623
MEAN	19.1	19.9	15.5	14.5	15.5	20.0	55.0	102	78.3	30.0	27.9	20.8
MAX	21	21	19	16	18	23	124	125	102	56	36	24
MIN	15	18	13	11	14	17	23	83	64	23	23	17
AC-FT	1180	1190	952	893	893	1230	3270	6300	4660	1840	1710	1240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1992, BY WATER YEAR (WY)

MEAN	23.6	21.6	19.5	18.2	18.8	22.4	54.5	171	151	61.7	36.3	25.6
MAX	41.5	47.0	37.7	27.0	27.9	44.9	117	409	638	198	98.0	63.3
(WY)	1915	1984	1984	1942	1984	1916	1943	1984	1983	1983	1983	1983
MIN	13.3	11.7	9.95	9.96	11.4	12.9	18.6	25.7	24.1	14.9	11.8	10.7
(WY)	1978	1978	1977	1977	1977	1977	1975	1977	1934	1977	1977	1977

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915 - 1992	
ANNUAL TOTAL	13664		12782			
ANNUAL MEAN	37.4		34.9		52.1	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	161	Jun 9	125	May 1	884	May 24 1984
LOWEST DAILY MEAN	12	Jan 9	11	Jan 23	7.2	Dec 20 1976
ANNUAL SEVEN-DAY MINIMUM	13	Jan 5	13	Jan 20	8.4	Dec 19 1976
ANNUAL RUNOFF (AC-FT)	27100		25350		37770	
10 PERCENT EXCEEDS	83		85		117	
50 PERCENT EXCEEDS	20		21		25	
90 PERCENT EXCEEDS	14		15		15	

e Estimated

10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE¼SW¼SW¼ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, at right upstream corner of bridge on State Highway 21, 1.6 mi upstream from Indian Creek, and 1.6 mi east of Adamsville.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--December 1913 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map. Prior to Sept. 15, 1936, water-stage recorder and Sept. 15, 1936, to Oct. 15, 1937, nonrecording gage, at site 1.2 mi downstream at different datum. Oct. 16, 1937, to May 28, 1946, water-stage recorder at site 1.3 mi downstream at different datum. May 29, 1946, to Mar. 19, 1970, at site 1.80 mi downstream at different datum. Mar. 20, 1970, to July 25, 1979 at site 450 ft downstream at different datum. July 26, 1979, to Feb. 5, 1992, at site 50 ft upstream at same datum.

REMARKS.--Records fair, except for estimated daily discharges and for flows less than 2.0 ft³/s, which are poor. One small diversion between station and Minersville Reservoir. Several ditches above station divert practically entire flow during irrigation season to supply Adamsville and Beaver irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,700 ft³/s June 19, 20, 1983; no flow during summer and fall months in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71 ft³/s Jan. 20, gage height 3.91 ft; minimum daily discharge, 0.11 ft³/s Sept. 6, 9, 10.

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	.49	40	30	30	38	34	39	.34	1.6	.58	.52	.19
2	.57	41	e32	30	37	33	e36	.69	.60	.55	.59	.16
3	.73	33	e34	e32	36	43	e36	.37	.82	.54	.44	.16
4	.45	38	e35	33	36	55	e35	.35	1.3	.34	.43	.13
5	.37	45	36	33	e35	45	e35	.38	7.7	.23	.64	.13
6	.39	39	38	34	34	39	e33	.33	6.9	.83	.68	.11
7	.52	38	34	33	33	37	e33	.52	2.2	.21	.61	.12
8	1.1	36	33	31	34	42	e32	.51	1.6	.22	.48	.12
9	.48	34	34	31	34	46	e32	.48	1.3	.24	.33	.11
10	.25	34	34	39	34	e45	e31	.38	.94	.32	.31	.11
11	.22	31	33	38	33	e43	25	.33	1.6	.32	.30	.15
12	.20	28	36	38	34	e42	17	.29	1.0	.34	.30	.31
13	.29	27	36	36	36	41	18	.89	.72	.34	.30	.30
14	.29	27	37	e35	36	40	16	.12	.88	.31	.29	.29
15	1.5	29	36	34	35	39	11	.12	.87	.52	.27	.29
16	18	30	34	34	35	37	e8.0	.18	.88	.40	.25	.30
17	18	26	33	41	34	39	e6.0	.24	1.2	.35	.24	.27
18	18	27	31	39	35	39	e4.4	.14	.73	.37	.22	.27
19	15	29	33	31	35	38	e3.1	.13	.85	.39	.22	.29
20	16	31	32	39	35	37	e2.3	.32	1.2	.37	.19	.24
21	17	32	32	33	34	e36	e1.8	3.0	1.2	.35	.19	.25
22	18	30	35	33	35	e34	e5.0	7.4	1.3	.35	.16	.25
23	23	26	34	39	35	e35	e2.6	2.3	1.1	.49	.16	.24
24	36	24	35	40	34	e34	e1.2	1.6	1.3	.43	.14	.20
25	31	30	35	38	34	e34	.44	2.3	1.1	.45	.13	.22
26	29	32	34	36	33	e33	.44	2.9	.78	.49	.12	.23
27	35	35	36	36	34	e34	.58	35	.95	.56	.18	.23
28	41	31	37	35	34	e33	.54	21	.91	.59	.18	.23
29	37	31	31	37	34	36	.42	8.2	.60	.62	.16	.24
30	33	34	29	37	---	43	.36	6.3	.52	.55	.18	.24
31	38	---	30	40	---	42	---	1.3	---	.44	.19	---
TOTAL	430.85	968	1049	1095	1006	1208	466.18	98.41	44.65	13.09	9.40	6.38
MEAN	13.9	32.3	33.8	35.3	34.7	39.0	15.5	3.17	1.49	.42	.30	.21
MAX	41	45	38	41	38	55	39	35	7.7	.83	.68	.31
MIN	.20	24	29	30	33	33	.36	.12	.52	.21	.12	.11
AC-FT	855	1920	2080	2170	2000	2400	925	195	89	26	19	13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1939-92, BY WATER YEAR (WY)

MEAN	19.4	41.4	41.7	39.1	43.4	43.5	32.1	75.0	77.6	15.1	15.8	11.2
MAX	66.9	70.1	62.7	65.6	65.5	85.8	144	622	1113	134	136	49.6
(WY)	1984	1983	1985	1969	1930	1916	1984	1984	1983	1983	1936	1936
MIN	.000	18.0	18.9	19.1	21.5	22.3	1.93	.32	.000	.000	.000	.000
(WY)	1932	1991	1991	1973	1935	1935	1935	1934	1934	1934	1931	1924

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915-36, 1939-92	
ANNUAL TOTAL	6414.37		6394.96			
ANNUAL MEAN	17.6		17.5		37.9	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	67	Feb 23	55	Mar 4	1700	Jun 19 1983
LOWEST DAILY MEAN	.04	Aug 9	.11	Sep 6	.00	May 7 1924
ANNUAL SEVEN-DAY MINIMUM	.06	Aug 7	.12	Sep 4	.00	Aug 7 1924
ANNUAL RUNOFF (AC-FT)	12720		12680		27440	
10 PERCENT EXCEEDS	38		38		60	
50 PERCENT EXCEEDS	17		15		30	
90 PERCENT EXCEEDS	.19		.23		.80	

e Estimated

10238500 MINERSVILLE RESERVOIR NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'05", in SE¼NE¼NW¼ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, at right end of Rocky Ford Dam on Beaver River, 5.0 mi east of Minersville.

DRAINAGE AREA.--534 mi².

PERIOD OF RECORD.--April to August 1915, November 1915 to September 1917, December 1917 to March 1921, June to September 1922, October 1937 to current year. Month-end contents only for some periods, published in WSP 1314. Published as Rockyford Reservoir near Minersville prior to October 1967.

REVISED RECORDS.--WDR UT-75-1: Drainage area.

GAGE.--Staff gage. Datum of gage is at 5,452.0 ft above NGVD of 1929 (levels by Utah Dept. of Natural Resources).

REMARKS.--Reservoir is formed by earthfill dam completed in 1914. Capacity, 24,510 acre-ft between elevation 5,461.3 ft and elevation 5,504.6 ft (spillway crest), rating table in use since 1977 (revised). Capacity fall 1937 to fall 1977, 23,260 acre-ft at elevation 5,502.0 ft (spillway crest). Prior to fall of 1937, the spillway crest was at elevation 5,503.5 ft; capacity, 24,910 acre-ft. Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation in vicinity of Minersville, and Milford.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 26,330 acre-ft, June 24-29, 1969, elevation, 5,504.8 ft (revised); No contents at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 13,410 acre-ft, Apr. 15, elevation, 5,493.0 ft; minimum, 2,460 acre-ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	--	*2,590	--
Oct. 31	--	*3,980	+1,390
Nov. 30	--	*5,730	+1,750
Dec. 31	--	*7,570	+1,840
CAL YR 1992	--	--	-1,800
Jan. 31	--	*9,270	+1,700
Feb. 29	--	*11,150	+1,880
Mar. 31	--	*12,850	+1,700
Apr. 30	--	*11,910	-940
May 31	--	*9,160	-2,750
June 30	--	*6,440	-2,680
July 31	--	*4,160	-2,280
Aug. 31	--	*2,860	-1,300
Sept. 30	--	*2,460	-400
WTR YR 1992	--	--	-130

(*) No gage height reading, contents interpolated.

10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in SE¼NW¼NW¼ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, on right bank and 0.5 mi downstream from Rocky Ford Dam and 4.8 mi east of Minersville.

DRAINAGE AREA.--535 mi².

PERIOD OF RECORD.--December 1913 to September 1936, April 1937 to current year.

REVISED RECORDS.--WSP 1564: 1920, 1924. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Nov. 12, 1916. Elevation of gage is 5,400 ft above NGVD of 1929, by barometer. Prior to June 1, 1916, at site 1,500 ft upstream at different datum.

REMARKS.--Records fair. One small diversion between dam and station. Flow regulated by Minersville Reservoir (formerly published as Rockyford Reservoir). Numerous diversions for irrigation and municipal use above reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft³/s June 12, 1983, gage height, 4.74 ft, from rating curve extended above 500 ft³/s on basis of slope-area measurement of peak flow; minimum daily, 0.4 ft³/s Mar. 20, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 87 ft³/s May 5; minimum daily discharge, 3.4 ft³/s Oct. 15, Nov. 21-27, Sept. 21-26.

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	4.6	4.3	3.8	4.3	5.3	5.7	7.7	86	24	65	39	29
2	4.5	4.3	3.8	4.4	5.2	5.9	7.7	86	30	58	39	29
3	4.0	4.3	3.8	4.3	4.9	6.4	7.7	86	31	55	39	26
4	5.5	4.3	3.8	4.3	4.8	6.5	7.8	86	28	50	41	23
5	8.9	4.0	3.9	4.3	5.0	6.5	7.7	87	24	49	40	23
6	6.3	3.8	3.8	4.3	4.9	6.5	7.7	78	26	50	38	23
7	5.2	4.1	3.9	4.8	4.8	6.5	7.9	71	29	48	35	17
8	5.0	4.2	3.5	4.8	4.8	6.9	7.9	64	27	47	33	5.1
9	6.6	3.9	3.5	4.8	4.8	6.8	8.1	71	30	43	34	3.8
10	4.1	3.8	3.8	4.5	4.8	7.1	8.4	75	37	41	35	11
11	3.9	3.8	3.8	4.1	4.8	6.9	8.3	74	38	40	38	12
12	3.8	3.9	3.8	4.0	4.8	6.4	8.2	72	47	36	40	11
13	3.7	3.8	3.8	4.1	5.3	6.5	8.2	72	51	29	38	11
14	3.5	4.1	3.8	4.3	5.3	6.5	8.5	70	57	23	37	12
15	3.4	4.3	3.8	4.3	5.3	6.5	8.5	67	61	25	39	22
16	3.8	4.3	3.8	4.1	5.3	6.9	8.5	66	61	26	39	17
17	3.6	4.3	3.8	3.8	5.3	7.1	8.4	60	61	27	39	12
18	3.9	4.1	3.8	3.9	5.3	7.1	8.6	56	60	28	38	18
19	4.3	3.8	4.0	4.0	5.3	7.1	8.7	57	61	26	36	18
20	3.9	3.8	4.0	4.1	5.7	7.1	8.4	57	62	24	34	14
21	3.8	3.4	4.3	4.6	5.9	7.2	8.4	56	63	25	33	3.4
22	3.8	3.4	4.2	4.8	6.0	7.3	8.5	56	67	36	32	3.4
23	4.1	3.4	4.0	4.8	5.3	7.6	8.4	55	67	36	32	3.4
24	3.9	3.4	4.3	4.8	5.2	7.6	8.5	54	67	40	33	3.4
25	3.8	3.4	4.3	4.8	5.3	7.3	23	45	49	40	30	3.4
26	3.8	3.4	4.2	4.8	5.3	7.5	39	38	59	37	29	3.4
27	4.3	3.4	4.3	4.8	5.3	7.6	43	37	59	39	29	3.7
28	4.1	3.8	4.3	4.8	5.4	7.8	68	33	63	42	28	3.7
29	4.4	3.8	4.3	5.1	5.3	7.7	76	27	67	45	29	3.5
30	4.3	3.8	4.3	5.2	---	7.8	85	24	65	45	29	4.0
31	4.3	---	4.3	5.3	---	7.8	---	24	---	43	30	---
TOTAL	137.1	116.4	122.8	139.3	150.7	216.1	530.7	1890	1471	1218	1085	372.2
MEAN	4.42	3.88	3.96	4.49	5.20	6.97	17.7	61.0	49.0	39.3	35.0	12.4
MAX	8.9	4.3	4.3	5.3	6.0	7.8	85	87	67	65	41	29
MIN	3.4	3.4	3.5	3.8	4.8	5.7	7.7	24	24	23	28	3.4
AC-FT	272	231	244	276	299	429	1050	3750	2920	2420	2150	738

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-92, BY WATER YEAR (WY)

MEAN	12.6	10.5	11.4	11.8	11.5	15.6	29.3	98.4	108	82.1	64.3	33.7
MAX	57.8	51.8	97.8	121	55.8	76.7	196	457	926	215	143	104
(WY)	1938	1984	1942	1984	1985	1983	1984	1984	1983	1983	1986	1983
MIN	2.85	3.19	2.67	2.95	3.54	4.69	6.05	27.8	21.0	7.84	7.61	4.59
(WY)	1977	1978	1978	1978	1978	1978	1991	1977	1919	1919	1919	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1915-36, 1938-92	
ANNUAL TOTAL	7150.6		7449.3			
ANNUAL MEAN	19.6		20.4		40.6	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					12.6	1960
HIGHEST DAILY MEAN	75	Jul 18	87	May 5	1210	Jun 20 1983
LOWEST DAILY MEAN	2.9	Jan 1	3.4	Oct 15	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	3.2	Jan 1	3.4	Nov 21	1.5	Oct 24 1914
ANNUAL RUNOFF (AC-FT)	14180		14780		29380	
10 PERCENT EXCEEDS	54		58		102	
50 PERCENT EXCEEDS	5.9		7.1		14	
90 PERCENT EXCEEDS	3.8		3.8		4.7	

10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in SE¼SE¼NE¼ sec. 13, T. 36 S., R. 11 W., Iron County, Hydrologic Unit 16030006, on right bank, 1.2 mi east of Cedar City, and 3.7 mi downstream (revised) from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi².

PERIOD OF RECORD.--May to September 1915 (gage heights and discharge measurements only), October 1915 to July 1916, September 1916 to July 1918, September 1918 to November 1919, May 1935 to September 1937, April 1938 to current year. Records prior to November 1919 exclude flow of power canal; records would be equivalent if flow in canal were added.

REVISED RECORD.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since Aug. 1, 1989. Concrete control since July 1972, rebuilt July 29, 1988. Elevation of gage is 6,000 ft above NGVD of 1929, from topographic map. Prior to Mar. 30, 1939, nonrecording gages and Mar. 30, 1939 to May 14, 1945, water-stage recorder at several sites about 0.5 mi upstream at various datums. May 15, 1945 to Oct. 10, 1951, May 4 to July 2, 1952, water-stage recorder at site 2 mi upstream at different datum. July 3, 1952 to Nov. 17, 1967, water-stage recorder at site 600 ft upstream at different datum.

REMARKS.--Records fair except Apr. 3-11, May 22-26, June 4-19, Aug. 31 to Sept. 23 and estimated daily discharges, which are poor. No diversion above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 ft³/s July 23, 1969, gage height, 11.67 ft from flood-mark, based on slope-area measurement of July 16, 1967 and applied to site and datum now in use; minimum daily discharge, 2.1 ft³/s Nov. 3, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Aug. 23	0400	e*950	*6.64	No other peak greater than base discharge.			

Minimum daily, 6.2 ft³/s Dec. 2.

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	e7.3	e15	e7.0	e6.5	9.2	15	20	169	51	15	9.7	12
2	e7.1	e15	e6.2	e6.7	8.7	12	21	165	42	15	9.1	11
3	6.9	e9.7	7.8	9.7	8.1	13	26	174	58	14	9.2	11
4	6.5	16	8.8	9.4	8.3	12	28	160	42	13	10	10
5	6.5	21	8.9	8.2	8.2	10	27	163	36	13	9.6	10
6	6.4	20	9.2	8.4	8.2	10	29	155	34	13	16	9.8
7	6.4	18	9.7	8.5	7.9	9.8	26	134	32	14	11	9.7
8	6.7	16	9.6	e6.3	8.0	10	36	120	30	15	9.3	9.6
9	6.8	16	8.8	e7.0	8.0	9.6	60	125	28	15	8.3	9.4
10	6.6	17	e9.0	e8.8	8.1	10	58	106	27	13	11	9.2
11	6.6	14	e9.0	8.6	8.0	13	54	98	27	13	14	9.2
12	6.7	11	e8.5	7.0	7.9	16	e44	97	25	13	13	9.1
13	6.7	9.3	e9.4	7.7	8.2	18	e47	93	24	19	21	8.9
14	6.7	9.9	e9.8	10	8.2	18	e67	85	23	20	9.7	8.6
15	6.8	9.8	e11	9.4	7.7	17	77	73	22	14	10	8.8
16	6.8	11	e11	9.8	e7.7	17	73	67	21	12	e9.4	9.3
17	7.0	e11	11	9.4	e8.4	16	89	65	20	16	e9.0	9.2
18	7.0	e13	11	e9.3	e8.2	12	105	64	19	14	e8.9	15
19	7.1	e10	10	e9.1	8.9	11	72	62	18	12	8.3	11
20	7.3	e12	9.1	e9.1	8.8	12	58	61	17	11	8.1	9.4
21	7.3	e15	9.8	e9.1	8.5	14	69	64	16	11	7.9	9.1
22	7.4	e9.3	9.7	e9.1	9.9	12	89	57	16	11	9.6	9.2
23	9.8	e7.1	9.5	e9.1	8.8	12	90	51	17	10	e35	9.0
24	12	e11	e9.6	e9.1	8.5	12	110	64	17	9.7	e14	8.9
25	9.2	e12	e10	e9.0	10	14	130	60	18	9.4	13	8.7
26	8.5	12	e11	8.9	11	14	154	71	16	8.9	12	8.7
27	16	11	e8.8	9.2	13	17	162	79	16	9.0	9.0	8.4
28	11	9.1	9.0	9.4	16	18	178	66	15	9.0	8.2	8.3
29	10	e7.2	8.3	e8.7	18	20	180	64	15	8.2	7.9	8.3
30	12	e6.7	8.0	e9.0	---	19	179	65	14	8.4	19	8.2
31	e11	---	7.8	e9.5	---	20	---	59	---	9.2	24	---
TOTAL	250.1	375.1	286.3	269.0	268.4	433.4	2358	2936	756	387.8	374.2	287.0
MEAN	8.07	12.5	9.24	8.68	9.26	14.0	78.6	94.7	25.2	12.5	12.1	9.57
MAX	16	21	11	10	18	20	180	174	58	20	35	15
MIN	6.4	6.7	6.2	6.3	7.7	9.6	20	51	14	8.2	7.9	8.2
AC-FT	496	744	568	534	532	860	4680	5820	1500	769	742	569

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

MEAN	12.4	11.4	10.2	9.84	11.7	17.2	56.3	142	66.3	21.7	17.4	13.5
MAX	38.4	24.1	21.3	17.7	18.6	36.0	140	489	428	69.9	59.7	37.1
(WY)	1973	1988	1984	1984	1947	1986	1985	1973	1983	1983	1968	1967
MIN	6.17	5.95	5.78	6.41	7.40	9.10	17.1	19.0	11.6	7.61	5.94	6.33
(WY)	1991	1978	1991	1951	1960	1951	1975	1977	1989	1959	1960	1956

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1939 - 1992	
ANNUAL TOTAL	7453.4		8981.3			
ANNUAL MEAN	20.4		24.5		32.6	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	117	May 26	180	Apr 29	1080	May 31 1983
LOWEST DAILY MEAN	6.2	Dec 2	6.2	Dec 2	2.1	Nov 3 1990
ANNUAL SEVEN-DAY MINIMUM	6.6	Oct 4	6.6	Oct 4	2.5	Oct 28 1990
ANNUAL RUNOFF (AC-FT)	14780		17810		23620	
10 PERCENT EXCEEDS	52		65		74	
50 PERCENT EXCEEDS	10		11		13	
90 PERCENT EXCEEDS	7.5		7.8		7.5	

e Estimated

GREAT SALT LAKE BASIN

Compilation of data through the 300 ft breach opening

Lat 41°13'20", long 112°50'30"
1.2 mi east of Lakeside and 1500 ft
east of west shore

Date of measurement		Discharge (ft^3/s)	Specific gravity	Temperature (°C)
Dec. 6, 1991	(a)	187	1.165	4.0
	(b)	0	--	--
Apr. 17, 1992	(a)	342	1.100	17.0
	(b)	0	--	--
Aug. 25	(a)	18	--	--
	(b)	0	--	--
Sep. 29	(a)	22	--	--
	(b)	0	--	--

(a) indicates flow from south to north
(b) indicates flow from north to south

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		WEBER RIVER BASIN				
10132500 Lost Creek	Weber River	Lat 41°10'35", long 111°24'20" Morgan County, 9.5 mi northeast of Croydon.	133 mi^2	1922* 1942-67* 1988-89	10-01-91 4-20-92 6- 1-92 7-13-92 8-24-92	11 11 37 25 11

* Operated as a continuous gaging station.

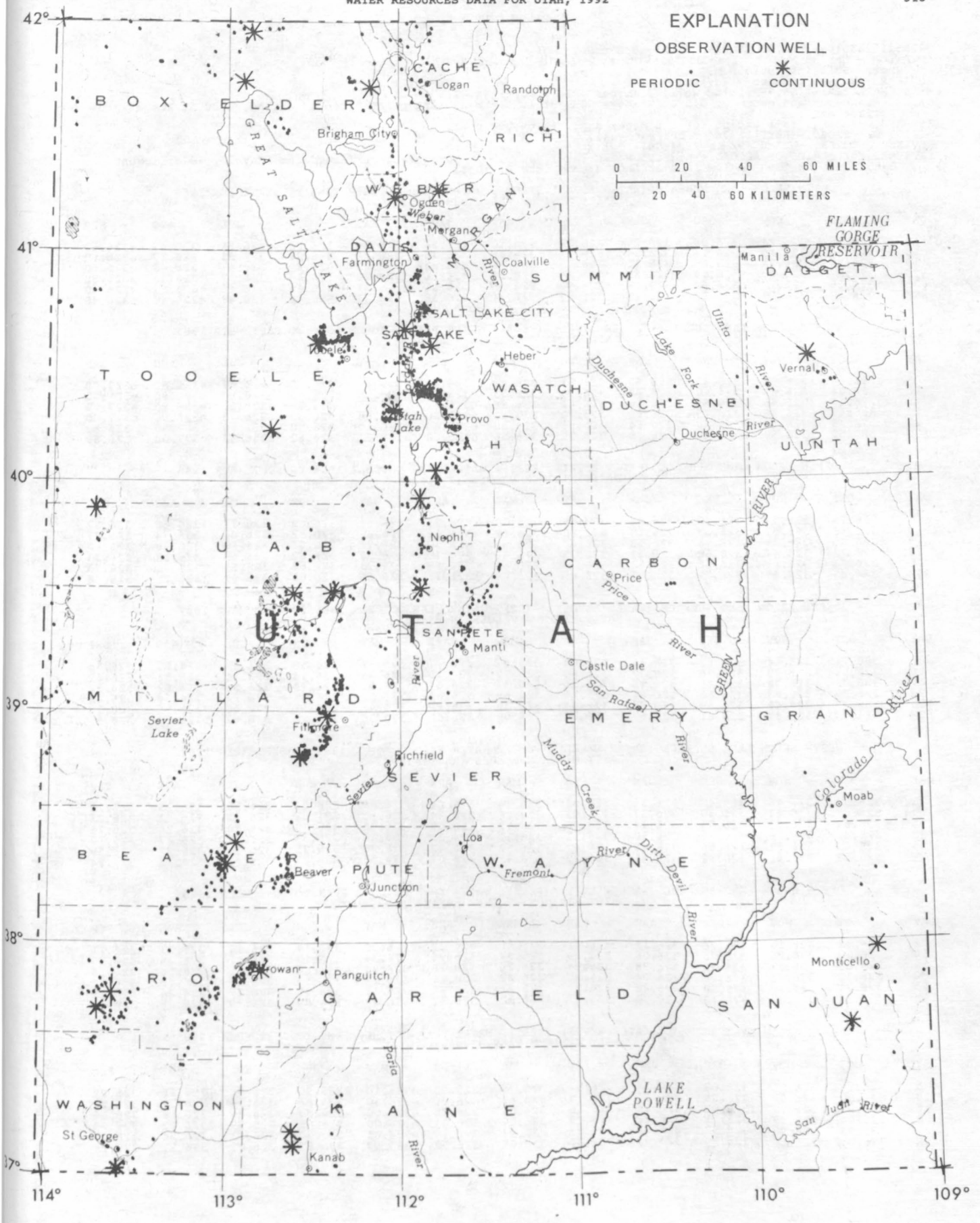


Figure 13. Location of observation wells in Utah where data were obtained on ground-water levels.

382551112555101. LOCAL NUMBER, (C-27-10)25cbd-1.
LOCATION.--Lat 38°25'51", long 112°55'51", Hydrologic Unit 16030007.
Owner: Phillips Petroleum.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled well, diameter 6 in., depth 400 ft.
DATUM.--Land-surface datum is 5,320 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records fair except for estimated days, which are poor.
PERIOD OF RECORD.--April 1976 to current year.
REVISED RECORDS.--WDR UT-92-1: 1984-90.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 323.75 ft below land-surface datum, May 15, 1976; lowest, 327.14 ft (revised) below land-surface datum, Oct. 4, 1985.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.28	326.24	326.06	326.24	326.33	326.40	326.26	326.28	326.28	326.51	326.47	e326.60
10	326.30	326.19	326.14	326.14	326.12	326.35	326.15	326.24	326.24	326.53	326.37	e326.60
15	326.34	326.24	325.86	326.51	326.48	326.30	326.33	326.23	326.41	326.47	326.49	e326.60
20	326.27	326.00	326.09	326.39	326.36	326.26	326.26	326.26	326.44	326.37	326.53	e326.50
25	326.28	326.10	326.22	326.19	326.22	326.18	326.06	326.33	326.44	326.45	326.54	e326.50
EOM	326.23	326.13	326.32	326.29	326.27	326.24	326.38	326.33	326.42	326.47	e326.40	e326.40

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e326.40	326.51	326.66	e326.60	326.57	326.49	326.49	326.64	e326.60	326.60	e326.80	e327.00
10	326.44	326.43	326.40	e326.60	326.75	326.53	326.41	326.56	e326.60	e326.60	e326.90	e327.00
15	326.48	326.48	326.55	e326.60	326.41	326.56	e326.60	326.55	326.54	e326.60	e326.90	e327.00
20	326.44	326.46	326.45	e326.60	326.19	326.60	e326.60	326.66	326.53	e326.70	e326.90	e327.00
25	326.48	326.54	e326.60	326.64	326.55	326.50	e326.60	e326.50	326.58	e326.70	326.90	326.88
EOM	326.50	326.69	e326.60	326.58	326.59	326.66	e326.60	e326.60	326.62	e326.80	e327.00	326.89

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.75	326.73	326.60	326.64	326.55	326.70	326.73	326.54	326.69	326.73	326.68	326.67
10	326.93	326.69	326.65	326.68	326.68	326.62	326.62	326.66	326.82	326.67	326.74	326.77
15	326.85	326.71	326.71	326.58	326.63	326.66	326.59	326.74	326.66	326.67	326.70	326.72
20	326.73	326.44	326.68	326.51	326.75	326.84	326.70	326.63	326.67	326.66	326.68	326.73
25	326.77	326.61	326.66	326.83	326.70	326.66	326.65	326.73	326.63	326.61	326.70	326.70
EOM	326.65	326.45	326.72	326.71	326.65	326.68	326.77	326.66	326.68	326.67	326.71	326.66

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.74	326.54	326.62	326.44	326.89	326.64	326.77	326.62	326.58	326.57	326.55	326.58
10	326.54	326.70	326.70	326.77	326.64	326.70	326.48	326.55	326.56	326.54	326.53	326.52
15	326.72	326.73	326.71	326.45	326.56	326.37	326.64	326.59	326.49	326.51	326.62	326.52
20	326.80	326.73	326.66	326.81	326.74	326.69	326.83	326.57	326.55	326.64	326.56	326.65
25	326.77	326.48	326.68	326.87	326.84	326.76	326.66	326.45	326.57	326.60	326.59	326.53
EOM	326.73	326.87	326.61	326.67	326.74	326.59	326.52	326.55	326.55	326.62	326.58	326.55

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.58	326.46	326.45	326.34	326.53	326.44	326.64	326.28	326.24	326.35	326.25	326.23
10	326.67	326.64	326.50	326.37	326.42	326.26	326.34	326.52	326.33	326.21	326.24	326.23
15	326.64	326.67	326.54	326.14	326.28	326.12	326.45	326.38	326.33	326.30	326.24	326.26
20	326.61	326.26	326.71	326.50	326.51	326.31	326.31	326.46	326.33	326.33	326.27	326.12
25	326.69	326.32	326.66	326.45	326.42	326.52	326.47	326.38	326.31	326.31	326.22	326.35
EOM	326.53	326.61	326.72	326.41	326.29	326.43	326.07	326.56	326.27	326.21	326.25	326.24

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.32	326.25	326.24	326.12	326.41	326.40	326.29	326.30	326.12	326.18	326.23	326.21
10	326.30	326.25	326.25	326.08	326.29	326.37	326.09	326.37	326.17	326.12	326.26	326.25
15	326.35	326.37	326.25	326.38	326.48	326.26	326.18	326.34	326.08	326.11	326.18	326.16
20	326.32	326.32	326.28	326.24	326.35	326.41	326.26	326.13	326.10	326.18	326.19	326.18
25	326.34	326.19	325.98	326.41	326.34	326.21	326.36	326.17	326.20	326.17	326.24	326.15
EOM	326.30	326.37	326.13	326.08	326.17	326.12	326.32	326.28	326.09	326.19	326.26	326.03

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MINIMUM VALUES (Revised)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	326.16	326.01	326.03	326.17	326.07	325.76	325.93	e326.10	e325.90	325.90	326.16	326.22
10	326.00	326.07	326.04	326.14	326.19	325.83	326.06	e326.10	325.86	325.96	326.20	326.22
15	326.00	326.20	326.05	326.15	326.15	326.05	325.86	e326.00	325.85	325.86	326.18	326.16
20	326.04	325.99	326.21	326.22	326.19	326.04	326.01	e326.00	325.88	325.99	326.23	326.29
25	325.93	326.00	326.12	325.96	326.01	325.97	326.14	e326.00	325.92	326.03	326.24	326.21
EOM	326.05	326.10	326.16	325.91	326.06	326.05	326.02	325.99	325.99	326.05	326.21	326.28

BEAVER COUNTY--Continued

382551112555101. LOCAL NUMBER, (C-27-10)25cbd-1--Continued.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	325.80	325.79	325.82	325.74	325.76	325.77	325.77	325.74	325.66	325.81	325.83	325.70
10	325.77	325.88	325.80	325.69	325.76	325.84	325.81	325.83	325.77	325.70	325.83	325.65
15	325.67	325.84	325.93	325.93	325.73	325.72	325.83	325.77	325.73	325.82	325.74	325.72
20	325.70	325.86	326.09	325.75	325.75	325.59	325.78	325.69	325.76	325.72	325.70	325.78
25	325.83	325.84	325.79	325.74	325.82	325.76	325.80	325.72	325.72	325.86	325.83	325.91
EOM	325.96	326.00	325.98	325.73	325.61	325.78	325.71	325.80	325.71	325.87	325.69	325.85

382020112585901. LOCAL NUMBER, (C-28-10)28cdd-1.
LOCATION.--Lat 38°20'20", Long 112°58'59", Hydrologic Unit 16030007.
Owner: Wiseman.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in., depth 360 ft, cased to 60 ft.
DATUM.--Land-surface datum is 5,019 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records fair except for estimated days, which are poor.
PERIOD OF RECORD.--April 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.99 ft below land-surface datum, Sep. 30, Oct. 1, 1984; lowest, 68.39 ft below land-surface datum, Aug. 30, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e53.10	45.61	44.57	44.19	44.14	43.93	43.88	e54.20	e59.50	66.56	65.57	65.31
10	e48.50	45.39	44.48	44.20	44.11	43.92	44.10	e56.50	e60.30	65.73	65.95	59.77
15	e46.90	45.07	44.45	44.20	44.09	43.94	45.35	e57.20	e60.90	66.44	66.87	56.29
20	46.85	44.89	44.34	44.18	44.09	43.91	47.73	e58.10	62.71	63.90	66.65	53.09
25	46.30	44.75	44.32	44.15	44.09	43.89	49.57	e58.50	64.16	61.43	66.81	51.26
EOM	45.91	44.64	44.27	44.15	44.03	43.88	e52.10	e59.10	65.80	62.71	67.21	50.12

BOX ELDER COUNTY

414236112101201. LOCAL NUMBER, (B-11-3)10abb-4.
LOCATION.--Lat 41°42'36", long 112°10'12", Hydrologic Unit 16010204.
Owner: Rocky Mountain Packing Company.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 705 ft, cased to 437 ft.
DATUM.--Land-surface datum is 4,318 ft above NGVD of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--October 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.00 ft below land-surface datum, July 27, Sep. 12, 1984; lowest, 25.34 ft below land-surface datum, May 3-8, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.81	23.78	23.89	24.07	24.45	24.64	24.98	25.34	25.22	25.06	24.91	24.75
10	23.83	23.74	23.90	24.14	24.43	24.69	25.06	25.30	25.20	25.08	24.90	24.74
15	23.82	23.68	23.96	24.19	24.43	24.80	25.09	25.30	25.15	25.03	24.90	24.67
20	23.79	23.74	23.94	24.29	24.52	24.84	25.19	25.30	25.16	25.01	24.85	24.69
25	23.69	23.85	24.05	24.34	24.64	24.86	25.29	25.31	25.11	24.97	24.80	24.70
EOM	23.67	23.74	24.05	24.44	24.69	24.92	25.27	25.26	25.05	24.96	24.79	24.76

414411112543701. LOCAL NUMBER, (B-12-9)30cda-1.
LOCATION.--Lat 41°44'11", long 112°54'37", Hydrologic Unit 16020309.
Owners: U.S. Geological Survey.
AQUIFER.--Basalt.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 162 ft, cased to 131 ft.
DATUM.--Land-surface datum is 4,239 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.08 ft below land-surface datum, May 25, 31, July 25, 1987; lowest, 25.72 ft below land-surface datum, Sept. 25, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.52	25.50	25.47	25.38	25.33	25.25	25.15	25.13	25.33	25.50	25.61	25.67
10	25.52	25.49	25.46	25.39	25.31	25.27	25.15	25.13	25.36	25.52	25.65	25.70
15	25.50	25.49	25.46	25.40	25.29	25.23	25.13	25.18	25.37	25.55	25.64	25.69
20	25.49	25.48	25.46	25.36	25.28	25.22	25.13	25.19	25.43	25.54	25.63	25.70
25	25.48	25.47	25.43	25.35	25.30	25.21	25.13	25.25	25.45	25.58	25.66	25.72
EOM	25.51	25.49	25.42	25.34	25.25	25.18	25.10	25.31	25.48	25.60	25.61	25.71

BOX ELDER COUNTY--Continued

415703112514501. LOCAL NUMBER, (B-14-9)9add-1.
LOCATION.--Lat 41°57'03", long 112°51'45", Hydrologic Unit 16020309.
Owner: Cyprus Farms Inc.
AQUIFER.--Basalt.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 20 in., depth 400 ft, cased to 395 ft.
DATUM.--Land-surface datum is 4,384 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Records good except for estimated days, which are fair.
PERIOD OF RECORD.--July 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.12 ft below land-surface datum, Apr. 16, 1988; lowest, 180.24 ft below land-surface datum, July 6, 7, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	171.65	168.71	167.12	166.10	165.71	165.21	164.90	175.15	e178.60	180.05	178.74	177.22
10	171.99	168.35	166.95	166.18	165.55	165.30	165.54	176.17	e178.70	179.94	179.48	176.07
15	172.67	167.94	166.89	166.22	165.44	165.02	167.13	177.02	e178.80	179.60	178.96	177.85
20	172.06	167.75	166.81	166.00	165.43	165.02	170.43	177.67	e179.00	177.32	179.17	179.22
25	170.24	167.39	166.56	165.87	165.56	165.07	172.34	178.31	e179.40	176.39	179.57	179.21
EOM	169.37	167.42	166.48	165.68	165.20	165.01	173.83	e178.50	e179.80	176.97	178.38	179.85

IRON COUNTY

375241112471001. LOCAL NUMBER, (C-34-8)5bca-1.
LOCATION.--Lat 37°52'41", long 112°47'10", Hydrologic Unit 16030006.
Owner: Paragonah Canal Company.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISITCS.--Drilled unused artesian well, diameter 12 in., depth 420 ft.
DATUM.--Land-surface datum is 5,802 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--September 1935 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.45 ft below land-surface datum, June 26, 1949; lowest, 51.88 ft below land-surface datum, Sept. 30, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.33	47.87	48.33	48.75	49.03	49.25	49.38	49.48	49.88	50.33	50.88	51.36
10	47.39	47.93	48.38	48.80	49.05	49.28	49.40	49.58	49.98	50.42	50.98	51.49
15	47.46	48.00	48.46	48.87	49.09	49.28	49.43	49.66	50.04	50.56	51.03	51.57
20	47.56	48.10	48.56	48.90	49.18	49.28	49.43	49.77	50.06	50.60	51.10	51.67
25	47.69	48.18	48.58	48.92	49.21	49.35	49.44	49.64	50.16	50.71	51.23	51.76
EOM	47.80	48.23	48.73	48.97	49.20	49.35	49.44	49.80	50.23	50.80	51.34	51.86

374252113391801. LOCAL NUMBER, (C-35-16)33bcc-1.
LOCATION.--Lat 37°42'52", long 113°39'18", Hydrologic Unit 16030006.
OWNER.--Charles F. Twitchell
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 16 in., depth 160 ft.
DATUM.--Land-surface datum is 5,175.11 ft above NGVD of 1929. Measuring point: Top of casing, 0.55 ft above land-surface datum.
REMARKS.--There are several nearby pumped wells. Records good.
PERIOD OF RECORD.--September 1947 to 1953, 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.06 ft below land-surface datum, Sept. 11, 1947; lowest, 117.79 ft below land-surface datum, Aug. 26, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	114.32	112.85	111.50	110.24	109.50	108.77	108.02	109.21	111.74	114.50	116.15	116.67
10	114.12	112.63	111.24	110.16	109.37	108.63	107.89	109.95	111.50	115.07	116.54	116.35
15	114.01	112.41	111.16	110.19	109.15	108.44	107.75	110.35	111.38	115.69	116.95	116.15
20	113.86	112.10	111.12	109.92	109.11	108.23	107.68	111.08	112.00	115.92	117.17	116.15
25	113.56	111.90	110.80	109.75	109.04	108.20	107.91	111.63	112.92	115.57	117.65	116.57
EOM	113.22	111.80	110.67	109.57	108.75	108.12	108.50	112.17	113.71	115.56	117.08	116.33

373735113393801. LOCAL NUMBER, (C-36-16)29daa-1.
LOCATION.--Lat 37°37'35", long 113°39'38", Hydrologic Unit 16030006.
Owner: George Gardner.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in., depth 380 ft.
DATUM.--Land-surface datum is 5,233.36 ft above NGVD of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--There are several nearby pumped wells. Records good except for estimated days, which are poor.
PERIOD OF RECORD.--October 1989 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 167.63 ft below land-surface datum, Apr. 12, 1990; lowest, 190.21 ft below land-surface datum, Aug. 19, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	181.95	180.09	178.84	177.50	176.78	176.02	175.07	177.66	178.16	185.14	e186.00	184.52
10	181.55	179.90	178.61	177.60	176.60	176.03	175.02	178.47	178.67	186.73	e186.60	183.97
15	181.12	179.49	178.61	177.61	176.39	175.64	175.30	179.13	179.11	186.61	e187.40	184.08
20	180.82	179.55	178.44	177.29	176.40	175.42	174.93	179.77	181.09	183.88	187.30	183.81
25	180.65	179.19	178.15	177.06	176.36	175.38	175.24	179.18	182.57	e184.60	186.61	183.88
EOM	180.56	179.05	178.06	176.86	175.97	175.24	176.62	178.55	184.96	e185.30	184.69	183.45

JUAB COUNTY

395259113430401. LOCAL NUMBER, (C-11-17)12cbb-1.
LOCATION.--Lat 39°52'59", long 113°43'04", Hydrologic Unit 16020306.
Owner: Dorcy Sabey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth unknown.
DATUM.--Land-surface datum is 4,390.00 ft NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--October 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.82 ft below land-surface datum, June 26, 1987; lowest, 55.11 ft below land-surface datum, Aug. 6, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.44	52.65	52.34	52.20	52.13	52.09	52.07	52.70	52.54	52.54	52.84	53.63
10	52.44	52.56	52.32	52.20	52.12	52.10	52.09	52.78	52.57	52.80	53.06	53.63
15	52.75	52.50	52.30	52.21	52.12	52.07	52.18	52.78	52.69	52.78	53.11	53.40
20	53.15	52.45	52.30	52.17	52.12	52.06	52.29	52.44	52.53	52.59	53.35	53.31
25	52.95	52.40	52.27	52.16	52.13	52.07	52.47	52.50	52.62	52.83	53.38	53.48
EOM	52.75	52.38	52.25	52.14	52.09	52.06	52.54	52.34	52.55	52.99	53.51	53.70

393143111523301. LOCAL NUMBER, (C-15-1)12aba-1.
LOCATION.--Lat 39°31'43", long 111°52'33", Hydrologic Unit 16030005.
Owner: R. C. Mangelson.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 6 in., depth 117 ft, cased to 117 ft.
DATUM.--Land-surface datum is 5,196.90 ft above NGVD of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1935 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.41 ft below land-surface datum, May 21, 1985; lowest recorded, 71.08 ft below land-surface datum, Aug. 25, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	64.80	65.01	65.10	65.15	65.22	65.15	65.15	66.01	68.01	69.37	70.59	e70.97
10	64.86	65.01	65.10	65.18	65.20	65.18	65.15	66.40	68.25	69.64	70.72	e70.92
15	64.89	65.00	65.13	65.20	65.16	65.15	65.14	66.67	68.49	69.84	70.78	e70.86
20	64.91	65.05	65.16	65.19	65.17	65.14	65.23	67.14	68.77	70.03	70.86	e70.81
25	64.94	65.06	65.15	65.20	65.18	65.16	65.30	67.47	69.04	70.22	71.03	e70.76
EOM	64.98	65.08	65.17	65.20	65.15	65.15	65.67	67.71	69.27	70.43	e71.02	e70.71

KANE COUNTY

370901112335001. LOCAL NUMBER, (C-42-6)18cca-1 (previously reported 19baa-1).
LOCATION.--Lat 37°09'15", long 112°34'13"(REVISED), Hydrologic Unit 15010003.
Owner: Kanab City.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in.(revised), depth 560 ft.
DATUM.--Land-surface datum is 5,660.00 ft above NGVD of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.51 ft below land-surface datum, Jan. 18, 1988; lowest, 167.40 ft below land-surface datum, Apr. 8, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.05	164.22	164.27	163.89	164.10	164.01	164.05	164.10	163.86	164.14	164.14	164.23
10	164.23	164.07	164.17	164.34	164.02	164.26	164.13	163.81	164.09	164.06	164.19	164.27
15	164.06	163.67	164.53	164.26	163.90	164.21	164.03	163.95	163.89	164.01	164.23	164.21
20	163.91	164.42	164.10	164.25	164.27	164.16	164.05	164.02	164.08	163.95	164.16	164.21
25	163.87	164.25	164.15	164.28	164.39	164.34	164.17	164.04	164.05	164.18	164.21	164.14
EOM	164.08	163.81	164.15	164.26	164.18	164.22	163.93	164.09	163.93	164.15	164.15	164.48

370523112334702. LOCAL NUMBER, (C-42-6)30dcc-2.
LOCATION.--Lat 37°05'23", long 112°33'47", Hydrologic Unit 15010003.
Owner: Kanab City.
AQUIFER.--Consolidated Navajo Sandstone.
WELL CHARACTERISTICS.--Drilled well, diameter 6 in., depth 230 ft.
DATUM.--Land-surface datum is 5,280.00 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.30 ft below land-surface datum, Apr. 25, 1986; lowest, 64.71 ft below land-surface datum, June 2, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	62.28	63.13	61.71	61.63	60.74	60.34	62.46	63.86	64.16	64.45	64.37	63.58
10	62.08	e62.90	61.53	61.48	60.66	60.31	62.76	64.12	64.19	64.26	63.93	63.78
15	61.92	e62.60	61.45	61.30	60.51	60.81	63.01	64.29	63.68	63.82	63.81	63.76
20	61.91	e62.30	61.34	61.07	60.48	61.42	63.25	64.37	63.88	63.71	63.52	63.62
25	62.46	62.04	61.19	60.95	60.42	61.89	63.48	64.48	63.49	64.35	63.31	63.29
EOM	63.11	61.85	61.08	60.84	60.34	62.13	63.70	64.60	64.05	64.27	63.57	63.08

MILLARD COUNTY

393046112231301. LOCAL NUMBER, (C-15-5)15dad-1.
LOCATION.--Lat 39°30'46", long 112°23'13", Hydrologic Unit 16030005.
Owner: Anaconda Copper Co.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in., depth 1,190 ft, cased to 1,115 ft, perforated 860-1,050 ft.
DATUM.--Land-surface datum is 4,780 ft above NGVD of 1929. Measuring point: Top of 12-in. casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 99.03 ft below land-surface datum, Apr. 2, 1986; lowest, 174.62 ft below land-surface datum, Aug. 24, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	127.93	122.49	119.78	118.01	116.23	114.37	126.14	134.32	134.32	132.54	135.57	137.29
10	126.86	121.80	119.56	118.01	115.95	114.28	127.93	134.13	133.04	133.04	136.13	137.42
15	125.90	121.27	119.31	117.75	115.54	113.86	128.04	134.55	132.40	132.94	137.59	137.69
20	124.90	120.95	119.15	117.20	115.29	118.13	129.98	135.74	132.78	132.79	137.21	138.05
25	123.81	120.67	118.69	117.01	115.20	122.19	131.77	136.92	132.42	133.53	136.89	139.30
EOM	123.11	120.14	118.34	116.69	114.71	124.25	133.16	135.37	131.97	134.18	137.41	141.36

393020112362201. LOCAL NUMBER, (C-15-7)23bac-1.
LOCATION.--Lat 39°30'20", long 112°36'22", Hydrologic Unit 16030007.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 182 ft.
DATUM.--Land-surface datum is 4,629 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.57 ft below land-surface datum, Mar. 3, 1989; lowest, 15.91 ft below land-surface datum, Oct. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.65	11.54	11.16	10.94	10.70	10.19	9.87	9.96	10.57	11.19	11.60	11.94
10	11.71	11.45	11.14	11.02	10.59	10.15	9.86	10.00	10.66	11.28	11.64	11.99
15	11.64	11.30	11.17	11.02	10.49	10.06	9.83	10.11	10.72	11.37	11.70	11.99
20	11.64	11.29	11.13	10.94	10.45	10.00	9.86	10.27	10.83	11.41	11.73	12.01
25	11.56	11.25	11.08	10.86	10.42	9.98	9.90	10.39	10.96	11.51	11.80	12.03
EOM	11.59	11.17	11.06	10.77	10.27	9.91	9.89	10.50	11.07	11.57	11.84	12.05

385844112245801. LOCAL NUMBER, (C-21-5)21aba-1.
LOCATION.--Lat 38°58'44", long 112°24'58", Hydrologic Unit 16030005.
Owner: Delyle Carling.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in., depth 246 ft, cased to 220 ft.
DATUM.--Land-surface datum is 4,744.44 ft above NGVD of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
REMARKS.--Records fair except for estimated days, which are poor.
PERIOD OF RECORD.--May 1929 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.96 ft above land-surface datum, Feb. 24, 1949; lowest, 83.02 ft below land-surface datum, July 20, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.97	41.47	40.49	39.47	38.80	e38.20	e38.90	44.14	44.29	47.11	48.92	49.30
10	42.67	41.30	40.36	39.47	38.68	37.98	e40.20	44.21	44.96	47.04	49.09	48.91
15	42.38	41.09	e40.30	39.30	38.54	37.82	e41.40	44.61	45.81	47.23	48.78	48.96
20	42.16	40.94	e40.10	39.19	38.54	37.70	e42.60	44.56	46.37	46.89	48.60	48.50
25	41.92	40.78	e39.80	39.04	38.37	37.68	42.97	43.86	47.06	47.37	49.10	48.48
EOM	41.71	40.66	39.68	38.91	e38.30	e37.70	43.56	43.67	47.37	48.24	49.44	48.45

384906112330601. LOCAL NUMBER, (C-23-6)17baa-1.
LOCATION.--Lat 38°49'06", long 112°33'06", Hydrologic Unit 16030005.
Owner: Boyd Watts.
AQUIFER.--
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in., depth 262 ft, cased to 140 ft.
DATUM.--Land-surface datum is 4,711.00 ft above NGVD of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.
REMARKS.--Records fair except for estimated periods, which are poor.
PERIOD OF RECORD.--June 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.20 ft below land-surface datum, Mar. 3, 1989; lowest, 54.03 ft below land-surface datum, Sept. 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.45	31.88	31.77	31.55	e31.60	31.47	31.63	e37.60	35.36	38.64	38.53	39.69
10	32.28	31.85	31.73	31.66	e31.60	31.55	31.73	e39.50	35.24	38.06	38.86	40.04
15	32.09	31.74	31.81	e31.70	e31.60	31.44	32.20	38.82	35.07	38.40	40.13	38.90
20	32.01	31.82	31.84	e31.70	e31.50	31.39	e33.60	38.43	37.06	38.89	39.01	38.29
25	31.92	31.77	31.73	e31.70	e31.50	31.43	e34.90	39.51	39.59	38.23	38.54	36.58
EOM	31.99	31.77	31.75	e31.60	e31.50	31.42	e36.40	36.51	39.21	38.07	38.81	36.27

SALT LAKE COUNTY

403916111575901. LOCAL NUMBER, (C-2-1)9ccc-1.
LOCATION.--Lat 40°39'16", long 111°57'59", Hydrologic Unit 16020204.
Owner: Salt Lake County Conservancy District.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled artesian unused public supply well, diameter 16 in., depth 795 ft, perforated 187-372 ft.
DATUM.--Land-surface datum is 4,461 ft above NGVD of 1929.. Measuring point: Top of casing, 2.10 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--April 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.75 ft below land-surface datum, Oct. 25, 1971; lowest, 86.80 ft below land-surface datum, July 25, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.57	58.18	58.02	57.95	58.09	58.11	58.28	58.38	58.10	57.76	57.53	57.46
10	58.53	58.14	58.01	58.01	58.04	58.19	58.31	58.34	58.08	57.68	57.54	57.51
15	58.43	58.02	58.07	58.06	58.01	58.17	58.36	58.29	57.98	57.66	57.53	57.52
20	58.39	58.09	58.06	58.04	58.07	58.19	58.36	58.27	57.96	57.58	57.51	57.60
25	58.26	58.05	58.02	58.05	58.15	58.25	58.40	58.22	57.88	57.61	57.55	57.67
EOM	58.23	58.00	58.03	58.08	58.08	58.28	58.34	58.20	57.81	57.57	57.47	57.74

403452111484301. LOCAL NUMBER, (D-3-1)2ccc-1.
LOCATION.--Lat 40°34'52", long 111°48'43", Hydrologic Unit 16020204.
Owner: Metropolitan Water District.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in., depth 1,007 ft, perforated 525-990 ft.
DATUM.--Land-surface datum is 5,000 ft above NGVD of 1929. Measuring point: Top of flange, at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--March 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 515.66 ft below land-surface datum, Nov. 25, 1958; lowest, 595.23 ft below land-surface datum, Sept. 30, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	581.05	578.94	575.55	572.95	571.45	569.04	568.19	573.41	578.66	583.80	588.83	593.38
10	580.51	578.60	574.96	573.26	570.90	568.84	568.76	574.45	579.99	584.69	589.64	593.61
15	579.86	577.91	574.52	573.14	570.48	568.63	569.63	575.13	580.78	585.16	590.68	593.99
20	579.67	577.60	573.93	572.96	570.18	568.05	570.12	576.37	581.25	586.15	591.35	594.54
25	579.46	576.81	573.56	572.41	570.04	568.12	570.90	576.70	582.24	587.04	592.25	594.82
EOM	579.44	576.18	573.41	571.81	569.34	568.06	572.00	577.25	583.19	588.03	593.14	595.23

SAN JUAN COUNTY

375243109191301. LOCAL NUMBER, (D-33-24)30dab-1.
LOCATION.--Lat 37°52'43", long 109°19'13", Hydrologic Unit 14080203.
Owner: A. E. C.
AQUIFER.--Sandstone.
WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in., depth 319 ft.
DATUM.--Land-surface datum is 6,916 ft above NGVD of 1929. Measuring Point: Top of casing, .60 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.52 ft below land-surface datum, Feb. 14, 1990; lowest, 202.89 ft below land-surface datum, July 25, 1958.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	162.69	162.54	162.40	162.10	162.10	161.74	161.76	162.15	161.71	161.83	161.89	161.74
10	162.82	162.47	162.30	162.29	162.00	161.95	161.86	161.82	161.83	161.83	161.94	161.77
15	162.63	162.08	162.58	162.17	161.93	161.95	161.81	161.87	161.54	161.82	161.92	161.78
20	162.47	162.54	162.25	162.35	162.07	161.87	161.80	161.90	161.81	161.80	161.81	161.69
25	162.34	162.47	162.24	162.27	162.15	161.99	162.01	161.89	161.79	161.92	161.78	161.62
EOM	162.34	162.05	162.19	162.29	162.10	161.84	161.84	161.84	161.61	161.85	161.77	161.94

373830109283201. LOCAL NUMBER, (D-36-22)22daa-1.
LOCATION.--Lat 37°38'30", long 109°28'32", Hydrologic Unit 14080201.
Owner: Joseph L. Nielson.
AQUIFER.--
WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 7 in., depth 140 ft.
DATUM.--Land-surface datum is 6,200 ft above NGVD of 1929. Measuring point: Top of 7 in. casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--October 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.51 ft below land-surface datum, Sept. 20, 1988; lowest, 57.23 ft below land-surface datum, Oct. 20, 1960.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.09	49.44	49.71	49.70	50.08	49.95	50.34	50.80	50.28	49.29	48.03	47.50
10	49.33	49.38	49.57	50.03	50.03	50.31	50.49	50.56	50.40	48.86	47.84	47.48
15	49.18	49.03	50.09	49.95	49.95	50.31	50.53	50.66	50.00	48.78	47.62	47.39
20	49.07	49.68	49.62	50.01	50.28	50.26	50.55	50.69	50.11	48.46	e47.86	47.25
25	49.00	49.64	49.73	50.17	50.39	50.47	50.76	50.64	49.70	48.42	e47.83	47.16
EOM	49.10	49.22	49.79	50.23	50.27	50.43	50.60	50.56	49.44	48.23	47.54	47.56

TOOELE COUNTY

405028113362001. LOCAL NUMBER, (B- 1-15) 7cab- 1.
LOCATION.--Lat 40°50'28", long 113°36'20", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in, depth 6 ft.
DATUM.--Land-surface datum is 4216.14 ft above NGVD of 1929. Measuring point: Top of casing, 0.75 ft above land-surface datum.
REMARKS.--Cluster 2, well 1.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.35 below land-surface datum, Jan 07, 1988, Feb 02, 1988; lowest, 2.70 below land-surface datum, Sep 29, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	0.52	SEP 01, 1992	1.42

405028113362102. LOCAL NUMBER, (B- 1-15) 7cab- 2.
LOCATION.--Lat 40°50'28", long 113°36'21", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in., depth 15 ft.
DATUM.--Land-surface datum is 4,216.20 ft above NGVD of 1929. Measuring point: Top of casing, 0.85 ft above land-surface datum.
REMARKS.--Cluster 2, well 2.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.02 ft below land-surface datum, Sept 07, 1989; lowest, 2.94 ft below land-surface datum, Nov 04, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	1.35	SEP 01, 1992	0.43

405028113362101. LOCAL NUMBER, (B- 1-15) 7cab- 3.
LOCATION.--Lat 40°50'28", long 113°36'21". Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in, depth 30 ft.
DATUM.--Land-surface datum is 4,216.26 ft above NGVD of 1929. Measuring point: Top of casing, 0.90 ft above land-surface datum.
REMARKS.--Cluster 2, well 3.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.69 ft below land-surface datum, Oct 03, 1989; lowest, 7.41 ft below land-surface datum June 03, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	1.69	SEP 01, 1992	1.16

405028113361901. LOCAL NUMBER, (B- 1-15) 7cab-4.
LOCATION.--Lat 40°50'28", long 113°36'19", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water table observation well, diameter 0.75 in , depth 5 ft.
DATUM.--Land-surface datum is 4216.29 ft above NGVD of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.
REMARKS.--U.S.U. cluster 2, well 1.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.02 ft below land-surface datum, Sep 07, 1989; lowest, 3.31 ft below land-surface datum, Nov 04, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	0.94	SEP 01, 1992	0.60

405028113361902. LOCAL NUMBER, (B- 1-15) 7cab-5.
LOCATION.--Lat 40°50'28", long 113°36'19", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 19 ft.
DATUM.--Land-surface datum is 4216.30 ft above NGVD of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.
REMARKS.--U.S.U. cluster 2, well 2.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.11 ft above land-surface datum, Sep 07, 1989; lowest, 2.33 ft below land-surface datum, Nov 04, 1987.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	-1.50	SEP 01, 1992	-0.09

405028113361903. LOCAL NUMBER, (B- 1-15) 7cab- 6.
LOCATION.--Lat 40°50'28", long 113°36'19", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 36 ft.
DATUM.--Land-surface datum is 4216.22 ft above NGVD of 1929. Measuring point: Top of casing, 0.80 ft above land-surface datum.
REMARKS.--U.S.U. cluster 2, well 3.
PERIOD OF RECORD.--July 1987 current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.06 ft below land-surface datum, Nov. 16, 1990; lowest, 2.81 ft below land-surface datum, July 28, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	0.69	SEP 01, 1992	0.32

405028113362501. LOCAL NUMBER, (B- 1-15) 7cba- 1.
LOCATION.--Lat 40°50'28", long 113°36'25", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISITCS.--Drilled water-table observation well, diameter 2 in, depth 6 ft.
DATUM.--Land-surface datum is 4216.14 ft above NGVD of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.
REMARKS.--Cluster 3, well 1.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.88 ft below land-surface datum, Sept. 16, 1991; lowest, 3.70 ft below land-surface datum, June 03, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	1.02	SEP 01, 1992	2.16

405028113362401. LOCAL NUMBER, (B- 1-15) 7cba- 2.
LOCATION.--Lat 40°50'28", long 113°36'24", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 15 ft.
DATUM.--Land-surface datum is 4216.24 ft above NGVD of 1929. Measuring point: Top of casing, 0.85 ft. above land-surface datum.
REMARKS.--Cluster 3, well 2.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.80 ft below land-surface datum, Sept. 16, 1991; lowest, 5.20 ft below land-surface datum, Feb 13, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	3.82	SEP 01, 1992	1.21

405028113362502. LOCAL NUMBER, (B- 1-15) 7cba-3.
LOCATION.--Lat 40°50'28", long 113°36'25", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 30 ft.
DATUM.--Land-surface datum is 4216.22 ft above NGVD of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.
REMARKS.--Cluster 3, well 3.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.18 ft below land-surface datum, Sept. 01, 1992; lowest, 4.72 ft below land-surface datum, Mar 01, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	2.56	SEP 01, 1992	1.18

404408113283201. LOCAL NUMBER, (C- 1-14)18bad-1.
LOCATION.--Lat 40°44'08", long 113°28'32", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 8.5 ft.
DATUM.--Land-surface datum is 4,217.58 ft above NGVD of 1929. Measuring point: Top of casing, 1.20 ft above land-surface datum.
REMARKS.--U.S.U. cluster 3, well 1.
PERIOD OF RECORD.--Nov 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.19 ft above land-surface datum, Apr. 12, 1990; lowest, 1.83 ft below land-surface datum, Nov 01, 1988.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	-0.06	SEP 02, 1992	-1.25

TOOELE COUNTY--Continued

404408113283101. LOCAL NUMBER, (C- 1-14)18bad-2.
LOCATION.--Lat 40°44'08", long 113°28'31", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 6.5 ft.
DATUM.--Land-surface datum is 4,217.52 ft above NGVD of 1929. Measuring point: Top of casing, 1.60 ft above land-surface datum.
REMARKS.--U.S.U. cluster 3, well 2.
PERIOD OF RECORD.--Nov 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.02 ft above land-surface datum, Feb. 28, 1992; lowest, 1.58 ft below land-surface datum, Nov 01, 1988.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM, OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	0.02	SEP 02, 1992	-1.40

404407113283101. LOCAL NUMBER, (C- 1-14)18bad- 3.
LOCATION.--Lat 40°44'07", long 113°28'31", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 23 ft.
DATUM.--Land-surface datum is 4,217.52 ft above mean sea level. Measuring point: Top of casing, 1.20 ft above land-surface datum.
REMARKS.--U.S.U. cluster 3, well 3.
PERIOD OF RECORD.--Nov 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.23 ft below land-surface datum, Sep 07, 1989; lowest, 4.50 ft below land-surface datum, Jun 06, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28, 1992	0.93	SEP 02, 1992	0.81

404522113344901. LOCAL NUMBER, (C- 1-15) 7add- 1
LOCATION.--Lat 40°45'22", long 113°34'49", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in, depth 3 ft.
DATUM.--Land-surface datum is 4217.56 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Cluster 1, well 1.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.39 ft below land-surface datum, Feb 02, 1988; lowest, 2.44 ft below land-surface datum, Aug 28, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	0.42	SEP 02, 1992	2.17

404523113344801. LOCAL NUMBER, (C- 1-15) 7add-2.
LOCATION.--Lat 40°45'23", Long 113°34'48", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in, depth 15 ft.
DATUM.--Land-surface datum is 4217.59 ft above NGVD of 1929. Measuring point: Top of casing, 0.80 ft above land-surface datum.
REMARKS.--Cluster 1, well 2.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.53 ft below land-surface datum, Dec. 03, 1987; lowest, 3.29 ft below land-surface datum, Sep. 30, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	1.05	SEP 02, 1992	1.71

404523113344802. LOCAL NUMBER, (C- 1-15) 7add- 3.
LOCATION.--Lat 40°45'23", long 113°34'48", Hydrologic Unit 16020308.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in, depth 30 ft.
DATUM.--Land-surface datum is 4217.53 ft above NGVD of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
REMARKS.--Cluster 1, well 3.
PERIOD OF RECORD.--June 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.34 ft below land-surface datum, Oct. 03, 1989; lowest, 6.92 ft below land-surface datum, June 03, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	1.50	SEP 02, 1992	1.48

404523113344701. LOCAL NUMBER, (C- 1-15) 7add- 4.
LOCATION.--Lat 40°45'23", long 113°34'47", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 5.5 ft.
DATUM.--Land-surface datum is 4217.64 ft above NGVD of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
REMARKS.--U.S.U. cluster 1, well 2.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.58 ft below land-surface datum, Feb 13, 1990; Lowest, 3.61 ft below land-surface datum, Sep 30, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCOTBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	0.89	SEP 02, 1992	1.67

404523113344702. LOCAL NUMBER, (C- 1-15) 7add- 5.
LOCATION.--Lat 40°45'23", long 113°34'47", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 15.5 ft.
DATUM.--Land-surface datum is 4217.65 ft above NGVD of 1929. Measuring point: Top of casing, 1.30 ft above land-surface datum.
REMARKS.--U.S.U. cluster 1, well 2.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.67 ft below land-surface datum, Dec 03, 1987; lowest, 2.83 ft below land-surface datum, Sep 30, 1987.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	1.18	SEP 02, 1992	1.67

404523113344703. LOCAL NUMBER, (C- 1-15) 7add- 6.
LOCATION.--Lat 40°45'23", long 113°34'47", Hydrologic Unit 16020308.
Owner: Utah State University.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 0.75 in., depth 36.5 ft.
DATUM.--Land-surface datum is 4217.59 ft above NGVD of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.
REMARKS.--U.S.U. cluster 1, well 3.
PERIOD OF RECORD.--July 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.99 ft below land-surface datum, Nov. 16, 1990; lowest, 6.19 ft below land-surface datum, Mar 01,1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27, 1992	2.16	SEP 02, 1992	2.39

403539112282901. LOCAL NUMBER, (C-2-6)36dcc-1.
LOCATION.--Lat 40°35'39", long 112°28'29", Hydrologic Unit 16020304.
Owner: E. C. Walk.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in., depth 176 ft, cased to 166 ft.
DATUM.--Land-surface datum is 4,373.70 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Water-stage recorder removed July, 1992, bi-annual monitoring beginning with 1993 water year. Actual measurements only for 1992.
PERIOD OF RECORD.--June 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 72.82 ft below land-surface datum, June 11, 1952; lowest, 98.81 ft below land-surface datum, Oct. 7, 1961.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1991	97.41	JAN 8, 1992	98.88	MAR 6, 1992	91.23
JUL 23, 1992	96.38	AUG 17, 1992	95.87	SEP 18, 1992	96.37

TOOELE COUNTY--Continued

401312112442301. LOCAL NUMBER, (C-7-8)10cbd-1.
LOCATION.--Lat 40°13'12", long 112°44'23", Hydrologic Unit 16020305.
Owner: Dugway Proving Ground.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., depth 175 ft, cased to 175 ft, perforated 115-175 ft.
DATUM.--Land-surface datum is 4,850 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--November 1946 to March 1947, January 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 73.32 ft below land-surface datum, Jan. 26, 1951; lowest, 93.67 ft below land-surface datum, Oct. 15, 1966.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	77.17	77.11	76.66	76.12	75.86	75.63	75.44	75.70	76.15	76.81	77.36	77.95
10	77.21	77.07	76.59	76.14	75.81	75.67	75.46	75.77	76.30	76.87	77.46	78.02
15	77.12	76.93	76.59	76.22	75.73	75.51	75.47	75.86	76.41	77.00	77.57	78.10
20	77.16	76.87	76.60	76.05	75.76	75.45	75.49	75.95	e76.56	76.94	77.68	78.18
25	77.14	76.80	76.38	75.97	75.80	75.50	75.56	76.05	76.68	77.17	77.79	78.22
EOM	77.25	76.80	76.37	75.91	75.61	75.47	75.56	76.20	76.78	77.25	77.88	78.14

UINTAH COUNTY

403158109372201. LOCAL NUMBER, (D-3-20)25abc-2.
LOCATION.--Lat 40°31'58", long 109°37'22", Hydrologic Unit 14060002.
Owner: H. T. Peltier.
AQUIFER.--Glacial outwash.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in., depth 43 ft, cased to 42 ft.
DATUM.--Land-surface datum is 5,992 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--May 1965 to August 1966, March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.97 ft below land-surface datum, July 5, 1966; lowest, 8.88 ft below land-surface datum, Sept. 7, 1989.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.63	6.14	6.34	6.43	6.46	6.24	6.64	7.10	6.95	6.05	6.42	6.62
10	6.61	6.14	6.34	6.40	6.44	6.23	6.73	6.94	6.83	5.86	6.52	6.82
15	6.57	6.09	6.41	6.43	6.37	6.38	6.80	7.00	5.37	5.79	6.63	6.93
20	6.54	6.14	6.44	6.45	6.43	6.46	6.84	7.05	5.93	5.91	6.74	6.89
25	6.40	6.21	6.43	6.46	6.38	6.34	6.90	7.01	6.05	6.11	6.49	7.03
EOM	6.23	6.22	6.47	6.47	6.25	6.55	7.02	6.91	5.98	6.29	6.69	7.03

UTAH COUNTY

401818112014501. LOCAL NUMBER, (C-6-2)14aba-1.
LOCATION.--Lat 40°18'18", long 112°01'45", Hydrologic Unit 16020201.
Owner: Coop Security Corp.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in., depth 1,258 ft, cased to 1,254 ft.
DATUM.--Land-surface datum is 4,865.70 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1954 to April 1955, March 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 108.90 ft below land-surface datum, Feb. 16 1992; lowest, 141.41 ft below land-surface datum, Aug. 15, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	109.40	109.42	109.18	109.04	109.08	108.95	108.96	109.09	109.08	109.10	109.12	109.28
10	109.45	109.37	109.18	109.09	109.02	109.01	109.00	109.06	109.12	109.13	109.12	109.31
15	109.40	109.28	109.24	109.12	108.92	108.96	109.01	109.06	109.09	109.10	109.10	109.29
20	109.41	109.34	109.20	109.09	109.03	109.02	109.04	109.09	109.11	109.08	109.08	109.31
25	109.30	109.34	109.08	109.08	109.09	109.03	109.08	109.09	109.11	109.14	109.16	109.32
EOM	109.38	109.19	109.09	109.10	109.05	109.00	109.03	109.12	109.11	109.14	109.26	109.37

395527111525801. LOCAL NUMBER, (C-10-1)24ddc-1.
LOCATION.--Lat 39°55'27", long 111°52'58", Hydrologic Unit 16020201.
Owner: Scott Lunceford.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 20 in., depth 533 ft, perforated 366-391 ft, 422-428, 462-482 ft.
DATUM.--Land-surface datum is 4,750 ft above NGVD of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--Records good, except for estimated days, which are poor. Recorder removed Sept. 21, 1992
PERIOD OF RECORD.--1966 to 1971, 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 205.18 ft below land-surface datum, March 04, 1985; lowest, 245.00 ft below land-surface datum, Sept. 01, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e218.90	215.98	214.61	213.59	213.06	212.44	212.43	212.91	213.64	222.88	223.75	224.06
10	e218.40	215.94	214.27	213.51	212.93	212.43	212.79	212.54	214.93	222.70	226.10	e221.25
15	e217.90	215.44	214.06	213.29	212.74	212.36	212.47	212.54	218.72	223.49	225.97	220.98
20	217.59	214.88	213.65	213.33	212.89	212.32	212.56	212.42	220.56	223.67	226.39	224.69
25	217.04	214.64	214.00	213.19	212.81	212.28	212.41	212.64	220.43	224.53	222.48	222.39
EOM	216.33	214.77	213.95	213.22	212.23	212.55	213.01	213.19	218.39	225.62	224.48	220.38

395527111525801. LOCAL NUMBER, (C-10-1)24ddc-1--Continued.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	223.03	216.47	214.86	213.77	213.39	212.96	213.26	219.21	225.78	222.86	228.72	227.25
10	219.36	216.09	214.66	213.89	213.23	213.13	213.90	218.27	225.19	228.00	226.19	230.58
15	218.23	215.57	214.66	213.89	213.16	212.94	214.26	222.58	221.19	227.87	229.56	228.35
20	217.86	215.62	214.43	213.69	213.24	212.90	214.84	222.18	226.71	226.21	230.03	224.63
25	217.26	215.26	214.22	213.57	213.38	213.06	217.05	220.53	227.43	227.75	229.19	---
EOM	217.00	214.94	214.07	213.51	213.06	213.03	222.32	224.43	225.20	226.21	226.78	---

402333111513401. LOCAL NUMBER, (D-5-1)8dcc-1.
LOCATION.--Lat 40°23'33", long 111°51'34", Hydrologic Unit 16020201.
Owner: Lehi Irrigation Co.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 14 in., depth 240 ft, cased to 240 ft, perforated at 85, 105, 165, and 200 ft.
DATUM.--Land-surface datum is 4,555.03 ft above NGVD of 1929. Measuring point: Top of recorder platform, 3.50 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--September 1935 to December 1936, April 1947, March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.07 ft above land-surface datum, Apr. 10, 1983, 1984; lowest, 35.29 ft below land-surface datum, Aug. 31, 1963.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.68	19.89	18.84	17.90	17.03	16.06	17.18	26.37	31.16	28.18	29.58	26.70
10	23.03	19.72	18.51	17.38	16.64	15.89	18.32	25.78	28.77	27.80	29.47	27.61
15	23.10	19.29	18.22	17.26	16.48	15.65	19.73	27.94	29.25	26.30	30.53	28.22
20	22.57	19.15	18.17	17.11	16.57	15.81	18.52	28.33	26.82	27.09	30.46	27.79
25	21.56	18.49	17.94	17.23	16.50	16.02	18.30	26.23	29.55	27.78	29.17	27.20
EOM	20.42	18.55	17.82	17.26	16.29	16.45	22.37	28.91	30.41	30.16	29.15	27.32

400215111472801. LOCAL NUMBER, (D-9-1)14aad-1.
LOCATION.--Lat 40°02'15", long 111°47'28", Hydrologic Unit 16020202.
Owner: R. L. Wayman.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 12 in., depth 360 ft, perforated 90-360 ft.
DATUM.--Land-surface datum is 4,619 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Records good, except for estimated days, which are poor. Recorders removed Sept. 22, 1992.
PERIOD OF RECORD.--1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.22 ft below land-surface datum, March 12, 1984; lowest, 68.44 ft below land-surface datum, Aug. 16, 1991.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.16	56.75	56.86	57.21	57.37	57.46	57.60	57.84	57.90	66.52	62.20	e65.00
10	57.67	56.77	56.84	57.26	57.41	57.46	57.60	57.84	58.07	65.88	65.40	e66.00
15	57.42	56.75	56.90	57.22	57.39	57.51	57.62	57.89	62.34	61.95	68.20	66.22
20	57.28	56.66	56.97	57.33	57.51	57.52	57.70	57.86	65.00	63.21	66.77	61.50
25	57.04	56.63	57.09	57.35	57.51	57.53	57.71	57.85	64.38	65.20	62.96	60.20
EOM	56.83	56.79	57.20	57.39	57.39	57.58	57.78	57.85	61.03	67.60	e64.00	59.50

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.95	e57.40	e57.30	e57.30	e57.20	e57.20	e57.90	64.90	66.10	62.15	66.63	61.65
10	58.50	e57.40	e57.30	e57.30	e57.20	e57.20	e58.60	60.99	66.13	67.36	62.48	66.08
15	58.13	e57.40	e57.30	e57.30	e57.20	57.13	e59.30	64.23	61.96	66.30	e62.40	65.16
20	57.75	e57.40	e57.30	e57.30	e57.20	57.11	e60.00	65.29	63.15	65.28	e62.30	61.44
25	57.57	e57.40	e57.30	e57.30	e57.20	57.17	e60.70	61.27	67.55	64.96	e62.20	---
EOM	e57.40	e57.40	e57.30	e57.30	e57.20	e57.20	e61.40	60.26	66.33	67.25	61.33	---

WASHINGTON COUNTY

370231113320301. LOCAL NUMBER, (C-43-15)16dac-1.
LOCATION.--Lat 37°02'31", long 113°32'03", Hydrologic Unit 15010009.
Owner: Kent Bentley.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in., depth 150 ft.
DATUM.--Land-surface datum is 2,678.00 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--September 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 40.32 ft below land-surface datum, May 8, 9, 1992; lowest, 43.73 ft below land-surface datum, Sept. 5, 21, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.04	41.66	41.39	40.86	40.61	40.60	40.56	40.39	40.37	40.77	41.08	41.52
10	42.07	41.61	41.27	40.90	40.60	40.64	40.51	40.40	40.50	40.83	41.11	41.59
15	41.89	41.52	41.32	40.97	40.50	40.63	40.43	40.36	40.47	40.92	41.14	41.67
20	41.80	41.55	41.33	40.79	40.52	40.60	40.41	40.38	40.60	40.92	41.18	41.75
25	41.77	41.44	41.18	40.74	40.56	40.68	40.42	40.42	40.68	41.05	41.33	41.79
EOM	41.79	41.37	41.19	40.66	40.46	40.72	40.33	40.44	40.67	41.07	41.38	41.89

WEBER COUNTY

411544111461001. LOCAL NUMBER, (A-6-2)18bad-1.
LOCATION.--Lat 41°15'44", long 111°46'10", Hydrologic Unit 16020102.
Owner: U.S. Bureau of Reclamation.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 155 ft, perforated 105-115 ft, 125-145 ft.
DATUM.--Land-surface datum is 4,924 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1956 to March 1966, October 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.93 ft below land-surface datum, June 5, 1985; lowest, 34.96 ft below land-surface datum, Nov. 30, 1956.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.07	23.53	22.57	23.08	23.78	22.28	20.59	25.63	24.49	23.64	30.11	31.22
10	26.42	23.17	22.63	23.89	22.60	21.56	23.84	22.97	24.00	26.04	30.46	31.60
15	26.06	23.15	22.24	23.56	22.82	22.27	24.34	22.26	24.32	24.49	30.72	32.16
20	25.47	22.97	22.59	23.60	22.27	21.66	23.37	23.19	22.70	27.60	31.12	32.56
25	24.40	22.30	23.40	24.07	22.72	21.15	23.53	23.18	25.86	28.21	31.34	32.44
EOM	23.74	21.70	23.20	22.73	22.38	21.07	24.69	23.72	25.65	29.75	31.61	33.38

411348112013601. LOCAL NUMBER, (B-6-2)26ada-1.
LOCATION.--Lat 41°13'48", long 112°01'36", Hydrologic Unit 16020102.
Owner: Amalgamated Sugar Company.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in., depth 595 ft, cased to 400 ft.
DATUM.--Land-surface datum is 4,275 ft above NGVD of 1929. Measuring point: Top of casing, 0.10 ft below land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1935 to December 1950, January 1953 to October 1961, February 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.50 ft above land-surface datum, Mar. 11, 1937; lowest, 19.67 ft. below land-surface datum, Sept. 2, 3, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.86	16.70	17.01	17.90	16.56	15.20	14.10	14.43	15.37	16.37	17.49	19.60
10	16.86	16.59	17.21	17.74	16.34	15.02	14.00	14.61	15.52	16.48	17.93	19.37
15	16.85	16.47	17.42	17.48	16.10	14.80	13.91	14.84	15.70	16.50	18.33	19.01
20	16.87	16.51	17.55	17.15	15.87	14.58	13.96	15.01	15.88	16.58	18.70	18.69
25	16.79	16.65	17.73	16.90	15.64	14.42	14.13	15.15	16.02	16.66	19.09	18.40
EOM	16.74	16.73	17.85	16.76	15.43	14.24	14.23	15.28	16.23	17.08	19.55	18.19

e Estimated.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				BEAVER COUNTY						
383101112365301	(C-26- 7)26cac- 1		250.00	07-20-92	600	7.7	21.0	280	85	16
382336112592601	(C-28-10) 8add- 2		200.00	07-08-92	920	7.6	16.5	300	78	25
382204113001302	(C-28-10)17cdc- 2	100VLFL	220.00	07-08-92	720	8.0	26.0	--	--	--
382313113020901	(C-28-11)12dbc- 2		460.00	07-08-92	2550	7.4	17.5	820	210	71
382020113015701	(C-28-11)25dcd- 1	100VLFL	431.00	07-08-92	2060	7.2	16.5	910	260	63
381625112412901	(C-29- 7)19bcd- 1	100VLFL	256.00	07-20-92	540	7.5	15.5	210	63	12
381516112422201	(C-29- 8)25cac- 1	100VLFL	250.00	07-20-92	310	0	20.5	99	31	5.3
381435112471401	(C-29- 8)31add- 1	100VLFL	310.00	07-20-92	790	10	14.5	--	--	--
381714113003401	(C-29-10)18daa- 1	100VLFL	298.00	07-08-92	730	7.8	18.0	320	96	19
381901113014101	(C-29-11) 1add- 1	100VLFL	64.00	07-08-92	810	7.7	17.0	--	--	--
381700113033401	(C-29-11)14cdb- 1	100VLFL	--	07-08-92	440	8.0	18.5	150	40	11
381543113035501	(C-29-11)27aad- 1	100VLFL	204.00	07-08-92	810	7.7	16.0	280	84	16
				BOX ELDER COUNTY						
412214112023301	(B- 7- 2) 2cba- 5	100VLFL	342.00	07-15-92	400	7.6	13.5	--	--	--
412405112022501	(B- 8- 2)26bcd- 1	100VLFL	118.00	07-15-92	190	7.2	14.0	--	--	--
413057112023901	(B- 9- 2)15daa- 1	100VLFL	465.00	07-15-92	620	8.5	18.0	--	--	--
413452113544401	(B-10-18)21aba- 1	100VLFL	50.00	07-30-92	1080	7.3	15.0	--	--	--
413300113543001	(B-10-18)33aaa- 1		84.00	06-25-92	2140	7.2	11.0	710	200	51
413910113535001	(B-11-18)27baa- 1	100VLFL	367.00	07-30-92	640	7.6	13.0	--	--	--
413806113543401	(B-11-18)33adb- 1		200.00	07-30-92	1180	7.3	17.0	360	100	26
413758113551501	(B-11-18)33bdc- 1	100VLFL	232.00	07-30-92	1180	7.3	17.0	--	--	--
414510112163501	(B-12- 4)26bbb- 1	100VLFL	680.00	07-27-92	2430	7.2	16.0	--	--	--
414452112173401	(B-12- 4)27bdb- 1		500.00	06-26-92	1750	7.3	17.0	--	--	--
414454112173101	(B-12- 4)27dbd- 1		478.00	07-27-92	1970	7.3	16.0	590	130	65
414406112173601	(B-12- 4)34bbd- 1	100VLFL	306.00	07-27-92	1970	7.3	16.0	630	140	68
414418112154801	(B-12- 4)35aab- 1		651.00	06-26-92	2270	7.3	15.0	--	--	--
414418112162301	(B-12- 4)35bab- 1		630.00	06-26-92	3740	7.2	14.0	--	--	--
414745113063901	(B-12-11) 4bcc- 1	100VLFL	230.00	06-24-92	3130	7.3	18.5	--	--	--
4148111113081701	(B-12-11) 6aba- 1		150.00	06-25-92	970	7.5	15.0	--	--	--
414722113070101	(B-12-11) 8aab- 1		224.00	06-23-92	1780	7.2	15.0	--	--	--
414710113071601	(B-12-11) 8abb- 1		275.00	06-24-92	2470	7.1	14.0	--	--	--
414721113072601	(B-12-11) 8baa- 1	100VLFL	320.00	06-25-92	3020	7.8	15.0	--	--	--
414720113073101	(B-12-11) 8bab- 2		--	06-25-92	2340	7.3	13.0	--	--	--
415800112462601	(B-14- 8) 5cdd- 1		180.00	07-28-92	2170	7.5	18.0	--	--	--
415825112470501	(B-14- 8) 6add- 1		460.00	06-22-92	1800	7.6	22.5	--	--	--
415737112431601	(B-14- 8)11bca- 1	100VLFL	416.00	07-28-92	3040	7.6	12.0	770	170	83
415823112510801	(B-14- 9) 3acc- 1		--	07-28-92	3190	7.5	22.0	--	--	--
415823112525301	(B-14- 9) 4bcc- 1		365.00	06-22-92	3120	7.4	23.0	--	--	--
415800112525301	(B-14- 9) 4ccc- 1	100VLFL	360.00	06-22-92	2930	7.5	27.0	--	--	--
415847112540401	(B-14- 9) 5bbb- 1	100VLFL	300.00	06-22-92	840	7.5	18.0	--	--	--
415754112551301	(B-14- 9) 7bbb- 1		608.00	07-28-92	1020	7.6	18.0	360	100	26
415703112513501	(B-14- 9)16aaa- 1		400.00	07-28-92	2480	7.3	14.0	--	--	--
415635112533001	(B-14- 9)17caa- 1		608.00	06-23-92	2940	7.2	18.0	--	--	--
415845112562201	(B-14-10) 1bbb- 1	100VLFL	414.00	06-23-92	568	7.5	16.0	--	--	--
415726112573301	(B-14-10)11cbb- 1		395.00	06-24-92	585	7.7	22.0	--	--	--
415654112573301	(B-14-10)14bbc- 1	100VLFL	840.00	06-23-92	1280	7.8	23.0	--	--	--
415622112573601	(B-14-10)15dda- 1	100VLFL	840.00	07-29-92	960	7.7	19.0	--	--	--
415850112481201	(B-15- 8)31ccc- 1		550.00	06-22-92	1570	7.4	22.0	--	--	--
415955112540301	(B-15- 9)29cbc- 1		400.00	06-23-92	6270	7.2	23.0	--	--	--
415927112543801	(B-15- 9)31abc- 1	100VLFL	407.00	06-23-92	710	7.5	18.0	--	--	--
415918112530801	(B-15- 9)32dab- 1		400.00	06-23-92	3080	7.4	21.0	--	--	--
415941112495801	(B-15- 9)35abb- 1		404.00	06-22-92	3160	7.5	25.0	--	--	--
				CACHE COUNTY						
414054111510601	(A-11- 1)20ada- 1	100VLFL	378.00	08-19-92	508	--	12.0	--	--	--
413924111493501	(A-11- 1)27cdc- 1	100VLFL	596.00	08-19-92	490	--	11.0	--	--	--
414857111495801	(A-12- 1) 3bbb- 1	100VLFL	166.00	08-19-92	585	--	12.0	--	--	--
415020111520401	(A-13- 1)29bcd- 1	100VLFL	173.00	08-20-92	450	7.7	13.5	--	--	--
415426111491801	(A-14- 1)34dca- 1		150.00	08-20-92	645	--	12.0	--	--	--
415515111580801	(B-14- 1)28cca- 1	100VLFL	215.00	08-20-92	1010	--	16.0	--	--	--
				DAVIS COUNTY						
405535111525101	(A- 2- 1) 7aba- 4	100VLFL	450.00	07-14-92	280	7.5	15.0	--	--	--
405351111540803	(B- 2- 1)24bad- 3	100VLFL	386.00	07-14-92	500	7.8	17.0	--	--	--
410340112030001	(B- 4- 2)27aba- 1		304.00	07-14-92	960	7.9	16.0	--	--	--
410354112135201	(B- 4- 3)19caa- 1		430.00	07-14-92	1170	7.9	25.0	130	39	8.4
410835111591501	(B- 5- 1)30ada- 1		900.00	08-10-92	550	7.2	14.0	260	73	18

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					BEAVER COUNTY							
23	2.7	161	27	97	0.20	42	397	1.60	0.020	3	<1	40
70	3.8	157	180	87	0.40	37	580	1.10	0.020	<3	<1	260
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190	22	202	340	450	1.7	56	1580	27.0	0.050	20	60	380
85	10	233	560	230	<0.10	47	1410	3.30	0.030	20	<10	180
30	6.2	184	38	29	0.80	42	354	5.10	0.020	<3	1	70
21	8.1	102	42	7.1	0.80	60	237	<0.050	<0.010	18	61	70
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24	5.2	178	76	73	0.30	34	459	5.50	0.040	<3	<1	40
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26	5.0	101	47	40	0.50	46	283	1.50	0.030	<3	<1	90
47	6.3	157	70	110	0.40	44	488	3.70	0.030	4	<1	130
					BOX ELDER COUNTY							
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160	9.5	278	210	410	<0.10	45	1260	1.10	0.040	40	<10	280
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55	8.0	285	87	90	0.30	49	590	0.790	0.050	<3	<1	130
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160	3.6	133	120	480	0.30	24	1080	3.10	<0.010	10	<10	70
190	4.7	189	130	530	0.30	21	1210	2.70	0.030	20	<10	90
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330	18	263	320	670	0.80	50	1810	1.30	0.030	<10	<10	160
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47	13	103	33	230	0.20	56	570	0.590	0.020	4	<1	60
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					CACHE COUNTY							
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150	100	141	19	270	0.60	41	713	<0.050	0.020	80	85	110
19	1.8	242	26	25	0.20	11	324	1.00	<0.010	17	11	40

GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
DUCHESNE COUNTY										
402114110003301	U(C- 1- 1)33bcc- 1	123DCRV	220.00	07-10-92	900	8.3	12.5	290	66	30
402246110061501	U(C- 1- 2)22cbb- 1	123DCRV	810.00	07-08-92	410	7.8	13.5	200	48	20
402319110025601	U(C- 1- 2)24aaa- 1	123DCRV	260.00	07-10-92	350	8.1	12.0	170	50	11
402135110051901	U(C- 1- 2)27ddc- 1	123DCRV	420.00	07-09-92	340	8.0	12.0	170	49	12
402116110030801	U(C- 1- 2)36adc- 1	123DCRV	170.00	07-09-92	335	8.0	12.5	170	45	13
401940110023601	U(C- 2- 1) 7bbd- 1	123DCRV	820.00	07-09-92	415	8.3	16.5	62	17	4.8
401919109593201	U(C- 2- 1) 9dad- 1	123DCRV	740.00	07-10-92	750	9.2	14.5	4	0.98	0.31
401823109590401	U(C- 2- 1)15cac- 1	124UINT	600.00	07-10-92	550	9.0	14.0	7	1.9	0.42
401946110044601	U(C- 2- 2)11bab- 1	123DCRV	666.00	07-09-92	350	7.9	16.0	170	43	14
401819110041601	U(C- 2- 2)14ddb- 1	123DCRV	465.00	07-09-92	395	8.0	13.5	130	33	11
IRON COUNTY										
375257112483501	(C-33- 8)31ccc- 1		450.00	07-21-92	455	7.9	15.0	190	41	22
375320112510001	(C-33- 9)35acd- 2	100VLFL	500.00	07-21-92	490	7.9	13.5	240	50	27
375151112525002	(C-34- 9) 9bbd- 2		324.00	07-21-92	530	7.6	12.0	270	58	31
375006112554801	(C-34-10)24abc- 1		135.00	07-21-92	530	7.9	14.5	240	47	29
374834113384301	(C-34-16)28dcc- 2	100VLFL	148.00	07-13-92	1100	7.6	14.0	430	130	25
374753113464601	(C-34-17)32cca- 1	100VLFL	306.00	07-13-92	560	7.9	21.0	220	71	9.7
374619113053101	(C-35-11) 9dba- 1		--	07-22-92	660	7.8	14.0	320	66	38
374550113040601	(C-35-11)11ccc- 1		263.00	08-04-92	930	7.7	14.0	--	--	--
374248113075201	(C-35-11)31dbb- 1		--	08-04-92	650	8.9	14.0	--	--	--
374304113052901	(C-35-11)33aac- 1		136.00	07-22-92	1160	7.2	12.0	--	--	--
374649113305801	(C-35-15) 3dcc- 3		316.00	07-13-92	1300	7.8	16.0	500	120	49
374412113384503	(C-35-16)21dcc- 3	100VLFL	300.00	07-13-92	500	7.8	15.5	220	67	12
374227113394101	(C-35-16)32dcd- 2	100VLFL	140.00	07-13-92	500	7.5	16.0	230	71	13
374209113322203	(C-36-15) 4bad- 3	100VLFL	320.00	07-13-92	750	8.0	22.0	--	--	--
374040113343102	(C-36-15) 7cdd- 2		500.00	07-13-92	1000	8.0	24.0	200	53	17
374014113391101	(C-36-16) 9bcd- 2		--	07-14-92	425	7.7	16.5	180	58	9.2
373854113411501	(C-36-16)19abb- 1	100VLFL	352.00	07-14-92	440	7.7	13.5	180	57	10
373656113415201	(C-36-17)36aad- 1	100VLFL	363.00	08-12-92	450	7.5	14.5	170	53	9.8
373542113122401	(C-37-12) 9acc- 1		186.00	07-22-92	355	--	16.5	150	50	6.2
373407113100801	(C-37-12)23acb- 2	100VLFL	365.00	07-22-92	600	--	19.0	--	--	--
373236113111401	(C-37-12)34abb- 1		190.00	07-22-92	860	7.0	12.0	--	--	--
JUAB COUNTY										
395353113424201	(C-11-17) 1bdc- 3	100VLFL	506.00	07-14-92	400	--	20.5	--	--	--
395233113421601	(C-11-17)12dcd- 1	100VLFL	526.00	07-14-92	650	--	20.0	--	--	--
394545111531001	(C-12- 1)24baa- 1	100VLFL	66.00	07-08-92	1240	7.6	12.0	360	88	35
394215111530501	(C-13- 1) 1cdd- 1		150.00	07-07-92	1040	7.6	11.0	320	72	33
393313111524001	(C-14- 1)36adb- 1	100VLFL	359.00	09-01-92	1270	7.7	12.5	--	--	--
393327112185101	(C-14- 4)32dbd- 1	100VLFL	553.00	06-04-92	3300	--	20.5	--	--	--
393236111525300	(C-15- 1) 1baa- 1		280.00	08-27-92	1140	7.2	12.0	--	--	--
393141111535901	(C-15- 1)11baa- 1	100VLFL	509.00	08-25-92	1490	--	13.0	--	--	--
393142111523501	(C-15- 1)12aaa- 2	100VLFL	--	08-25-92	1450	7.5	13.0	--	--	--
394225111495701	(D-13- 1) 4cca- 1	100VLFL	375.00	07-08-92	1560	7.3	11.5	480	130	37
394225111502702	(D-13- 1) 5ddb- 2	100VLFL	352.00	07-07-92	1560	7.4	11.5	480	130	38
393400111511501	(D-14- 1)30add- 1	100VLFL	312.00	08-28-92	965	7.7	13.0	--	--	--
393315111511601	(D-14- 1)31ada- 1	100VLFL	--	08-28-92	1170	7.3	12.5	--	--	--
393154111520301	(D-15- 1) 6cab- 1	100VLFL	--	08-24-92	1610	7.1	13.0	--	--	--
KANE COUNTY										
371034112230401	(C-42- 5)11bdb- 1		160.00	08-12-92	650	7.6	14.5	310	73	30
370843112340602	(C-42- 6)19bdc- 2	100VLFL	250.00	08-12-92	260	8.1	15.0	--	--	--
370050112274501	(C-44- 5) 6cbb- 1		--	07-15-92	2900	7.5	20.0	850	160	110
371739112200201	R(C-40- 4)32bad- 1	100VLFL	135.00	07-15-92	1200	7.4	12.5	--	--	--
MILLARD COUNTY										
393158112152001	(C-15- 4)11add- 1	100VLFL	485.00	06-04-92	2010	--	15.5	--	--	--
392859112154601	(C-15- 4)26dcc- 1		660.00	06-03-92	970	7.3	15.0	--	--	--
392850112162101	(C-15- 4)34aaa- 1	100VLFL	520.00	06-04-92	1660	--	14.5	--	--	--
393113112215701	(C-15- 5)13bbc- 1	100VLFL	310.00	09-17-92	2210	7.5	15.5	--	--	--
392854112233801	(C-15- 5)27dcc- 1	100CVLFL	1196.00	06-02-92	460	--	22.0	--	--	--
392928112382201	(C-15- 7)28bad- 1	100VLFL	--	06-03-92	610	--	19.0	--	--	--
392821112384101	(C-15- 7)33bcd- 1	100CVLFL	900.00	06-03-92	500	--	17.0	--	--	--
392752112362401	(C-15- 7)35bcd- 1	100VLFL	620.00	06-03-92	750	--	16.0	--	--	--
392819112352901	(C-15- 7)36cbb- 1	100VLFL	420.00	06-03-92	540	--	16.0	--	--	--
392437112200601	(C-16- 4)19dbd- 1	100VLFL	344.00	09-17-92	1880	--	15.5	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					DUCHESNE COUNTY							
120	2.4	--	430	16	1.1	7.4	751	--	--	550	20	120
12	3.2	--	37	3.0	0.50	8.0	253	--	--	1100	16	60
4.6	3.8	--	47	0.80	0.70	7.8	207	--	--	570	21	20
4.0	3.5	--	41	0.60	0.60	8.4	207	--	--	760	20	20
3.9	3.7	--	42	0.90	0.80	7.7	196	--	--	170	26	30
72	2.5	--	39	7.2	1.1	9.2	257	--	--	310	11	120
170	0.70	--	71	38	1.2	8.0	440	--	--	88	5	50
120	0.70	--	57	28	0.70	8.9	326	--	--	32	4	50
5.9	3.4	--	52	0.70	0.60	9.4	208	--	--	170	22	40
36	2.4	--	50	1.2	0.60	9.3	238	--	--	150	14	150
					IRON COUNTY							
21	2.7	184	22	26	0.40	26	278	1.40	0.020	<3	<1	50
13	2.4	204	24	22	0.20	24	299	3.10	<0.010	3	<1	30
9.7	2.8	236	34	15	0.20	26	329	2.50	0.020	3	<1	40
20	4.5	204	32	34	0.30	41	339	2.00	0.030	5	<1	60
37	8.2	131	100	200	0.50	60	648	2.00	0.010	<3	<1	100
30	8.5	170	85	30	0.40	60	401	0.950	0.010	<3	<1	170
15	2.2	153	180	11	0.30	20	428	0.880	<0.010	9	<1	50
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72	5.0	136	320	170	0.40	57	881	1.20	0.020	3	5	260
16	4.7	156	26	43	0.30	51	323	2.20	0.020	<3	<1	30
19	5.0	178	--	--	--	--	--	1.60	0.020	<3	<1	70
--	--	--	--	--	--	--	--	--	--	--	--	--
140	4.2	124	310	49	1.9	45	697	0.390	<0.010	6	<1	430
15	3.5	159	16	36	0.30	40	278	1.10	0.040	<3	<1	40
18	4.4	169	18	31	0.40	36	289	2.80	0.040	<3	<1	40
22	5.3	180	16	19	0.50	43	294	3.90	0.060	<3	<1	40
15	3.2	137	11	26	0.30	57	255	1.00	0.020	<3	<1	50
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					JUAB COUNTY							
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110	4.2	216	84	190	0.10	29	692	5.10	0.030	<3	<1	60
85	3.0	231	76	150	0.10	22	588	1.80	0.030	8	<1	60
--	--	--	--	--	--	--	--	2.90	<0.010	--	--	--
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--	--	--	--	--	--	--	--	4.50	<0.010	--	--	--
--	--	--	--	--	--	--	--	2.80	<0.010	--	--	--
--	--	--	--	--	--	--	--	4.40	0.010	--	--	--
140	3.8	315	140	240	<0.10	23	925	5.00	0.020	<3	<1	100
140	4.1	279	130	220	<0.10	24	891	8.40	0.020	<3	<1	100
--	--	--	--	--	--	--	--	3.60	0.020	--	--	--
--	--	--	--	--	--	--	--	1.70	0.020	--	--	--
--	--	--	--	--	--	--	--	14.0	<0.010	--	--	--
					KANE COUNTY							
19	2.5	167	180	9.2	0.20	11	437	2.70	0.020	<3	<1	60
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390	9.5	318	1200	83	0.60	14	2170	2.40	<0.010	110	70	670
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					MILLARD COUNTY							
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				MILLARD COUNTY--Continued						
392344112203801	(C-16- 4)30cac- 1	100VLFL	440.00	06-03-92	940	--	14.0	--	--	--
392538112270201	(C-16- 5)18caa- 1	100VLFL	590.00	09-17-92	335	--	21.5	--	--	--
392443112273101	(C-16- 5)19cbd- 1	100VLFL	830.00	06-02-92	320	--	20.0	--	--	--
392408112300501	(C-16- 6)27aaa- 1	100VLFL	1200.00	06-02-92	370	--	25.0	--	--	--
392445112353201	(C-16- 7)24bca- 2	100VLFL	855.00	06-03-92	410	--	23.0	--	--	--
392519112441201	(C-16- 8)15cad- 1	100VLFL	1374.00	09-16-92	5530	--	33.0	--	--	--
391234112233701	(C-18- 5)34adb- 3		512.00	06-30-92	2560	7.2	15.0	950	200	110
391326113595801	(C-18-19)20dad- 1	100VLFL	100.00	07-15-92	425	8.3	14.5	--	--	--
390758112194601	(C-19- 4)29bcd- 1		390.00	06-30-92	1030	7.5	14.0	430	98	45
390646113570701	(C-19-19)35caa- 1	100VLFL	395.00	07-15-92	600	--	13.0	--	--	--
390617113571901	(C-19-19)35dcd- 1		--	07-16-92	610	--	12.0	--	--	--
390615114010001	(C-19-20)36ccc- 1	100VLFL	395.00	07-14-92	490	--	16.0	--	--	--
390628112201401	(C-20- 4) 6aca- 1	100VLFL	506.00	06-29-92	1770	7.1	13.0	--	--	--
390440114010501	(C-20-19) 7dad- 1	100VLFL	395.00	07-15-92	345	--	19.0	--	--	--
390610114010001	(C-20-20) 1bbb- 1	100VLFL	395.00	07-14-92	600	--	16.5	--	--	--
385939112272303	(C-21- 5) 7cdd- 3		--	08-11-92	1380	7.3	12.5	480	110	49
390005112262301	(C-21- 5) 8bdc- 2	100VLFL	407.00	06-30-92	785	7.5	17.5	--	--	--
385714112264701	(C-21- 5)29cbc- 1	100VLFL	900.00	06-29-92	2430	7.1	20.0	--	--	--
385715112271201	(C-21- 5)30dbc- 3	100VLFL	773.00	06-29-92	1770	7.1	19.5	--	--	--
385640114012401	(C-21-19)31cad- 1	100VLFL	395.00	07-15-92	560	--	13.0	--	--	--
385511112243501	(C-22- 5)10bbb- 2		338.00	08-10-92	1470	7.3	16.5	--	--	--
385303112234801	(C-22- 5)22adc- 2	100VLFL	260.00	06-30-92	1440	7.2	15.5	380	100	31
385615114013801	(C-22-19) 6bac- 1	100VLFL	395.00	07-15-92	548	7.8	12.0	260	66	22
384953112325101	(C-23- 6) 8abd- 1	100VLFL	200.00	06-29-92	6770	7.0	14.5	--	--	--
384910112321401	(C-23- 6) 9ccd- 1	100VLFL	136.00	08-10-92	5500	7.3	16.5	1500	380	130
384850112310701	(C-23- 6)15bca- 1		145.00	06-30-92	3360	7.2	14.5	750	200	60
384856112315701	(C-23- 6)16bad- 1		130.00	06-30-92	4400	7.3	15.0	1100	280	89
384751112312201	(C-23- 6)21add- 1	100VLFL	445.00	06-29-92	1120	7.7	14.0	--	--	--
384815114003701	(C-23-19)20bcd- 1	100VLFL	135.00	07-15-92	1200	--	11.0	--	--	--
384729114010301	(C-23-19)30aac- 1		--	07-15-92	1300	--	13.0	--	--	--
				PIUTE COUNTY						
381440111584001	(C-29- 2)35bad- 1	122BRHD	197.00	07-07-92	450	7.6	13.0	200	56	14
381003112010301	(C-30- 2)28bdc- 1		135.00	07-07-92	470	8.0	12.0	--	--	--
				SALT LAKE COUNTY						
404659112005601	(B- 1- 2)36baa- 1	100VLFL	464.00	07-21-92	6020	7.6	28.0	--	--	--
404057111565401	(C- 1- 1)33ddd- 1	100VLFL	886.00	08-06-92	1520	7.6	19.5	400	76	51
403408111543201	(C- 3- 1)12ccb- 1	100VLFL	118.00	07-21-92	950	7.6	20.0	290	63	31
402835111544701	(C- 4- 1)14aac- 1		--	07-20-92	1480	--	23.0	--	--	--
402721111550801	(C- 4- 1)23dbb- 1	100VLFL	262.00	07-20-92	1490	7.4	17.0	420	92	47
404506111523301	(D- 1- 1) 7abd- 6	100VLFL	130.00	07-21-92	1260	7.3	14.5	570	140	53
403742111503201	(D- 2- 1)21dbc- 1	100VLFL	740.00	07-21-92	275	8.1	11.5	120	31	10
403116111524801	(D- 3- 1)31abb- 1	100VLFL	138.00	07-20-92	470	7.4	15.0	--	--	--
				SAN JUAN COUNTY						
371716109325501	(D-40-22)30bbb- 1	220JRSC	825.00	03-02-92	790	8.6	13.0	6	1.3	0.61
		220JRSC	825.00	09-01-92	750	9.0	20.0	5	1.2	0.37
371621109211001	(D-40-23)27baa- 1	220JRSC	672.00	03-02-92	3000	7.5	14.0	--	--	--
		220JRSC	672.00	08-25-92	3140	7.5	20.0	100	24	10
		220JRSC	672.00	09-01-92	2550	7.5	19.5	--	--	--
				SANPETE COUNTY						
393715111375301	(D-14- 3) 7abb- 1		300.00	09-01-92	590	7.5	10.5	--	--	--
392740111345301	(D-16- 3) 4aaa- 1	100VLFL	160.00	03-11-92	1100	7.2	10.0	--	--	--
				SEVIER COUNTY						
385910111512101	(C-21- 1)13abd- 1		291.00	07-07-92	750	8.5	19.0	--	--	--
384757112002201	(C-23- 2)15dcb- 4		75.00	07-07-92	670	7.6	12.5	320	67	36
384702112031001	(C-23- 2)19dab- 1	110ALVM	310.00	07-07-92	530	7.6	17.5	250	48	32
384450112034001	(C-24- 2) 6abc- 1	110ALVM	308.00	07-07-92	1170	7.3	11.0	560	150	46
383140111522001	(C-26- 1)23ddb- 1	100VLFL	200.00	07-06-92	200	8.3	13.0	--	--	--
				TOOELE COUNTY						
403831112185401	(C- 2- 4)17dad- 1	100VLFL	--	08-13-92	1300	--	17.0	--	--	--
403648112185001	(C- 2- 4)29adc- 1		150.00	08-25-92	1240	--	13.5	--	--	--
403748112261201	(C- 2- 5)20acc- 1	100VLFL	240.00	09-18-92	1000	--	13.5	--	--	--
403800112243601	(C- 2- 5)21aad- 1		230.00	08-25-92	2170	--	15.5	--	--	--
403745112253701	(C- 2- 5)21cbb- 1	100VLFL	165.00	09-18-92	2120	--	14.0	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					MILLARD COUNTY--Continued							
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120	3.2	253	260	510	0.30	23	1420	8.60	0.040	10	<10	130
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30	1.5	233	28	150	0.20	18	564	12.0	0.040	<3	<1	50
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110	4.6	345	190	140	0.20	26	863	5.80	0.040	<3	<1	380
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120	19	260	99	250	0.60	13	792	0.620	0.050	<3	<1	690
15	1.3	247	16	19	0.10	15	313	2.40	<0.010	<3	<1	50
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630	68	300	900	1200	1.6	40	3550	3.40	0.060	<10	10	2500
380	44	310	460	660	0.90	34	2040	3.20	0.030	10	<10	2000
500	50	300	640	910	1.1	35	2700	3.80	0.090	<10	<10	2400
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					PIUTE COUNTY							
14	6.0	188	19	24	0.20	46	295	0.630	0.070	18	14	40
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					SALT LAKE COUNTY							
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160	6.4	149	250	280	0.40	49	969	1.40	<0.010	42	43	110
81	8.3	191	110	120	0.40	32	562	0.270	<0.010	<3	<1	130
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140	12	239	200	210	0.60	26	876	1.20	0.050	11	<1	260
44	2.7	252	170	130	<0.10	17	735	6.10	0.030	6	6	90
9.0	1.5	102	24	11	0.20	10	161	0.790	0.020	<3	<1	10
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					SAN JUAN COUNTY							
200	1.2	358	50	20	0.50	11	499	--	--	21	6	110
170	1.0	332	52	17	0.40	9.7	451	<0.050	<0.010	3	2	100
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680	14	771	230	500	1.4	11	1930	--	--	790	--	1500
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					SANPETE COUNTY							
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					SEVIER COUNTY							
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19	3.3	267	50	35	0.40	34	409	1.00	0.040	<3	<1	60
15	2.6	243	26	20	0.20	17	310	0.840	0.030	<3	<1	40
45	4.2	303	300	24	0.20	31	798	3.50	0.040	<3	7	160
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					TOOELE COUNTY							
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				TOOELE COUNTY--Continued						
404456112230501	(C- 2- 5)23cac- 1		80.00	08-13-92	3180	--	14.5	--	--	--
403722112211301	(C- 2- 5)25aab- 2		80.00	08-13-92	930	--	14.5	--	--	--
403655112255501	(C- 2- 5)29adc- 2	100VLFL	290.00	09-17-92	1010	--	17.5	--	--	--
403654112275201	(C- 2- 5)30bcc- 1		445.00	08-26-92	660	--	14.0	--	--	--
403650112265001	(C- 2- 5)30daa- 1	100VLFL	275.00	09-17-92	425	--	15.0	--	--	--
403626112271801	(C- 2- 5)30dcc- 1	100VLFL	510.00	08-26-92	560	--	15.0	--	--	--
403602112250101	(C- 2- 5)33acc- 1	111ALVM	--	08-04-92	1680	--	17.0	--	--	--
403300112301201	(C- 2- 6)23cbb- 1	100VLFL	210.00	08-04-92	1090	8.1	20.0	--	--	--
403740112290501	(C- 2- 6)24cbb- 2		150.00	08-26-92	510	--	15.0	--	--	--
403914112400301	(C- 2- 7) 7dda- 1		505.00	08-07-92	4630	7.7	19.5	--	--	--
403350112271801	(C- 3- 5) 7dcc- 1	100VLFL	395.00	08-04-92	530	7.6	14.0	230	64	17
402525112251502	(C- 4- 5)32cca- 2		210.00	07-28-92	1980	7.4	12.5	610	160	51
402604112445501	(C- 4- 8)33aba- 1		500.00	07-22-92	1420	--	15.0	--	--	--
				UINTAH COUNTY						
403116109360601	(D- 3-21)30dcd- 1	220NVJO	138.00	09-29-92	575	8.7	21.0	17	4.1	1.6
				UTAH COUNTY						
401730111594501	(C- 6- 1)18cdd- 1		265.00	07-28-92	720	7.4	29.5	270	67	26
401607112023401	(C- 6- 2)26cbb- 1	100VLFL	505.00	07-28-92	570	8.0	11.5	240	41	33
401600112023401	(C- 6- 2)26cbc- 1		--	05-28-92	610	--	11.5	--	--	--
401610112053101	(C- 6- 2)29bdd- 1	100VLFL	150.00	07-28-92	420	7.6	10.0	--	--	--
395710111571801	(C-10- 1) 9ccc- 1	100VLFL	474.00	08-10-92	1900	--	17.0	--	--	--
402621111463301	(D- 4- 1)25ddb- 1		1077.00	08-11-92	320	--	9.0	--	--	--
402518111462701	(D- 5- 1) 1aaa- 1	100VLFL	507.00	07-17-92	510	7.7	8.5	260	67	23
402455111471301	(D- 5- 1) 1bcd- 1		555.00	08-11-92	465	--	9.5	--	--	--
402420111505701	(D- 5- 1) 8aaa- 3		709.00	08-11-92	395	--	14.0	--	--	--
402419111471601	(D- 5- 1)12bbd- 1		432.00	08-11-92	445	--	9.0	--	--	--
402259111525201	(D- 5- 1)18cab- 2		618.00	07-17-92	315	8.2	14.0	130	27	14
402145111531101	(D- 5- 1)19ccc- 1	110ALVM	150.00	07-17-92	390	8.6	14.0	190	43	19
402103111461601	(D- 5- 2)30ccb- 2		225.00	07-17-92	780	7.5	11.5	--	--	--
401414111435301	(D- 7- 2) 4cbb- 2		144.00	08-17-92	550	7.7	12.5	250	63	23
400941111352701	(D- 7- 3)34cdb- 1	100VLFL	445.00	07-16-92	550	7.7	12.5	280	66	27
395942111470801	(D- 9- 1)36bbc- 1	100VLFL	386.00	07-16-92	475	7.7	10.0	--	--	--
400117111451101	(D- 9- 2)19aca- 1	100VLFL	343.00	08-10-92	705	--	13.0	--	--	--
395845111472801	(D-10- 1) 2adb- 1	100VLFL	580.00	08-10-92	560	--	10.0	--	--	--
				WASHINGTON COUNTY						
373456113423501	(C-37-17)12bdc- 2		290.00	07-14-92	490	7.4	13.5	190	61	10
371305113470401	(C-41-17)17cba- 1		626.00	07-14-92	470	7.5	18.0	220	65	14
370036113282801	(C-43-14)31bbb- 1		--	07-14-92	3300	7.4	20.5	--	--	--
				WAYNE COUNTY						
382717111365601	(D-27- 3)19aaa- 1		285.00	07-06-92	1630	7.3	10.5	--	--	--
381902111321101	(D-29- 3) 1cab- 1	110ALVM	433.00	07-06-92	230	8.0	15.0	--	--	--
				WEBER COUNTY						
411153112064602	(B- 5- 2) 6bdd- 3	100VLFL	609.00	07-16-92	365	8.1	15.0	--	--	--
411153112064601	(B- 5- 2) 6bdd- 4	100VLFL	303.00	07-16-92	485	7.8	14.0	160	34	18
412011112041401	(B- 7- 2)16dcd- 2	100VLFL	1176.00	07-15-92	340	8.1	25.0	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					TOOELE COUNTY--Continued							
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22	1.5	177	19	67	0.20	18	319	1.00	<0.010	77	4	30
170	2.0	219	140	440	0.10	14	1120	2.40	<0.010	20	<10	60
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					UINTAH COUNTY							
130	3.5	238	59	9.3	0.60	6.8	358	<0.050	<0.010	350	4	180
					UTAH COUNTY							
38	3.5	206	69	73	0.50	20	424	0.840	<0.010	<3	<1	100
20	3.1	204	28	57	0.30	60	366	0.210	0.010	8	18	60
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6.4	0.80	163	99	8.8	0.20	7.7	312	0.340	<0.010	19	<1	20
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16	1.8	127	15	19	0.40	16	187	0.420	<0.010	5	1	20
11	1.2	93	40	62	0.20	7.0	239	<0.050	<0.010	100	26	20
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18	3.0	234	51	15	0.30	19	333	<0.050	<0.010	650	72	<10
15	2.1	231	49	18	<0.10	11	332	1.30	<0.010	5	<1	20
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					WASHINGTON COUNTY							
27	4.5	197	22	30	0.30	46	329	2.30	0.060	<3	<1	70
14	1.8	197	35	20	0.30	21	292	0.580	<0.010	<3	4	50
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					WAYNE COUNTY							
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					WEBER COUNTY							
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33	13	242	<0.10	23	0.20	34	--	<0.050	0.240	320	250	110
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

QUALITY OF GROUND WATER IN WEST POND AREA
WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

STATION NUMBER	LOCAL IDENTIFIER	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	TEMPERATURE WATER (DEG C)	SPECIFIC CONDUCTANCE LAB (US/CM)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)
404407113283101	(C- 1-14)18bad- 3	02-28-92	1040	23.00	8.0	143000	960	1900	30000
		06-01-92	1500	23.00	16.5	140000	890	1800	44000
		09-02-92	1435	23.00	21.0	138000	880	1900	51000
404408113283101	(C- 1-14)18bad- 2	02-28-92	1020	6.50	8.0	136000	1300	1300	30000
		06-01-92	1430	6.50	16.5	134000	1200	1300	38000
		09-02-92	1420	6.50	21.5	--	--	--	--
404408113283201	(C- 1-14)18bad- 1	02-28-92	0955	8.50	7.5	138000	1300	1600	27000
		06-01-92	1400	8.50	15.0	136000	1200	1500	40000
		09-02-92	1400	8.50	20.0	133000	1700	1600	49000
404522113344901	(C- 1-15) 7add- 1	02-27-92	1345	3.00	8.0	186000	1600	2800	52000
		05-27-92	1405	3.00	20.0	--	--	--	--
		09-02-92	1245	3.00	25.5	--	--	--	--
404523113344701	(C- 1-15) 7add- 4	02-27-92	1220	5.50	9.5	169000	1800	1800	37000
		05-27-92	1155	5.50	14.5	--	--	--	--
		09-02-92	1140	5.50	21.5	--	--	--	--
404523113344702	(C- 1-15) 7add- 5	02-27-92	1300	15.50	11.0	170000	1600	2300	41000
		05-27-92	1230	15.50	15.5	169000	1500	2200	63000
		09-02-92	1155	15.50	20.0	168000	1700	2500	78000
404523113344703	(C- 1-15) 7add- 6	02-27-92	1320	36.50	11.5	156000	1300	2500	36000
		05-27-92	1315	36.50	14.0	--	--	--	--
		09-02-92	1215	36.50	20.5	152000	1300	2500	72000
404523113344801	(C- 1-15) 7add- 2	02-27-92	1415	15.00	11.0	--	--	--	--
		06-01-92	1305	15.00	17.5	--	--	--	--
		09-02-92	1255	15.00	21.0	--	--	--	--
404523113344802	(C- 1-15) 7add- 3	02-27-92	1425	30.00	11.5	--	--	--	--
		06-01-92	1320	30.00	17.5	--	--	--	--
		09-02-92	1310	30.00	20.5	--	--	--	--
405028113361901	(B- 1-15) 7cab- 4	02-28-92	1150	5.00	9.5	195000	1500	2200	52000
		05-29-92	1150	5.00	17.0	191000	1300	2100	78000
		09-01-92	1120	5.00	24.5	181000	1400	2200	93000
405028113361902	(B- 1-15) 7cab- 5	02-28-92	1215	19.00	10.0	182000	1500	2700	40000
		05-29-92	1225	19.00	17.0	177000	1500	2800	66000
		09-01-92	1210	19.00	25.0	175000	1400	2700	66000
405028113361903	(B- 1-15) 7cab- 6	02-28-92	1230	36.00	10.5	153000	1400	2500	34000
		05-29-92	1300	36.00	19.0	149000	1300	2400	46000
		09-01-92	1230	36.00	22.5	150000	1400	2800	57000
405028113362001	(B- 1-15) 7cab- 1	02-28-92	1250	6.00	8.0	201000	1600	2100	47000
		05-29-92	1335	6.00	23.0	204000	1600	1800	82000
		09-01-92	1255	6.00	25.5	--	--	--	--
405028113362101	(B- 1-15) 7cab- 3	02-28-92	1320	30.00	12.0	--	--	--	--
		05-29-92	1420	30.00	16.5	--	--	--	--
		09-01-92	1330	30.00	22.0	--	--	--	--
405028113362102	(B- 1-15) 7cab- 2	02-28-92	1310	15.00	10.0	196000	1500	2200	54000
		05-29-92	1400	15.00	16.5	191000	1400	2200	76000
		09-01-92	1305	15.00	23.0	190000	1500	2200	79000
405028113362401	(B- 1-15) 7cba- 2	02-28-92	1350	15.00	12.0	195000	1400	2100	27000
		06-01-92	1145	15.00	16.5	193000	1400	2100	74000
		09-01-92	1405	15.00	23.0	188000	1400	2100	93000
4050281133672501	(B- 1-15) 7cba- 1	02-28-92	1340	6.00	8.5	194000	1300	1500	57000
		06-01-92	1120	6.00	20.0	196000	1400	1500	79000
405028113362502	(B- 1-15) 7cba- 3	02-28-92	1420	30.00	12.0	--	--	--	--
		06-01-92	1215	30.00	16.0	--	--	--	--
		09-01-92	1420	30.00	22.5	--	--	--	--

QUALITY OF GROUND WATER IN WEST POND AREA
WATER QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

LOCAL IDENTIFIER	DATE	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO4)	FLUORIDE, DISSOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SPECIFIC GRAVITY
(C- 1-14)18bad- 3	02-28-92	260	72000	5900	5.6	129000	1.091
	06-01-92	2100	70000	7000	0.40	137000	1.090
	09-02-92	1800	70000	5700	--	130000	1.088
(C- 1-14)18bad- 2	02-28-92	1100	66000	3900	6.2	119000	1.085
	06-01-92	2200	63000	6100	0.40	127000	1.084
	09-02-92	--	--	--	--	--	1.083
(C- 1-14)18bad- 1	02-28-92	1900	70000	5500	5.9	124000	1.086
	06-01-92	2300	67000	6600	0.40	130000	1.085
	09-02-92	2500	69000	5600	--	132000	1.085
(C- 1-15) 7add- 1	02-27-92	8000	120000	7900	5.6	204000	1.139
	05-27-92	--	--	--	--	--	1.139
	09-02-92	--	--	--	--	--	1.137
(C- 1-15) 7add- 4	02-27-92	1300	95000	5000	3.9	166000	1.116
	05-27-92	--	--	--	--	--	1.128
	09-02-92	--	--	--	--	--	1.122
(C- 1-15) 7add- 5	02-27-92	7000	96000	6600	9.0	170000	1.118
	05-27-92	2800	97000	8300	1.7	190000	1.121
	09-02-92	2900	98000	6600	--	186000	1.121
(C- 1-15) 7add- 6	02-27-92	36000	83000	7900	5.7	147000	1.103
	05-27-92	--	--	--	--	--	1.104
	09-02-92	2600	83000	6500	--	161000	1.102
(C- 1-15) 7add- 2	02-27-92	--	--	--	--	--	1.113
	06-01-92	--	--	--	--	--	1.114
	09-02-92	--	--	--	--	--	1.113
(C- 1-15) 7add- 3	02-27-92	--	--	--	--	--	1.111
	06-01-92	--	--	--	--	--	1.112
	09-02-92	--	--	--	--	--	1.110
(B- 1-15) 7cab- 4	02-28-92	6900	130000	6100	6.2	219000	1.147
	05-29-92	2900	<21000	8300	4.4	231000	1.146
	09-01-92	2900	120000	6400	--	235000	1.146
(B- 1-15) 7cab- 5	02-28-92	6700	110000	6400	4.5	190000	1.130
	05-29-92	3100	<2200	8300	0.20	202000	1.128
	09-01-92	3000	110000	6100	--	205000	1.128
(B- 1-15) 7cab- 6	02-28-92	2100	81000	6700	5.6	143000	1.100
	05-29-92	2000	77000	7800	0.40	153000	1.099
	09-01-92	2600	78000	4800	--	157000	1.101
(B- 1-15) 7cab- 1	02-28-92	1200	130000	6600	8.0	232000	1.166
	05-29-92	3400	<57000	8200	3.9	261000	1.163
	09-01-92	--	--	--	--	--	1.168
(B- 1-15) 7cab- 3	02-28-92	--	--	--	--	--	1.146
	05-29-92	--	--	--	--	--	1.151
	09-01-92	--	--	--	--	--	1.150
(B- 1-15) 7cab- 2	02-28-92	3400	130000	6500	7.4	222000	1.149
	05-29-92	3200	<24000	7800	0.60	229000	1.147
	09-01-92	3000	130000	6100	--	236000	1.147
(B- 1-15) 7cba- 2	02-28-92	3400	120000	5600	4.8	216000	1.145
	06-01-92	34000	120000	8200	0.40	235000	1.146
	09-01-92	2800	120000	9700	--	232000	1.149
(B- 1-15) 7cba- 1	02-28-92	9.4	120000	6200	5.7	216000	1.146
	06-01-92	2700	<25000	7100	<0.10	236000	1.150
(B- 1-15) 7cba- 3	02-28-92	--	--	--	--	--	1.123
	06-01-92	--	--	--	--	--	1.123
	09-01-92	--	--	--	--	--	1.123

TRACE METAL DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DUCHESNE COUNTY

STATION NUMBER	LOCAL IDENTIFIER	DATE	TIME	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	STRONTIUM, DISSOLVED (UG/L AS SR)
402114110003301	U(C- 1- 1)33bcc- 1	07-10-92	0845	23	120	550	82	20	2100
402246110061501	U(C- 1- 2)22cbb- 1	07-08-92	1350	70	60	1100	36	16	400
402319110025601	U(C- 1- 2)24aaa- 1	07-10-92	1030	47	20	570	27	21	370
402135110051901	U(C- 1- 2)27ddc- 1	07-09-92	1800	55	20	760	23	20	280
402116110030801	U(C- 1- 2)36adc- 1	07-09-92	1830	45	30	170	27	26	540
401940110023601	U(C- 2- 1) 7bbd- 1	07-09-92	1500	55	120	310	27	11	150
401919109593201	U(C- 2- 1) 9dad- 1	07-10-92	1130	15	50	88	41	5	15
401823109590401	U(C- 2- 1)15cac- 1	07-10-92	1330	16	50	32	33	4	15
401819110041601	U(C- 2- 2)14ddb- 1	07-09-92	1030	48	150	150	22	14	280
401946110044601	U(C- 2- 2)11bab- 1	07-09-92	1300	46	40	170	14	22	380

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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