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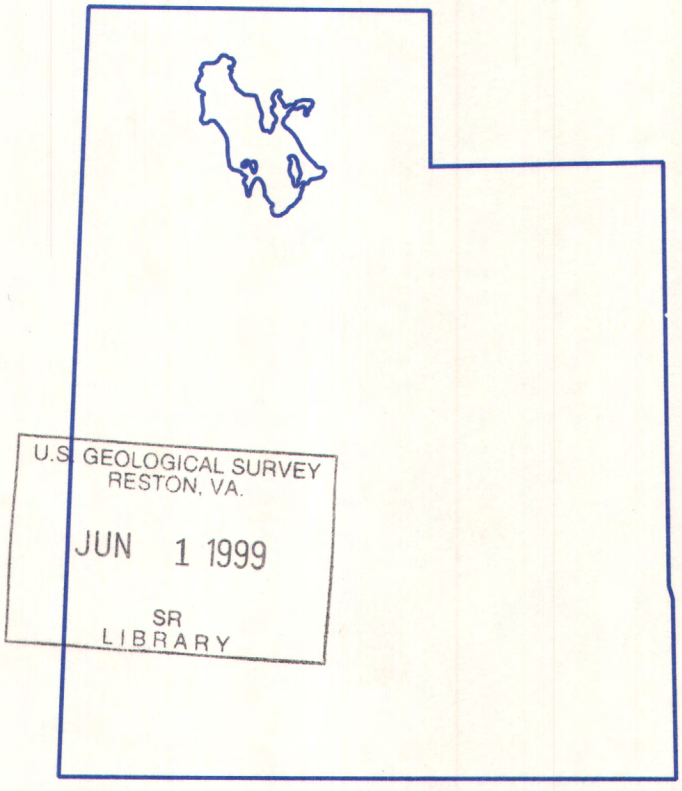
Water Resources Data
Utah
Water Year 1996



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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT UT-96-1
Prepared in cooperation with the State of Utah
and with other agencies

CALENDAR FOR WATER YEAR 1996

1995

OCTOBER

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1996

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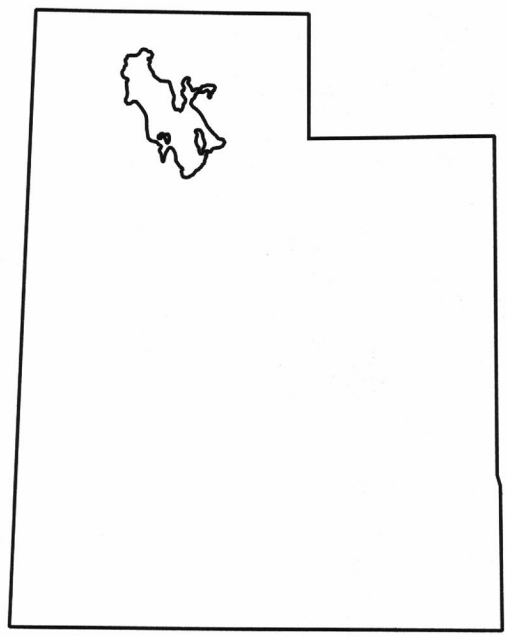
Water Resources Data
Utah
Water Year 1996

by L.R. Herbert, J.R. Tibbetts, D.E. Wilberg,
D.V. Allen, and D.D. Canny



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT UT-96-1
Prepared in cooperation with the State of Utah
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

GEOLOGICAL SURVEY

Gordon Eaton, Director

For information on the water program in Utah, write to:

District Chief, Water Resources Division
U.S. Geological Survey
1016 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

1997

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 Nations 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 signifcantly to the collection, processing, and tabulation of the data:

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Water resources datdfa for the l996 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 166 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 14 hydrologic stations, and 185 wells; and water levels for 49 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.

14. SUBJECT TERMS

*Utah, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analysis, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

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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 reservoir 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. Stations shown in bold were discontinued at end of previous water year. 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, Co (d)	09177500	12	1944-67
Deep Creek near Paradox, Co (d)	09178000	---	1944-53
TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER			
Geyser Creek near Paradox, Co (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
Mill Creek near Moab, Ut (d)	09184000	74.9	1949-71 1972-93
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
Indian Creek above Cottonwood Creek near Monticello, Ut (d)	09186500	31.2	1949-71 1988-91
Cottonwood Creek near Monticello, Ut (d)	09187000	115	1950-57
Indian Creek above Harts Draw 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
Henrys Fork near Manila (d)	09229500	520	1928-93
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
GREEN RIVER BASIN--Continued			
Crouse Creek near Vernal, Ut (d)	09235100	30.2	1986-90
Pot Creek above diversions, near Vernal (d)	09235600	24.6	1957-93
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
Little 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, Ut (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
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 Vat Diversion near Hanna, Ut (d)	09274900	37.0	1989-94
West Fork Duchesne River below Dry Hollow near Hanna, Ut (d)	09275000	43.8	1950-68
			1974-81
West Fork Duchesne River near Hanna, Ut (d)	09275500	61.6	1945-94
Wolf Creek above Rhoades Canyon near Hanna, Ut (d)	09276000	10.6	1946-84
Wolf Creek near Hanna, Ut (d)	09276500	a19	1922-23
Duchesne River at Hanna, Ut (d)	09277000	a230	1953-61
Comb. flow Duchesne Riv & Duchesne Tunnel nr Tabiona, Ut (d)	09277501	---	1919-67
Rock Creek above South Fork, near Hanna, Ut (d)	09277800	98.9	1965-84
			1988-94
South Fork Rock Creek near Hanna, Ut (d)	09278000	15.7	1953-92

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
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
Rock Creek near Talmage, Ut (d)	09279100	238	1963-94
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 blw mouth of Indian Creek, Strawberry Valley, Ut (d)	09284500	182	1903-06
			1909
Strawberry River near Soldier Springs, Ut (d)	09285000	213	1942-56
			1963-94
Willow Creek near Soldier Springs, Ut (d)	09285500	a44	1943-47
Strawberry River above Red Creek near Fruitland, Ut (d)	09285700	363	1964-81
Strawberry River at Pinnacles near Fruitland, Ut (d)	09285900	372	1989-94
Red Creek near Fruitland, Ut (d)	09286500	a89	1918-22
			1956-61
Currant Creek below Currant Creek Dam, near Fruitland, Ut (d)	09286700	48.0	1983-94
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
Starvation Reservoir near Duchesne, Ut (e)	09288395	1,058	1989-94
Strawberry River below Starvation Reservoir near Duchesne, Ut (d)	09288400	1,059	1989-94
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
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
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 Diversion (d)	09307290	---	1978-80
Lambs Diversion from Pariette Draw near Ouray, Ut (d)	09307295	---	1978-82
Pariette Draw at mouth near Ouray, Ut (d)	09307300	298	1975-84

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER--Continued			
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, Ut (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 Summt, 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
Price River at Woodside, Ut (d)	09314500	1,540	1909-10, 1911, 1945-92
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 River, 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER--Continued			
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
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, nr Castle Dale, Ut (d)	09328100	1,284	1975-86
Cresent 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 Frement, Ut (d)	09329500	205	1949-58
Pine Creek near Bicknell, Ut (d)	09329900	104	1965-80
Plesant Creek near Caineville, Ut (d)	09330210	115	1969-72
Bull Creek near Hanksville, Ut (d)	09330410	7.53	1983-91
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
Dirty Devil River above Poison Spring Wash, near Hanksville (d)	09333500	4,159	1948-93
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
Montezuma Creek at Golf Course, at Monticello, Ut (d)	09378200	17.6	1979-92
Montezuma Creek near Bluff, Ut (d)	09378600	1,154	1985-93
Recapture Creek below Johnson Creek, near Blanding, Ut (d)	09378650	50.2	1975-93
Cottonwood Wash near Blanding, Ut (d)	09378700	205	1965-87
Comb Wash near Bluff, Ut (d)	09379000	278	1959-68

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
COMBNED INFLOW ABOVE GLEN CANYON DAM			
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			
Deep Creek near Cedar City, Ut (d)	09405200	6.72	1987-93
East Fork Deep Creek near Cedar City, Ut (d)	09405250	7.82	1987-93
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
North Fork Virgin River above Big Bend near Springdale, Ut (d)	09405490	311	1991-94
Springdale Canal near Springdale, Ut (d)	09405499	---	1969-89
North Creek near Virgin, Ut (d)	09405900	110	1984-93
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	a133.9	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 above Quail Creek near Hurricane, Ut (d)	09408135	1,381	1989-90, 1992-93
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-Pinto Diversion near Pinto, Ut (d)	09408500	---	1954-62, 1970-95
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
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
Sulpher Creek below reservoir, near Evanston, Wy (d)	10015900	69.2	1958-92

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
Sulpher 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
Bear River near Randolph, Ut (d)	10026500	1,616	1943-92
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 near Wyoming-Idaho state line (d)	10041000	113	1949-92
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	--	1911-92
Bear River at Dingle, Id (d)	10044500	a2,810	1903-14
Bear River below Stewart Dam near Montpelier, Id (d)	10046500	2,853	1922-92
Montpelier Creek near Montpelier, Id (d)	10047000	28.2	1939-44
Montpelier Creek below Diversions 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 Pairs, 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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	1889-1919
			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
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
Bear River near Smithfield, Ut (d)	10102250	5193	1964-78
			1990-95
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
Little Bear River below Davenport Creek near Avon, Ut (d)	10104700	61.6	1960-92
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 River 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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 below Mill Creek near Hyrum, Ut (d)	10111700	78.0	1965-69 1985-92
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 Corinne, 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
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
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
Wheeler Creek near Huntsville, Ut (d)	10139300	11.1	1959-95
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)	10408000	---	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 diversions near Farmington, Ut (d)	10142000	10.0	1950-71
Ricks Creek 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
Salt Creek near Nephi, Ut (d)	10145500	a95	1925-38
JORDAN RIVER BASIN			
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
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 Fork, 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
Provo River below Jordanelle Dam, near Heber, Ut (d)	10155100	252	1991-94
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 Highway 189 near Provo, Ut (d)	10162850	0.66	1948-83
South Fork of American Fork near American Fork, 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 Spanish Fork), 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 Lane) near Murray, Ut (d)	10167122	---	1980-82
Upper Canal at Wild Rose Lane 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 nr SLC, Ut (US) (d)	10167141	---	1980-82
Jordan & Salt Lake Canal at Little Cottonwood Creek nr SLC, Ut (DS) (d)	10167142	---	1980-82
Jordan & Salt Lake Canal at Big Cottonwood Creek nr Murray, Ut (US) (d)	10167145	---	1980-81
Jordan & Salt Lake Canal at Big Cottonwood Creek nr 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
Jordan River at 90th South near Midvale, Ut (d)	10167230	q3,130	1980-84
			1986-89

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
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	1984-86
Jordan River at 5800 South near Salt Lake City, Ut (d)	10167300	q3,254	1965-68
			1980-85
Little Cottonwood Creek (channel) near Salt Lake City, 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 Salt Lake City, Ut (d)	10167700	35.2	1963-67
			1979-81
			1983-87
Little Cottonwood Creek at Crestwood Park at Salt Lake City, Ut (d)	10167800	---	1987-89
Little Cottonwood Creek at Jordan River near Salt Lake City, Ut (d)	10168000	---	1980-84
			1987-88
Big Cottonwood Creek (Cottonwood Creek) near Salt Lake City, Ut (d)	10168500	50.0	1898-1967
Big Cottonwood Creek at 5550 South near Salt Lake City, Ut (d)	10168800	57.3	1964-68
			1980-89
Neffs Creek above Wasatch Boulevard near Salt Lake City, Ut (d)	10168832	---	1984-86
Spring Run at 9th East & 48th South near Murray, Ut (d)	10169000	---	1933-35
Big Cottonwood Creek at Jordan River near Salt Lake City, Ut (d)	10169500	a78	1933-35
(at 2nd West near Murray, Ut)			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 Salt Lake City, Ut (d)	10170200	22.6	1963-67
Mill Creek at Jordan River near Salt Lake City, Ut (d)	10170250	a32	1984
			1986-88
Combined flow Jordan River and Surplus Canal at Salt Lake City, Ut (d)	10170490	---	1943-89
North Point Canal below Goss Flume at Salt Lake City, Ut (d)	10170700	---	1963-67
			1979-83
Surplus Canal at North Temple at Salt Lake City, Ut (d)	10170750	---	1976-82
Surplus Canal at Cohen Flume near Salt Lake City, Ut (d)	10170800	---	1963-67
Parleys Creek near Salt Lake City, Ut (d)	10171500	50.1	1898-1963
Parleys Creek at Suicide Rock near Salt Lake City, Ut (d)	10171600	50.7	1964-68
			1980-88
Emigration Creek below Burr Fork near Salt Lake City, 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 Salt Lake City, Ut (d)	10172100	a9	1963-67
Red Butte Creek below reservoir near Salt Lake City, 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 So. Conduit at Jordan River, Salt Lake City, Ut (d)	10172351	---	1986-89
North Conduit of 1300 So. Conduit at Jordan River, Salt Lake City, Ut (d)	10172352	---	1980-81
			1985-89
City Creek above Wasatch Drive, near Salt Lake City, 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 Salt Lake City, Ut (d)	10172550	---	1975-86
Jordan River at Cudahay Lane near Salt Lake City, Ut (d)	10172600	q3,590	1963-68
			1974-76
Sewage Canal at Cudahay Lane near Salt Lake City, Ut (d)	10172620	---	1963-67
Storm Drain at International Center near Salt Lake City, Ut (d)	10172624	0.08	1984-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
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
Box Elder Wash near Grantsville, Ut (d)	10172795	9.84	1986-94
North Willow Creek near Grantsville, Ut (d)	10172805	5.38	1979-92
GREAT SALT LAKE DESERT			
Trout Creek near Callao, Ut (d)	10172870	8.19	1959-95
Deep Creek 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
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 Panquitch, Ut (d)	10175500	---	1913-19
Long Canal near Panquitch, Ut (d)	10176000	---	1914-19
Panquitch Creek near Panguitch, Ut (d)	10176300	97.0	1961-80
East Panquitch 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
Sevier River near Circleville, Ut (d)	10180000	986	1912
			1914-27
			1950-95
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
East Fork Sevier River near Ruby's Inn, Ut (d)	10183900	71.6	1962-95

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
Tropic and East Fork Canal near Tropic, Ut (d)	10184000	---	1950-61
East Fork Sevier 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 Coyoto, 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 Reservoir near Antimony, Ut (e)	10188000	373	1914-15
			1934-95
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
Piute Reservoir near Marysvale, Ut (e)	10191000	2438	1914-95
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
Sevier River above Clear Creek, near Sevier, Ut (d)	10194000	2,707	1911-16
			1939-55
			1961-95
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
Monroe 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
Salina Creek at Salina, Ut (d)	10206000	292	1914-16
			1918-19
			1943-55
			1960-95
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
San Pitch River near Mount Pleasant, Ut (d)	10210500	170	1988-89

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
Big Hollow at Fountain Green, Ut (d)	10215500	---	1965-68
Oak Creek near Spring City, Ut (d)	10215700	8.35	1964-74
			1979-94
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
Sevier Bridge Reservoir, near Juab, Ut (e)	10218500	5,155	1914-95
Wellington Canal near Mills, Ut (d)	10219100	---	1914-18
Chicken Creek near Levan, Ut (d)	10219200	27.9	1963-95
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
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
			1938-95
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 VALLEY, IRON COUNTY			
Ashdown Creek near Cedar City, Ut (d)	10241800	13.1	1958-61
Grassy Creek near Enterprise, Ut (d)	10242430	a2.5	1965-68

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 reservoir 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. Stations shown in bold were discontinued at end of previous water year. 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
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
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. Stations shown in bold were discontinued at end of previous water year.

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 1956-57
Hades Creek near Hanna, Ut	09273500	a75	c	1951 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

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN--Continued				
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
Rock Creek near Talmage, Ut	09291000	238	c,t	1947-48 1963-65 1971-91
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
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN--Continued				
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 Riv blw diversion works nr Whiterocks, Ut	09297600	216	c,t	1977-81
East Channel Uinta Riv blw diversion works near Whiterocks, Ut	09297700	215	c,t	1977-81
East Channel Uinta Riv at County Road Bridge nr Whiterocks, Ut	09297800	253	c,t	1977-81
East Channel Uinta Riv 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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
WHITE RIVER BASIN--Continued				
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
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER--Continued				
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
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 River, Ut	09316100	56.6	c,s,t	1983-86

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER--Continued				
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	26	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, near Castle Dale, Ut	09328100	1,28	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
Bull Creek near Hanksville, Ut	09330410	7.53	c,s	1983-91
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
Montezuma Creek near Bluff, Ut	09378600	1,154	c	1985-93
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
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 above Quail Creek near Hurricane, Ut	09408135	1,381	t	1992-93
Virgin River near Hurricane, Ut	09408150	1,499	c,s,t	1967-93
Santa Clara-Pinto Diversion near Pinto, Ut	09408500	---	c,t	1973-76
				1978-91
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
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
Sulphur Creek below Reservoir near Evanston, Wy	10015900	69.2	c,t	1958-92
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
Bear River near Randolph, Ut	10026500	1,616	c,t	1943-92
Rock Creek near Fossil, Wy	10026800	49.0	c,t	1961
Bear River below Pixley Dam near Cokeville, Wy	10028500	2,03	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 Border, Wy	10039500	2,486	c,s	1966-93
Thomas Fork near Wyoming-Idaho state line	10041000	113	c,t	1949-92
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
BEAR RIVER BASIN--Continued				
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
Bear River near Smithfield,Ut	10102250	5,193	c,t	1964-68 1973-78 1991
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
Little Bear River below Davenport Creek near Avon, Ut	10104700	61.5	s	1986-91
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
Blacksmith Fork below Mill Creek, near Hyrum, Ut	10111700	78	c,t	1965-69 1985-92
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 blw Bear River Duck Club Canal near Bear River City, Ut	10125800	a698	c,t	1965-68
Bear River near Corinne, Ut	10126000	7,029	c,t	1973-94

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER				
Sulphur Creek near Corinne, 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
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
Wheeler Creek near Huntsville, Ut	10139300	11.1	c,t	1971-75 1977-91
Ogden River near Ogden, Ut	10139500	321	c,t	1988
Hooper Slough near Hooper, Ut	10141040	13.0	c,t	1975 1979-83
Weber River near Plain City, Ut	10141000	2,081	c,s	1974-93
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 below Halls Falls near Thistle, Ut	10148510	452	c,t	1983-92
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 nr 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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
JORDAN RIVER BASIN--Continued				
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,	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
Jordan River at Salt Lake City, Ut	10171000	3,438	b,c	1974-94
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
North Willow Creek near Grantsville, Ut	10172805	5.38	c,t	1979-92
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
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
Trout Creek near Callao, Ut	10172870	8.19	c,t	1971-91
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
Sevier River at Hatch, Ut	10174500	340	c,s,t	1985-92
Panguitch Creek near Panguitch, Ut	10176300	97.0	c,t	1971-80
Sevier River near Circleville, Ut	10180000	986	c,t	1971-91
East Fork Sevier River near Ruby's Inn, Ut	10183900	71.6	c,t	1971-91
Antimony Creek near Antimony, Ut	10185000	50.3	c,t	1971-76
Otter Creek near Koosharem, Ut	10187300	23.5	c,t	1971-82
Otter Creek above Reservoir near Antimony, Ut	10187500	322	c,t	1971-80

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
SEVIER LAKE BASIN--Continued				
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
Salina Creek at Salina, Ut	10206000	51.8	c,t	1971-91
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
Chicken Creek near Levan, Ut	10219200	27.9	c,t	1971-94t
Sevier River near Lynndyl, Ut	10224000	5,966	b,c,t	1951-94
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

WATER RESOURCES DATA FOR UTAH, 1996

INTRODUCTION

Water resources datdfa for the l996 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 166 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 14 hydrologic stations, and 185 wells; and water levels for 49 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, l969, these water-supply papers were in an annual series and then in a 5-year series for l96l-65 and l966-70. Records of chemical quality, water temperatures, and suspended sediment were published from l941 to l970 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 l975 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-96-1." 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.

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) 975-3350.

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, Ted Stewart, Executive Director
Division of Water Rights, R. L. Morgan, State Engineer
Division of Water Resources, D. L. Anderson, Director
Bear River Commission, Denice Wheeler, Chairman
Salt Lake County Flood Control, Brent Overson, Chairman
National Park Service, Roger C. Kennedy, Director
Weber Basin Water Conservancy District, Ivan Flint
Tooele City, Gerald Webster, Engineer
Ogden River Water Users, Terel Grimley
Weber River Water Users, Floyd Baham
Central Utah Water Conservancy District, Don Christiansen
Tooele County, Ray Johnson, Engineer
Nephi City, Lee Fowkes
Kane Cunty Wate Conservancy District, Todd MacFarland
St. George City, Kirk Bradley
Washington County Water Conservancy District, Ron Thompson
Arizona Departrment of Water Resources
Kanab City, Keith Robinson

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. Records for 9 gaging stations in Idaho in the Bear River basin and 8 in Utah were collected by the Utah Power 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
Blacks Fork near Robertson,Wy
East Fork of Smiths Fork, near Robertson, WY
Green River near Green River, WY

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

Hydrologic conditions for Utah can vary greatly across the State because of topography, geology, and changing seasonal atmospheric conditions. Annual precipitation ranges from about 5 inches in the Great Salt Lake Desert to about 60 inches on the highest mountains (Butler and Marsell, 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 above 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 occur as a result of snowmelt or thunderstorms.

Precipitation

During water years 1993-95, precipitation in Utah has alternated between greater-than and less-than normal* (1961-90) each year, a pattern that continued for the 1996 water year. Precipitation in Utah during the 1996 water year was less than normal at 11 of 12 selected precipitation-recording stations operated by the National Oceanic and Atmospheric Administration (National Oceanic and Atmospheric Administration, 1995 and 1996) in Utah (fig. 1). Dry conditions began in July of 1995 and persisted through December. January (+10.50 inches) and February (+6.67 inches) were generally wetter-than-normal statewide, except in the extreme southeastern part of the State. Precipitation was generally less-than-normal statewide during March to September (table 1). Of the 12 stations, only Alta, located about 25 miles southeast of Salt Lake City at an elevation of 8,730 feet above sea level, received greater-than-normal precipitation for the water year. The total of 62.62 inches of precipitation was +9.04 inches greater than normal. However, precipitation at Alta during January alone was +8.54 inches greater than normal, which accounted for most of the surplus precipitation for the entire water year.

Of the remaining 11 sites, located at elevations ranging from 4,050 to 5,610 feet above sea level, Hanksville recorded the least precipitation with 3.19 inches, or -2.57 inches less than normal. Statewide, the driest months were October, -11.78 inches total departure, and August, -10.25 inches total departure. All 12 stations recorded less-than-normal precipitation during both October and August. The average departure-from-normal precipitation for the water year at these 11 sites was -2.66 inches. The southern part of the State was affected most by the less-than-normal precipitation. Insufficient snowpack and rainfall, and low soil moisture throughout the area, led to significant crop and livestock losses and contributed to the worst wildfire season the State has experienced. During the 1996 fire season,

Table 1. Precipitation and departure from normal precipitation at selected sites for water year 1996

[In inches; upper number indicates precipitation; lower number (in parentheses) indicates precipitation departure from 1961-90 normal precipitation; T, trace; e, estimated from partial record]

Site	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total Departure
Alta	1.93	7.08	8.27	15.53	10.16	6.86	4.36	2.7	1.05	1.41	0.76	2.51	62.62
	(-1.55)	(1.38)	(1.37)	(8.54)	(3.73)	(0.10)	(-1.72)	(-0.69)	(-0.78)	(-0.21)	(-1.03)	(-0.10)	(9.04)
Black Rock	0.00	0.04	0.22	0.55	0.76	0.92	0.29	0.95	0.00	0.60	0.34	0.59	5.26
	(-0.78)	(-0.73)	(-0.37)	(0.05)	(0.28)	(-0.2)	(-0.69)	(0.17)	(-0.54)	(-0.26)	(-0.49)	(-0.27)	(-3.83)
Bluff	0.00	0.11	0.03	0.35	0.18	0.23	0.25	0.21	0.22	0.49	0.02	1.62	3.71
	(-1.06)	(-0.66)	(-0.72)	(-0.36)	(-0.49)	(-0.44)	(-0.23)	(-0.2)	(-0.01)	(-0.43)	(-0.81)	(0.89)	(-4.52)
Callao	0.00	0.19	0.36	0.44	0.41	0.94	0.43	1.44	0.02	0.89	0.24	0.68	6.04
	(-0.66)	(-0.15)	(0.08)	(0.15)	(0.08)	(0.53)	(-0.04)	(0.63)	(-0.71)	(0.36)	(-0.42)	(0.08)	(-0.07)
Cedar City	0.00	0.16	1.37	1.04	0.39	0.79	0.63	1.25	0.00	1.21	0.08	0.95	7.87
	(-0.95)	(-0.84)	(0.67)	(0.35)	(-0.5)	(-0.57)	(-0.47)	(0.41)	(-0.43)	(0.12)	(-1.39)	(0.00)	(-3.63)
Green River	0.02	0.07	0.10	0.5	0.43	0.32	0.36	1.13	1.03	1.55	0.02	0.98	6.51
	(-0.87)	(-0.38)	(-0.31)	(0.1)	(0.11)	(-0.27)	(-0.14)	(0.5)	(0.63)	(0.98)	(-0.73)	(0.19)	(-0.19)
Hanksville	0.00	0.00	0.23	0.38	0.14	0.24	0.05	0.43	0.21	0.08	0.11	1.32	3.19
	(-0.68)	(-0.41)	(-0.08)	(0)	(-0.11)	(-0.27)	(-0.37)	(-0.06)	(-0.09)	(-0.46)	(-0.62)	(0.58)	(-2.57)
Logan	0.57	0.81	1.31	1.82	1.57	2.43	1.95	4.05	0.10	1.27	0.05	0.45	16.38
	(-1.3)	(-0.92)	(-0.41)	(0.42)	(-0.08)	(0.41)	(-0.2)	(2.01)	(-1.47)	(0.49)	(-0.92)	(-1.17)	(-3.14)
Nephi	0.05	0.22	0.88	1.09	2.07	2.34	1.15	1.19	0.02	0.50	0.16	1.12	10.79
	(-1.21)	(-1.17)	(-0.45)	(-0.10)	(0.88)	(0.63)	(-0.36)	(-0.19)	(-0.83)	(-0.34)	(-0.85)	(-0.06)	(-4.05)
Salt Lake City	0.53	0.85	1.20	3.09	1.54	2.71	2.2	1.32	0.09	0.41	0.02	1.03	14.99
	(-0.91)	(-0.44)	(-0.2)	(1.98)	(0.31)	(0.8)	(0.08)	(-0.48)	(-0.84)	(-0.4)	(-0.84)	(-0.25)	(-1.19)
Vernal	0.17	0.09	0.06	0.71	0.51	0.48	0.43	1.28	0.67	1.53	0.02	1.02	6.97
	(-0.89)	(-0.51)	(-0.57)	(0.29)	(0.10)	(-0.17)	(-0.38)	(0.40)	(-0.12)	(1.03)	(-0.56)	(0.15)	(-1.23)
Zion N.P.	0.00	0.83	0.61	0.67	3.96	1.18	0.3	0.46	0.20	1.52	0.2	0.66	10.59
	(-0.92)	(-0.63)	(-0.67)	(-0.92)	(2.36)	(-0.87)	(-0.85)	(-0.38)	(-0.28)	(0.27)	(-1.59)	(-0.34)	(-4.82)
Total Departure	-11.78	-5.46	-1.66	10.5	6.67	-0.32	-5.37	2.12	-5.47	1.15	-10.25	-0.30	

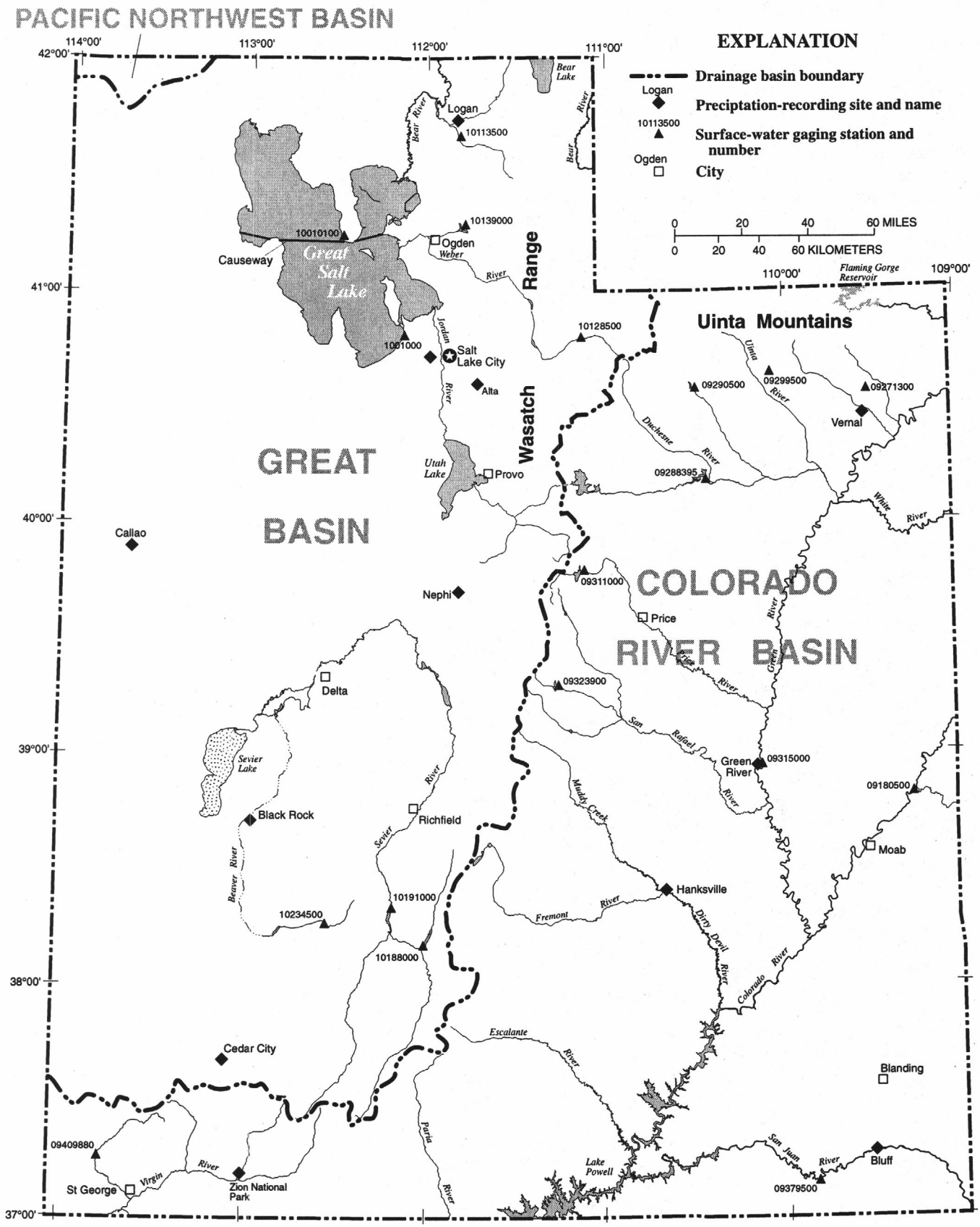

Figure 1. Precipitation-recording sites and U.S.G.S. surface-water gaging stations.

about 480,000 acres burned in Utah. Other severe fire seasons include: 1940, 113,000 acres; 1942, 84,800 acres; 1988, 78,800 acres; 1994, 166,000 acres, and 1995; 88,100 acres (Gary Cornell, Salt Lake Interagency Fire Center, written commun.)

Streamflow and Reservoir Storage

Mean annual discharge at seven long-term, representative streamflow-gaging stations (fig. 2) was slightly greater than the long-term annual median (1944-95) discharge at four of the seven stations. The four stations, Colorado River near Cisco, Utah (09180500), Green River at Green River, Utah (09315000), Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, Utah (10113500), and Weber River near Oakley, Utah (10128500), averaged 115 percent of the long-term median and ranged from a minimum of 111 percent at Green River to a maximum of 122 percent at Colorado River. For most of the water year, the Colorado River and Green River are controlled by large reservoirs; the other two stations, Blacksmith Fork (113 percent) and Weber River (115 percent), are less affected by diversions and reservoirs. The three stations with mean average discharges less than the long-term median were Whiterocks River near Whiterocks, Utah (09299500) with 83 percent, San Juan River near Bluff, Utah (09379500) with 53 percent, and Beaver River near Beaver, Utah (10234500) with 78 percent. Streamflows Statewide were generally less than normal in the eastern and southern parts of the State, and near to slightly above-normal in the northern parts of the State. At Kanab Creek near Kanab, Utah (09403600) (fig. 12), located near the Utah-Arizona border, the mean annual discharge was 7.54 cubic feet per second, which is the lowest annual mean discharge for the period of record (1980-96) at this gage.

Mean monthly discharge at the Colorado River and Green River gages was near or slightly more the seventy-fifth percentile from October through May, then decreased to near the long-term monthly median flow for June through September. Mean monthly discharge at Blacksmith Fork ranged between the long-term monthly median and seventy-fifth percentile each month except for March, when the mean flow (124 cubic feet per second) slightly exceeded the long-term seventy-fifth percentile (123 cubic feet per second). Mean monthly discharge at San Juan River near Bluff was near the long-term median for October through December, then decreased to less than the twenty-fifth percentile for much of the remainder of the water year. At this gage the April mean monthly discharge, 598 cubic feet second, is the fifth lowest for 74 years of record, the minimum being 399 cubic feet per second recorded in 1977.

Combined reservoir contents on September 30, 1996, at 15 selected reservoirs in Utah, averaged 117 percent of the long-term (1961-90) average usable contents**, down from 130 percent for the 1995 water year. Contents at the end of the water year were greater than the long-term average at 10 of the 15 reservoirs. The largest percentage of capacity was at Piute Reservoir near Marysvale, Utah (10191000), with 269 percent, and the smallest was at Moon Lake near Mountain Home, Utah (09290500), which was 42 percent of capacity. Storage in Bear Lake, located in northern Utah, peaked at about 934,000 acre-feet during July 18-19, which is about 288,000 acre-feet more than the peak for the 1995 water year (646,000 acre-feet) and 91 percent of the long-term average contents (1,027,400 acre-feet). Minimum storage in Bear Lake was 541,000 acre-feet on October 13 to November 6, 1995, which is more than double the minimum for the 1995 water year (268,000 acre-feet).

The south part of Great Salt Lake (10010000) reached a maximum daily mean elevation for the 1996 water year of 4,200.8 feet above sea level on many days in April, May, and June (fig. 3) that was the same as the peak elevation for the previous two water years. Fluctuations in the level of Great Salt Lake occur because of changes in the rates of fresh-water inflow, movement of water through the Southern Pacific Railroad causeway, and evaporation outflow. Great Salt Lake normally reaches its peak elevation between late April and early June and its lowest elevation between late September and early December. The minimum elevation for the 1996 water year was 4,198.8 feet above sea level on many days in October, November, and December, which is 0.9 feet higher than the minimum for the 1995 water year. The elevation of the north part of Great Salt Lake (10010100) ranged from a minimum of 4,196.8 feet above sea level on November 3 and 5-8, 1995, to a maximum of 4,198.1 feet above sea level on June 11 and 18. Salinity of the south arm averaged 12.9 percent (nine observations) and the north arm averaged 26.2 percent (six observations).

Ground Water

Seven wells (fig. 4) were selected to show trends in ground-water levels for water years 1987-96. The wells are in Curlew Valley, Pahvant Valley, Beryl-Enterprise area, East Shore area near Ogden, and the Vernal and Blanding areas. For the 1996 water year, water-level hydrographs (fig. 5) show a large rise in Pahvant Valley, slight rises in Curlew Valley and the east-shore area of Great Salt Lake near Ogden, and slight declines in the Beryl-Enterprise, Vernal, and Blanding areas. The rises are most likely a result of greater-than-normal precipitation and greater-than-normal snowpack during January and February, which increased recharge and the amount of surface water available for irrigation in the northern and central parts of the State. The declines were small and most likely caused by less-than-normal precipitation and increased withdrawals for irrigation in the eastern and southern parts of the State. Statewide, of the 25 wells equipped with continuous recording devices, 5 recorded record-high water levels during the 1996 water year, and 9 recorded record minimum water levels. Of those wells with record-high water levels, four are located in Wasatch County in northern Utah and have a period of record of less than 5 years. Of the nine wells with record-low water levels in water year 1996, five are located in Iron, Washington, and Kane Counties in the southwestern corner of the State, and one has a period of record of 54 years.

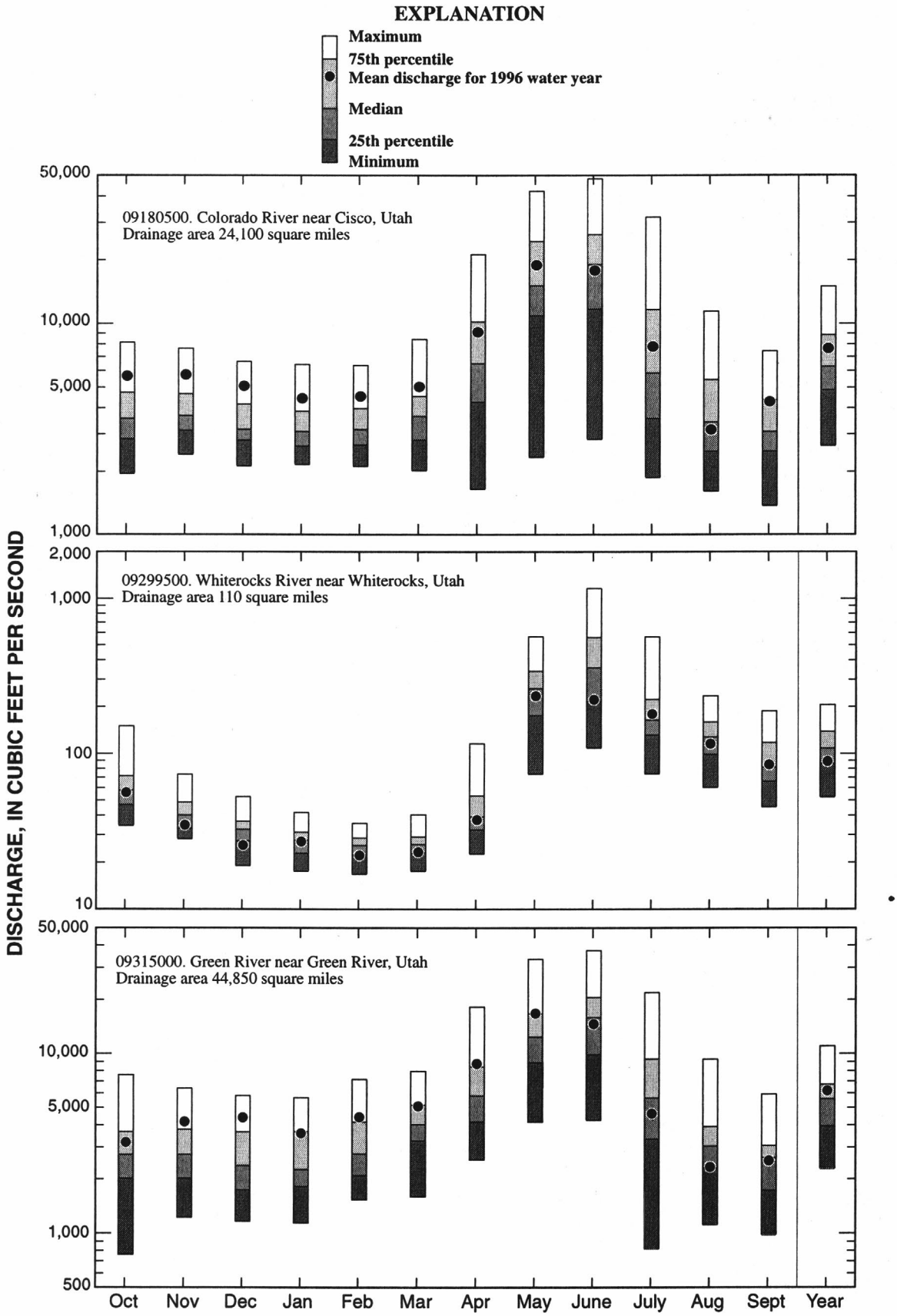

Figure 2. Comparison of monthly and annual mean discharge for water year 1996 with maximum, median, minimum monthly, and annu discharge for water years 1944-95 at seven long-term, representative streamflow-gaging stations in Utah.

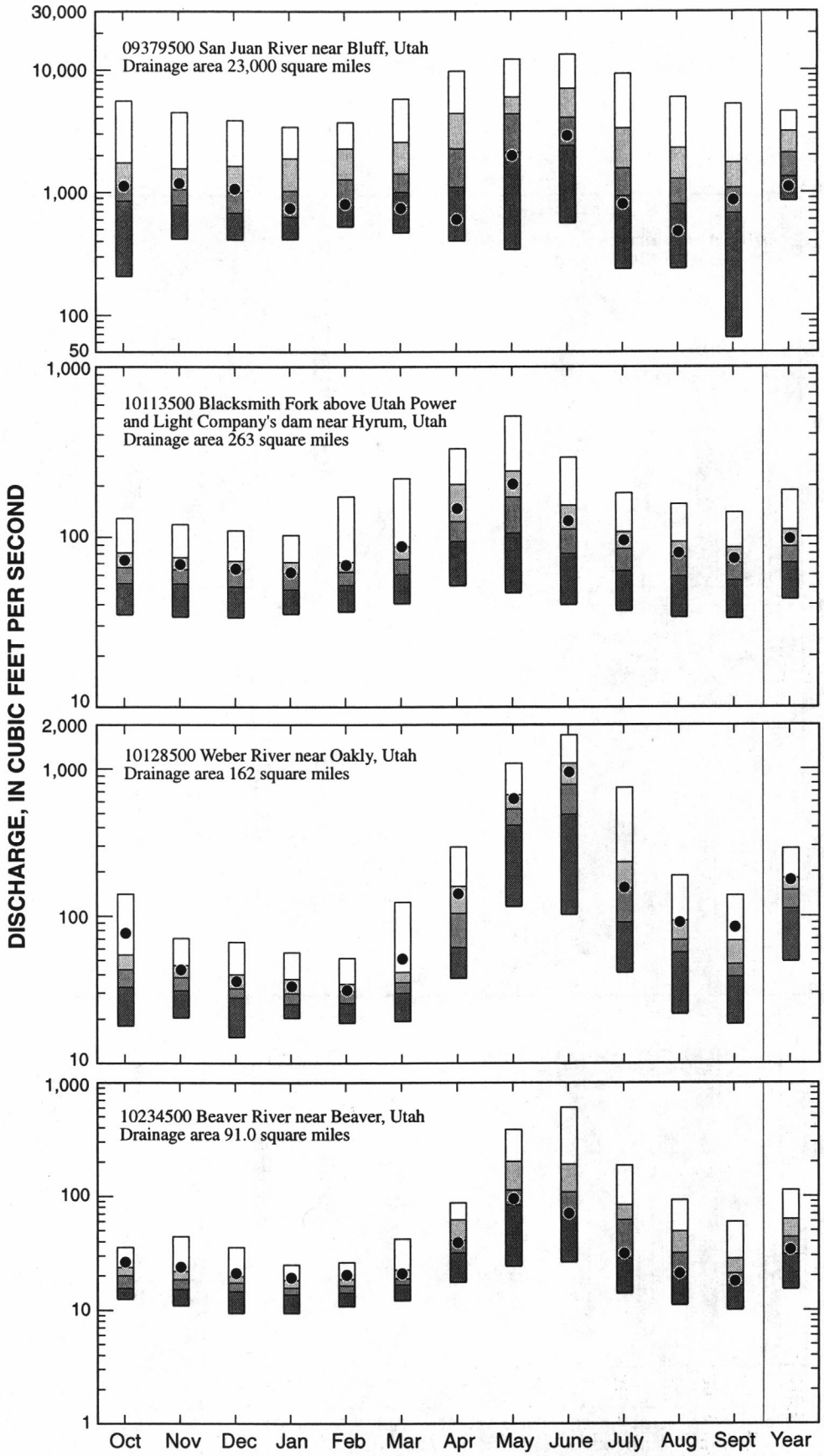

Figure 2. Comparison of monthly and annual mean discharge for water year 1996 with maximum, median, minimum monthly, and annual discharge for water years 1944-95 at seven long-term, representative streamflow-gaging stations in Utah--Continued

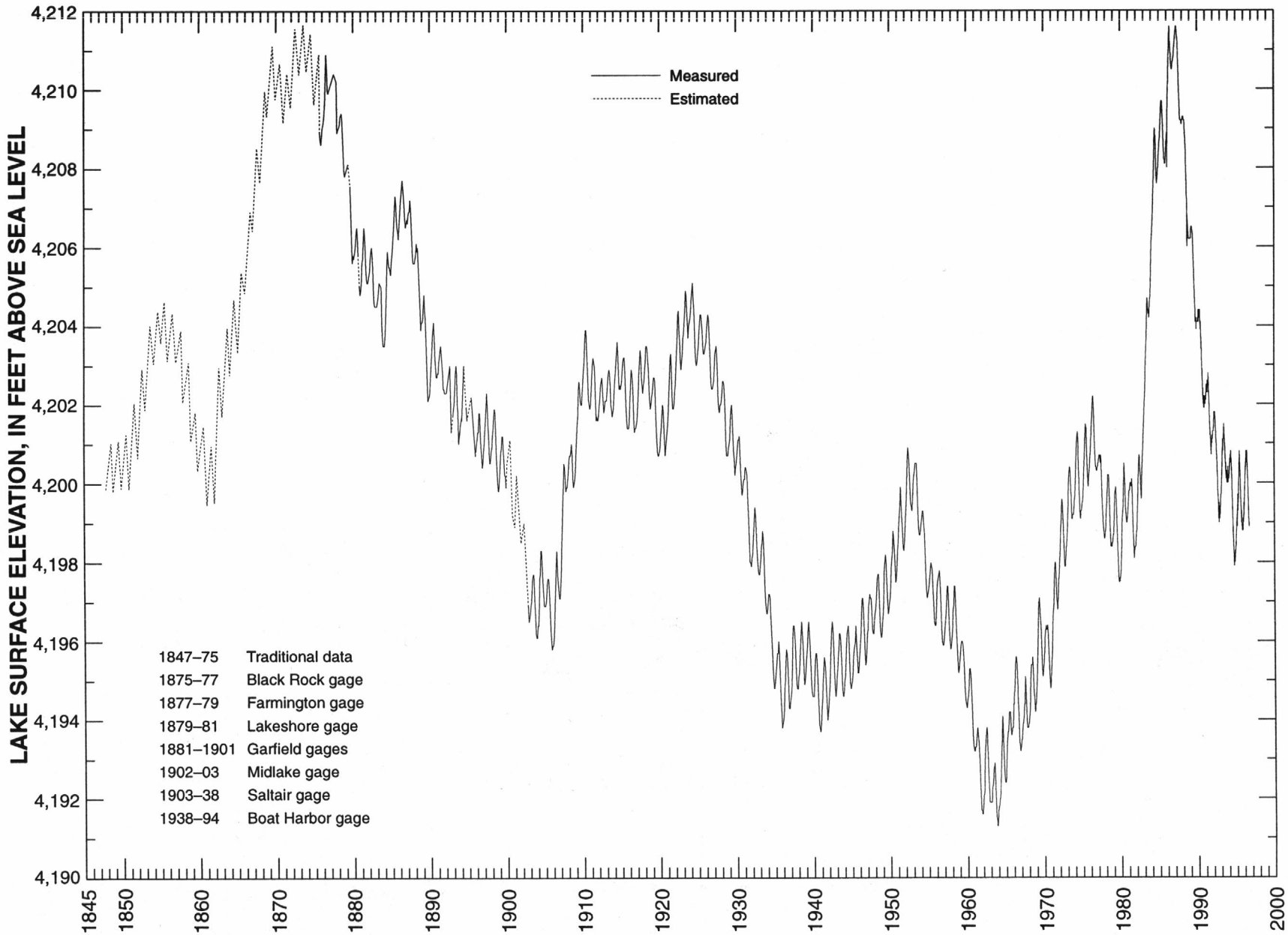

Figure 3. Fluctuations in elevation of Great Salt Lake, 1845-1996.

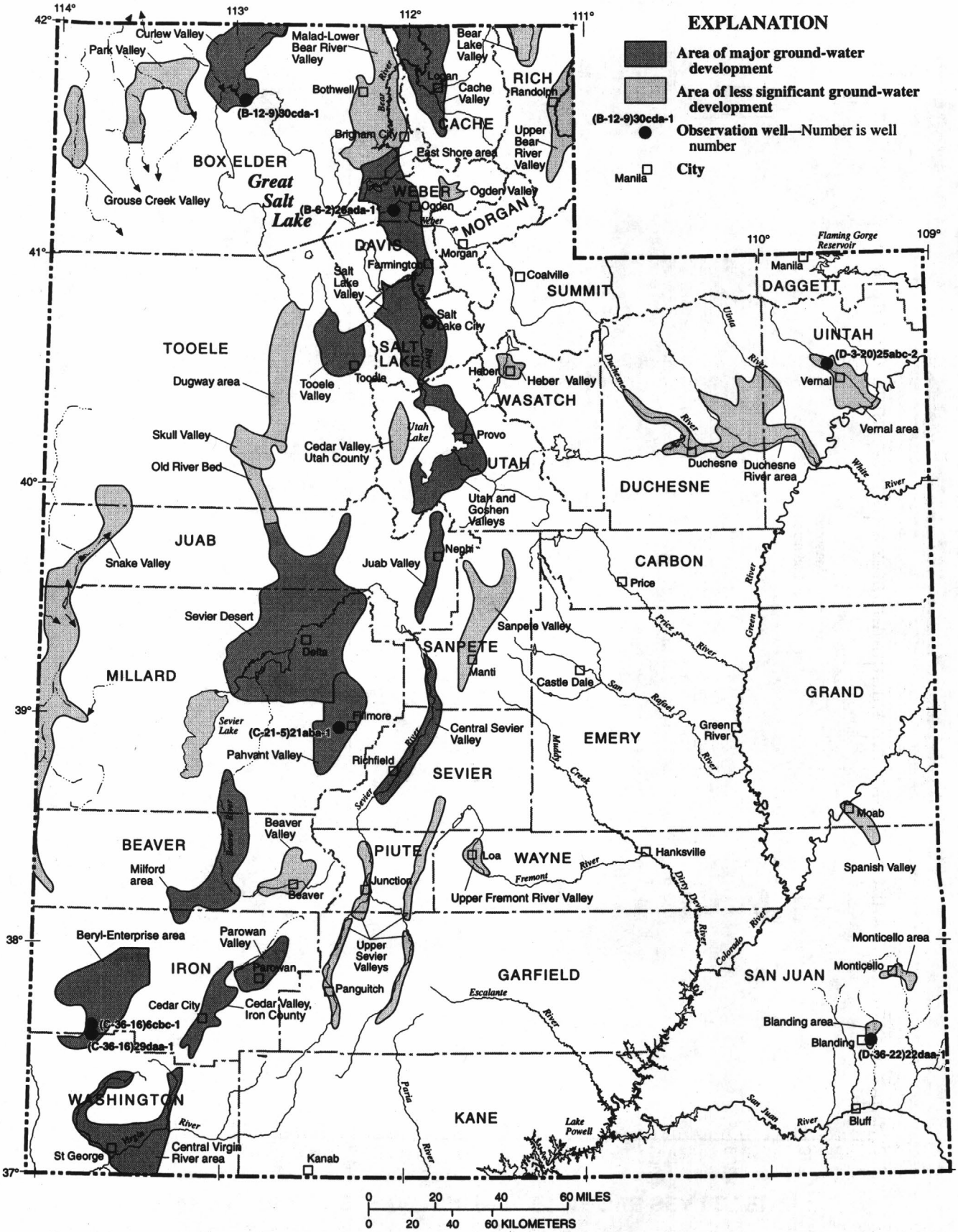

Figure 4. Areas of ground-water development and location of selected observation wells.

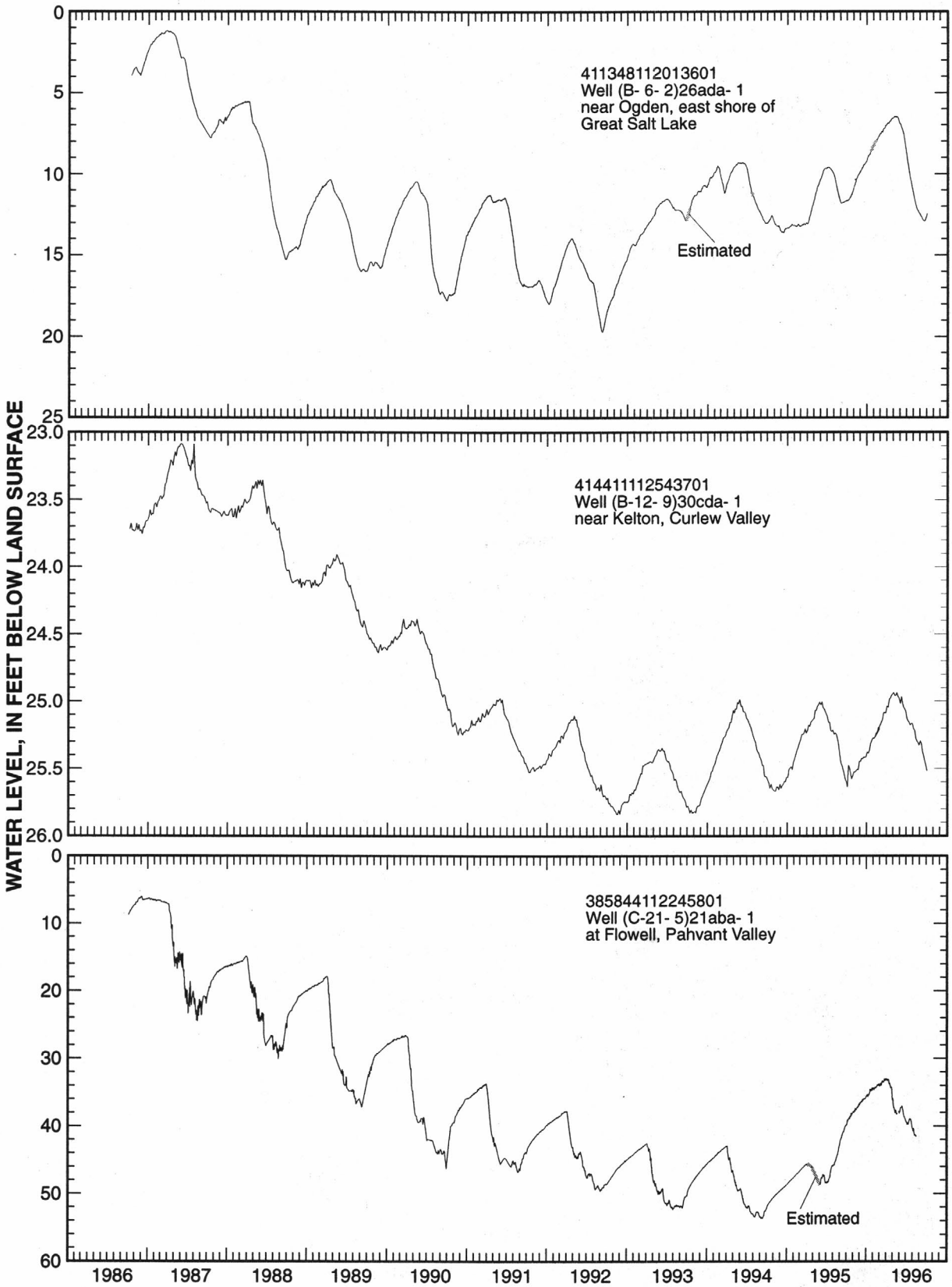

Figure 5. Fluctuations of water levels in selected wells in Utah for 1987-96

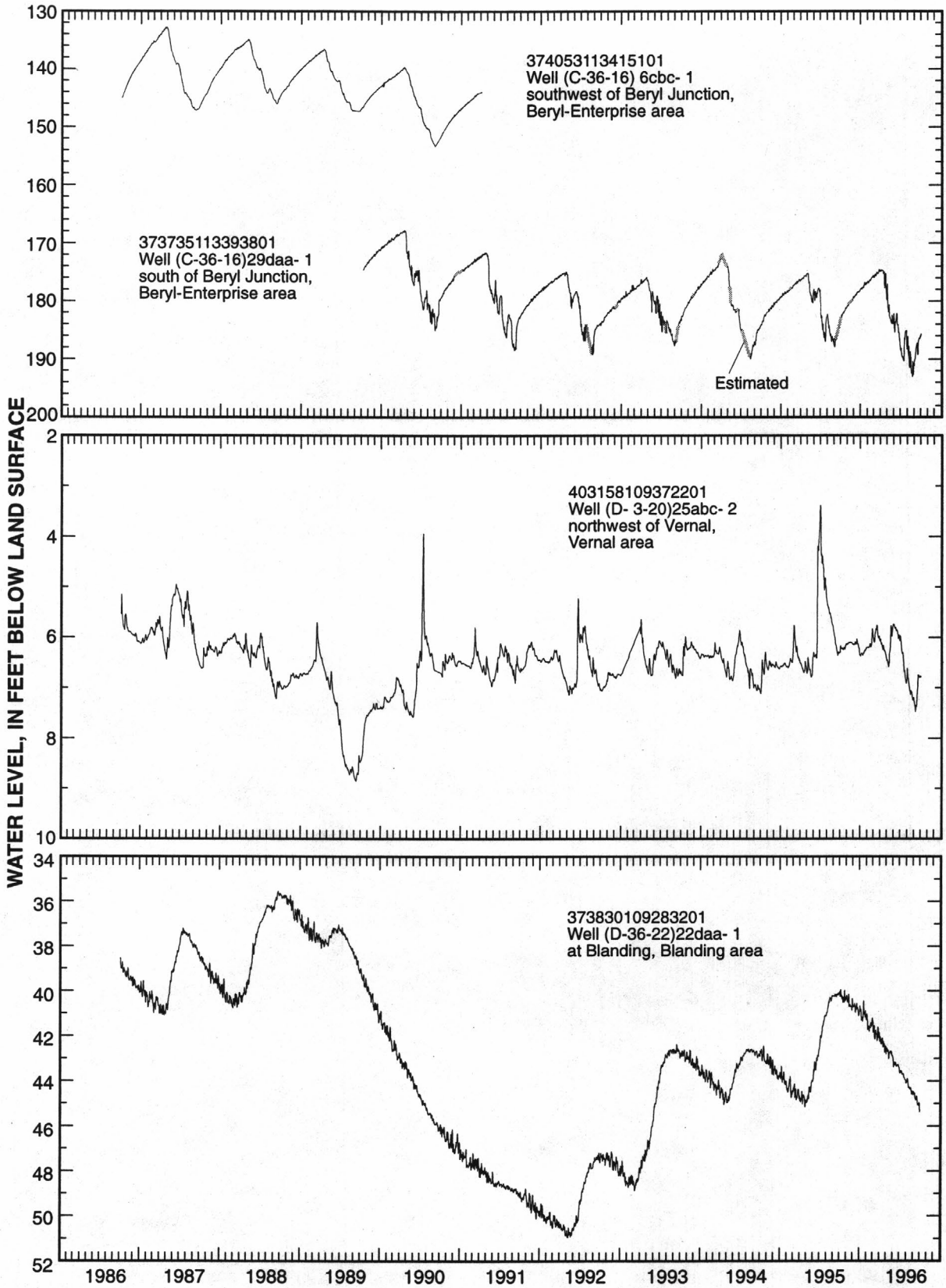

Figure 5. Fluctuations of water levels in selected wells in Utah for 1987-96--Continued

Chemical Quality of Streamflows

Long-term water quality data are collected at four National Stream-Quality Accounting Network (NASQAN) and Benchmark stations in Utah (fig. 6), that was the same as were used for the 1995 water year and four fewer than were used for the 1994 water year. Water-quality data collection at the Hydrologic Benchmark station Red Butte Creek at Ft. Douglas, near Salt Lake City, Utah (10172200) was discontinued at the end of the 1996 water year.

REFERENCES

Butler, Elmer, and Marsell, R.E., 1972, Cloudburst floods in Utah, 1936-69: Utah Division of Water Resources Cooperative Investigations Report 11, 103 p.

National Oceanic and Atmospheric Administration, 1995, Climatological data, Utah: Asheville, N.C., National Climate Center, v. 97, no. 10-12.

National Oceanic and Atmospheric Administration, 1996, Climatological data, Utah: Asheville, N.C., National Climate Center, v. 98, no. 1-9.

*The National Oceanic and Atmospheric Administration defines "normal" as the average value of a meteorological element over a period of time. Since January 1, 1993, the averaging period is calendar years 1961 to 1990.

**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.

GREAT SALT LAKE WATER BALANCE AND CURRENT ELEVATION PATTERNS

by Brian L. Loving

The south part of Great Salt Lake has shown an interesting elevation trend during the spring and summer of 1996. The winter snowpack in the Great Salt Lake drainage was slightly greater on April 1 of 1996 than it was on the same day in 1995. Also, the elevation of the south part of the lake was 0.9 foot higher on April 1 of 1996 than it was in 1995. On the basis of these two facts, the lake level was expected to peak at a higher elevation in 1996 than in 1995. Instead, the 1996 lake-elevation pattern leveled off in early May and remained near the 1995 peak of 4,200.8 feet for nearly 8 weeks.

The surface elevation of Great Salt Lake is constantly fluctuating but has seasonal trends. In the fall, when evaporation diminishes and inflow to the lake exceeds the amount of water lost to evaporation, the lake-surface elevation begins to increase. Lake-surface levels continue to increase during the winter and spring until evaporation exceeds the rate of inflow to the lake during the late spring or early summer.

The water budget for Great Salt Lake can be expressed as:

$$\text{Lake Storage Change} = Is + Ig + Ip - Oe$$

where:
Is = Inflow from Surface Water (streams), 67 percent of total inflow;
Ig = Inflow from Ground Water, 3 percent of total inflow;
Ip = Inflow from Precipitation on the Lake, 30 percent of total inflow;
Oe = Outflow from Surface Evaporation, 100 percent of total outflow;
(From Waddell and Barton, 1980, p. 1)

When inflow is greater than outflow, lake storage (and therefore surface elevation) increases. When outflow is greater than inflow, lake storage and surface elevation decrease. The components of the lake water budget themselves depend on many variables including air temperature, basin snowpack, and surface-water releases and diversions. These variables compound the difficulty in predicting changes and trends in the level of Great Salt Lake. The lake is divided into two parts by a railroad causeway, with the south part of the lake receiving nearly all of the surface-water inflow. Transfer of water storage between the north and south parts occurs through a breach and two culverts in the causeway and through the permeable causeway fill. The net transfer through the causeway is generally from south to north. This net transfer of south-part storage, which is dependent on surface elevation and brine density, was assumed to be about the same during March to July of 1995 and 1996.

Great Salt Lake water-surface elevation and surface-water inflow from March to July 1995, March to July 1996, and over the long-term average are compared in figure 8. Cumulative surface-water inflow for the lake, for the same periods, is shown in figure 9. Note that the 1995, 1996, and average (1964-96) values for both cumulative surface-water inflow and surface elevation are nearly equal in late June. It is significant that with the same surface-water inflow, the surface elevation rose 1.70 feet from March 1 to late June in 1995, and only 1.0 foot from March 1 to late June in 1996 (a volumetric difference of 440,000 acre-feet). Assuming that ground-water inflow is relatively constant from year to year (Waddell and Fields, 1977, p. 22), fluctuations in lake levels are dependent mainly on inflow from surface water and precipitation on the lake, and from evaporative outflow. All three of these factors played a role in the 0.70-foot difference between lake level rises during the spring and summers of 1995 and 1996.

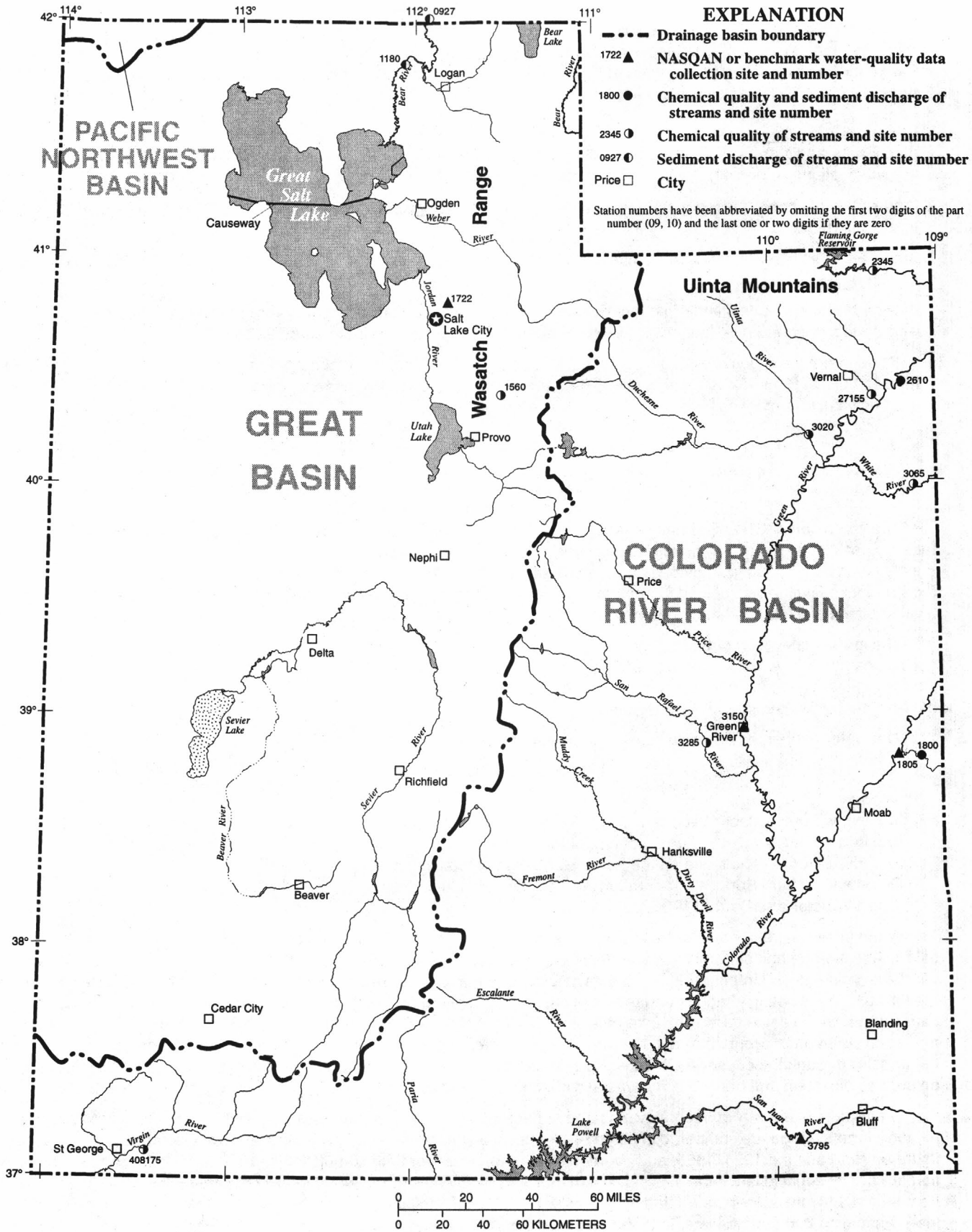

Figure 6. Location of four National Stream-Quality Accounting Network (NASQAN) and hydrologic bench-mark gaging stations, and other gaging stations at which water-quality data were collected in water year 1996.

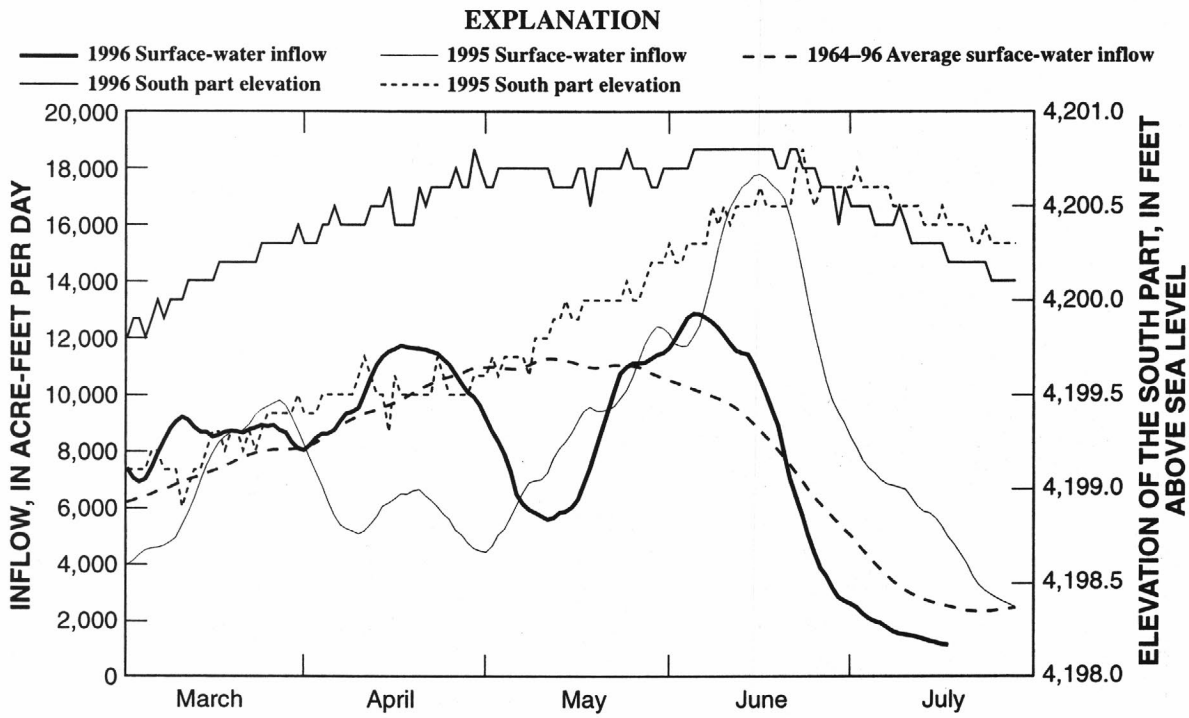

Figure 7. Great Salt Lake elevation.

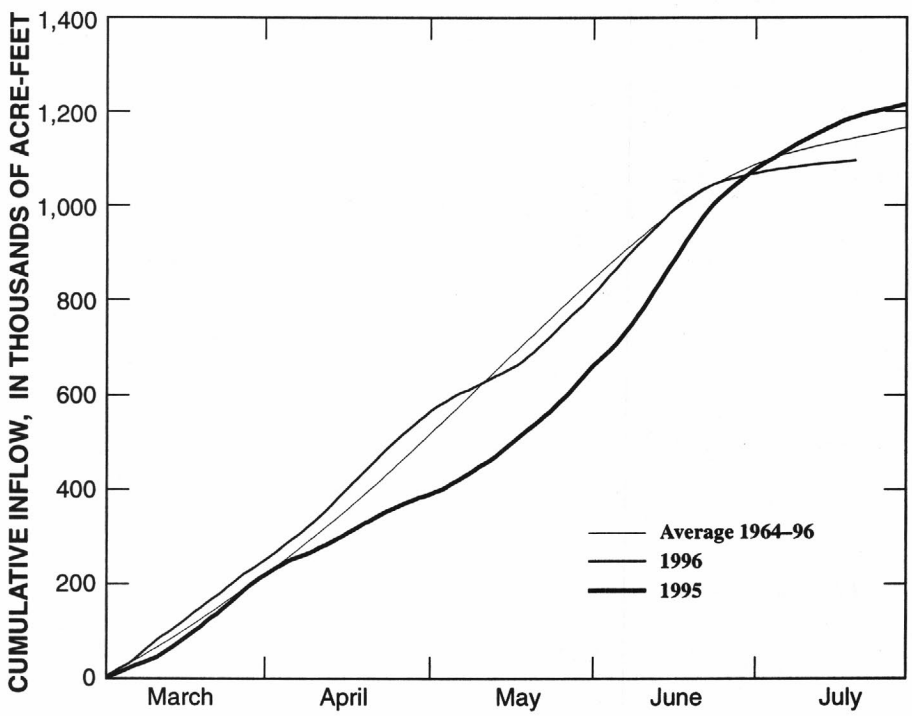

Figure 8. Great Salt Lake Surface-water inflow.

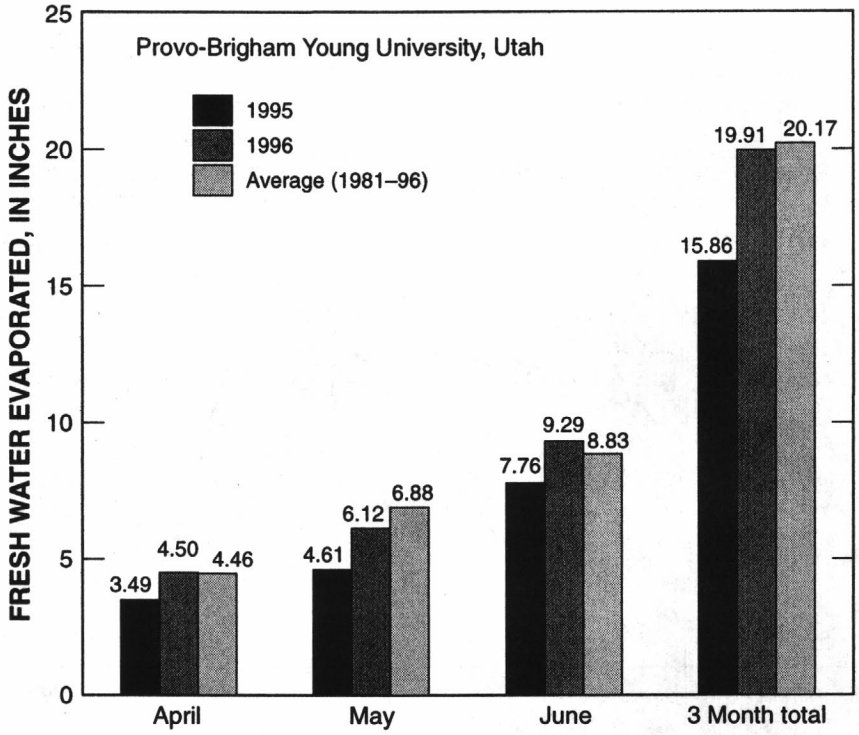

Figure 9. Pan-evaporation, Provo-Brigham Young University, Utah.

Precipitation at Salt Lake City International Airport was 9.91 inches from March to July 1995 (31 percent greater than average). March to July precipitation in 1996 was 6.73 inches (11 percent less than average). From this it can be assumed that there was more precipitation inflow to the lake in 1995 (about 3 inches from March to July).

There also was less evaporative outflow in the spring of 1995 than there was in 1996. Spring-time evaporation in 1995 was nearly 20 percent below what it was in 1996, an average year. This difference is significant and contributes to the greater rise in surface elevation that occurred in 1995.

As discussed above, surface-water inflow varied more in timing than in total amount between 1995 and 1996. Note that the 1995 daily surface-water inflow remains less than average through most of April (fig. 8). Around May 1, it begins increasing from about 4,500 acre-feet per day to nearly 18,000 acre-feet per day on June 13. During this period, the inflow rate greatly exceeded the outflow rate and the surface elevation increased. In 1996, surface elevation increased until the surface-water inflow dropped well below average in late April and May. At this time, the surface elevation fell slightly before the main snowmelt runoff period occurred in late May and June. The snowmelt produced enough surface-water inflow to balance evaporation, and the surface maintained an elevation around 4,200.8 feet for nearly 8 weeks.

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More Information on Great Salt Lake:

URL for this document <http://wwwdutslc.wr.usgs.gov/usgsabout/news/GSLBalance.html>. U.S. Geological Survey - Utah Home Page <http://wwwdutslc.wr.usgs.gov/index.html. >If you have any questions or comments about this document contact <webmaster@maildutslc.wr.usgs.gov>

REFERENCES

Waddell, K.M., and Barton, J.D., 1980, Estimated inflow and evaporation for Great Salt Lake, Utah, 1931-76, with revised model for evaluating the effects of dikes on the water and salt balance of the lake: Utah Department of Natural Resources, Division of Water Resources Cooperative Investigations Report Number 20, 57 p.

Waddell, K.M., and Fields, F.K., 1977, Model for evaluating the effects of dikes on the water and salt balance of Great Salt Lake, Utah: Utah Geological Survey Water-Resources Bulletin 21, 54 p.

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) 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 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 me of sample.

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

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, form which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless 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 ($CaCo_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination of 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.

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

Particle-size is the diameter, in millimeters (mm) of 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 dispersion is not used for native-water analysis.

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

Picocurie (PC, pace) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (I). A curie is the amount of radioactivity that yields $3.7 \times 10_{10}$ radioactive disincorporation per second. A pedicure yields 2.22 DPN (disintregrations per minute).

Sea level in this report refers to the National Geodetic Vertical Datum of 1929 (NGVD 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 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 of almost all soils to those which are generally 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 a 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 µm 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, 1995, is called the "1995 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 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 indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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 number, 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 consecutive. The complete 8-digit number for each station such as 090041000, which appears just to the left of the station name, includes a 2-digit part number "03" plus the 6-digit downstream order number "0410100."

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 11.

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 12. 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.

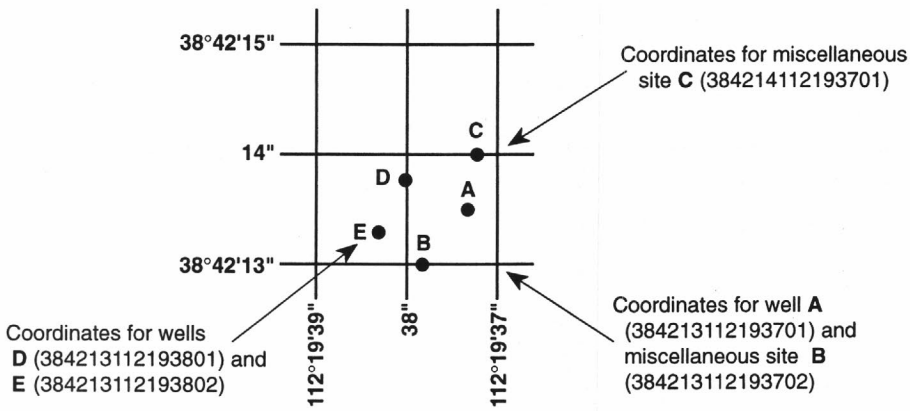

Figure 10. System for numbering wells and miscellaneous sites (Latitude and longitude).

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 Benchmark Network is a network of 50 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 analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives; (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the

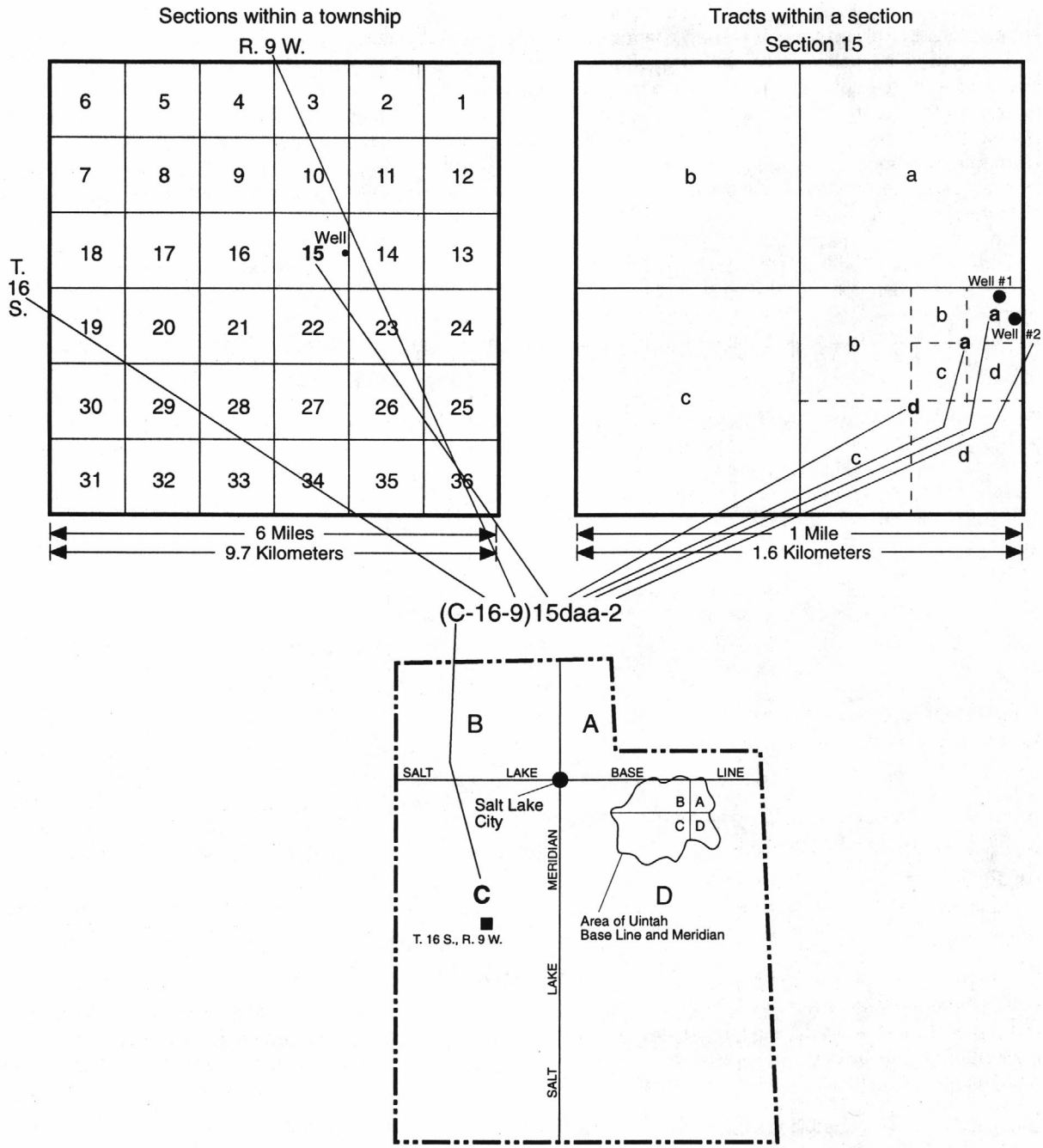

Figure 11. System for numbering wells and miscellaneous sites (township and range).

mechanism to evaluate the effectiveness of the significant reduction in SO2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO2 and NOx scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

http://nadp.nrel.colostate.edu/NADP

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies.

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations (fig. 13) 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 continuos 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, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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 sued applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by a the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

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 tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences.

The records published for each 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 heading, 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 vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. 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 discharge was revised; "(m) that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to sea level (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 Dis-

charge.") 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 report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District Office (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, thee 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.

ANNUAL MEAN.--The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

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

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

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

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

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

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

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript for 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 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 has been exceeded 10 percent of the time for the designated period.

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

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

Data collected at partial-record stations follow the information for continuos-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 measurements 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 continuos-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 that "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. 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 0l00 hours and ending at 2400 hours for the day of record.

SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remarks Codes

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

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

Dissolved Trace-Element Concentrations

*NOTE.-- Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

*NOTE.-- Sample handling procedures at all National Trends Network stations were changed substantially on January 11, 1994, in order to reduce contamination from the sample shipping container. The data for samples before and after that date are different and not directly comparable. A tabular summary of the differences based on a special intercomparison study, is available from the NADP/NTN Coordination Office, Colorado State University, Fort Collins, CO 80523 (Telephone: 303-491-5643).

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 one 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 0.9927, 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 seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the streams. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

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.

Laboratory analysis

Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 54, chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

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. Sulfate 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. 14). 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) at 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs (see figures 11 and 12).

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.

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water amy 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 the 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.

* 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 than 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 obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

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 51/4 inch floppy disk. 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).

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, Branch of Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations.

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *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. MacCary: 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 measurement at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel in streams by dye tracing,* by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the 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,* Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS- -TWRI Book 3, Chapter A12. 1986. 34 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. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

3-A19. *Levels at streamflow gaging stations,* by E.J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 31 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers,* by F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A20. 1993. 38 pages.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 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 programed 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-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems,* by R. L. Cooley: USGS--TWRI Book 3, Chapter B4. 1993. 8 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. 190 pages.

3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-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, editors: 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.

6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.

6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details,* by L. J. Torak: USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.

6-A6. A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction, by Eric D. Swain and Eliezer J. Wexler. 1995. 125 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels,* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells,* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

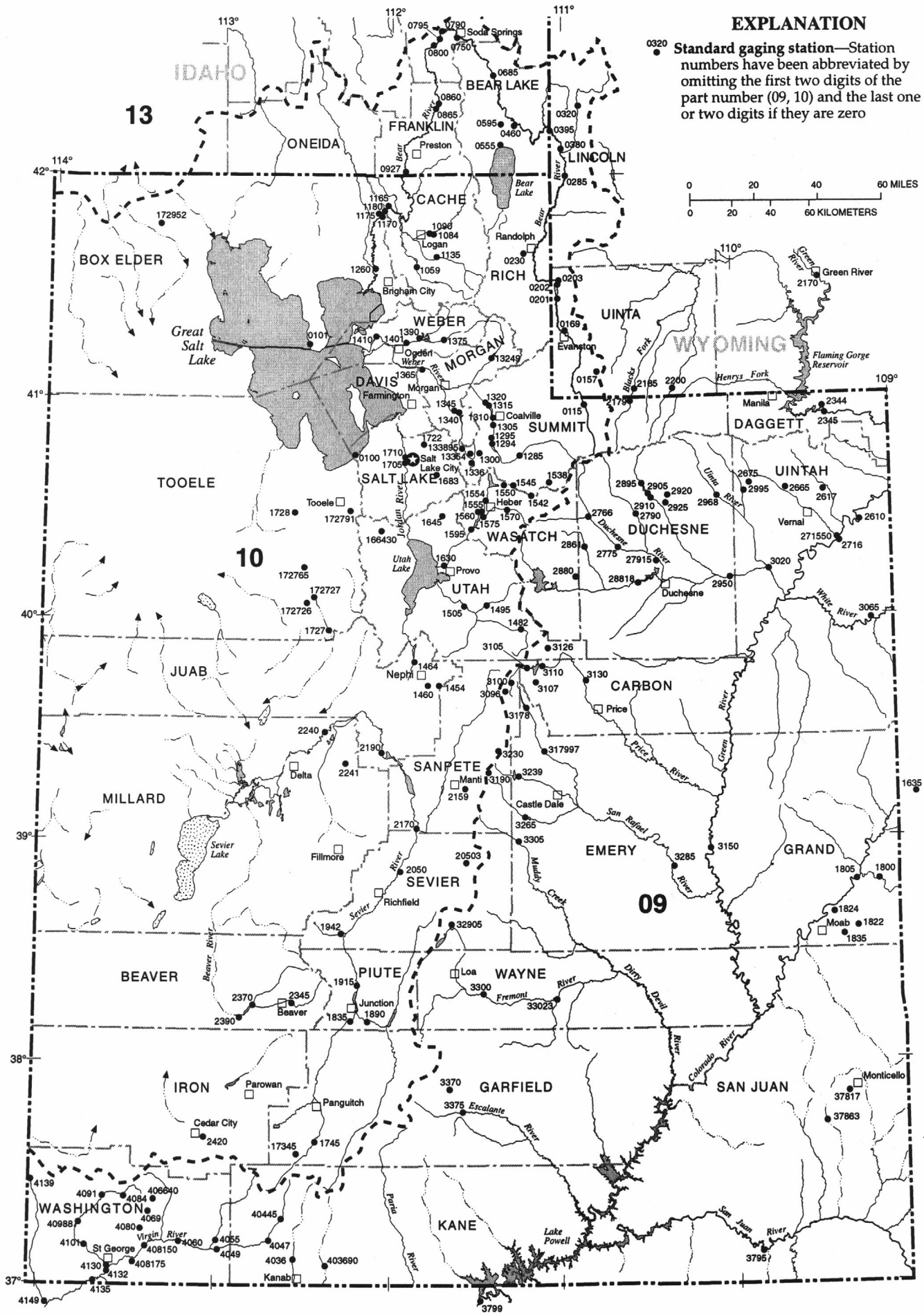

Figure 12. Location of U.S.G.S. gaging stations in Utah.

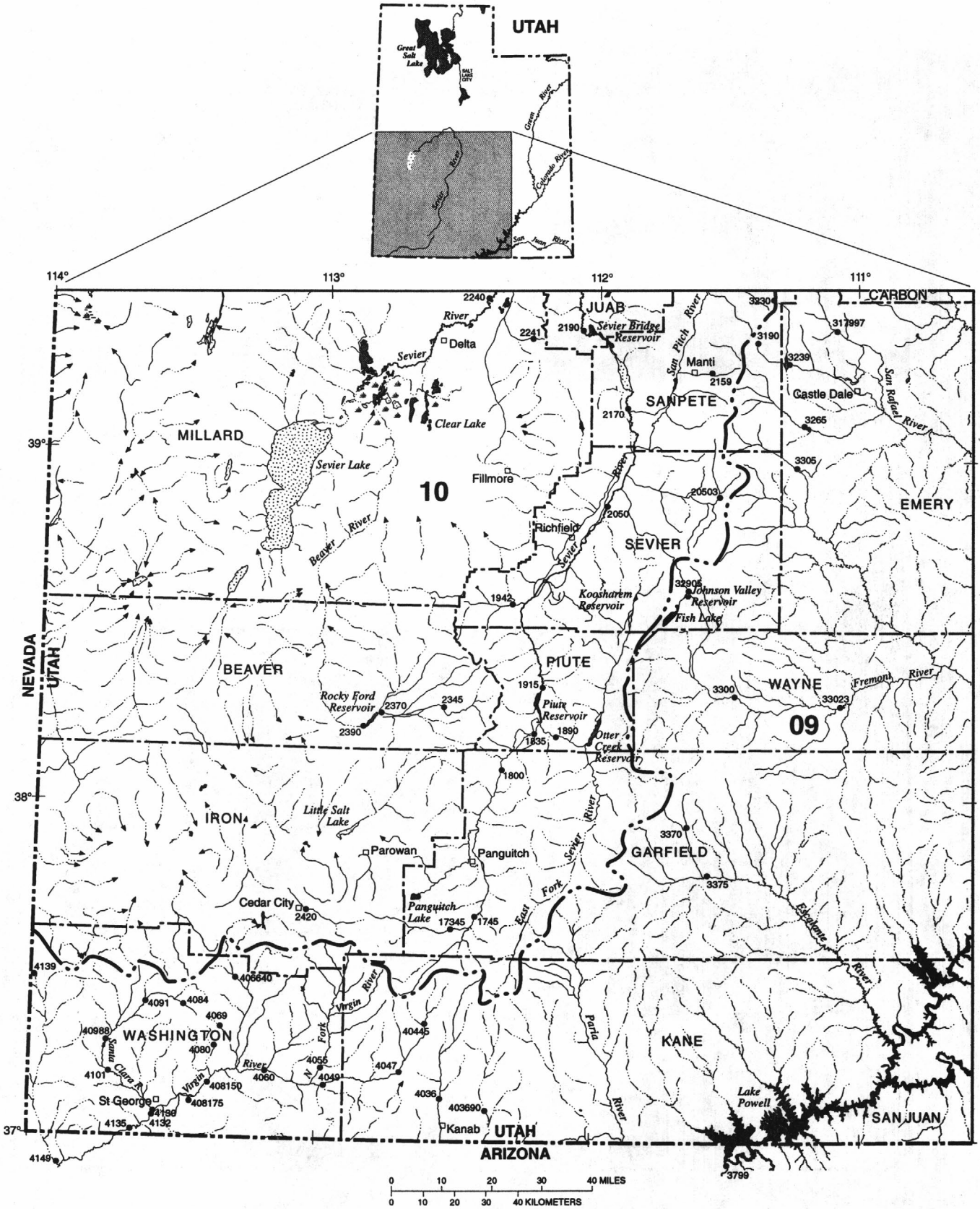

Figure 12. Location of U.S.G.S. gaging stations in Utah--Continued.

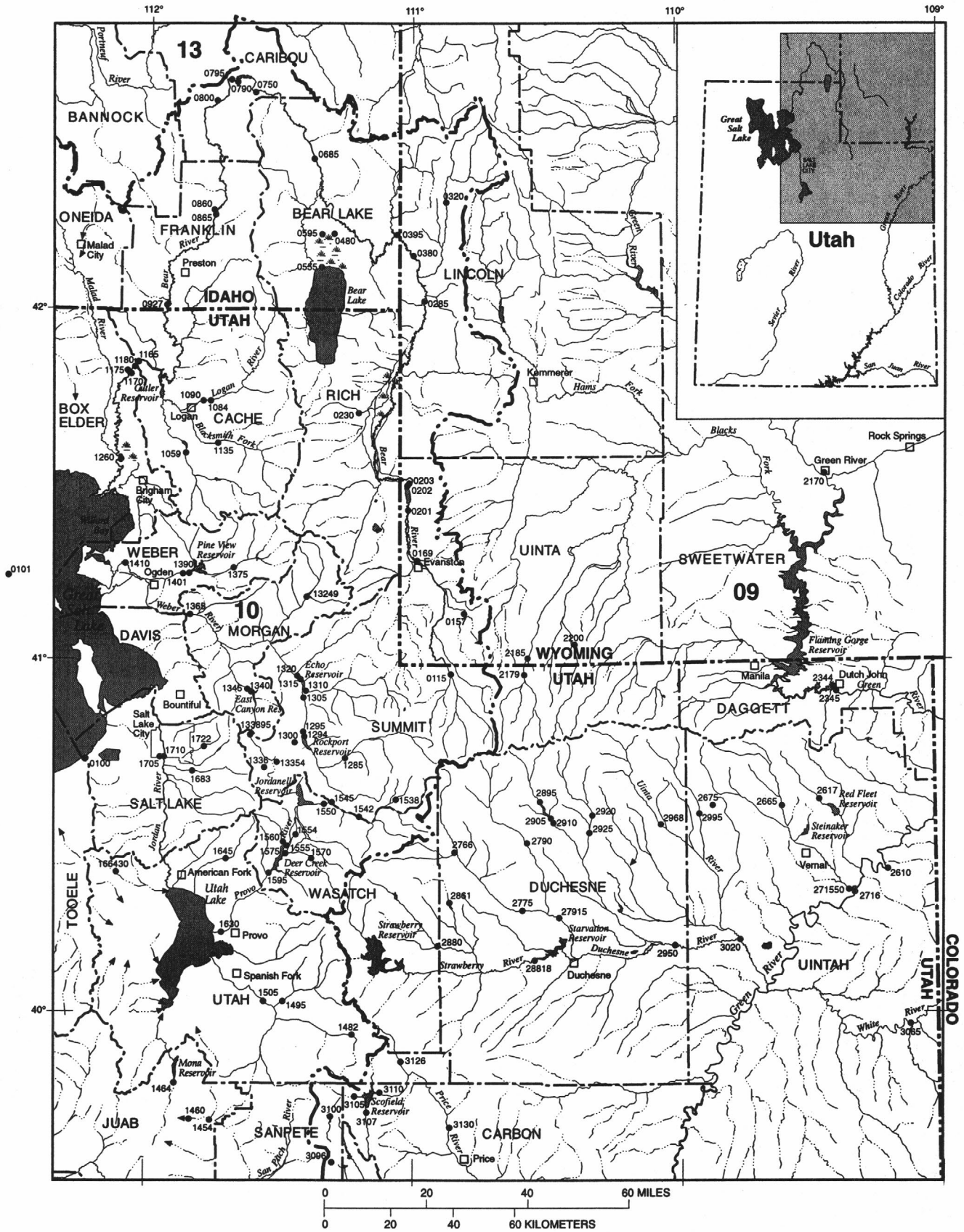

Figure 12. Location of U.S.G.S. gaging stations in Utah--Continued.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in SE¼NW¼ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.5 mi downstream from McDonald Creek, 1.7 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi^2.

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 sea level, from topographic map. May 1951 to October 1979, water-stage recorder at site 5.7 mi upstream at different datum. October 1979 to March 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6820	5730	5620	5300	4710	4320	6600	10800	12200	15600	4020	3400
2	6290	6060	5670	5330	4400	4280	6880	11100	12200	14400	3880	3380
3	6040	6130	5650	5260	4050	4380	7460	11200	12600	13000	3740	3350
4	5890	5960	5490	5280	3760	4390	8100	11400	13800	12200	3610	3360
5	5950	5910	5420	5400	3780	4450	8140	11600	14900	11300	3620	3300
6	5950	5920	5580	5470	4090	4670	7730	13100	16000	11000	3530	3530
7	5980	6540	5560	5280	4390	4600	7850	14600	17100	10500	3330	3960
8	5910	6200	5610	5160	4360	4190	8240	15900	17200	10400	3130	4320
9	5860	6110	5590	e5000	4400	4130	8740	16800	17200	10200	3090	4110
10	5780	6380	5480	e4900	4400	4090	10000	17900	17000	9490	3050	3880
11	5690	6380	5450	4890	4410	4470	11300	17500	16600	8660	3080	3930
12	5620	6140	5450	4650	4270	4550	12100	17500	16300	8080	3060	4140
13	5500	5950	5570	4400	4170	4740	11400	19100	16500	7540	3050	4310
14	5580	6000	5780	4100	4110	4890	10900	21400	16500	7200	2880	4870
15	5680	5950	5580	4030	4150	4900	9860	22700	17000	6990	2680	4870
16	5640	5970	5440	4030	4260	5300	8580	23500	18700	7070	2580	4830
17	5540	5930	5250	4200	4300	5650	8360	25600	18300	6890	2720	4880
18	5460	5900	5230	4490	4310	5810	8650	28500	18400	6650	2890	5130
19	5440	5900	5070	4170	4430	5740	9020	28200	20200	6690	2990	5250
20	5380	5890	4920	4030	4500	5570	8890	28500	20400	6490	3200	5380
21	5340	5870	4930	4030	5360	5680	8310	27800	20300	6090	3130	5030
22	5350	5670	4930	4000	7540	5730	7950	24300	22500	5790	3130	4810
23	5420	5810	4850	e3900	6770	6030	7570	22200	23900	5430	3010	4740
24	5580	5790	4760	e3800	5460	6580	7420	20600	22700	4980	3000	4690
25	5500	5760	4640	e3900	4850	6540	8280	18800	21000	4570	3120	4610
26	5350	5740	4620	e4000	4690	6130	10400	17500	19100	4320	3400	4600
27	5410	5780	4690	e3900	4570	6140	11600	17500	18200	4220	3570	4680
28	5480	5750	4730	e4050	4340	6130	11900	16000	18000	4040	3450	4730
29	5390	5600	4760	e4000	4370	6170	12100	14700	17600	4010	3340	4680
30	5770	5620	4940	4110	---	6350	11100	13300	16300	4210	3350	4500
31	5780	---	5140	4280	---	6540	---	12600	---	4280	3360	---
TOTAL	176370	178340	162400	139340	133200	163140	275430	572200	528700	242290	99990	131250
MEAN	5689	5945	5239	4495	4593	5263	9181	18460	17620	7816	3225	4375
MAX	6820	6540	5780	5470	7540	6580	12100	28500	23900	15600	4020	5380
MIN	5340	5600	4620	3800	3760	4090	6600	10800	12200	4010	2580	3300
AC-FT	349800	353700	322100	276400	264200	323600	546300	1135000	1049000	480600	198300	260300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

MEAN	3906	3988	3591	3358	3444	3857	5914	14240	17530	7999	3843	3583
MAX	7672	6925	5993	6129	5996	7486	15600	37960	43830	29650	10190	6767
(WY)	1987	1987	1986	1985	1985	1986	1985	1984	1957	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951 - 1996	
ANNUAL TOTAL	3767100		2802650			
ANNUAL MEAN	10320		7658		6305	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	48100	Jun 18	[a]28500	May 18	68300	May 27 1984
LOWEST DAILY MEAN	2240	Jan 24	2580	Aug 16	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2450	Jan 19	2830	Aug 13	1110	Sep 2 1956
INSTANTANEOUS PEAK FLOW			29100	May 20	[b]69800	May 27 1984
INSTANTANEOUS PEAK STAGE			11.33	May 20	[c]16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	7472000		5559000		4568000	
10 PERCENT EXCEEDS	32300		17000		14100	
50 PERCENT EXCEEDS	5640		5580		3940	
90 PERCENT EXCEEDS	2770		3770		2240	

e-Estimated.

a-Also occurred May 20.

b-At site 0.2 mi downstream, at present datum.

c-From high-water mark.

09180000 DOLORES RIVER NEAR CISCO, UT

LOCATION.--Lat 38°47'50", long 109°11'40", in $SW^1/_4SE^1/_4$ 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 sea level, 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)
May 17	2330	*1,260	*8.56				

Minimum daily discharge, 56 $ft^3/_s$ Aug. 24, 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	489	222	188	156	210	177	206	668	344	402	101	83
2	374	218	187	165	208	177	227	754	344	349	100	79
3	325	222	192	163	187	172	326	781	380	316	88	76
4	300	215	190	e165	154	173	388	853	458	291	85	74
5	291	196	192	155	178	168	382	875	531	271	88	72
6	305	189	196	160	180	200	352	931	555	279	80	201
7	264	180	198	e162	206	183	371	946	578	324	79	153
8	260	180	203	e160	201	174	453	946	583	247	78	177
9	246	197	209	e158	197	165	587	922	576	230	74	126
10	238	201	205	e160	201	168	821	936	519	217	69	106
11	238	201	197	152	202	156	868	849	481	333	65	93
12	238	204	190	e146	202	151	784	856	444	244	62	184
13	231	192	193	e142	197	145	653	957	425	230	61	99
14	231	206	206	e148	196	152	591	1020	396	198	62	176
15	228	211	204	e154	192	161	475	982	468	177	63	306
16	225	206	212	165	187	157	450	999	621	172	62	214
17	226	191	197	182	187	153	589	1130	524	185	58	236
18	222	172	192	189	186	173	550	1150	452	170	57	229
19	220	166	201	177	189	193	449	1130	421	163	58	303
20	216	157	179	169	194	179	504	1080	395	187	58	308
21	214	159	177	152	233	176	461	1090	394	175	59	236
22	207	160	185	163	243	176	373	963	437	149	69	196
23	212	160	183	147	258	190	335	886	534	132	59	169
24	220	166	159	143	248	229	333	798	475	121	56	162
25	214	191	132	e160	226	241	451	683	366	111	56	154
26	205	184	111	e150	221	212	672	640	312	104	62	149
27	203	186	123	e140	214	194	800	548	318	101	69	142
28	201	192	142	e142	200	188	856	459	357	95	76	142
29	203	183	133	144	179	183	835	410	436	89	103	139
30	210	177	145	193	---	188	659	361	479	94	122	137
31	213	---	154	209	---	209	---	336	---	95	93	---
TOTAL	7669	5684	5575	4971	5876	5563	15801	25939	13603	6251	2272	4921
MEAN	247	189	180	160	203	179	527	837	453	202	73.3	164
MAX	489	222	212	209	258	241	868	1150	621	402	122	308
MIN	201	157	111	140	154	145	206	336	312	89	56	72
AC-FT	15210	11270	11060	9860	11660	11030	31340	51450	26980	12400	4510	9760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	248	277	221	185	254	468	1804	2825	1655	559	265	203
MAX	617	894	606	370	518	896	5338	8803	3895	1827	665	325
(WY)	1987	1987	1987	1987	1987	1987	1993	1993	1995	1995	1987	1988
MIN	133	145	115	109	168	142	177	397	411	195	73.3	80.6
(WY)	1990	1991	1990	1990	1995	1990	1990	1990	1989	1994	1996	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	436978		104125			
ANNUAL MEAN	1197		284		748	
HIGHEST ANNUAL MEAN					1768	1993
LOWEST ANNUAL MEAN					200	1990
HIGHEST DAILY MEAN	5820	May 23	1150	May 18	12900	May 18 1993
LOWEST DAILY MEAN	111	Dec 26	56	Aug 24	34	Aug 12 1990
ANNUAL SEVEN-DAY MINIMUM	134	Dec 25	59	Aug 15	39	Aug 8 1990
ANNUAL RUNOFF (AC-FT)	866700		206500		542000	
10 PERCENT EXCEEDS	3880		600		1930	
50 PERCENT EXCEEDS	369		197		250	
90 PERCENT EXCEEDS	163		95		120	

e Estimated

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

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, July 24, 1994; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 5,240 microsiemens Feb. 1; minimum observed, 570 microsiemens May 18.

WATER TEMPERATURES: Maximum observed, 25.5°C July 11, 14, 16, 17, Aug. 23; minimum observed, 0.0°C several days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 26...	1300	216	2420	8.4	18.0	8.5	9.7	650	290	75

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT 26...	26	290	68	7	7.2	210	540	0.30	6.1	1380

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 26...	1240	1.88	805	0.050	<0.010	0.050	0.050	<0.015	<0.010

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)
OCT 26...	1300	100

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1530	2230	2720	---	5240	---	2910	820	---	870	---	---
2	1220	2190	2730	3810	3010	---	2830	780	1320	---	---	1810
3	1220	2200	2730	3760	2630	---	---	---	1390	890	---	1430
4	1360	2250	2610	---	2760	3070	2210	770	1320	960	---	1350
5	---	2240	2800	---	2700	2920	1550	---	---	1030	1640	1410
6	---	2120	2880	---	2580	---	1640	760	930	1110	---	1580
7	1800	2190	2690	---	---	3340	1600	720	870	---	---	---
8	1720	---	2680	---	3610	---	1510	680	860	1090	1850	2100
9	---	2210	2850	---	2650	---	---	650	---	1610	1920	1860
10	---	---	2780	---	2600	---	1100	650	---	1220	1800	1670
11	2580	---	2780	---	2520	3230	---	620	820	1300	1850	---
12	---	2550	---	---	2470	3040	---	670	880	1060	1880	1200
13	3000	2600	2770	---	2830	---	820	620	910	1070	---	---
14	---	2590	2900	---	---	---	---	600	940	1220	1880	1020
15	2400	2370	2990	---	---	---	---	610	950	1190	1890	1640
16	---	2600	3180	---	2890	---	1080	---	860	---	1920	1420
17	---	2490	2950	---	2840	---	---	580	---	1340	---	950
18	2330	2370	---	---	2920	---	940	570	1390	1340	2020	1160
19	2390	2250	---	---	2800	3510	1000	---	940	---	2060	950
20	2370	2370	2990	2990	2900	3000	---	580	920	1540	2120	1210
21	---	2640	3520	3460	---	2960	---	590	920	1530	---	1030
22	---	---	3260	---	2600	2780	1190	580	---	1400	2060	1530
23	2450	---	3060	2780	2640	---	1330	660	980	1410	2140	1310
24	2430	3070	---	---	---	---	1340	---	770	---	1980	1120
25	---	---	---	3070	2550	---	---	---	820	---	2430	1240
26	2460	3050	4460	---	2360	2940	1380	810	830	1510	4170	1530
27	2260	3130	---	---	2540	2530	950	940	920	---	---	1540
28	---	---	---	---	---	---	820	1040	1390	---	2120	1540
29	2410	2660	---	---	2450	---	820	---	1100	---	2170	1570
30	2420	---	---	---	---	---	850	1220	1060	---	---	1760
31	2440	---	---	---	---	2540	---	1280	---	---	---	---
MEAN	2150	2470	2970	3310	2830	2990	1390	742	1000	1230	2100	1420

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.5	11.5	2.5	---	2.5	---	10.5	15.0	---	25.0	---	---
2	13.0	8.0	4.0	.0	2.0	---	11.5	10.5	20.0	---	---	21.0
3	14.5	5.0	3.0	.5	.0	---	---	---	20.5	25.0	---	21.0
4	13.0	5.5	3.0	---	1.5	8.0	14.0	15.5	20.0	25.0	---	25.0
5	---	4.5	6.0	---	3.5	7.0	14.0	---	---	25.0	25.0	21.0
6	---	6.0	5.5	---	4.0	---	13.0	15.5	20.5	25.0	---	19.0
7	10.0	6.5	5.0	---	---	8.0	11.5	15.5	20.5	---	---	---
8	10.5	---	4.0	---	5.5	---	13.0	15.0	20.5	20.5	25.0	18.0
9	---	8.5	3.0	---	6.0	---	---	15.5	---	20.5	20.5	19.0
10	---	---	3.5	---	4.0	---	15.0	15.0	---	25.0	25.0	19.0
11	11.0	---	3.0	---	5.0	12.0	---	15.5	20.5	25.5	25.0	---
12	---	5.0	---	---	4.0	11.0	---	20.0	20.0	20.5	25.0	19.0
13	12.5	5.0	7.0	---	3.0	---	10.0	16.0	20.0	20.5	---	---
14	---	8.5	3.0	---	---	---	---	16.0	20.0	25.5	25.0	17.0
15	10.5	6.0	3.0	---	---	---	---	15.5	20.5	25.0	20.5	17.0
16	---	6.0	3.0	---	7.0	---	10.5	---	20.5	---	20.5	12.0
17	---	6.0	4.0	---	8.0	---	---	16.0	---	25.5	---	15.0
18	12.5	5.5	---	---	8.5	---	10.5	15.5	20.0	25.5	21.0	14.0
19	9.5	5.5	---	---	6.5	7.0	10.5	---	20.5	---	25.0	12.0
20	8.5	5.5	.5	.0	8.0	12.5	---	20.0	20.0	25.0	25.0	13.0
21	---	5.0	.5	1.0	---	11.5	---	16.0	20.5	25.0	---	13.0
22	---	---	.0	---	7.5	11.5	11.0	15.0	---	25.0	25.0	15.0
23	7.0	---	.0	.0	5.0	---	15.0	15.0	21.0	20.5	25.5	16.0
24	9.5	6.0	---	---	---	---	10.5	---	20.5	---	25.0	17.0
25	---	---	---	1.0	5.0	---	---	---	20.0	---	20.5	17.0
26	7.5	4.0	.0	---	6.5	7.5	15.0	10.5	20.5	25.0	20.0	12.0
27	8.0	3.0	---	---	3.0	12.0	15.0	11.0	20.0	---	---	13.0
28	---	---	---	---	---	---	10.5	15.5	20.5	---	20.5	12.0
29	9.0	1.5	---	---	4.5	---	10.0	---	20.0	---	20.5	13.0
30	9.0	---	---	---	---	---	11.0	15.5	20.0	---	---	14.0
31	10.5	---	---	---	---	14.0	---	20.0	---	---	---	---
MEAN	10.5	5.8	3.0	.4	4.8	10.2	12.1	15.4	20.3	24.0	23.1	16.3

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 mi^2, 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 sea level, 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 poor. 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 ft^3/s June 19, 1917, gage height, 19.7 ft; minimum recorded, 558 ft^3/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 ft^3/s from flood record at Fruita, Colorado.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 26,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 20	1528	*29,400	*11.05	No other peak greater than base discharge.			

Minimum discharge, 2,520 ft^3/s Aug. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7430	5470	5420	5000	e4500	4240	6260	11000	12300	16200	3940	3300
2	6580	5710	5490	5070	e4400	4180	6440	11200	12200	15100	3720	3290
3	6190	5920	5490	5020	4140	4230	7030	11500	12400	13500	3640	3270
4	5930	5780	5410	5080	3830	4280	7710	11600	13500	12500	3500	3240
5	5910	5680	5280	5070	3720	4300	8000	11600	15000	11600	3450	3230
6	5940	5650	5360	5240	3950	4540	7660	12900	15800	11100	3440	3360
7	5930	6030	5380	5110	4250	4520	7550	14600	17200	10700	3280	3740
8	5890	6080	5400	4950	4360	4240	8030	15900	17500	10400	3100	4220
9	5810	5880	5400	4960	4310	4100	8590	16900	17400	10300	3030	4110
10	5730	5960	5320	4940	4360	3920	9700	18100	17300	9610	2970	3800
11	5640	6200	5250	4830	4360	4240	11600	17900	16900	8830	3000	3740
12	5590	6040	5240	4650	4310	4360	12300	17700	16400	8060	2960	4000
13	5440	5730	5290	4380	4160	4490	11900	19300	16500	7390	3000	4090
14	5460	5770	5550	4140	4080	4660	11100	21700	16500	6990	2880	4700
15	5580	5760	5390	4020	4070	4750	10000	23200	16900	6670	2730	4900
16	5580	5770	5300	4010	4170	4850	8770	23900	18400	6700	2590	4770
17	5490	5740	5100	4120	4230	5260	8360	25600	18900	6780	2610	4750
18	5390	5700	5030	4410	4220	5460	8450	28300	18400	6300	2790	4900
19	5360	5680	4960	4260	4290	5490	8770	28700	19800	6310	2870	5190
20	5310	5680	4740	4030	4420	5370	8920	28700	20600	6180	3030	5320
21	5270	5650	4750	3990	4990	5350	8300	28600	20300	5880	3050	5090
22	5220	5440	4750	3980	6620	5390	7790	25700	21800	5550	3040	4770
23	5270	5610	4710	3950	7030	5600	7400	23100	23600	5240	2970	4630
24	5430	5570	4560	3880	5650	6140	7100	21600	23400	4850	2900	4580
25	5390	5580	4470	3910	4880	6270	7760	19900	21500	4440	2970	4500
26	5280	5540	4440	3800	4630	5950	9800	18200	19800	4120	3150	4410
27	5230	5570	4510	e3780	4520	5820	11800	17900	18500	4040	3440	4470
28	5290	5570	4630	e3860	4330	5800	12100	16700	18400	3880	3370	4530
29	5170	5440	4630	e4100	4250	5840	12700	15300	18200	3760	3310	4520
30	5400	5440	4690	e4200	---	5940	11400	13900	17100	3890	3300	4390
31	5680	---	4850	e4300	---	6120	---	12900	---	4060	3270	---
TOTAL	174810	171640	156790	137040	131030	155700	273290	584100	532500	240930	97300	127810
MEAN	5639	5721	5058	4421	4518	5023	9110	18840	17750	7772	3139	4260
MAX	7430	6200	5550	5240	7030	6270	12700	28700	23600	16200	3940	5320
MIN	5170	5440	4440	3780	3720	3920	6260	11000	12200	3760	2590	3230
AC-FT	346700	340400	311000	271800	259900	308800	542100	1159000	1056000	477900	193000	253500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1996, BY WATER YEAR (WY)

MEAN	3956	3791	3288	3077	3259	3793	8387	19550	22470	9191	4280	3645
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1914 - 1996	
ANNUAL TOTAL	4022250		2782940			
ANNUAL MEAN	11020		7604		7396	
HIGHEST ANNUAL MEAN					14930	1984
LOWEST ANNUAL MEAN					2631	1977
HIGHEST DAILY MEAN	51400	Jun 19	28700	May 19	73200	Jun 19 1917
LOWEST DAILY MEAN	2380	Jan 25	2590	Aug 16	640	Jul 21 1934
ANNUAL SEVEN-DAY MINIMUM	2540	Jan 20	2780	Aug 13	736	Jul 15 1934
ANNUAL RUNOFF (AC-FT)	7978000		5520000		5358000	
10 PERCENT EXCEEDS	33300		17100		18800	
50 PERCENT EXCEEDS	5680		5400		3850	
90 PERCENT EXCEEDS	2870		3720		2240	

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, 1,280 microsiemens Aug. 26, Sept. 10; minimum observed, 330 microsiemens May 19-21.

WATER TEMPERATURES: Maximum daily, 25.5°C several days in August; minimum observed, 2.0°C many days during December and January.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT											
19...	1130	5350	1050	8.6	15.0	12.0	8.3	9.2	665	--	330
NOV											
27...	1130	5530	1000	8.4	12.0	5.0	3.5	11.2	660	--	280
MAR											
12...	1115	4420	1110	8.3	17.5	10.0	29	9.3	649	0.73	300
27...	1130	5880	800	8.1	10.0	7.0	63	9.8	650	--	220
APR											
29...	1130	12800	510	8.1	10.5	10.0	99	9.6	660	0.55	160
MAY											
22...	1000	25700	330	8.0	30.0	14.0	90	8.3	650	--	120
JUN											
05...	1020	15700	520	8.0	30.0	18.0	25	7.8	656	--	180
05...	1030	15700	520	8.0	30.0	18.0	34	7.8	656	--	190
JUL											
23...	1100	5280	880	8.5	27.0	23.0	29	6.8	559	--	270
AUG											
26...	1130	3090	1270	8.3	21.0	22.0	19	6.9	655	1.3	450
SEP											
23...	1100	4650	1160	8.3	20.0	15.0	72	8.2	660	--	380

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
19...	85	28	83	35	2	3.6	11	160	149	--	270
NOV											
27...	72	24	83	39	2	3.6	4	152	132	--	210
MAR											
12...	76	27	100	42	3	3.9	0	170	139	150	240
27...	57	19	70	40	2	2.8	0	145	119	120	160
APR											
29...	46	12	35	31	1	2.4	0	116	95	100	96
MAY											
22...	34	8.1	18	25	0.7	1.4	0	91	75	78	58
JUN											
05...	52	12	34	29	1	1.9	0	120	98	99	100
05...	53	13	35	29	1	2.0	0	120	98	99	100
JUL											
23...	74	21	61	33	2	2.9	7	142	128	130	220
AUG											
26...	120	35	100	33	2	4.4	0	193	158	160	370
SEP											
23...	100	31	82	32	2	3.6	0	195	160	160	330

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
19...	80	0.30	9.3	690	652	0.94	9970	0.410	--	<0.010	0.410
NOV											
27...	92	0.30	8.6	602	575	0.82	8990	0.380	--	<0.010	0.380
MAR											
12...	110	0.40	9.3	690	653	0.94	8230	0.430	--	<0.010	0.430
27...	69	0.30	9.9	491	462	0.67	7800	0.380	0.380	0.010	0.390
APR											
29...	34	0.20	9.7	304	294	0.41	10500	0.250	--	<0.010	0.250
MAY											
22...	15	0.20	9.4	208	190	0.28	14400	0.200	0.200	0.010	0.210
JUN											
05...	32	0.30	9.4	321	302	0.44	13600	0.270	--	<0.010	0.270
05...	33	0.30	9.6	321	307	0.44	13600	0.290	--	<0.010	0.290
JUL											
23...	61	0.40	7.2	568	527	0.77	8100	0.410	0.410	0.010	0.420
AUG											
26...	98	0.40	10	862	839	1.17	7190	0.980	0.980	0.020	1.00
SEP											
23...	78	0.40	11	776	736	1.06	9740	0.720	0.720	0.020	0.740

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT											
19...	0.410	<0.015	--	--	<0.20	<0.20	--	0.020	0.020	0.010	0.03
NOV											
27...	0.380	<0.015	--	0.30	0.30	<0.20	0.68	0.040	0.010	<0.010	--
MAR											
12...	0.430	0.040	0.05	0.36	0.40	0.30	0.83	0.080	0.030	0.009	0.03
27...	0.390	0.070	0.09	0.33	0.40	<0.20	0.79	0.100	0.030	0.013	0.04
APR											
29...	0.250	0.040	0.05	0.56	0.60	0.30	0.85	0.150	0.020	0.019	0.06
MAY											
22...	0.210	0.030	0.04	0.67	0.70	<0.20	0.91	0.280	0.010	0.015	0.05
JUN											
05...	0.270	0.020	0.03	0.28	0.30	<0.20	0.57	0.080	0.020	0.010	0.03
05...	0.290	0.020	0.03	0.58	0.60	<0.20	0.89	0.200	0.030	0.011	0.03
JUL											
23...	0.420	0.040	0.05	0.46	0.50	<0.20	0.92	0.070	<0.010	<0.001	--
AUG											
26...	1.00	0.020	0.03	0.38	0.40	0.30	1.4	0.040	<0.010	<0.001	--
SEP											
23...	0.740	<0.015	--	0.50	0.50	<0.20	1.2	0.120	<0.010	0.005	0.02

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
OCT											
19...	1130	<10	--	--	48	--	--	--	--	<3.0	--
NOV											
27...	1130	10	--	--	45	--	--	--	--	<3.0	--
MAR											
12...	1115	5.0	<1.0	<1	62	<1.0	70	<1.0	1.0	<1.0	4.0
27...	1130	3.0	<1.0	<1	50	<1.0	40	<1.0	1.0	<1.0	2.0
APR											
29...	1130	6.0	<1.0	1	52	<1.0	40	<1.0	<1.0	<1.0	2.0
MAY											
22...	1000	8.0	<1.0	<1	41	<1.0	20	<1.0	<1.0	<1.0	2.0
JUN											
05...	1020	4.0	<1.0	<1	46	<1.0	31	<1.0	<1.0	<1.0	2.0
05...	1030	4.0	<1.0	<1	45	<1.0	32	<1.0	<1.0	<1.0	2.0
JUL											
23...	1100	3.0	<1.0	<1	66	<1.0	55	<1.0	1.0	<1.0	4.0
AUG											
26...	1130	2.0	<1.0	2	69	<1.0	97	<1.0	2.0	<1.0	6.0
SEP											
23...	1100	2.0	<1.0	1	70	<1.0	70	<1.0	<1.0	<1.0	3.0

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT											
19...	9.0	--	35	5.0	<10	<1.0	4	<1.0	910	<6	--
NOV											
27...	11	--	31	9.0	10	<1.0	3	<1.0	770	<6	--
MAR											
12...	9.0	<1.0	30	15	6.0	2.0	4	<1.0	780	<6	3.0
27...	7.0	<1.0	21	5.0	6.0	2.0	2	<1.0	590	<6	1.0
APR											
29...	21	<1.0	12	5.0	6.0	2.0	2	<1.0	410	<6	3.0
MAY											
22...	22	<1.0	9	4.0	3.0	1.0	<1	<1.0	270	<6	2.0
JUN											
05...	10	<1.0	4	2.0	4.0	2.0	2	<1.0	420	<6	2.0
05...	13	<1.0	13	2.0	4.0	2.0	2	<1.0	420	<6	2.0
JUL											
23...	<3.0	<1.0	28	1.0	7.0	3.0	4	<1.0	810	<6	3.0
AUG											
26...	<3.0	<1.0	49	10	7.0	6.0	7	<1.0	1400	<6	1.0
SEP											
23...	<3.0	<1.0	38	2.0	5.0	2.0	7	<1.0	1100	<6	2.0

DATE	TIME	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
MAR		
12...	1115	5.0
27...	1130	3.0
APR		
29...	1130	2.0
MAY		
22...	1000	1.0
JUN		
05...	1020	2.0
05...	1030	2.0
JUL		
23...	1100	4.0
AUG		
26...	1130	7.0
SEP		
23...	1100	5.0

DATE	TIME	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
MAY												
22...	1000	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010
JUN												
05...	1020	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010
05...	1030	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010
JUL												
23...	1100	0.006	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010
AUG												
26...	1130	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010
SEP												
23...	1100	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004	<0.010

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
MAY											
22...	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002
JUN											
05...	<0.004	<0.003	<0.002	E0.015	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002
05...	<0.004	<0.003	<0.002	E0.013	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002
JUL											
23...	<0.004	<0.003	<0.002	<0.014	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002
AUG											
26...	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002
SEP											
23...	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003	<0.002

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	DIAZ-INON D10 SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91063)	TERBUTH YLAZINE SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91064)	HCH ALPHA D6 SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91065)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)
MAY											
22...	E0.003	<0.004	<0.003	<0.013	E0.061	<0.005	102	96.8	87.6	3139	892
JUN											
05...	0.008	<0.004	<0.003	<0.013	<0.001	<0.005	98.0	112	97.4	3176	900
05...	0.007	<0.004	<0.003	<0.013	<0.001	<0.005	90.0	106	109	3189	900
JUL											
23...	0.007	<0.004	<0.003	<0.013	<0.001	<0.005	71.4	120	127	3363	900
AUG											
26...	0.007	<0.004	<0.003	<0.013	<0.001	<0.005	94.3	108	90.4	3508	900

DATE	TIME	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
MAY										
22...	1000	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
JUN										
05...	1020	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
05...	1030	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
JUL										
23...	1100	<0.007	<0.002	<0.005	<0.018	E0.004	0.009	<0.003	<0.002	<0.006
AUG										
26...	1130	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
SEP										
23...	1100	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)
MAY										
22...	<0.004	<0.004	<0.001	0.007	<0.005	<0.004	<0.002	<0.001	0.011	<0.002
JUN										
05...	<0.004	<0.004	<0.001	0.004	<0.005	<0.004	<0.002	0.005	0.015	<0.002
05...	<0.004	<0.004	<0.001	0.004	<0.005	<0.004	<0.002	0.005	0.013	<0.002
JUL										
23...	<0.004	<0.004	<0.001	0.009	0.008	<0.004	<0.002	0.016	0.007	<0.002
AUG										
26...	<0.004	<0.004	<0.001	0.005	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002
SEP										
23...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1040	930	970	1120	1110	770	540	580	460	1070	1220
2	1100	1010	950	970	1000	1030	750	540	570	470	1080	1200
3	1020	1000	930	990	980	990	740	530	540	485	1090	1190
4	1020	1020	910	930	1060	1020	700	530	540	510	1100	1180
5	1030	990	930	900	1070	1040	670	520	500	530	1090	1200
6	1040	980	940	920	1050	1030	640	510	460	560	1100	1210
7	1040	980	930	930	1050	1020	650	480	430	560	1110	1240
8	1030	970	920	910	1130	1010	670	460	420	580	1110	1260
9	1030	960	940	920	1050	1020	640	430	415	590	1130	1230
10	1030	960	940	930	1040	1080	610	405	420	580	1140	1280
11	1040	960	940	930	1030	1070	570	405	430	620	1150	1230
12	1030	940	930	970	1040	1060	540	405	435	660	1160	1200
13	1060	950	940	1000	1060	990	520	405	440	680	1190	1190
14	1060	940	930	1070	1040	1000	560	390	435	700	1180	1210
15	1050	---	940	1060	1030	990	580	370	445	710	1200	1240
16	1020	950	---	1100	1040	1000	600	355	445	730	1210	1200
17	1020	940	960	1120	1050	920	640	350	440	750	1240	1170
18	1020	930	940	1130	1050	880	660	340	440	770	1260	1140
19	1040	920	960	1040	1040	860	660	330	420	800	1250	1120
20	---	930	960	---	1030	840	650	330	385	820	1230	1120
21	1030	930	970	1070	1000	830	650	330	380	1260	1220	1120
22	1040	---	1000	1070	970	820	660	345	380	880	1230	---
23	1050	930	980	1080	930	820	680	365	400	880	1230	1150
24	1060	920	1000	1070	960	830	690	380	425	900	1250	1150
25	1070	950	980	1070	960	780	710	400	445	920	1270	1130
26	1060	---	980	1060	950	800	660	440	390	940	1280	1150
27	1060	950	1050	1050	1010	790	560	460	370	970	1260	1160
28	1070	930	---	1070	1040	820	520	480	360	1000	1250	1120
29	1070	940	1050	1110	1040	780	500	490	370	1020	1240	1100
30	1060	930	1060	1090	---	770	520	530	450	1030	1230	1090
31	1070	---	1010	1040	---	770	---	560	---	1050	1240	---
MEAN	1050	957	962	1020	1030	928	632	432	439	755	1190	1180

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	10.0	6.0	2.0	4.0	8.0	14.0	14.0	16.0	22.0	24.5	24.5
2	15.0	10.0	6.0	2.0	4.0	8.0	14.0	14.0	16.0	22.0	24.5	24.5
3	15.0	8.0	6.0	2.0	4.0	8.0	14.0	14.0	16.0	22.0	24.5	24.5
4	15.0	8.0	6.0	2.0	5.0	8.0	14.0	14.0	16.0	22.0	24.5	24.5
5	15.0	8.0	6.0	2.0	5.0	8.0	14.0	14.0	16.0	22.0	24.5	24.5
6	15.0	8.0	6.0	2.0	5.0	8.0	14.0	14.0	16.0	23.0	23.5	22.5
7	15.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	16.0	23.0	23.5	22.5
8	14.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	17.0	23.0	24.5	22.5
9	14.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	17.0	24.0	24.5	22.5
10	14.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	17.0	24.0	24.5	22.5
11	14.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	17.0	24.0	25.5	22.5
12	14.0	8.0	6.0	2.0	5.0	10.0	14.0	14.0	17.0	24.0	25.5	22.5
13	12.0	8.0	6.0	3.0	5.0	11.0	14.0	14.0	17.0	24.0	25.5	18.5
14	12.0	8.0	6.0	3.0	6.0	11.0	14.0	14.0	17.0	24.0	25.5	18.5
15	12.0	---	6.0	3.0	6.0	11.0	14.0	14.0	17.0	24.0	25.5	18.5
16	12.0	8.0	---	3.0	6.0	11.0	14.0	15.0	17.0	24.0	25.5	18.5
17	11.0	8.0	6.0	3.0	6.0	11.0	14.0	15.0	17.0	24.0	25.5	18.5
18	11.0	8.0	4.0	3.0	6.0	12.0	14.0	15.0	17.0	24.0	24.5	15.5
19	11.0	8.0	4.0	3.0	6.0	12.0	14.0	15.0	17.0	24.0	25.5	15.5
20	---	8.0	4.0	---	7.0	12.0	14.0	14.0	17.0	24.0	25.5	15.5
21	11.0	8.0	4.0	3.0	7.0	12.0	14.0	14.0	17.0	24.0	25.5	15.5
22	11.0	---	4.0	3.0	7.0	12.0	14.0	14.0	17.0	24.0	25.5	---
23	10.0	7.0	3.0	3.0	7.0	14.0	14.0	14.0	17.0	24.0	25.5	16.5
24	10.0	7.0	3.0	3.0	7.0	14.0	14.0	14.0	17.0	24.0	25.5	16.5
25	10.0	7.0	3.0	3.0	7.0	14.0	14.0	12.0	18.0	24.0	24.5	16.5
26	10.0	---	2.0	3.0	8.0	14.0	14.0	12.0	18.0	24.0	23.5	16.5
27	10.0	7.0	2.0	3.0	8.0	14.0	14.0	12.0	18.0	24.0	24.5	16.5
28	10.0	7.0	---	2.0	8.0	14.0	14.0	12.0	18.0	24.0	24.5	15.5
29	10.0	7.0	2.0	2.0	8.0	14.0	14.0	14.0	18.0	24.0	25.5	15.5
30	10.0	7.0	2.0	2.0	---	14.0	14.0	15.0	18.0	24.0	24.5	15.5
31	10.0	---	2.0	2.0	---	14.0	---	15.0	---	24.0	24.5	---
MEAN	12.3	7.9	4.7	2.5	5.9	11.3	14.0	13.9	17.0	23.6	24.9	19.4

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT			
19...	1400	--	43
NOV			
27...	1200	--	23
27...	1201	--	21
27...	1202	--	35
27...	1203	--	19
27...	1204	--	16
MAR			
12...	1230	--	97
12...	1231	--	87
12...	1232	--	80
12...	1233	--	79
12...	1234	--	77
12...	1330	91	138
12...	1331	89	96
12...	1332	93	89
12...	1333	90	75
12...	1334	95	75
27...	1200	88	138
27...	1201	87	133
27...	1202	91	134
27...	1203	95	111
27...	1204	96	127
27...	1300	--	141
27...	1301	--	122
27...	1302	--	140
27...	1303	--	133
27...	1304	--	119
APR			
29...	1300	--	701
29...	1330	68	497
MAY			
22...	1200	--	399
22...	1230	62	366
JUN			
05...	1100	--	236
05...	1130	58	220
JUL			
23...	1145	--	90
AUG			
26...	1230	--	51
29...	1500	--	26
SEP			
23...	1230	93	203
23...	1300	--	179

09182200 CASTLE CREEK BELOW CASTLETON NEAR MOAB, UT

LOCATION.--Lat 38°36'45", long 109°19'54", in $SE^1/_4NW^1/_4SW^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Altitude of gage is 5,600 ft above sea level, 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 PERIOD OF RECORD.--Maximum discharge, 650 $ft^3/_s$ Sept. 12, 1996, gage height, 5.50 ft, from slope-area measurement; minimum daily discharge, 1.4 $ft^3/_s$ Sept. 10, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 650 $ft^3/_s$ Sept. 12, gage height, 5.50 ft, from slope-area measurement; minimum daily discharge, 1.7 $ft^3/_s$, several days in Aug. and Sept.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	3.3	2.9	2.6	2.7	2.4	2.4	3.1	4.2	3.0	2.0	1.7
2	3.1	3.0	2.8	2.5	2.6	2.4	2.3	3.0	4.1	3.0	2.7	1.7
3	3.0	3.0	2.9	2.6	e2.5	2.5	2.3	3.3	3.9	2.9	2.1	1.7
4	3.0	3.0	2.8	2.6	e2.4	2.5	2.4	3.8	4.0	2.8	2.0	1.7
5	3.0	3.0	2.8	2.5	2.5	2.5	2.3	3.9	3.9	2.9	2.0	1.8
6	3.0	3.0	2.8	2.5	2.5	2.8	2.3	4.0	3.8	2.8	1.8	2.0
7	3.0	3.0	3.0	2.6	2.5	2.7	2.3	3.9	3.9	2.7	1.9	1.9
8	2.9	3.0	3.0	2.6	2.5	2.7	2.2	3.8	4.0	2.7	1.9	1.7
9	2.9	3.0	3.0	2.6	2.4	2.6	2.3	3.8	4.0	2.7	1.9	1.8
10	3.0	3.0	2.9	2.6	2.3	2.6	2.4	3.9	4.0	2.6	1.8	1.8
11	3.0	3.0	3.0	2.6	2.3	2.5	2.8	3.9	4.0	2.5	1.8	1.8
12	3.0	3.0	2.9	2.5	2.3	2.5	2.5	3.9	4.1	2.4	1.8	e8.8
13	3.0	3.0	2.9	2.5	2.3	2.5	3.0	3.9	4.2	2.5	1.7	e2.5
14	3.0	3.0	3.0	2.6	2.3	2.5	2.8	4.3	4.2	2.5	1.8	e3.1
15	3.0	2.8	2.9	2.6	2.3	2.5	2.7	4.6	4.3	2.4	1.8	e2.3
16	3.0	2.8	2.9	2.7	2.3	2.4	2.6	4.9	4.2	2.4	1.8	e2.2
17	2.9	2.8	2.8	2.8	2.3	2.5	2.6	5.6	4.0	2.6	1.8	e2.1
18	3.0	2.8	2.8	2.5	2.3	2.4	2.8	6.1	3.9	2.5	1.7	e2.1
19	3.0	2.8	2.7	2.6	2.3	2.4	2.6	6.4	3.8	2.4	1.7	e2.1
20	3.0	2.8	2.8	2.6	2.7	2.4	2.5	6.4	3.7	2.2	1.8	e2.1
21	3.0	2.8	2.7	2.6	2.9	2.4	2.5	6.3	3.9	2.3	1.9	e2.1
22	3.0	2.9	2.7	2.7	2.5	2.3	2.5	6.2	3.6	2.2	1.8	e2.1
23	3.0	2.8	e2.5	2.7	2.4	2.5	2.4	6.1	3.5	2.1	1.8	e2.1
24	3.0	2.9	e2.3	2.6	2.4	2.6	2.5	6.0	3.3	2.2	1.9	e2.0
25	3.0	2.9	e2.4	2.7	2.4	2.5	2.6	6.6	3.2	2.2	1.9	e2.0
26	3.0	2.9	e2.4	e2.5	2.4	2.5	2.6	5.9	3.4	2.0	2.0	e2.0
27	3.0	2.9	e2.5	e2.4	2.4	2.5	2.7	5.4	4.0	2.1	1.9	e2.0
28	3.0	2.9	2.5	2.6	2.4	2.5	2.9	5.2	3.4	2.2	1.9	e2.0
29	3.0	2.9	2.5	2.6	2.5	2.5	3.1	4.7	3.2	2.2	1.7	e2.1
30	3.0	2.9	2.6	2.6	---	2.5	3.1	4.5	3.2	2.0	1.8	e2.2
31	3.0	---	2.6	2.7	---	2.4	---	4.4	---	2.0	1.8	---
TOTAL	92.9	87.9	85.3	80.4	70.6	77.5	77.0	147.8	114.9	76.0	58.2	67.5
MEAN	3.00	2.93	2.75	2.59	2.43	2.50	2.57	4.77	3.83	2.45	1.88	2.25
MAX	3.1	3.3	3.0	2.8	2.9	2.8	3.1	6.6	4.3	3.0	2.7	8.8
MIN	2.9	2.8	2.3	2.4	2.3	2.3	2.2	3.0	3.2	2.0	1.7	1.7
AC-FT	184	174	169	159	140	154	153	293	228	151	115	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	2.27	2.19	2.10	2.13	2.34	2.38	2.34	5.92	7.49	4.64	2.72	2.26
MAX	3.00	2.93	2.75	2.59	2.43	2.50	2.57	11.8	13.2	9.09	3.93	3.07
(WY)	1996	1996	1996	1996	1996	1996	1996	1993	1995	1995	1995	1995
MIN	1.73	1.84	1.85	1.94	2.27	2.29	2.12	3.66	3.76	2.40	1.70	1.55
(WY)	1995	1993	1995	1993	1994	1995	1995	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	1590.0		1036.0			
ANNUAL MEAN	4.36		2.83		3.42	
HIGHEST ANNUAL MEAN					4.35	1993
LOWEST ANNUAL MEAN					2.43	1994
HIGHEST DAILY MEAN	23	Jun 17	8.8	Sep 12	29	May 27 1993
LOWEST DAILY MEAN	1.7	Jan 3	1.7	Aug 13	1.4	Sep 10 1994
ANNUAL SEVEN-DAY MINIMUM	1.8	Jan 1	1.7	Aug 29	1.5	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	3150		2050		2480	
10 PERCENT EXCEEDS	10		3.9		5.4	
50 PERCENT EXCEEDS	3.0		2.6		2.4	
90 PERCENT EXCEEDS	2.1		2.0		1.8	

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 above sea level, 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 PERIOD OF RECORD.--Maximum discharge, 288 $ft^3/_s$ May 27, 1993, gage-height, 7.68 ft, from slope-area measurement; minimum daily discharge, 3.2 $ft^3/_s$ several days in July, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 228 $ft^3/_s$ Sept. 12, gage height, 7.30 ft; minimum daily discharge, 4.1 $ft^3/_s$ July 11, 22-27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	8.2	8.5	8.4	8.3	7.7	8.4	5.0	4.7	4.3	4.3	4.7
2	6.9	8.2	8.5	8.3	8.2	7.7	8.3	4.8	4.4	4.2	4.4	4.7
3	6.7	8.2	8.4	8.4	7.9	7.8	8.1	4.8	4.5	4.2	4.3	4.7
4	6.6	8.2	8.4	8.4	7.9	7.8	7.2	4.6	5.8	4.2	4.2	4.9
5	6.4	8.4	8.4	8.4	8.2	8.0	8.2	4.4	5.1	4.4	4.3	4.8
6	6.7	8.6	8.4	8.4	8.2	8.9	7.9	4.5	5.1	4.4	4.3	4.9
7	6.7	8.6	8.7	8.4	8.2	8.2	7.7	4.7	4.6	4.4	4.3	4.9
8	6.6	8.6	8.6	8.4	8.0	8.0	7.4	4.5	4.6	4.5	4.3	4.8
9	6.5	8.6	8.5	8.4	8.0	8.0	6.8	4.5	5.0	4.4	4.3	4.9
10	6.6	8.5	8.4	8.4	8.0	8.0	6.6	4.5	5.1	4.2	4.3	4.8
11	6.4	8.6	8.4	8.4	8.0	8.1	7.1	4.5	5.0	4.1	4.3	4.9
12	6.2	8.6	8.4	8.5	7.9	8.1	6.7	4.5	4.6	4.2	4.3	9.3
13	6.0	8.6	8.4	8.6	7.9	8.2	7.5	4.6	4.6	4.2	4.4	7.9
14	6.2	8.6	8.4	8.6	7.8	8.2	6.8	4.4	4.6	4.2	4.4	9.8
15	6.0	8.6	8.4	8.4	7.9	8.3	6.8	4.6	4.5	4.2	4.4	e7.9
16	6.4	8.6	8.5	8.5	7.8	8.3	6.7	4.8	4.5	4.3	4.4	e7.3
17	6.5	8.6	8.4	8.8	7.8	8.4	6.7	4.6	4.5	4.5	4.4	e7.2
18	6.4	8.6	8.4	8.4	7.8	8.4	6.7	4.3	4.3	4.2	4.5	e7.3
19	6.4	8.6	8.4	8.4	7.9	8.4	6.7	4.4	4.3	4.2	4.4	7.5
20	6.5	8.6	8.4	8.4	8.1	8.4	6.4	4.5	4.3	4.2	4.4	7.3
21	7.0	8.6	8.4	8.5	9.1	8.4	6.0	4.8	4.8	4.2	4.5	7.1
22	7.6	8.6	8.3	8.6	7.9	8.3	5.8	4.5	5.1	4.1	4.5	7.1
23	7.7	8.6	8.1	8.4	7.8	8.6	5.4	4.5	4.8	4.1	4.5	7.1
24	7.5	8.6	7.8	8.3	7.7	9.0	5.3	4.5	4.3	4.1	4.7	6.4
25	7.6	8.6	7.9	8.4	7.8	8.6	5.0	5.3	4.2	4.1	4.8	6.4
26	8.1	8.6	8.1	7.6	7.9	8.6	4.6	5.3	4.2	4.1	4.7	6.4
27	8.2	8.6	8.2	7.4	7.8	8.5	4.4	4.9	4.3	4.1	4.7	6.4
28	8.2	8.5	8.2	8.3	7.7	8.6	4.5	5.5	4.6	4.2	4.7	6.3
29	8.2	8.4	8.3	8.4	7.8	8.8	4.7	5.4	4.5	4.3	4.8	6.3
30	8.2	8.4	8.4	8.4	---	8.5	5.1	4.8	4.5	4.3	4.7	6.5
31	8.2	---	8.5	8.4	---	8.5	---	4.5	---	4.2	4.7	---
TOTAL	216.1	255.6	259.1	259.6	231.3	257.3	195.5	145.5	139.4	131.3	138.2	190.5
MEAN	6.97	8.52	8.36	8.37	7.98	8.30	6.52	4.69	4.65	4.24	4.46	6.35
MAX	8.2	8.6	8.7	8.8	9.1	9.0	8.4	5.5	5.8	4.5	4.8	9.8
MIN	6.0	8.2	7.8	7.4	7.7	7.7	4.4	4.3	4.2	4.1	4.2	4.7
AC-FT	429	507	514	515	459	510	388	289	276	260	274	378

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	6.85	7.88	7.69	7.70	7.25	7.49	7.11	8.15	8.57	5.91	4.85	5.45
MAX	7.93	8.56	8.36	8.53	7.98	8.36	8.43	17.2	15.4	9.85	5.51	6.35
(WY)	1994	1993	1996	1993	1996	1993	1993	1993	1993	1995	1993	1996
MIN	5.85	6.87	6.93	6.46	6.45	6.46	6.13	4.69	4.44	3.31	3.56	4.13
(WY)	1995	1995	1995	1995	1995	1995	1995	1996	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	2721.6		2419.4			
ANNUAL MEAN	7.46		6.61		7.16	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					6.08	1994
HIGHEST DAILY MEAN	22	Jun 18	9.8	Sep 14	34	May 27 1993
LOWEST DAILY MEAN	4.4	Jul 30	4.1	Jul 11	3.2	Jul 7 1994
ANNUAL SEVEN-DAY MINIMUM	4.8	Jul 28	4.1	Jul 21	3.2	Jul 7 1994
ANNUAL RUNOFF (AC-FT)	5400		4800		5180	
10 PERCENT EXCEEDS	9.8		8.6		8.6	
50 PERCENT EXCEEDS	6.6		7.1		6.7	
90 PERCENT EXCEEDS	5.6		4.3		4.4	

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 mi^2.

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 sea level, 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, 1,080 ft^3/s Aug. 8, 1993, gage height, 7.66 ft from floodmarks, from rating curve extended above 340 ft^3/s on basis of slope-area measurement of peak flow; minimum recorded, 2.1 ft^3/s Apr. 5, 1955.

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)
June 27	2015	281	4.48	Sept. 13	0645	160	3.80
Sept. 6	1100	*660	*6.20	Sept. 14	1945	190	4.00

Minimum daily discharge, 4.1 ft^3/s Aug. 31, Sept. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	11	9.3	e6.6	5.9	5.1	6.0	15	13	12	5.9	4.2
2	9.0	11	9.4	e6.5	5.6	5.2	6.3	17	13	11	6.0	4.2
3	8.8	10	9.2	e6.6	e5.5	5.3	6.1	19	13	10	6.0	4.1
4	8.7	10	9.1	e6.6	e5.4	5.4	6.4	21	14	9.7	6.1	4.2
5	9.0	11	9.1	e6.5	5.6	5.6	6.7	22	17	9.5	5.8	4.2
6	9.3	11	9.1	e6.4	5.6	6.5	7.0	24	18	9.3	5.8	29
7	9.4	11	9.2	e6.4	5.4	5.6	7.6	24	18	9.6	5.7	7.6
8	9.2	11	8.9	e6.4	5.5	5.4	8.2	23	18	9.6	5.6	7.4
9	9.1	11	8.8	e6.4	5.7	5.4	8.8	25	19	9.5	5.6	7.1
10	9.2	11	8.8	e6.7	5.7	5.5	8.8	22	17	9.0	5.6	7.2
11	9.1	10	8.8	e6.6	5.7	5.8	9.0	23	16	8.2	5.5	7.3
12	9.5	10	8.8	e6.5	5.6	5.8	8.2	25	16	7.6	5.5	10
13	9.4	10	9.0	6.5	5.5	5.7	8.8	28	16	7.6	5.4	e22
14	9.3	10	8.9	6.4	5.6	5.6	7.3	30	15	7.5	5.4	e20
15	9.7	10	8.3	6.4	5.5	5.6	7.5	30	14	7.2	5.3	15
16	11	10	8.7	6.5	5.5	5.6	8.1	32	14	7.5	5.1	14
17	11	10	8.2	6.8	5.5	5.6	8.2	31	13	7.3	5.1	14
18	12	10	7.2	6.9	5.6	5.5	7.9	28	13	7.1	5.5	14
19	11	9.8	6.9	6.4	5.6	5.5	7.4	27	12	6.8	5.3	12
20	11	9.6	7.8	6.3	5.9	5.6	7.5	27	12	6.6	5.4	12
21	11	9.1	6.4	6.3	8.1	5.6	7.3	24	12	6.5	5.3	11
22	11	9.4	e6.4	6.4	6.3	5.6	8.2	21	12	6.4	5.4	11
23	11	9.4	e6.3	6.1	5.0	5.7	9.3	18	12	6.3	5.6	11
24	11	9.5	e6.2	6.0	5.7	5.7	10	16	13	6.4	8.5	11
25	11	9.6	e6.3	6.0	5.6	5.6	13	16	12	6.5	4.9	11
26	11	9.5	e6.3	e5.6	5.5	5.5	14	13	11	6.4	4.6	11
27	11	9.1	e6.3	e5.5	4.7	5.6	17	13	24	6.3	4.4	10
28	11	9.0	e6.5	5.6	5.0	6.0	16	13	14	6.3	4.5	10
29	11	9.4	e6.5	5.5	5.3	6.0	13	13	12	6.2	4.4	10
30	11	9.3	e6.7	5.6	---	5.7	13	13	12	6.0	4.2	10
31	11	---	e6.8	5.9	---	5.8	---	12	---	5.9	4.1	---
TOTAL	315.2	300.7	244.2	194.9	163.1	174.1	272.6	665	435	241.8	167.5	325.5
MEAN	10.2	10.0	7.88	6.29	5.62	5.62	9.09	21.5	14.5	7.80	5.40	10.8
MAX	12	11	9.4	6.9	8.1	6.5	17	32	24	12	8.5	29
MIN	8.7	9.0	6.2	5.5	4.7	5.1	6.0	12	11	5.9	4.1	4.1
AC-FT	625	596	484	387	324	345	541	1320	863	480	332	646

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-96, BY WATER YEAR (WY)

MEAN	8.26	7.44	6.79	6.20	5.87	6.45	11.3	28.5	28.6	15.0	9.91	8.69
MAX	12.1	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	40.7	18.7	13.5
(WY)	1958	1988	1988	1988	1988	1988	1958	1958	1957	1995	1993	1993
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955-59, 1988-96	
ANNUAL TOTAL	6293.9		3499.6			
ANNUAL MEAN	17.2		9.56		11.9	
HIGHEST ANNUAL MEAN					20.4	1993
LOWEST ANNUAL MEAN					6.13	1990
HIGHEST DAILY MEAN	78	Jun 17	32	May 16	141	May 27 1993
LOWEST DAILY MEAN	4.5	Jan 1	4.1	Aug 31	2.8	Nov 2 1956
ANNUAL SEVEN-DAY MINIMUM	5.2	Feb 15	4.2	Aug 30	3.2	Oct 30 1956
ANNUAL RUNOFF (AC-FT)	12480		6940		8650	
10 PERCENT EXCEEDS	49		16		23	
50 PERCENT EXCEEDS	10		8.2		7.5	
90 PERCENT EXCEEDS	5.4		5.5		5.0	

e Estimated

09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼ NE¼ NE¼ 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 sea level, from topographic map.

REMARKS.--Estimated daily discharges: Dec. 21 to Mar. 8. 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1120	1070	1060	1300	1400	1300	1240	1680	4120	6380	1740	1430
2	1100	1040	1060	1300	1400	1300	1260	1730	4160	5960	1740	1430
3	1090	1040	1060	1400	1400	1400	1250	1780	4180	5790	1730	1440
4	1090	1030	1050	1400	1400	1500	1240	1800	4170	5460	1650	1470
5	1090	1030	1050	1400	1400	1400	1230	1810	4640	5390	1640	1460
6	1090	1020	1060	1500	1400	1400	1240	1830	5190	5390	1640	1400
7	1090	1010	1050	1500	1400	1300	1230	2040	5330	5350	1700	1320
8	1090	958	1040	1500	1400	1300	1240	2220	5400	5340	1700	1310
9	1080	948	1140	1500	1300	1270	1270	2230	5470	4940	1590	1320
10	1080	948	1060	1500	1200	1260	1310	2160	5530	4400	1540	1340
11	1080	935	1050	1500	1200	1270	1300	2150	5570	3950	1540	1350
12	1090	934	1050	1500	1200	1270	1290	2170	5860	3680	1510	1310
13	1070	933	1040	1500	1200	1400	1320	2200	6070	3640	1480	1230
14	1080	932	1030	1500	1200	1520	1300	2380	6260	3640	1490	1220
15	1080	932	1040	1500	1200	1440	1300	2460	6810	3630	1470	1220
16	1080	932	1110	1500	1200	1370	1310	2470	6880	3400	1450	1230
17	1060	944	1040	1500	1200	1320	1310	2810	6930	3040	1450	1270
18	1060	972	1150	1500	1200	1330	1320	2990	6980	2870	1450	1260
19	1060	980	1140	1500	1200	1330	1320	3020	7000	2810	1440	1240
20	1050	983	1100	1500	1200	1290	1310	2990	7530	2790	1440	1160
21	1050	988	1000	1400	1200	1270	1310	3360	7620	2790	1430	1090
22	1050	988	1000	1400	1200	1290	1310	3500	7660	2800	1420	1080
23	1070	996	1000	1400	1200	1320	1330	3550	7620	2640	1420	1080
24	1060	992	1100	1400	1200	1320	1470	3930	7620	2410	1420	1100
25	1060	988	1100	1400	1200	1350	1530	4000	7200	2340	1420	1110
26	1060	988	1200	1400	1200	1250	1720	4040	7170	2160	1420	1100
27	1050	1000	1200	1400	1200	1240	1820	3990	6760	2080	1420	1100
28	1050	1010	1200	1400	1200	1250	1830	4040	6490	2060	1420	1100
29	1050	1010	1200	1400	1200	1240	1590	4080	6360	2040	1420	1100
30	1040	1040	1300	1400	---	1230	1590	4040	6370	1940	1430	1120
31	1040	---	1300	1400	---	1240	---	4120	---	1820	1430	---
TOTAL	33210	29571	33980	44700	36500	40970	41090	87570	184950	112930	47040	37390
MEAN	1071	986	1096	1442	1259	1322	1370	2825	6165	3643	1517	1246
MAX	1120	1070	1300	1500	1400	1520	1830	4120	7660	6380	1740	1470
MIN	1040	932	1000	1300	1200	1230	1230	1680	4120	1820	1420	1080
AC-FT	65870	58650	67400	88660	72400	81260	81500	173700	366800	224000	93300	74160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1996, BY WATER YEAR (WY)

MEAN	953	827	701	720	799	1013	1669	2584	4827	3278	1580	1142
MAX	3109	1844	1419	1442	1980	1852	3416	5665	11700	9415	3577	7746
(WY)	1983	1984	1972	1996	1974	1974	1962	1952	1986	1986	1982	1965
MIN	279	281	272	266	267	350	516	434	414	368	372	251
(WY)	1989	1989	1989	1989	1989	1989	1968	1992	1977	1977	1977	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1952 - 1996	
ANNUAL TOTAL	667573		729901		--	
ANNUAL MEAN	1829		1994		1676	
HIGHEST ANNUAL MEAN	--		--		3089	1986
LOWEST ANNUAL MEAN	--		--		689	1977
HIGHEST DAILY MEAN	7100	Jul 15	7660	Jun 22	16700	Sep 7 1965
LOWEST DAILY MEAN	535	Sep 14	932	Nov 14-16	170	Nov 16 1955
ANNUAL SEVEN-DAY MINIMUM	669	Feb 11	935	Nov 11	214	Dec 24 1962
INSTANTANEOUS PEAK FLOW	--		7750	Jun 21	16800[a]	Sep 7 1965
INSTANTANEOUS PEAK STAGE	--		6.77[b]	Dec 21	8.53	Sep 7 1965
ANNUAL RUNOFF (AC-FT)	1324000		1448000		1214000	
10 PERCENT EXCEEDS	5900		4250		3750	
50 PERCENT EXCEEDS	1110		1340		1050	
90 PERCENT EXCEEDS	720		1040		443	

a Caused by emergency release from Fontenelle Reservoir.
b Ice jam.

09217900 BLACKS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 40°57'33", long 110°34'46", in SW1/4 SW1/4 SW1/4 sec.27, T.3 N., R.12 E., Summit County, UT, Hydrologic Unit 14040107, on left bank 1 mi downstream from East Fork, 2.7 mi south of Utah-Wyoming State line, and 18 mi south of Robertson.

DRAINAGE AREA.--130 mi^2, approximately.

PERIOD OF RECORD.--October 1937 to July 1939 (published as "at Blacks Fork Ranger Station"), July 1966 to September 1986, October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8,811.3 ft above sea level (Bureau of Reclamation bench mark). Datums published from October 1968 to September 1978 are incorrect. October 1937 to July 1939, at site 970 ft downstream at different datum, July 1966 to September 1986 and October 1992 to September 1993 at site 0.2 mi downstream at datum 6.5 ft lower.

REMARKS.--Estimated daily discharges: Oct. 19, 20, 23-25, Nov. 2-8, Nov. 15 to Mar. 13, Mar. 23-28, Mar. 30 to Apr. 1, and July 12-16. Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	1945	1,600	4.67	June 9	0030	*1,610	*4.68

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	39	31	24	16	26	26	98	392	429	122	46
2	53	38	30	23	15	28	29	118	453	423	160	45
3	52	37	29	25	18	29	29	139	589	416	127	44
4	61	39	30	26	21	28	28	157	823	434	117	42
5	61	37	31	24	23	27	30	182	1150	448	108	43
6	59	38	31	23	25	26	34	232	1250	420	101	45
7	58	38	31	24	26	25	35	253	1190	389	94	44
8	53	38	30	25	27	25	40	261	1290	363	91	43
9	54	33	30	24	26	26	45	259	1370	356	89	42
10	54	30	29	24	25	26	53	263	1250	327	86	44
11	60	47	30	24	25	27	60	327	1070	305	82	51
12	59	42	30	24	25	27	60	457	1090	300	79	56
13	46	44	30	23	26	26	54	626	994	290	73	75
14	46	44	29	23	27	27	61	770	869	290	71	73
15	47	44	28	23	27	28	67	946	778	290	71	64
16	46	44	29	22	26	26	58	1280	729	280	69	63
17	44	43	28	21	27	27	53	1240	763	279	67	73
18	42	42	26	20	28	26	57	1000	709	249	82	66
19	38	41	24	20	27	27	48	705	646	232	71	65
20	37	40	24	21	26	26	60	525	599	212	65	65
21	42	38	25	22	26	27	50	485	744	201	60	69
22	35	36	25	21	26	26	56	539	674	187	58	68
23	34	33	24	20	25	25	46	534	518	176	54	61
24	35	32	23	21	26	24	60	416	489	166	54	56
25	39	32	23	21	24	21	72	393	470	155	54	53
26	46	30	23	21	23	30	76	362	445	150	54	51
27	46	29	24	20	21	29	83	381	752	142	56	49
28	46	29	25	21	23	28	73	435	705	140	70	53
29	43	32	26	21	24	26	75	390	470	145	53	50
30	44	32	27	20	---	26	78	393	437	137	50	48
31	46	---	26	19	---	25	---	380	---	125	48	---
TOTAL	1488	1121	851	690	704	820	1596	14546	23708	8456	2436	1647
MEAN	48.0	37.4	27.5	22.3	24.3	26.5	53.2	469	790	273	78.6	54.9
MAX	62	47	31	26	28	30	83	1280	1370	448	160	75
MIN	34	29	23	19	15	21	26	98	392	125	48	42
AC-FT	2950	2220	1690	1370	1400	1630	3170	28850	47020	16770	4830	3270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

MEAN	54.2	40.6	33.1	26.2	23.7	25.2	50.7	397	788	343	113	68.4
MAX	136	62.0	50.0	41.4	36.9	38.6	112	789	1273	1003	232	157
(WY)	1983	1974	1974	1974	1974	1969	1985	1984	1983	1975	1983	1982
MIN	23.9	22.1	11.1	6.73	9.32	9.78	19.4	134	298	64.5	46.3	37.3
(WY)	1993	1994	1977	1977	1977	1994	1975	1975	1994	1994	1994	1976

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1966 - 1996	
ANNUAL TOTAL	77049		58063		--	
ANNUAL MEAN	211		159		164	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		79.3	1977
HIGHEST DAILY MEAN	1870	Jun 15	1370	Jun 9	1880	Jun 19 1983
LOWEST DAILY MEAN	20	Mar 29	15	Feb 2	3.2	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	22	Mar 23	19	Jan 28	3.9	Apr 2 1994
INSTANTANEOUS PEAK FLOW	--		1610	Jun 9	2480[a]	Jun 19 1983
INSTANTANEOUS PEAK STAGE	--		4.68	Jun 9	5.17	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	152800		115200		118800	
10 PERCENT EXCEEDS	757		470		504	
50 PERCENT EXCEEDS	42		46		45	
90 PERCENT EXCEEDS	26		24		21	

a Gage height, 4.91 ft, site and datum then in use.

09218500 BLACKS FORK NEAR MILLBURNE, WY

LOCATION.--Lat 41°01'54", long 110°34'43", in NW1/4 NE1/4 SW1/4 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 mi^2.

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1992). 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 sea level (Bureau of Reclamation bench mark) Prior to Oct. 1, 1971, at several sites about 2.0 mi downstream at various datums.

REMARKS.--Estimated daily discharges: May 1-12, May 28 to June 5, and June 9, 10. Records good except those for estimated daily discharges, which are poor. Flow completely regulated by Meeks Cabin Reservoir, capacity, 32,470 acre-ft, since June 1971. Result of discharge measurement, in cubic feet per second, made during period when station was not in operation, is given below:

Oct. 3 . . . 209

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	35	715	610	196	261
2	---	---	---	---	---	---	---	35	715	526	196	263
3	---	---	---	---	---	---	---	35	715	491	194	260
4	---	---	---	---	---	---	---	35	715	485	195	257
5	---	---	---	---	---	---	---	35	710	488	197	255
6	---	---	---	---	---	---	---	35	705	490	188	253
7	---	---	---	---	---	---	---	35	834	494	182	251
8	---	---	---	---	---	---	---	92	1190	491	185	248
9	---	---	---	---	---	---	---	150	1310	483	183	245
10	---	---	---	---	---	---	---	278	1280	476	182	251
11	---	---	---	---	---	---	---	400	1200	474	184	259
12	---	---	---	---	---	---	---	400	1270	436	185	255
13	---	---	---	---	---	---	---	523	1230	426	185	251
14	---	---	---	---	---	---	---	682	1110	423	185	250
15	---	---	---	---	---	---	---	757	1020	415	185	246
16	---	---	---	---	---	---	---	1010	918	388	183	244
17	---	---	---	---	---	---	---	1340	892	375	182	208
18	---	---	---	---	---	---	---	1370	864	372	182	197
19	---	---	---	---	---	---	---	1210	799	372	183	200
20	---	---	---	---	---	---	---	966	762	369	202	200
21	---	---	---	---	---	---	---	817	735	367	210	195
22	---	---	---	---	---	---	---	738	775	367	210	191
23	---	---	---	---	---	---	---	739	725	305	210	188
24	---	---	---	---	---	---	---	739	679	281	210	188
25	---	---	---	---	---	---	---	734	629	279	210	186
26	---	---	---	---	---	---	---	729	622	276	209	185
27	---	---	---	---	---	---	---	726	615	273	247	183
28	---	---	---	---	---	---	---	726	630	271	261	182
29	---	---	---	---	---	---	---	726	633	267	259	179
30	---	---	---	---	---	---	---	726	614	216	259	176
31	---	---	---	---	---	---	---	726	---	194	259	---
TOTAL	---	---	---	---	---	---	---	17549	25611	12180	6298	6707
MEAN	---	---	---	---	---	---	---	566	854	393	203	224
MAX	---	---	---	---	---	---	---	1370	1310	610	261	263
MIN	---	---	---	---	---	---	---	35	614	194	182	176
AC-FT	---	---	---	---	---	---	---	34810	50800	24160	12490	13300

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 1996 WATER YEAR*		WATER YEARS 1940 - 1992	
ANNUAL MEAN	--	161[a]		
HIGHEST ANNUAL MEAN	--	281	1983	
LOWEST ANNUAL MEAN	--	82.9	1977	
HIGHEST DAILY MEAN	1370	May 18	2180	Jun 7 1957
LOWEST DAILY MEAN	35	May 1-7	1.0	Sep 15,16 1983
ANNUAL SEVEN-DAY MINIMUM	--		5.7	Nov 7 1970
INSTANTANEOUS PEAK FLOW	1400	May 18	2530[b]	Jun 7 1957#
INSTANTANEOUS PEAK STAGE	4.77	May 18	6.76[c]	Jun 12 1965#
ANNUAL RUNOFF (AC-FT)	--		116600	
10 PERCENT EXCEEDS	--		507	
50 PERCENT EXCEEDS	--		44	
90 PERCENT EXCEEDS	--		14	

* During period of operation.
\# For period of record through 1993.
a Unadjusted.
b From rating curve extended above 1,500 ft^3/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 NE¼ NW¼ NE¼ 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 mi^2.

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 sea level, from topopgraphic map. Prior to July 12, 1957, at datum 3.96 ft higher.

REMARKS.--Estimated daily discharges: May 1-5. Records fair 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. Result of discharge measurement, in cubic feet per second, made during the period when the station was not in operation is given below:

Oct. 3 . . . 68.1

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	24	125	141	59	78
2	---	---	---	---	---	---	---	24	140	135	60	77
3	---	---	---	---	---	---	---	24	192	129	60	73
4	---	---	---	---	---	---	---	24	223	128	60	68
5	---	---	---	---	---	---	---	24	286	131	59	67
6	---	---	---	---	---	---	---	29	414	131	62	66
7	---	---	---	---	---	---	---	36	393	124	65	66
8	---	---	---	---	---	---	---	36	394	118	65	67
9	---	---	---	---	---	---	---	36	432	125	64	66
10	---	---	---	---	---	---	---	36	410	132	64	63
11	---	---	---	---	---	---	---	68	340	131	64	59
12	---	---	---	---	---	---	---	79	315	132	64	58
13	---	---	---	---	---	---	---	83	300	131	64	56
14	---	---	---	---	---	---	---	87	265	131	66	57
15	---	---	---	---	---	---	---	87	242	131	66	57
16	---	---	---	---	---	---	---	88	212	133	66	56
17	---	---	---	---	---	---	---	91	208	136	66	50
18	---	---	---	---	---	---	---	93	206	135	66	42
19	---	---	---	---	---	---	---	93	191	133	66	39
20	---	---	---	---	---	---	---	93	179	131	72	39
21	---	---	---	---	---	---	---	93	180	130	77	38
22	---	---	---	---	---	---	---	93	238	131	77	38
23	---	---	---	---	---	---	---	93	189	109	77	37
24	---	---	---	---	---	---	---	93	162	93	77	37
25	---	---	---	---	---	---	---	93	150	92	77	37
26	---	---	---	---	---	---	---	93	142	92	77	35
27	---	---	---	---	---	---	---	93	144	93	79	36
28	---	---	---	---	---	---	---	93	236	93	82	35
29	---	---	---	---	---	---	---	93	202	94	81	35
30	---	---	---	---	---	---	---	92	153	75	79	34
31	---	---	---	---	---	---	---	96	---	59	79	---
TOTAL	---	---	---	---	---	---	---	2180	7263	3679	2140	1566
MEAN	---	---	---	---	---	---	---	70.3	242	119	69.0	52.2
MAX	---	---	---	---	---	---	---	96	432	141	82	78
MIN	---	---	---	---	---	---	---	24	125	59	59	34
AC-FT	---	---	---	---	---	---	---	4320	14410	7300	4240	3110

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 1996 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	432	Jun 9	1030	Jun 10 1965
LOWEST DAILY MEAN	24	May 1-5	1.0	Dec 17 1962
ANNUAL SEVEN-DAY MINIMUM	--		1.0	Dec 17 1962
INSTANTANEOUS PEAK FLOW	472	Jun 6	1450	Jun 10 1965#
INSTANTANEOUS PEAK STAGE	5.62	Jun 6	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 1996.

09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in $NW^1/_4NW^1/_4SE^1/_4$ 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 mi^2, approximately, including about 4,260 mi^2 which is probably noncontributing. This noncontributing area includes 3,959 mi^2 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 sea level. 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 .

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 $ft^3/_s$ 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 $ft^3/_s$ Mar. 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,800 $ft^3/_s$ May 21, gage height, 11.78 ft; minimum daily discharge, 1330 $ft^3/_s$ July 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	2260	3150	2340	2310	2570	2590	3580	4650	1830	1510	1790
2	1460	2740	3140	2340	2310	2570	2590	4050	4650	1560	1510	1780
3	1420	2740	3140	2360	2310	2570	2590	4660	4660	1340	1510	1780
4	1420	2740	3140	2340	2310	2580	2840	4650	4670	1460	1490	1790
5	1420	2740	3140	2350	2310	2590	3090	4660	4680	1350	1490	1790
6	1420	2750	3140	2310	2310	2590	3100	4660	4680	1440	1500	2200
7	1420	2750	3150	2340	2310	2600	3120	4660	4690	1340	1500	2120
8	1420	2330	3150	2330	2310	2620	3110	4660	4690	1340	1510	2110
9	1420	2750	3150	2330	2310	2580	3140	4710	4680	1370	1510	1840
10	1420	2750	3150	2300	2310	2580	3140	4720	4680	1380	1490	1840
11	1420	2740	3160	2300	2310	2590	3140	4760	4680	1370	1510	1850
12	1420	2750	3140	2300	2310	2590	3150	4760	4670	1360	1570	1850
13	1420	2750	3160	2300	2310	2590	3110	4730	4670	1360	1690	1860
14	1420	2750	3140	2300	2320	2590	3140	4690	4660	1360	1720	2050
15	1430	2760	3160	2300	2320	2590	3140	4700	4660	1360	1710	1900
16	1430	2760	3160	2310	2320	2580	3140	4720	4660	1360	1710	1810
17	1430	2760	3160	2300	2320	2580	3140	4720	4660	1360	1710	1840
18	1420	2760	3150	2310	2320	2590	3140	4730	4650	1360	1710	1860
19	1420	2760	3170	2310	2320	2590	3130	4730	4650	1350	1710	1860
20	1430	2730	3170	2310	2290	2590	3140	4730	4650	1350	1710	1760
21	1420	2750	3160	2310	2150	2590	3080	4750	4650	1350	1670	1830
22	1420	2750	3150	2310	2270	2580	2610	4770	4640	1350	1640	1830
23	1420	2930	3170	2310	2480	2590	2570	4770	4630	1350	1660	1800
24	1420	2940	3170	2310	2580	2590	3080	4770	4630	1350	1700	1780
25	1420	2940	3170	2320	2570	2590	3080	4770	4390	1350	1700	1770
26	1430	2930	3170	2320	2570	2590	3090	4770	3890	1350	1700	1760
27	1420	2940	3170	2320	2570	2590	3080	4770	3520	1330	1700	1770
28	1420	2940	3170	2320	2570	2600	3090	4710	3030	1340	1790	1720
29	1430	2930	3170	2320	2570	2590	3090	4650	2610	1350	1790	1780
30	1430	3130	3170	2310	---	2590	3080	4650	2320	1480	1780	1750
31	1900	---	3150	2310	---	2590	---	4650	---	1500	1770	---
TOTAL	44600	83250	97840	71840	68570	80220	90530	144310	131650	43100	50670	55470
MEAN	1439	2775	3156	2317	2364	2588	3018	4655	4388	1390	1635	1849
MAX	1900	3130	3170	2360	2580	2620	3150	4770	4690	1830	1790	2200
MIN	1410	2260	3140	2300	2150	2570	2570	3580	2320	1330	1490	1720
AC-FT	88460	165100	194100	142500	136000	159100	179600	286200	261100	85490	100500	110000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	1886	2041	2262	2198	2148	1741	1859	2353	2372	2370	2059	1901
MAX	3911	3655	3626	4145	4090	3818	4016	7146	7961	10130	5055	3729
(WY)	1983	1983	1973	1985	1984	1977	1986	1986	1983	1983	1983	1983
MIN	128	312	743	903	773	599	587	984	916	474	497	734
(WY)	1964	1964	1964	1971	1971	1964	1964	1990	1992	1965	1965	1965

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	693443		962050			
ANNUAL MEAN	1900		2629		2099	
HIGHEST ANNUAL MEAN					4270	1983
LOWEST ANNUAL MEAN					1044	1989
HIGHEST DAILY MEAN	4650	Jun 27	4770	May 22	12300	Jul 16 1983
LOWEST DAILY MEAN	818	Feb 19	1330	Jul 27	90	Oct 8 1963
ANNUAL SEVEN-DAY MINIMUM	819	Mar 1	1350	Jul 22	112	Oct 2 1963
ANNUAL RUNOFF (AC-FT)	1375000		1908000		1521000	
10 PERCENT EXCEEDS	3160		4660		3720	
50 PERCENT EXCEEDS	1430		2570		1790	
90 PERCENT EXCEEDS	835		1420		889	

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. Temperature extremes for the 1994 water year 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, 523 microsiemens Oct. 25, 1994.
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, 751 microsiemens Nov. 11; minimum recorded, 667 microsiemens June 17, July 2.
WATER TEMPERATURES: Maximum recorded, 14.8°C Sept. 4, 5; minimum observed, 3.9°C Jan. 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
04...	0905	1390	690	8.3	5.0	13.0	8.1	615	230	57
DEC										
12...	1000	3110	750	8.4	7.5	7.0	10.1	630	250	61
APR										
03...	0945	2770	730	8.4	2.5	4.0	10.2	616	240	60
MAY										
16...	0945	4610	700	8.4	12.0	7.5	9.9	616	240	60
JUL										
10...	0920	1370	680	8.5	20.5	12.0	8.8	624	230	57
AUG										
21...	0930	1640	700	8.3	20.5	12.0	8.2	624	240	58

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT										
04...	22	54	33	2	2.4	180	17	0.20	2.7	444
DEC										
12...	24	60	34	2	2.6	200	17	0.30	2.8	472
APR										
03...	22	56	33	2	2.5	190	17	0.30	2.3	470
MAY										
16...	23	55	33	2	2.3	190	17	0.30	2.3	480
JUL										
10...	22	51	32	1	2.3	180	15	0.30	1.7	442
AUG										
21...	22	51	32	1	2.3	180	16	0.30	2.0	442

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
OCT									
04...	422	0.60	1670	0.014	0.014	0.014	0.20	0.20	0.21
DEC									
12...	461	0.64	3960	0.036	0.036	0.036	--	--	--
APR									
03...	444	0.64	3520	0.006	0.006	0.006	0.30	0.30	0.31
MAY									
16...	442	0.65	5970	--	--	<0.005	0.20	0.20	0.20
JUL									
10...	419	0.60	1630	--	--	<0.005	0.50	0.50	0.50
AUG									
21...	423	0.60	1960	0.013	0.013	0.013	0.30	0.30	0.31

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT		
04...	0905	<1
APR		
03...	0945	<1
MAY		
16...	0945	<1
JUL		
10...	0920	<1
AUG		
21...	0930	<1

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	707	701	704	719	710	718	746	740	744	739	739	739
2	708	701	705	720	709	714	747	735	743	740	739	740
3	703	697	700	720	720	720	747	742	744	742	740	741
4	701	686	692	721	720	721	747	742	744	741	740	740
5	694	685	690	722	721	721	745	742	744	740	740	740
6	704	694	700	722	722	722	745	740	743	741	739	740
7	703	697	701	723	722	723	747	744	747	741	740	740
8	702	693	698	724	723	723	747	746	747	741	739	740
9	717	701	707	724	724	724	748	747	747	740	740	740
10	716	704	711	725	724	725	749	747	748	741	740	740
11	715	704	711	725	723	725	751	748	749	740	740	740
12	715	704	711	727	725	726	750	750	750	741	740	741
13	706	696	704	728	727	728	750	703	731	741	740	741
14	707	706	707	730	728	729	736	708	732	741	740	740
15	717	707	712	731	730	730	737	735	736	740	740	740
16	708	708	708	732	731	732	737	736	736	741	739	740
17	711	708	709	734	731	732	737	735	736	741	740	741
18	720	711	718	736	732	734	737	735	736	741	741	741
19	720	710	717	736	735	736	736	735	736	742	741	741
20	721	710	718	738	736	737	738	736	737	741	740	741
21	722	720	721	739	738	738	737	737	737	742	741	741
22	720	712	713	738	737	737	738	737	738	742	740	741
23	723	712	714	744	732	739	738	736	737	741	740	741
24	721	713	714	740	732	735	738	737	737	740	740	740
25	714	714	714	740	737	739	737	737	737	740	740	740
26	715	714	715	741	739	740	739	737	738	740	740	740
27	716	715	715	744	735	739	739	738	739	741	740	740
28	716	716	716	756	739	745	740	739	739	741	741	741
29	717	716	717	743	727	739	741	740	740	741	740	740
30	727	717	720	745	741	743	742	740	741	740	739	740
31	728	708	719	---	---	---	742	739	740	---	---	---
MONTH	728	685	710	756	709	730	751	703	740	742	739	740

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	700	686	694
2	---	---	---	---	---	---	---	---	---	701	694	699
3	---	---	---	---	---	---	---	---	---	702	697	700
4	---	---	---	---	---	---	---	---	---	702	697	700
5	---	---	---	---	---	---	---	---	---	702	698	699
6	---	---	---	---	---	---	---	---	---	701	696	699
7	---	---	---	---	---	---	---	---	---	702	698	700
8	---	---	---	---	---	---	---	---	---	700	694	697
9	---	---	---	---	---	---	---	---	---	703	694	699
10	---	---	---	---	---	---	---	---	---	701	695	697
11	---	---	---	---	---	---	---	---	---	703	697	700
12	---	---	---	---	---	---	---	---	---	702	699	700
13	---	---	---	---	---	---	---	---	---	701	697	699
14	---	---	---	---	---	---	---	---	---	701	697	699
15	---	---	---	---	---	---	---	---	---	702	692	699
16	---	---	---	---	---	---	---	---	---	701	695	699
17	---	---	---	---	---	---	---	---	---	700	695	699
18	---	---	---	---	---	---	700	693	696	701	697	699
19	---	---	---	---	---	---	699	693	695	700	694	698
20	---	---	---	---	---	---	701	697	699	699	694	698
21	---	---	---	---	---	---	699	697	698	700	699	700
22	---	---	---	---	---	---	701	699	699	700	695	698
23	---	---	---	---	---	---	702	699	700	697	695	696
24	---	---	---	---	---	---	702	694	699	698	693	695
25	---	---	---	---	---	---	699	695	697	699	697	698
26	---	---	---	---	---	---	699	696	697	699	692	695
27	---	---	---	---	---	---	697	681	690	692	690	691
28	---	---	---	---	---	---	700	694	698	691	688	690
29	---	---	---	---	---	---	700	690	694	688	679	685
30	---	---	---	---	---	---	699	694	696	680	671	677
31	---	---	---	---	---	---	---	---	---	682	675	677
MONTH	---	---	---	---	---	---	702	681	697	703	671	696

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	682	681	681	677	668	669	689	686	687	702	700	701
2	681	673	677	671	667	669	689	685	687	703	700	702
3	679	676	678	671	668	669	689	686	688	703	699	701
4	679	672	676	672	668	670	698	686	693	700	696	699
5	679	671	675	672	669	671	697	688	694	704	696	700
6	678	676	677	673	671	671	696	688	692	705	701	704
7	681	676	679	673	669	670	698	688	694	704	701	703
8	680	675	677	675	670	671	698	691	694	705	702	703
9	678	673	675	676	674	675	695	689	693	705	700	703
10	677	673	675	684	676	681	696	691	694	703	699	701
11	674	669	671	685	680	683	697	693	696	706	699	702
12	675	673	674	685	676	679	699	695	697	707	704	705
13	673	672	672	678	674	676	700	699	699	705	702	703
14	675	672	673	676	672	674	702	695	700	705	701	703
15	677	671	674	676	673	674	698	695	696	705	703	704
16	677	673	675	676	673	674	703	697	701	706	703	704
17	675	667	672	678	674	675	703	701	702	706	699	702
18	673	669	671	678	676	676	702	700	701	704	699	701
19	673	671	672	680	676	679	703	697	701	701	698	700
20	674	671	673	682	679	680	699	697	698	701	698	699
21	683	672	676	682	679	680	701	698	700	700	696	698
22	683	673	677	681	677	679	699	698	698	698	695	696
23	678	675	677	680	678	678	699	696	697	696	694	695
24	676	674	675	680	678	679	699	698	698	697	695	696
25	676	672	674	683	678	680	699	698	699	697	689	693
26	676	669	673	683	680	681	700	699	700	692	690	691
27	678	669	673	684	682	683	700	699	699	696	691	694
28	678	670	673	686	683	684	701	699	700	695	693	694
29	676	672	675	687	685	686	705	699	703	695	692	693
30	677	673	675	688	684	685	703	699	701	696	693	694
31	---	---	---	689	684	686	702	699	700	---	---	---
MONTH	683	667	675	689	667	677	705	685	697	707	689	699

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	5.8	5.7	5.7
2	---	---	---	---	---	---	---	---	---	5.7	5.6	5.6
3	---	---	---	---	---	---	---	---	---	5.6	5.5	5.5
4	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
5	---	---	---	---	---	---	---	---	---	5.5	5.4	5.4
6	---	---	---	---	---	---	---	---	---	5.4	5.3	5.3
7	---	---	---	---	---	---	---	---	---	5.3	5.3	5.3
8	---	---	---	---	---	---	---	---	---	5.3	5.2	5.2
9	---	---	---	---	---	---	---	---	---	5.2	5.2	5.2
10	---	---	---	---	---	---	---	---	---	5.2	5.2	5.2
11	---	---	---	---	---	---	---	---	---	5.2	5.1	5.2
12	---	---	---	---	---	---	---	---	---	5.2	5.1	5.1
13	---	---	---	---	---	---	---	---	---	5.1	5.1	5.1
14	---	---	---	---	---	---	---	---	---	5.1	5.0	5.1
15	---	---	---	---	---	---	7.0	6.8	6.9	5.0	5.0	5.0
16	---	---	---	---	---	---	6.9	6.8	6.8	5.0	5.0	5.0
17	---	---	---	---	---	---	6.8	6.8	6.8	5.0	4.8	4.9
18	---	---	---	---	---	---	6.8	6.6	6.7	4.8	4.7	4.8
19	---	---	---	---	---	---	6.7	6.6	6.6	4.8	4.7	4.7
20	---	---	---	---	---	---	6.6	6.5	6.5	4.7	4.6	4.7
21	---	---	---	---	---	---	6.5	6.5	6.5	4.7	4.6	4.6
22	---	---	---	---	---	---	6.5	6.4	6.4	4.6	4.5	4.5
23	---	---	---	---	---	---	6.4	6.3	6.3	4.5	4.4	4.5
24	---	---	---	---	---	---	6.3	6.2	6.2	4.4	4.4	4.4
25	---	---	---	---	---	---	6.2	6.1	6.1	4.4	4.3	4.3
26	---	---	---	---	---	---	6.1	6.0	6.0	4.3	4.2	4.2
27	---	---	---	---	---	---	6.0	5.9	6.0	4.2	4.1	4.2
28	---	---	---	---	---	---	5.9	5.9	5.9	4.1	4.0	4.1
29	---	---	---	---	---	---	5.9	5.9	5.9	4.0	4.0	4.0
30	---	---	---	---	---	---	5.9	5.8	5.8	4.0	3.9	4.0
31	---	---	---	---	---	---	5.8	5.8	5.8	---	---	---
MONTH	---	---	---	---	---	---	7.0	5.8	6.3	5.8	3.9	4.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	6.0	5.8	5.9
2	---	---	---	---	---	---	---	---	---	6.0	5.7	5.8
3	---	---	---	---	---	---	---	---	---	5.9	5.7	5.8
4	---	---	---	---	---	---	---	---	---	6.0	5.6	5.8
5	---	---	---	---	---	---	---	---	---	6.2	5.7	5.9
6	---	---	---	---	---	---	---	---	---	6.3	6.0	6.1
7	---	---	---	---	---	---	---	---	---	6.1	6.0	6.0
8	---	---	---	---	---	---	---	---	---	6.5	6.0	6.2
9	---	---	---	---	---	---	---	---	---	6.5	6.2	6.3
10	---	---	---	---	---	---	---	---	---	6.3	6.0	6.2
11	---	---	---	---	---	---	---	---	---	7.3	6.2	6.6
12	---	---	---	---	---	---	---	---	---	6.8	6.5	6.6
13	---	---	---	---	---	---	---	---	---	7.6	6.5	6.9
14	---	---	---	---	---	---	---	---	---	7.2	6.9	7.1
15	---	---	---	---	---	---	---	---	---	7.9	6.9	7.3
16	---	---	---	---	---	---	---	---	---	8.0	6.9	7.2
17	---	---	---	---	---	---	---	---	---	8.0	7.3	7.6
18	---	---	---	---	---	---	5.5	5.1	5.3	8.1	7.6	7.8
19	---	---	---	---	---	---	5.5	5.2	5.3	8.1	7.2	7.5
20	---	---	---	---	---	---	5.2	5.1	5.1	8.1	7.7	7.9
21	---	---	---	---	---	---	5.3	5.1	5.1	7.7	7.5	7.5
22	---	---	---	---	---	---	5.3	5.1	5.2	8.4	7.4	7.7
23	---	---	---	---	---	---	5.2	5.1	5.2	8.4	7.8	8.0
24	---	---	---	---	---	---	6.0	5.2	5.5	8.0	7.0	7.7
25	---	---	---	---	---	---	6.1	5.7	5.9	7.4	6.6	7.0
26	---	---	---	---	---	---	5.8	5.6	5.7	7.9	6.6	7.1
27	---	---	---	---	---	---	6.0	5.6	5.8	8.2	7.8	7.9
28	---	---	---	---	---	---	5.8	5.5	5.6	8.3	7.8	8.1
29	---	---	---	---	---	---	6.0	5.4	5.7	8.4	7.8	8.2
30	---	---	---	---	---	---	6.1	5.9	6.0	9.4	8.4	8.8
31	---	---	---	---	---	---	---	---	---	9.0	8.8	8.9
MONTH	---	---	---	---	---	---	6.1	5.1	5.5	9.4	5.6	7.1

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.3	8.7	9.0	13.1	11.5	12.6	12.0	11.5	11.8	13.0	12.5	12.7
2	9.3	9.0	9.1	13.6	12.9	13.3	12.6	11.6	12.1	12.8	12.3	12.5
3	9.4	9.0	9.2	13.4	12.7	13.1	12.7	11.7	12.0	13.8	12.3	12.7
4	10.6	9.2	9.7	13.6	12.7	13.2	12.7	10.3	11.1	14.8	13.0	13.6
5	11.2	9.8	10.4	13.3	12.7	13.0	12.4	10.4	11.0	14.8	12.0	13.2
6	10.6	10.0	10.2	13.2	12.8	13.0	12.5	10.9	11.7	13.1	11.8	12.2
7	10.2	9.6	9.8	13.5	12.8	13.2	12.5	10.4	11.3	12.7	11.6	11.9
8	10.0	9.8	9.9	13.3	12.6	13.0	12.0	10.4	11.4	12.4	12.1	12.2
9	10.2	9.9	10.1	12.8	12.2	12.5	12.6	11.1	11.9	13.5	12.1	12.5
10	10.4	10.1	10.2	12.4	11.0	11.6	13.0	10.9	11.9	13.6	12.3	12.9
11	10.5	10.1	10.4	12.2	10.6	11.5	12.2	10.9	11.5	13.5	11.1	12.5
12	10.3	9.7	10.0	13.2	11.0	12.3	11.7	10.9	11.4	12.0	11.1	11.6
13	10.4	9.7	10.0	13.6	12.4	13.0	11.7	11.1	11.4	12.4	11.6	12.0
14	10.7	9.9	10.2	13.6	12.9	13.2	12.6	11.0	11.4	13.4	11.2	12.2
15	10.5	9.3	10.2	13.6	12.6	13.1	12.6	11.9	12.4	12.0	11.2	11.7
16	10.4	9.3	9.9	13.4	13.0	13.2	12.6	10.8	11.5	12.2	11.2	11.7
17	11.6	10.2	10.7	13.2	12.3	12.7	11.3	10.8	11.0	13.1	11.2	12.0
18	11.2	10.9	11.0	12.8	12.3	12.6	11.4	11.3	11.3	12.3	11.4	11.9
19	11.5	11.1	11.3	12.9	12.4	12.6	12.4	10.9	11.5	12.3	11.9	12.0
20	11.7	10.9	11.2	12.4	11.9	12.1	12.7	12.0	12.3	12.5	11.9	12.2
21	11.3	9.6	10.8	12.3	11.5	12.1	12.4	11.8	12.1	12.7	12.1	12.4
22	11.7	9.6	10.7	12.9	11.7	12.5	12.5	12.0	12.3	12.9	12.2	12.6
23	11.3	10.8	11.1	13.3	12.4	12.8	12.8	12.1	12.6	13.0	12.7	12.8
24	11.4	11.2	11.3	13.2	12.5	12.8	13.2	12.1	13.0	13.0	12.6	12.8
25	11.7	11.3	11.5	13.0	12.4	12.8	13.4	13.0	13.1	14.1	12.6	13.3
26	12.0	11.4	11.7	13.0	12.2	12.6	13.1	12.8	12.9	13.6	13.2	13.4
27	12.0	10.8	11.4	12.6	11.9	12.3	13.1	12.6	12.8	13.2	12.3	12.5
28	12.1	10.8	11.5	12.3	12.0	12.1	13.1	12.6	12.9	12.8	12.3	12.6
29	12.1	11.5	11.7	12.0	11.6	11.8	13.0	11.4	12.1	12.7	12.2	12.4
30	11.9	11.5	11.7	12.4	11.4	11.9	13.2	11.8	12.4	12.4	12.0	12.2
31	---	---	---	12.8	11.3	12.1	13.6	12.4	12.9	---	---	---
MONTH	12.1	8.7	10.5	13.6	10.6	12.6	13.6	10.3	12.0	14.8	11.1	12.4

09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in $NE^1/_4SW^1/_4SE^1/_4$ 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 mi^2, approximately, including about 4,260 mi^2, which probably is noncontributing. This noncontributing area includes 3,959 mi^2 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 sea level, 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 good except for estimated daily discharges, which are fair. 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 ft^3/s May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft^3/s Dec. 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,400 ft^3/s May 20, gage height, 10.51 ft; minimum discharge, 1,640 ft^3/s Aug. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1860	2150	3690	3570	2750	3360	4800	8410	13400	6800	2090	1920
2	1900	2570	3760	2980	e2630	3300	5120	8260	13100	5970	2260	1910
3	2190	2990	3880	2700	e2570	3290	5750	8530	12900	5500	2260	1910
4	2200	3390	3970	2700	e2500	3280	6630	9390	12700	5040	2160	1890
5	2160	3310	3980	2720	e2580	3370	7260	10000	13000	4710	2080	1890
6	2090	3190	3930	2710	e2600	3460	7120	10900	13600	4450	2020	1910
7	2100	3110	3850	2530	e2640	3520	6920	12100	14300	4320	2000	2180
8	2180	3080	3850	2770	e2630	3550	7030	13900	15100	4330	2020	2230
9	2150	2800	3820	2650	e2700	3510	7500	14700	14700	3970	1990	2240
10	2130	3240	3810	2690	e2670	3490	8280	14700	14400	3660	1930	2060
11	2090	3230	3800	2700	e2630	3670	9860	16100	14600	3400	1890	1970
12	2070	3220	3760	2710	e2710	3850	10800	16200	14600	3180	1890	1980
13	2050	3280	3780	2700	e2790	4230	11500	15900	14500	2980	1870	2000
14	2040	3220	3770	2680	2770	4620	10500	17000	14100	2820	2010	2010
15	2040	3200	3750	2720	2800	4870	9650	17700	13500	2680	2020	2100
16	2100	3270	3770	2730	2790	4830	8350	18500	13100	2560	2000	2160
17	2100	3410	3810	2780	2790	5060	7820	19200	12300	2520	2000	2100
18	2040	3580	3680	2790	2820	4910	8010	20100	11700	2460	1990	2080
19	2010	3530	3430	2750	2860	4590	8610	21600	11600	2330	1980	2070
20	1990	3470	3370	2740	2960	4120	8170	22000	11300	2280	1980	2090
21	1970	3400	3340	2740	3060	3840	7950	20400	11100	2300	1970	2040
22	1990	3350	3400	2750	3200	3750	7280	18000	11200	2350	1940	2060
23	2000	3370	3420	2740	3540	3800	6790	15900	12600	2240	1880	2120
24	1970	3570	3340	2710	4130	4200	6190	15300	13300	2120	1890	2100
25	1960	3560	3320	2750	4240	4950	6380	15100	11700	2060	1900	2080
26	1970	3580	3310	2750	3890	5150	8360	14600	10400	2020	1930	2040
27	1940	3620	3430	2780	3750	4570	11000	15600	9420	1940	1910	2120
28	1890	3560	3660	2820	3510	4240	10300	17000	8700	1930	1920	2140
29	1920	3540	3720	2820	3400	4110	9930	15000	8150	1910	1960	2160
30	2130	3550	3400	2800	---	4030	9400	14300	7350	1980	1950	2220
31	2020	---	3550	2770	---	4300	---	13600	---	1970	1940	---
TOTAL	63250	98340	113350	85750	86910	125820	243260	469990	372420	98780	61630	61780
MEAN	2040	3278	3656	2766	2997	4059	8109	15160	12410	3186	1988	2059
MAX	2200	3620	3980	3570	4240	5150	11500	22000	15100	6800	2260	2240
MIN	1860	2150	3310	2530	2500	3280	4800	8260	7350	1910	1870	1890
AC-FT	125500	195100	224800	170100	172400	249600	482500	932200	738700	195900	122200	122500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1996, BY WATER YEAR (WY)

MEAN	2116	2179	2161	2115	2334	2972	5588	11280	11560	4812	2485	1909
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1947 - 1996	
ANNUAL TOTAL	1753920		1881280			
ANNUAL MEAN	4805		5140		4296	
HIGHEST ANNUAL MEAN					7784	1984
LOWEST ANNUAL MEAN					1458	1963
HIGHEST DAILY MEAN	18600	Jun 8	22000	May 20	38500	May 18 1984
LOWEST DAILY MEAN	1460	Feb 20	1860	Oct 1	260	Aug 2 1963
ANNUAL SEVEN-DAY MINIMUM	1550	Feb 16	1910	Aug 22	276	Jul 29 1963
ANNUAL RUNOFF (AC-FT)	3479000		3732000		3112000	
10 PERCENT EXCEEDS	14500		13200		10600	
50 PERCENT EXCEEDS	2550		3310		2690	
90 PERCENT EXCEEDS	1680		1980		1070	

e Estimated

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

WATER-QUALITY RECORDS

LOCATION.--Daily specific conductance and temperature data collected at bridge on Utah Highway 149, 0.1 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, 790 microsiemens Dec. 28-30, Feb. 3; minimum daily, 290 microsiemens May 20.

WATER TEMPERATURES: Maximum daily, 24.5°C July 22-24; minimum daily, 0.0°C Feb. 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT 04...	1530	2020	650	8.5	10.5	11.0
APR 03...	1600	5680	740	8.4	16.5	10.0
MAY 16...	1510	18800	320	8.1	29.5	15.0
JUL 10...	1600	3600	400	8.4	29.5	22.0
AUG 21...	1700	1780	670	8.5	25.5	22.0

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT 04...	1530	<1
APR 03...	1600	4
MAY 16...	1510	<1
JUL 10...	1600	<1
AUG 21...	1700	<1

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	720	710	780	760	770	780	485	390	365	---	---
2	---	700	710	780	770	770	770	510	380	350	---	710
3	---	690	720	780	790	760	---	530	380	345	---	---
4	---	680	710	770	770	760	---	550	370	340	---	710
5	---	690	720	770	770	750	---	530	365	---	---	700
6	---	700	720	770	760	740	---	495	350	---	---	700
7	---	690	710	780	750	750	---	435	340	---	---	690
8	---	690	720	770	750	760	---	410	320	---	---	710
9	---	690	720	770	750	750	---	390	320	---	---	700
10	---	---	720	760	740	720	---	380	320	---	---	700
11	---	690	720	760	740	---	---	365	---	465	---	700
12	600	690	720	760	750	740	---	365	320	460	---	700
13	620	690	730	760	750	740	---	360	320	465	660	---
14	620	---	740	760	---	740	500	360	325	480	660	700
15	630	690	740	760	---	740	540	335	---	495	670	---
16	610	---	740	750	750	730	550	320	---	500	670	700
17	630	---	740	750	740	700	590	310	---	500	670	700
18	640	680	750	760	740	720	610	300	---	590	680	700
19	650	670	760	770	740	---	600	295	---	620	680	710
20	650	670	760	770	720	---	560	290	---	590	680	710
21	650	670	770	770	720	730	590	295	---	520	680	---
22	660	680	770	760	700	---	590	310	---	480	680	---
23	660	690	780	760	---	760	600	345	---	495	680	---
24	660	---	780	770	---	770	610	350	---	560	690	---
25	660	---	---	---	690	---	630	355	---	570	---	---
26	660	700	---	---	710	---	490	355	395	570	---	---
27	670	710	---	780	730	760	480	360	395	---	690	---
28	670	710	790	780	740	---	450	365	385	600	690	---
29	670	710	790	770	750	---	460	370	375	---	690	---
30	650	710	790	760	---	---	460	375	380	---	690	690
31	680	---	780	750	---	760	---	400	---	---	700	---
MEAN	647	692	743	767	743	746	572	384	357	493	680	702

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	9.5	7.0	4.0	2.0	3.0	10.5	11.5	15.0	22.0	23.0	---
2	8.5	7.5	6.5	2.5	.5	3.0	9.5	12.0	15.5	23.0	23.0	18.5
3	8.5	6.5	6.5	2.0	.0	3.5	---	11.0	17.0	23.0	22.5	---
4	8.5	6.5	6.5	2.5	.5	4.5	---	11.0	17.5	24.0	22.0	19.0
5	---	7.0	6.5	3.5	.5	5.0	---	12.0	17.5	---	21.5	18.5
6	---	7.0	6.5	2.0	2.5	5.0	---	13.0	17.5	---	20.0	18.5
7	---	7.5	6.5	2.0	4.0	4.0	---	12.5	18.0	---	19.5	18.0
8	---	7.5	6.0	2.0	5.0	4.0	---	12.5	17.5	---	19.5	18.5
9	---	8.0	6.0	2.0	5.0	3.5	---	13.0	17.0	---	20.5	18.0
10	---	---	5.0	3.0	4.5	5.5	---	13.0	17.0	---	21.5	17.5
11	---	7.5	6.5	3.5	4.0	---	---	13.0	---	21.5	---	18.0
12	12.5	6.5	6.0	3.0	3.5	6.0	---	14.0	17.0	22.5	---	18.5
13	10.5	7.5	6.0	1.5	2.0	6.0	---	14.5	17.5	22.5	21.5	---
14	9.5	---	5.5	2.0	---	6.0	7.0	15.0	18.0	23.0	21.5	18.0
15	9.5	8.5	5.0	2.0	---	6.0	9.0	15.0	---	23.5	21.5	---
16	11.0	---	4.5	2.5	5.5	7.0	10.0	15.0	---	22.5	21.5	14.5
17	11.5	---	4.5	2.0	5.5	6.0	9.0	15.0	---	23.0	21.5	14.0
18	11.5	7.5	4.0	.5	4.0	6.5	9.5	14.5	---	23.0	20.5	14.5
19	11.0	7.5	3.5	.5	4.0	---	8.0	13.0	---	23.5	20.5	14.0
20	10.5	8.0	3.5	.5	4.5	---	7.0	13.5	---	23.5	21.0	14.0
21	9.5	7.5	3.0	1.0	4.5	8.5	7.5	13.5	---	23.5	21.0	---
22	7.5	7.0	3.5	2.0	5.0	---	9.0	12.5	---	24.5	21.0	---
23	7.0	7.5	3.0	2.5	---	8.5	10.5	12.5	---	24.5	21.0	---
24	6.0	---	2.0	1.0	---	6.5	12.0	12.0	---	24.5	19.0	---
25	6.5	---	---	---	3.5	---	13.0	12.0	---	23.5	---	---
26	7.5	6.5	---	---	2.5	---	11.5	12.0	18.0	23.5	---	---
27	7.5	6.0	---	.5	3.0	6.5	11.5	12.5	17.5	23.5	20.5	---
28	7.5	5.0	1.5	.5	3.5	---	10.0	13.0	19.5	22.5	20.5	---
29	8.0	5.0	2.5	1.0	3.0	---	9.0	13.5	20.0	23.5	20.5	---
30	9.0	6.0	3.5	2.0	---	---	10.5	15.0	20.0	23.5	20.0	14.5
31	9.5	---	4.0	3.0	---	9.0	---	14.5	---	23.0	19.0	---
MEAN	9.0	7.1	4.8	2.0	3.3	5.6	9.7	13.1	17.6	23.2	20.9	16.9

09261000 GREEN RIVER NEAR JENSEN, UTAH--CONTINUED

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
APR										
30...	1610	9580	--	545	14100	48	61	85	100	--
MAY										
07...	1150	12000	12.0	568	18400	73	85	100	100	100
07...	1455	12000	12.0	679	22000	63	68	100	--	--
07...	1500	12000	12.0	753	24400	58	64	88	100	--
07...	1505	12000	12.0	616	20000	69	75	91	100	--
07...	1510	12000	12.0	1230	39900	35	44	68	98	100
07...	1515	12000	12.0	797	25800	54	65	85	100	--
07...	1556	12000	12.0	1040	33700	42	53	75	100	100
10...	1231	14900	12.0	892	35900	47	59	74	94	100
10...	1814	14900	12.0	592	23800	71	81	100	--	--
10...	1820	14900	12.0	701	28200	59	73	89	100	--
10...	1823	14900	12.0	1000	40200	42	55	78	100	--
10...	1826	14900	12.0	933	37500	46	58	80	100	--
10...	1833	14900	12.0	776	31200	55	61	85	100	100
10...	1844	14900	12.0	662	26600	67	76	96	100	--
16...	1515	18500	15.0	657	32800	61	76	91	100	--
20...	1820	22000	12.5	546	32400	74	81	100	--	--
20...	1823	22000	12.5	586	34800	68	71	95	100	--
20...	1826	22000	12.5	650	38600	62	73	92	100	--
20...	1830	22000	12.5	805	47800	53	57	81	100	--
20...	1832	22000	12.5	959	57000	43	50	63	95	100
20...	1834	22000	12.5	620	36800	64	70	92	100	--
20...	1838	22000	12.5	684	40600	62	72	93	100	--
23...	1300	16000	12.0	466	20100	48	66	85	100	--
JUN										
03...	1640	12800	17.0	192	6640	69	85	100	--	--
03...	1645	12800	17.0	206	7120	65	77	100	--	--
03...	1650	12800	17.0	256	8850	54	64	97	100	--
03...	1655	12800	17.0	315	10900	44	52	85	100	--
03...	1700	12800	17.0	146	5050	38	46	69	100	--
03...	1705	12800	17.0	263	9090	53	59	88	100	--
03...	1710	12800	17.0	252	8710	56	65	91	100	--
27...	0730	9380	16.0	234	5930	49	67	89	100	--
JUL										
01...	1316	6610	20.0	170	3030	52	70	93	100	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, NST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
MAY												
07...	1140	12000	12.0	1	3	16	70	95	99	99	100	100
10...	1700	14900	12.0	0	1	3	46	82	97	99	--	100
16...	1700	18500	15.0	0	1	3	52	87	97	99	100	--
20...	1700	22000	12.5	0	1	3	48	86	97	99	100	--
23...	1009	16000	12.0	0	1	4	66	91	98	99	100	--
JUN												
03...	1500	12800	16.5	0	0	1	55	86	95	97	98	100
27...	0945	9380	16.0	0	2	4	69	91	97	98	100	--
JUL												
01...	1420	6610	20.0	0	0	2	64	95	99	100	100	--
AUG												
13...	0900	1770	22.5	0	0	1	68	94	99	100	--	--

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

LOCATION.--Lat 40°35'20", long 109°27'53", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ 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.--72.2 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,625 ft above sea level, 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 fair. 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 ft$^3/_s$ June 2, 1983, gage height, 2.40 ft; maximum gage height, 3.06 ft May 23, 1980 at different datum; minimum daily, 7.6 ft$^3/_s$ Feb. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 166 ft$^3/_s$ June 4, gage height, 1.56 ft; minimum daily discharge, 11 ft$^3/_s$ Dec. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	18	15	e12	15	16	16	50	154	32	e35	19
2	26	17	14	e13	16	14	16	53	143	32	e35	19
3	25	17	14	e13	e15	14	16	69	154	31	e34	19
4	25	17	14	12	e15	14	17	66	163	32	e34	18
5	24	16	14	13	14	15	18	79	157	33	e33	18
6	24	16	14	12	14	14	17	106	147	36	e33	18
7	24	16	15	12	14	15	18	116	129	38	e32	18
8	24	16	15	12	15	16	19	110	114	31	e32	18
9	24	16	15	12	16	15	21	104	105	31	31	18
10	24	18	14	13	15	14	28	97	96	30	31	17
11	23	16	14	13	14	14	38	93	95	38	31	17
12	23	15	13	16	14	15	40	106	76	42	30	18
13	23	16	14	14	14	16	38	138	66	46	30	18
14	23	16	15	14	14	16	35	155	59	46	29	17
15	23	16	e14	14	15	16	34	152	56	46	29	17
16	23	16	e13	14	15	16	36	151	51	46	29	17
17	23	17	e11	14	14	16	38	152	47	45	28	18
18	23	15	e14	15	15	16	36	126	46	45	28	17
19	24	15	e12	15	14	16	35	99	44	44	28	17
20	24	15	e13	14	15	16	32	87	43	43	27	17
21	24	14	e14	14	15	16	31	75	49	43	26	18
22	24	15	e13	14	16	16	30	72	52	42	25	18
23	24	16	e14	14	16	17	28	75	48	41	25	19
24	23	15	e14	14	14	16	29	71	43	40	24	18
25	23	14	e13	14	14	16	40	72	39	40	24	16
26	22	14	e12	e15	15	16	49	83	38	41	23	16
27	21	14	e12	e14	14	16	61	109	43	41	22	16
28	19	14	e12	14	14	16	62	135	46	38	22	17
29	18	14	e13	18	16	17	50	145	41	e37	21	18
30	18	15	e12	14	---	16	46	148	34	e37	20	18
31	18	---	e11	14	---	16	---	156	---	e36	19	---
TOTAL	712	469	417	426	427	482	974	3250	2378	1203	870	529
MEAN	23.0	15.6	13.5	13.7	14.7	15.5	32.5	105	79.3	38.8	28.1	17.6
MAX	26	18	15	18	16	17	62	156	163	46	35	19
MIN	18	14	11	12	14	14	16	50	34	30	19	16
AC-FT	1410	930	827	845	847	956	1930	6450	4720	2390	1730	1050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

MEAN	21.8	18.0	15.6	14.7	14.2	15.5	47.3	142	117	47.7	33.7	23.9
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	10.2	10.1	10.6	10.8	17.7	50.8	26.8	25.9	20.3	15.7
(WY)	1990	1991	1993	1993	1993	1982	1982	1989	1989	1989	1989	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	22897		12137			
ANNUAL MEAN	62.7		33.2		42.7	
HIGHEST ANNUAL MEAN					64.5	1983
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	334	Jun 18	163	Jun 4	336	Jun 24 1983
LOWEST DAILY MEAN	11	Dec 17	11	Dec 17	7.6	Feb 10 1992
ANNUAL SEVEN-DAY MINIMUM	12	Dec 25	12	Dec 26	8.8	Feb 7 1994
ANNUAL RUNOFF (AC-FT)	45420		24070		30960	
10 PERCENT EXCEEDS	252		73		96	
50 PERCENT EXCEEDS	25		18		22	
90 PERCENT EXCEEDS	14		14		12	

e Estimated

09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in $NE^1/_4NW^1/_4NE^1/4$ 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 mi^2.

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 sea level. Prior to Nov. 14, 1917, nonrecording 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.-- Records fair except fo estimated daily discharges, which are poor. 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 $ft^3/_s$, 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 $ft^3/_s$ and the return flow entered Ashley Creek 0.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 $ft^3/_s$ June 15, 1995, gage height, 5.64 ft from highwater mark; maximum gage height, 6.09 ft June 16, 1929, datum then in use; minimum, 3.2 $ft^3/_s$ Mar. 16, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 12	2100	*870	*3.65				

Minimum daily discharge, 12.0 $ft^3/_s$ Feb.10,12, Mar. 28, 30, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	e54	e35	e25	e18	14	13	59	303	112	75	62
2	73	e57	e37	e23	e19	14	15	65	330	123	81	61
3	71	e52	e33	e24	e19	15	14	97	353	123	78	61
4	72	e52	e33	e24	e18	14	15	111	371	127	73	61
5	68	e50	e30	e24	e18	14	13	133	402	132	70	60
6	68	e51	e31	e24	e16	14	13	184	359	172	66	61
7	68	e49	e35	e23	e16	14	13	289	303	159	73	60
8	67	e48	e37	e23	e15	14	15	266	277	151	70	63
9	66	e50	e37	e23	e14	14	19	215	243	151	63	62
10	64	e47	e35	e23	e12	14	22	188	230	149	60	61
11	63	e49	e35	e23	e15	15	28	240	210	138	62	62
12	62	e46	e35	e22	e12	15	29	456	194	e129	62	66
13	62	e43	e33	e22	e13	16	29	553	188	e119	61	68
14	59	e40	e30	e22	e14	15	26	501	174	127	61	68
15	60	e39	e29	e21	15	15	25	487	161	122	60	67
16	58	e37	e27	e21	14	15	25	551	154	124	60	66
17	58	e38	e31	e21	13	15	26	487	149	128	57	72
18	56	e40	e34	e22	14	15	25	401	146	124	58	73
19	61	e36	e34	e20	13	15	21	294	142	116	58	69
20	62	e36	e29	e20	15	14	22	226	137	108	53	69
21	61	e38	e29	e21	14	16	20	196	151	104	55	68
22	64	e39	e26	e20	15	16	18	206	176	95	48	59
23	61	e38	e26	e20	13	18	17	218	148	85	47	60
24	64	e37	e26	e19	14	15	18	199	133	73	48	60
25	62	e37	e25	e20	14	16	22	204	123	70	49	56
26	e58	e39	e28	e20	15	14	31	220	117	70	48	55
27	e59	e36	e28	e20	16	15	47	248	140	67	49	47
28	e59	e38	e30	e19	15	12	60	427	161	67	50	38
29	e58	e35	e31	e19	14	16	65	415	141	69	58	36
30	e56	e33	e27	e19	---	12	62	464	122	76	62	34
31	e51	---	e27	e19	---	12	---	374	---	72	63	---
TOTAL	1946	1284	963	666	433	453	768	8974	6238	3482	1878	1805
MEAN	62.8	42.8	31.1	21.5	14.9	14.6	25.6	289	208	112	60.6	60.2
MAX	75	57	37	25	19	18	65	553	402	172	81	73
MIN	51	33	25	19	12	12	13	59	117	67	47	34
AC-FT	3860	2550	1910	1320	859	899	1520	17800	12370	6910	3730	3580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1919-96, BY WATER YEAR (WY)

MEAN	53.8	38.6	28.9	24.2	21.4	20.4	49.6	339	327	128	83.5	67.2
MAX	154	104	64.2	45.0	40.0	43.3	162	739	1051	360	161	230
(WY)	1942	1942	1942	1928	1928	1916	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915-17, 1919-96	
ANNUAL TOTAL	60981		28890			
ANNUAL MEAN	167		78.9		98.8	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	2530	Jun 15	553	May 13	2530	Jun 15 1995
LOWEST DAILY MEAN	15	Mar 7	12	Feb 10	3.5	Jan 3 1977
ANNUAL SEVEN-DAY MINIMUM	16	Feb15	13	Mar 26	3.8	Dec 31 1976
ANNUAL RUNOFF (AC-FT)	121000		57300		71550	
10 PERCENT EXCEEDS	465		190		229	
50 PERCENT EXCEEDS	60		50		43	
90 PERCENT EXCEEDS	17		15		14	

e Estimated

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 sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. 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, 46 ft^3/s July 19, 1995; no flow for extended periods each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	---	---	---	---	---	---	---	e25	25	.00	5.4
2	9.4	---	---	---	---	---	---	---	e26	24	.00	28
3	---	---	---	---	---	---	---	---	e26	23	.00	27
4	---	---	---	---	---	---	---	---	e27	21	.00	25
5	---	---	---	---	---	---	---	---	e28	21	.00	24
6	---	---	---	---	---	---	---	---	30	21	11	23
7	---	---	---	---	---	---	---	---	36	21	16	21
8	---	---	---	---	---	---	---	---	38	21	22	16
9	---	---	---	---	---	---	---	---	36	21	22	6.9
10	---	---	---	---	---	---	---	---	36	22	22	6.3
11	---	---	---	---	---	---	---	---	34	21	23	9.4
12	---	---	---	---	---	---	---	---	34	21	24	17
13	---	---	---	---	---	---	---	---	34	21	24	14
14	---	---	---	---	---	---	---	---	33	21	24	12
15	---	---	---	---	---	---	---	---	32	21	22	12
16	---	---	---	---	---	---	---	---	32	21	15	11
17	---	---	---	---	---	---	---	---	30	22	.02	16
18	---	---	---	---	---	---	---	---	29	22	.00	15
19	---	---	---	---	---	---	---	---	29	21	.00	13
20	---	---	---	---	---	---	---	---	28	21	.00	12
21	---	---	---	---	---	---	---	---	26	21	.00	13
22	---	---	---	---	---	---	---	---	26	20	.00	16
23	---	---	---	---	---	---	---	---	28	21	.00	16
24	---	---	---	---	---	---	---	---	28	23	.00	15
25	---	---	---	---	---	---	---	---	27	22	.00	12
26	---	---	---	---	---	---	---	---	27	22	.00	12
27	---	---	---	---	---	---	---	---	26	21	.00	12
28	---	---	---	---	---	---	---	---	27	20	.00	11
29	---	---	---	---	---	---	---	---	27	20	.00	11
30	---	---	---	---	---	---	---	---	25	10	.00	11
31	---	---	---	---	---	---	---	---	---	.03	.00	---
TOTAL	---	---	---	---	---	---	---	---	890	632.03	225.02	443.0
MEAN	---	---	---	---	---	---	---	---	29.7	20.4	7.26	14.8
MAX	---	---	---	---	---	---	---	---	38	25	24	28
MIN	---	---	---	---	---	---	---	---	25	.03	.00	5.4
AC-FT	---	---	---	---	---	---	---	---	1770	1250	446	879

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

LOCATION.--Lat 40°21'29", long 109°23'13", in $NW^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair except for estimated daily discharges and daily discharges below 1.0 $ft^3/_s$, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 $ft^3/_s$ June 16, 1995, gage height, 6.34 ft from high water mark, and rating curve extended above 1,800 $ft^3/_s$; minimum daily discharge, 0.03 $ft^3/_s$ Aug. 7, 26, 27, 30, 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 328 $ft^3/_s$ June 5, gage height, 4.13 ft from high water mark, minimum discharge, 0.80$ft^3/_s$ May 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	45	e23	e16	e12	e12	8.7	1.2	34	10	2.1	3.3
2	34	37	e25	e14	e10	e13	8.5	1.1	31	8.4	2.1	4.3
3	29	32	e25	e15	e9.1	e15	8.6	1.2	87	7.6	2.5	5.2
4	32	34	e27	e15	e8.8	e17	7.9	1.1	147	5.4	3.0	5.2
5	27	34	27	e13	e8.5	e16	8.2	1.1	231	5.9	3.1	4.7
6	22	34	28	e12	e8.9	e15	7.6	.91	209	8.5	2.9	4.3
7	23	34	28	e13	e10	e16	8.0	3.9	157	10	2.2	4.8
8	25	30	27	e13	e12	e14	8.5	6.0	101	15	2.4	5.1
9	24	28	27	e15	e14	e15	6.6	3.3	73	9.9	4.9	4.5
10	27	30	28	e16	e17	e14	4.2	5.4	57	17	5.5	3.2
11	26	28	28	e14	e19	e14	4.9	6.7	36	25	3.2	3.3
12	25	28	e29	e13	e22	e15	5.3	6.1	33	16	2.9	3.6
13	24	29	e31	e13	e24	e16	6.1	14	21	6.2	1.9	4.8
14	28	34	e28	e14	e23	e15	5.6	5.3	18	6.7	1.7	5.6
15	32	30	e26	e17	e22	e13	4.2	3.1	16	7.0	2.2	6.5
16	32	29	e24	e14	e19	e11	4.4	3.3	12	4.9	2.2	7.8
17	34	e28	e21	e11	e20	e10	4.2	16	12	17	3.3	26
18	27	e27	e20	e9.6	e21	e9.9	3.2	8.2	8.9	24	3.7	22
19	28	e26	e19	e10	e18	e11	7.7	6.8	10	24	3.3	20
20	30	e27	e20	e9.7	e20	e10	4.7	9.2	12	8.7	3.4	19
21	35	e26	e18	e9.6	e18	e9.6	2.4	8.5	17	5.0	3.5	16
22	43	e27	e21	e9.8	e16	e9.7	2.0	9.2	20	2.5	2.9	14
23	45	e25	e14	e11	e14	e10	1.6	21	23	1.8	2.9	15
24	39	e26	e12	e12	e12	e11	1.2	49	19	1.2	3.4	14
25	35	e28	e12	e9.8	e14	e13	1.6	46	15	1.4	3.1	9.0
26	37	e29	e12	e8.8	e15	e12	2.0	52	9.7	1.8	3.2	12
27	41	e28	e11	e8.0	e12	8.7	1.3	48	12	1.9	4.0	9.6
28	43	e27	e13	e8.4	e11	9.4	1.2	68	20	2.0	5.2	6.9
29	44	e26	e12	e8.1	e10	12	1.4	60	14	3.7	4.5	6.9
30	48	e24	e15	e9.0	---	14	1.5	44	9.6	2.5	4.4	6.8
31	47	---	e18	e11	---	12	---	40	---	1.9	3.4	---
TOTAL	1026	890	669	372.8	440.3	393.3	143.3	549.61	1465.2	262.9	99.0	273.4
MEAN	33.1	29.7	21.6	12.0	15.2	12.7	4.78	17.7	48.8	8.48	3.19	9.11
MAX	48	45	31	17	24	17	8.7	68	231	25	5.5	26
MIN	22	24	11	8.0	8.5	8.7	1.2	.91	8.9	1.2	1.7	3.2
AC-FT	2040	1770	1330	739	873	780	284	1090	2910	521	196	542

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	23.9	24.6	19.6	17.2	24.9	26.6	11.0	107	294	78.8	13.7	9.45
MAX	33.1	30.3	26.6	22.9	49.1	56.5	35.4	446	1121	354	40.4	23.0
(WY)	1996	1994	1994	1994	1994	1993	1993	1993	1995	1995	1993	1995
MIN	13.3	17.1	13.1	12.0	15.2	12.7	2.43	9.97	4.80	.51	.40	1.41
(WY)	1993	1995	1993	1996	1996	1996	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	51015.95		6584.81			
ANNUAL MEAN	140		18.0		54.1	
HIGHEST ANNUAL MEAN					138	1995
LOWEST ANNUAL MEAN					12.7	1992
HIGHEST DAILY MEAN	3560	Jun 16	231	Jun 5	3560	Jun 16 1995
LOWEST DAILY MEAN	.83	Apr 17	.91	May 6	.03	Aug 7 1994
ANNUAL SEVEN-DAY MINIMUM	1.1	Apr 11	1.2	Apr 30	.03	Aug 25 1994
ANNUAL RUNOFF (AC-FT)	101200		13060		39160	
10 PERCENT EXCEEDS	324		34		48	
50 PERCENT EXCEEDS	23		12		16	
90 PERCENT EXCEEDS	5.4		2.9		2.0	

e Estimated

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

WATER QUALITY RECORDS

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT						
25...	0710	37	1900	8.2	4.0	2
MAR						
26...	0835	12	2430	8.2	--	68
MAY						
16...	0745	3.4	2650	8.0	18.0	69
JUN						
13...	0750	19	1710	8.0	16.0	27
JUL						
16...	0940	3.8	2020	8.1	21.0	25
AUG						
20...	0655	1.0	2240	8.0	18.5	43
SEP						
19...	0945	17	2090	8.4	12.0	35

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

LOCATION.--Lat 40°27'42", long 110°50'10", in $SE^1/_4SE^1/_4SW^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above sea level, 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, 614 $ft^3/_s$ June 26, 1995, gage height, 4.06 ft, from rating curve extended above 160 $ft^3/_s$; minimum daily discharge, 6.8 $ft^3/_s$ Aug. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 297 $ft^3/_s$ May 17, gage height, 3.42 ft; minimum daily discharge 8.5$ft^3/_s$ Jan. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	e16	e17	e8.6	e12	26	47	54	35	29	22
2	24	e22	e17	e16	e8.8	e12	29	54	84	34	27	21
3	24	e22	e16	e15	e9.0	e13	27	54	103	34	27	21
4	28	e21	e16	e16	e9.1	e13	28	54	115	34	27	20
5	27	e21	e15	e16	e9.2	e14	28	55	119	34	26	20
6	27	e21	e14	e16	e9.0	e15	31	58	128	33	26	20
7	27	e21	e15	e17	e8.8	e15	37	63	102	32	28	20
8	27	e21	e16	e17	e9.0	e16	49	61	171	33	29	20
9	25	21	e17	e18	e9.4	e16	60	62	104	33	29	20
10	21	20	e16	e18	e9.8	e17	65	61	107	32	29	20
11	20	e20	e16	e18	e11	e17	56	62	151	31	30	22
12	22	e20	e16	e17	e11	e18	38	66	94	31	30	22
13	20	e19	e16	e16	e12	e19	35	71	51	31	30	25
14	19	e18	e15	e15	e12	20	34	89	45	31	31	32
15	19	e17	e15	e15	e13	19	34	136	45	31	31	25
16	19	e16	e16	e16	e12	19	33	200	66	33	29	25
17	19	e16	e15	e17	e12	19	36	225	42	35	29	26
18	19	e15	e15	e16	e12	19	35	227	42	33	30	25
19	19	e15	e16	e15	e13	20	33	152	42	31	29	24
20	18	e15	e15	e14	e14	21	32	102	41	30	29	24
21	19	e15	e15	e13	e15	22	32	70	46	30	26	23
22	22	e15	e15	e13	e15	23	32	72	42	30	24	23
23	24	e15	e15	e12	e14	23	34	86	40	29	23	22
24	24	e14	e14	e11	e14	22	37	52	39	29	23	22
25	24	e13	e14	e10	e14	22	39	53	38	29	23	22
26	25	e13	e15	e9.5	e13	24	40	49	38	29	23	22
27	24	e14	e15	e9.1	e13	23	42	49	41	29	24	22
28	23	e15	e15	e9.5	e12	23	40	52	38	30	24	21
29	23	e15	e16	e9.0	e12	23	39	49	37	30	23	21
30	23	e16	e17	e9.0	---	23	42	48	36	29	22	21
31	23	---	e18	e8.5	---	23	---	52	---	29	22	---
TOTAL	702	529	482	438.6	334.7	585	1123	2531	2101	974	832	673
MEAN	22.6	17.6	15.5	14.1	11.5	18.9	37.4	81.6	70.0	31.4	26.8	22.4
MAX	28	23	18	18	15	24	65	227	171	35	31	32
MIN	18	13	14	8.5	8.6	12	26	47	36	29	22	20
AC-FT	1390	1050	956	870	664	1160	2230	5020	4170	1930	1650	1330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	16.1	15.4	14.2	13.2	12.5	15.6	25.1	61.6	71.4	30.7	20.3	17.3
MAX	22.6	18.0	16.9	15.8	13.9	18.9	37.4	137	254	61.1	27.9	25.4
(WY)	1996	1994	1994	1994	1994	1996	1996	1993	1995	1995	1995	1995
MIN	10.6	11.3	10.9	10.9	10.4	11.6	17.1	28.9	15.4	15.5	11.3	9.02
(WY)	1993	1990	1993	1993	1990	1992	1992	1994	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	16857		11305.3			
ANNUAL MEAN	46.2		30.9		26.2	
HIGHEST ANNUAL MEAN					45.5	1995
LOWEST ANNUAL MEAN					16.7	1992
HIGHEST DAILY MEAN	421	Jun 13	227	May 18	421	Jun 13 1995
LOWEST DAILY MEAN	11	Feb 15	8.5	Jan 31	6.8	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	12	Feb 13	8.9	Jan 29	7.4	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	33440		22420		18940	
10 PERCENT EXCEEDS	86		54		39	
50 PERCENT EXCEEDS	24		23		17	
90 PERCENT EXCEEDS	14		13		11	

e Estimated

09277500 DUCHESNE RIVER NEAR TABIONA, UT

LOCATION.--Lat 40°18'01", long 110°36'06", in $SE^1/_4SW^1/_4SE^1/_4$ 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.--353 mi^2.

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 sea level, 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 $ft^3/_s$ 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 $ft^3/_s$ on basis of slope-area measurement and area-velocity study of peak flow; minimum discharge, 18 $ft^3/_s$ June 5, 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 $ft^3/_s$, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 6	0800	*1250	*4.34				

Minimum daily discharge, 61$ft^3/_s$ Aug. 24, Sept. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	116	91	73	e67	80	94	155	231	192	71	67
2	90	110	90	77	e69	80	103	170	268	185	76	65
3	91	108	89	76	e70	79	101	180	314	179	75	65
4	102	108	91	77	e72	81	102	178	499	178	72	65
5	105	108	90	77	e72	79	102	183	966	182	75	65
6	106	112	98	75	e74	77	105	200	1010	169	72	65
7	106	112	90	79	76	76	116	225	983	163	73	63
8	106	110	82	75	75	78	138	223	984	154	74	62
9	106	113	90	78	76	81	159	225	1020	149	70	62
10	99	112	92	77	77	86	177	226	997	145	67	61
11	97	106	89	76	76	88	168	225	900	135	63	64
12	95	112	89	76	75	92	149	240	856	126	65	73
13	97	110	95	74	76	97	137	321	781	121	66	91
14	100	105	81	76	83	94	130	377	705	105	67	110
15	100	104	81	77	81	90	127	462	420	99	69	110
16	100	101	87	e73	80	90	127	532	376	95	70	102
17	99	100	83	e74	83	86	131	594	344	103	71	108
18	101	98	81	e73	89	83	130	579	334	101	76	109
19	105	98	76	e72	86	82	125	488	581	92	77	104
20	103	101	79	e71	88	84	123	398	564	88	73	97
21	105	99	77	e70	87	91	116	326	552	82	72	103
22	105	97	77	e69	85	96	116	297	324	79	67	99
23	108	94	75	e69	78	99	119	332	277	76	62	101
24	107	92	76	e69	78	91	129	274	257	73	61	98
25	112	96	73	e69	82	91	134	269	229	68	64	94
26	119	99	72	e68	82	85	139	240	219	63	68	96
27	118	95	72	e68	73	87	153	215	231	62	68	98
28	115	94	74	e67	79	88	150	236	243	67	71	100
29	115	99	77	e67	82	91	144	223	216	76	68	99
30	116	96	75	e68	---	88	142	219	205	75	64	100
31	116	---	76	e67	---	90	---	231	---	72	66	---
TOTAL	3235	3105	2568	2257	2271	2680	3886	9043	15886	3554	2153	2596
MEAN	104	103	82.8	72.8	78.3	86.5	130	292	530	115	69.5	86.5
MAX	119	116	98	79	89	99	177	594	1020	192	77	110
MIN	90	92	72	67	67	76	94	155	205	62	61	61
AC-FT	6420	6160	5090	4480	4500	5320	7710	17940	31510	7050	4270	5150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1996, BY WATER YEAR (WY)

MEAN	116	119	107	95.3	92.7	99.3	154	488	621	201	108	106
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	67.0	59.5	53.2	53.8	53.9	63.9	54.7	40.3	44.1	48.7
(WY)	1935	1935	1993	1935	1935	1935	1977	1992	1992	1994	1977	1934

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1919 - 1996	
ANNUAL TOTAL	69442		53234			
ANNUAL MEAN	190		145		192	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	1630	Jun 15	1020	Jun 9	2490	Jun 13 1921
LOWEST DAILY MEAN	54	Aug 9	61	Aug 24	21	Jun 5 1992
ANNUAL SEVEN-DAY MINIMUM	58	Aug 4	63	Sep 5	30	May 31 1992
ANNUAL RUNOFF (AC-FT)	137700		105600		139400	
10 PERCENT EXCEEDS	593		247		396	
50 PERCENT EXCEEDS	90		95		110	
90 PERCENT EXCEEDS	68		69		73	

e Estimated

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°29'36", long 110°34'39", in $SE^1/_4NW^1/_4SW^1/_4$ 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 mi^2.

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

REVISED RECORDS.--WDR UT-77-1: Drainage area, WDR UT-95-1; 1994.

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

REMARKS.--Records poor. 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 $ft^3/_s$ June 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft June 4, 1986, from floodmarks; minimum recorded, 7.0 $ft^3/_s$ Mar. 13, 1940, Mar. 20, 1942 (probably caused by ice jams above station).

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 644 $ft^3/_s$ June 27, gage height, 3.98 ft; minimum daily discharge, 35 $ft^3/_s$ Dec. 23, Feb. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	47	40	42	40	39	43	45	71	167	60	47
2	51	41	40	40	37	40	44	51	69	145	60	47
3	51	42	40	41	38	37	44	51	69	122	58	46
4	53	42	42	41	41	37	45	51	72	122	56	47
5	51	42	41	39	42	37	44	52	76	166	55	48
6	50	42	44	39	40	37	44	53	77	134	54	48
7	51	43	41	40	40	36	45	54	77	98	53	48
8	51	43	40	40	41	36	45	55	78	79	51	47
9	50	46	42	39	40	36	48	57	78	76	50	46
10	50	44	41	39	39	38	46	56	109	73	58	45
11	50	44	41	39	39	38	47	56	340	69	66	50
12	50	45	42	39	38	40	e44	58	359	67	67	e52
13	49	44	43	39	38	43	42	109	364	66	64	56
14	49	43	43	39	38	41	43	213	424	64	52	58
15	49	42	42	40	38	40	43	191	516	65	52	52
16	48	42	41	41	38	39	42	269	438	65	52	54
17	48	41	41	41	38	38	44	384	343	67	51	51
18	48	41	40	e41	38	39	44	401	375	65	52	50
19	46	41	37	42	37	39	45	376	381	63	50	49
20	47	41	36	43	39	40	44	384	244	61	49	48
21	48	40	37	42	39	42	43	387	243	61	50	47
22	47	41	38	42	37	43	43	328	490	60	49	47
23	47	40	35	38	36	42	44	158	336	59	50	46
24	47	40	37	41	37	40	45	156	288	59	49	46
25	48	40	39	42	36	39	43	150	263	59	50	45
26	48	42	39	41	35	39	44	100	221	60	50	45
27	47	40	38	38	40	39	44	92	403	59	51	45
28	47	41	39	42	44	39	44	84	505	60	52	45
29	47	41	40	43	38	41	44	76	277	61	49	45
30	47	40	41	43	---	41	44	75	205	58	49	45
31	47	---	43	43	---	42	---	73	---	57	48	---
TOTAL	1513	1261	1243	1259	1121	1217	1324	4645	7791	2487	1657	1445
MEAN	48.8	42.0	40.1	40.6	38.7	39.3	44.1	150	260	80.2	53.5	48.2
MAX	53	47	44	43	44	43	48	401	516	167	67	58
MIN	46	40	35	38	35	36	42	45	69	57	48	45
AC-FT	3000	2500	2470	2500	2220	2410	2630	9210	15450	4930	3290	2870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	42.8	38.9	36.1	34.0	35.0	37.4	41.4	87.5	182	170	64.0	46.2
MAX	69.1	51.1	40.7	40.6	42.0	44.1	53.6	184	490	573	150	55.8
(WY)	1988	1988	1994	1996	1994	1989	1989	1988	1995	1995	1988	1990
MIN	32.0	30.2	29.5	27.3	29.0	29.9	33.5	41.3	43.7	44.0	41.8	38.4
(WY)	1990	1990	1991	1991	1988	1988	1995	1992	1992	1991	1991	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	45786		26963			
ANNUAL MEAN	125		73.7		68.1	
HIGHEST ANNUAL MEAN					124	1995
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	1180	Jul 3	516	Jun 15	1180	Jul 3 1995
LOWEST DAILY MEAN	30	Jan 1	35	Dec 23	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	32	Apr 3	37	Mar 3	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	90820		53480		49320	
10 PERCENT EXCEEDS	462		126		74	
50 PERCENT EXCEEDS	43		45		42	
90 PERCENT EXCEEDS	34		39		31	

e Estimated

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

LOCATION.--Lat 40°16'14", long 110°26'31", in $NE^1/_4NW^1/_4NW^1/_4$ 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 up-stream from Knight diversion dam, 3.9 mi downstream from Rock Creek, and 7.7 mi north-northwest of Duchesne.

DRAINAGE AREA.--623 mi^2.

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 sea level, 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 $ft^3/_s$ June 6, 1986, gage height, 7.52 ft, from flood-marks; minimum, 37 $ft^3/_s$ Jan. 31, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 11	1000	*1550	*6.23				

Minimum daily discharge, 77 $ft^3/_s$ Sept. 2 .

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	177	161	141	141	143	164	175	273	328	81	81
2	139	163	159	138	135	144	176	196	307	293	91	77
3	141	159	156	142	131	142	174	207	346	262	87	78
4	151	164	162	153	137	147	176	203	481	241	84	78
5	161	161	164	144	158	147	171	205	1100	294	84	79
6	163	165	177	131	148	138	181	218	1300	265	84	79
7	167	170	163	139	150	132	189	237	1220	224	86	80
8	166	169	148	143	147	138	220	243	1270	194	87	79
9	162	176	159	144	148	147	236	239	1320	180	82	79
10	153	183	161	144	146	150	261	240	1270	177	79	78
11	153	167	156	136	141	154	261	238	1400	155	90	86
12	147	181	161	138	135	159	232	252	1390	146	91	102
13	149	182	173	138	141	182	212	317	1260	141	89	139
14	153	176	151	140	149	176	195	549	1180	128	82	172
15	156	172	149	142	150	164	195	633	903	109	81	175
16	154	169	155	146	148	166	195	773	764	99	81	158
17	152	168	145	149	153	157	200	1020	651	109	84	169
18	150	167	143	117	164	150	202	1060	620	107	89	168
19	156	167	129	139	160	147	192	868	923	94	90	161
20	154	166	119	147	163	150	192	760	789	89	87	154
21	160	165	118	145	160	154	182	692	761	88	86	159
22	157	166	126	151	158	166	181	641	766	88	82	155
23	162	164	109	134	136	169	183	476	602	88	79	152
24	158	161	106	143	139	154	190	413	520	86	79	147
25	159	162	115	147	147	152	195	441	462	84	80	141
26	162	166	122	138	145	138	198	342	409	80	82	140
27	161	163	121	132	119	147	207	298	486	78	85	145
28	162	158	126	147	131	152	202	312	753	84	91	153
29	162	169	136	150	141	154	179	282	488	91	83	150
30	169	164	152	162	---	152	166	273	386	88	80	150
31	176	---	159	155	---	154	---	280	---	82	81	---
TOTAL	4856	5040	4481	4415	4221	4725	5907	13083	24400	4572	2617	3764
MEAN	157	168	145	142	146	152	197	422	813	147	84.4	125
MAX	176	183	177	162	164	182	261	1060	1400	328	91	175
MIN	139	158	106	117	119	132	164	175	273	78	79	77
AC-FT	9630	10000	8890	8760	8370	9370	11720	25950	48400	9070	5190	7470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	193	191	163	152	148	159	210	647	1132	431	184	163
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	94.7	84.4	77.6
(WY)	1978	1978	1991	1978	1977	1977	1977	1990	1992	1994	1996	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1971 - 1996	
ANNUAL TOTAL	116852		82081			
ANNUAL MEAN	320		224		315	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					118	1992
HIGHEST DAILY MEAN	2250	Jul 8	1400	Jun 11	4700	Jun 6 1986
LOWEST DAILY MEAN	78	Aug 31	77	Sep 2	54	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	84	Aug 26	79	Sep 2	60	Sep 23 1994
ANNUAL RUNOFF (AC-FT)	231800		162800		227900	
10 PERCENT EXCEEDS	899		421		607	
50 PERCENT EXCEEDS	150		156		167	
90 PERCENT EXCEEDS	107		86		110	

09286100 RED CREEK ABOVE RESERVOIR, NEAR FRUITLAND, UT

LOCATION.--Lat 40°19'48", long 110°51'43", in $SW^1/_4SE^1/_4SE^1/_4$, 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 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 188 $ft^3/_s$ May 4, 1993, gage height, 2.95 ft from highwater mark; minimum recorded discharge, .03 $ft^3/_s$ Mar. 20, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66 $ft^3/_s$ May 15, gage height, 2.49 ft; minimum daily discharge, 0.94 $ft^3/_s$ Aug. 23, Sept. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	2.8	2.9	e2.2	e1.6	e2.9	4.6	29	21	9.7	4.4	.94
2	2.2	2.5	2.8	e2.1	e1.5	e2.9	4.7	30	21	9.3	4.4	.96
3	2.3	2.6	2.5	e2.1	e1.4	e2.9	5.1	31	21	8.8	2.6	2.5
4	3.2	2.3	3.1	e2.1	e1.3	e3.0	6.7	27	24	8.6	1.9	1.7
5	2.9	2.6	2.9	e2.3	e1.4	e3.0	6.3	29	22	8.6	3.6	1.4
6	3.0	2.5	4.0	e2.2	e1.5	3.1	7.8	34	19	8.4	2.5	1.8
7	2.9	2.6	2.9	e2.1	e1.6	3.1	10	36	22	7.7	2.5	2.1
8	2.8	2.5	2.7	e2.0	e1.6	3.2	14	33	21	7.3	2.3	2.0
9	2.6	3.6	2.9	e2.0	e1.6	3.3	17	34	20	9.0	1.0	2.0
10	2.6	3.1	2.8	e2.0	e1.7	3.4	18	32	20	10	1.1	1.8
11	2.6	3.5	2.8	e2.0	e1.7	3.6	16	37	19	7.2	3.2	2.9
12	2.5	3.8	e2.7	e2.1	e1.8	3.7	13	42	17	6.4	2.9	4.3
13	2.2	3.9	e2.7	e2.1	e1.9	3.6	11	43	17	5.9	1.6	4.2
14	2.6	3.7	e2.6	e2.1	e2.0	3.6	9.6	45	16	5.6	1.7	6.3
15	2.6	3.2	e2.5	e2.0	e2.1	3.7	9.7	48	15	5.5	1.6	4.7
16	2.6	3.1	e2.4	e1.9	e2.2	3.6	11	50	14	5.8	1.5	3.1
17	2.6	2.8	e2.3	e1.9	e2.3	3.5	11	47	14	6.9	1.6	3.4
18	2.7	2.7	e2.2	e1.8	e2.4	3.5	10	40	13	6.1	2.2	3.2
19	2.3	2.8	e2.1	e1.8	e2.5	3.5	9.3	34	12	5.2	1.7	2.8
20	2.4	2.7	e2.0	e1.8	e2.5	3.8	9.2	30	12	4.8	1.3	2.8
21	2.8	2.6	e1.9	e1.8	e2.6	4.2	8.9	29	15	4.4	1.1	2.5
22	3.4	2.8	e1.9	e1.7	e2.6	4.1	8.9	28	15	4.1	1.1	2.4
23	2.6	2.6	e1.8	e1.6	e2.7	3.8	9.0	29	12	4.1	.94	2.1
24	2.8	2.5	e1.8	e1.5	e2.7	3.5	12	25	11	4.2	.98	2.7
25	2.9	2.7	e1.8	e1.4	e2.8	3.4	16	26	10	4.1	1.5	2.1
26	3.5	3.1	e1.7	e1.3	e2.8	3.5	18	25	10	4.2	1.2	1.8
27	3.4	2.7	e1.7	e1.4	e2.8	3.5	24	24	12	4.4	1.2	1.8
28	3.1	3.2	e1.8	e1.5	e2.8	3.8	21	27	11	4.3	2.2	1.9
29	3.1	3.1	e1.9	e1.6	e2.8	3.8	16	24	10	4.4	1.3	2.2
30	2.7	2.8	e2.0	e1.7	---	3.9	20	23	9.8	4.5	1.2	2.3
31	2.8	---	e2.1	e1.7	---	4.1	---	22	---	4.2	1.1	---
TOTAL	86.7	87.4	74.2	57.8	61.2	108.5	357.8	1013	475.8	193.7	59.42	76.70
MEAN	2.80	2.91	2.39	1.86	2.11	3.50	11.9	32.7	15.9	6.25	1.92	2.56
MAX	4.0	3.9	4.0	2.3	2.8	4.2	24	50	24	10	4.4	6.3
MIN	2.2	2.3	1.7	1.3	1.3	2.9	4.6	22	9.8	4.1	.94	.94
AC-FT	172	173	147	115	121	215	710	2010	944	384	118	152

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1996, BY WATER YEAR (WY)

MEAN	2.03	2.28	2.15	1.97	2.30	3.85	8.50	16.4	11.6	3.39	1.45	1.61
MAX	4.29	4.00	3.50	2.59	3.30	6.83	15.0	36.5	50.5	12.8	3.60	4.41
(WY)	1987	1987	1987	1990	1991	1989	1987	1993	1995	1995	1995	1995
MIN	1.28	1.39	1.30	1.17	1.30	2.97	4.53	4.43	1.77	.55	.35	.62
(WY)	1993	1989	1993	1989	1993	1993	1992	1992	1992	1994	1992	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1987 - 1996	
ANNUAL TOTAL	3717.8		2652.22			
ANNUAL MEAN	10.2		7.25		4.80	
HIGHEST ANNUAL MEAN					9.95	1995
LOWEST ANNUAL MEAN					2.08	1992
HIGHEST DAILY MEAN	91	Jun 4	50	May 16	91	Jun 4 1995
LOWEST DAILY MEAN	1.5	Jan 22	.94	Aug 23	.12	Aug 4 1992
ANNUAL SEVEN-DAY MINIMUM	1.7	Jan 21	1.1	Aug 21	.16	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	7370		5260		3480	
10 PERCENT EXCEEDS	31		21		10	
50 PERCENT EXCEEDS	3.6		2.9		2.4	
90 PERCENT EXCEEDS	2.1		1.7		1.0	

e Estimated

09288000 CURRANT CREEK NEAR FRUITLAND, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ 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 mi^2.

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 sea level, 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.--No estimated daily discharges. Records good. 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 ft$^3/_s$ 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 ft$^3/_s$ Aug. 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 172 ft$^3/_s$ May 16, gage height 2.43 ft; minimum discharge, 15 ft$^3/_s$ Feb. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	35	32	30	29	33	45	61	57	44	41	37
2	39	33	32	29	25	33	60	66	55	42	41	35
3	37	33	32	32	26	31	60	68	55	42	40	35
4	35	33	35	32	29	33	60	66	54	43	40	35
5	34	33	34	30	37	33	59	66	54	42	39	35
6	34	33	37	28	34	32	61	70	53	43	38	35
7	33	33	33	32	33	31	65	71	51	42	39	36
8	32	33	32	31	33	32	77	69	47	43	38	35
9	33	37	33	31	33	33	85	68	48	46	38	35
10	33	37	32	32	33	35	92	67	48	45	37	35
11	33	35	32	31	31	36	99	67	49	42	35	41
12	33	36	33	31	31	38	133	68	49	41	34	39
13	33	35	35	32	30	41	152	70	49	39	34	42
14	33	32	32	32	32	40	143	80	48	41	35	42
15	33	32	31	33	31	40	128	141	47	40	37	38
16	33	31	33	33	31	43	114	150	47	40	37	38
17	33	31	31	33	31	44	69	123	47	46	37	45
18	33	32	29	29	33	44	62	120	47	43	40	47
19	33	32	27	32	32	37	58	119	47	42	39	41
20	33	32	27	34	35	37	56	118	48	42	39	41
21	33	32	24	31	34	45	54	104	55	42	40	41
22	34	32	23	35	33	46	53	74	52	41	39	40
23	34	32	23	30	31	47	54	65	49	41	38	42
24	34	32	25	34	33	43	56	62	48	40	39	40
25	34	32	27	33	35	42	58	67	46	39	40	40
26	35	34	28	31	36	36	59	62	44	39	40	39
27	35	32	27	28	31	36	63	57	49	40	42	40
28	35	33	30	29	32	38	59	65	48	40	43	40
29	35	33	32	33	33	40	54	61	46	42	39	39
30	34	32	33	34	---	39	56	59	46	42	38	39
31	35	---	33	34	---	41	---	58	---	41	39	---
TOTAL	1056	992	947	979	927	1179	2244	2462	1483	1295	1195	1167
MEAN	34.1	33.1	30.5	31.6	32.0	38.0	74.8	79.4	49.4	41.8	38.5	38.9
MAX	39	37	37	35	37	47	152	150	57	46	43	47
MIN	32	31	23	28	25	31	45	57	44	39	34	35
AC-FT	2090	1970	1880	1940	1840	2340	4450	4880	2940	2570	2370	2310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

MEAN	30.8	30.5	28.9	29.4	31.2	35.6	48.2	54.9	46.5	35.5	32.7	33.2
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	14800		15926			
ANNUAL MEAN	40.5		43.5		36.5	
HIGHEST ANNUAL MEAN					58.5	1986
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	177	Jun 3	152	Apr 13	177	Jun 3 1995
LOWEST DAILY MEAN	18	Jan 1	23	Dec 22	12	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	24	Jan 1	25	Dec 19	19	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	29360		31590		26410	
10 PERCENT EXCEEDS	57		62		50	
50 PERCENT EXCEEDS	35		37		32	
90 PERCENT EXCEEDS	29		31		25	

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 14060003, 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 sea level, 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.

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 611 $ft^3/_s$ May16, gage height 6.61 ft; minimum daily discharge, 56 $ft^3/_s$ Jan. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e107	97	93	e80	e63	104	111	180	248	147	101	94
2	e105	93	93	e77	e65	106	125	191	239	141	100	90
3	100	95	92	e74	e68	102	134	201	232	143	102	87
4	96	97	94	e72	e74	103	132	219	228	139	98	83
5	95	96	97	e78	e79	100	131	232	211	141	98	84
6	93	93	100	e76	e83	98	132	248	208	134	96	85
7	91	93	94	e75	e90	95	137	298	207	129	94	87
8	90	92	91	e73	e87	97	148	296	196	127	91	84
9	89	e90	91	e73	e88	102	160	312	186	132	89	85
10	91	e90	91	e72	e90	109	170	331	188	137	90	85
11	91	95	91	e72	e92	111	180	342	192	129	89	90
12	90	96	92	e72	e88	116	196	353	193	125	90	99
13	87	97	e90	e70	e87	128	233	358	191	121	91	111
14	90	95	e89	e70	e88	123	230	398	192	119	91	110
15	89	94	e86	e70	e90	122	215	464	183	119	92	105
16	90	94	e86	e74	e95	122	206	547	183	120	91	104
17	90	94	e85	e75	99	121	184	542	177	127	93	110
18	89	95	e84	e77	106	119	165	522	e172	129	96	111
19	89	95	e82	e76	105	114	160	487	e170	124	95	106
20	90	95	e81	e73	111	110	155	483	169	117	94	101
21	92	93	e80	e68	113	118	151	449	182	115	94	99
22	97	93	e80	e66	107	129	149	411	199	112	93	95
23	96	93	e80	e65	98	130	147	396	168	111	92	92
24	95	92	e78	e63	102	116	150	379	150	110	94	92
25	96	92	e77	e62	104	112	153	374	145	108	98	91
26	96	e90	e77	e59	105	105	156	e350	140	107	100	89
27	95	e89	e78	e56	100	107	163	e325	155	107	102	91
28	93	e88	e77	e57	94	107	166	e295	188	110	103	92
29	94	e90	e79	e58	102	112	165	e281	158	112	100	89
30	96	93	e79	e59	---	108	174	e276	150	110	95	96
31	96	---	e82	e60	---	108	---	e265	---	107	94	---
TOTAL	2898	2799	2669	2152	2673	3454	4878	10805	5600	3809	2946	2837
MEAN	93.5	93.3	86.1	69.4	92.2	111	163	349	187	123	95.0	94.6
MAX	107	97	100	80	113	130	233	547	248	147	103	111
MIN	87	88	77	56	63	95	111	180	140	107	89	83
AC-FT	5750	5550	5290	4270	5300	6850	9680	21430	11110	7560	5840	5630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

MEAN	102	90.1	90.2	85.6	91.5	109	171	405	279	134	109	105
MAX	378	243	372	362	336	293	387	1031	1181	518	403	371
(WY)	1984	1984	1984	1984	1984	1983	1983	1984	1983	1983	1983	1984
MIN	37.1	57.0	47.9	40.8	48.5	59.6	57.5	44.2	32.9	36.9	29.9	33.8
(WY)	1978	1978	1978	1977	1971	1977	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968 - 1996	
ANNUAL TOTAL	56667		47520			
ANNUAL MEAN	155		130		147	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					47.5	1977
HIGHEST DAILY MEAN	748	Jun 4	547	May 16	2010	May 31 1983
LOWEST DAILY MEAN	67	Jan 2	56	Jan 27	18	Jun 20 1977
ANNUAL SEVEN-DAY MINIMUM	69	Jan 1	59	Jan 25	20	Jun 19 1977
ANNUAL RUNOFF (AC-FT)	112400		94260		106400	
10 PERCENT EXCEEDS	358		209		335	
50 PERCENT EXCEEDS	98		98		92	
90 PERCENT EXCEEDS	80		78		58	

e Estimated

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

LOCATION.--Lat 40°36'24", long 110°31'35", in $SW^1/_4SE^1/_4SE^1/_4$ 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 mi^2.

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 sea level, 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, 2,740 $ft^3/_s$ June 27, 1995, gage height, 6.44 ft, datum then in use, minimum daily, 12 $ft^3/_s$ several days in 1993 and 1996.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 8	2030	*1550	*5.79	June 27	1730	1140	5.41

Minimum daily discharge, 12 $ft^3/_s$ Feb. 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	35	27	e23	e16	e14	e19	55	194	247	77	35
2	48	32	26	e22	e14	e15	e20	68	264	227	85	35
3	47	e32	26	e22	e13	e16	e21	77	418	214	78	34
4	51	e32	e26	e21	e12	e16	e21	81	691	235	72	33
5	51	e31	e26	e21	e12	e17	e21	93	1070	234	68	33
6	51	e31	e26	e20	e13	e16	e22	116	1140	201	64	34
7	52	30	e25	e20	e14	e16	e23	127	1040	186	62	34
8	48	30	e25	e21	e15	e15	e24	126	1100	174	59	33
9	48	33	e25	e21	e15	e15	e25	128	1110	173	56	32
10	47	32	24	e22	e14	e15	e26	129	867	162	54	31
11	49	50	e23	e21	e14	e16	e28	153	671	153	53	45
12	48	34	e23	e21	e15	e17	29	205	684	147	52	49
13	43	34	e23	e20	e14	e18	32	278	630	142	50	88
14	43	32	e23	e20	e14	e19	32	380	564	136	49	92
15	43	32	e22	e21	e15	e20	28	537	476	134	50	81
16	42	31	e23	e22	e16	e21	27	754	463	148	48	77
17	41	30	e23	e23	e16	e20	28	766	524	160	47	77
18	40	30	e23	e25	e17	e20	25	633	471	151	56	72
19	38	29	e22	e23	e17	e19	28	450	409	142	49	69
20	38	29	e23	e22	e17	e19	28	330	356	134	46	65
21	39	28	e23	e21	e17	e20	26	299	538	126	44	64
22	36	29	e23	e19	e17	e20	29	344	414	119	42	62
23	37	28	e22	e19	e17	e19	21	358	292	113	41	60
24	39	28	e22	e19	e16	e19	27	273	286	107	41	57
25	38	28	e22	e18	e16	e18	34	229	263	103	41	55
26	38	e28	e21	e18	e15	e16	41	199	235	98	41	53
27	36	e28	e21	e18	e14	e17	49	190	616	94	42	51
28	36	e27	e22	e17	e15	e17	42	202	623	93	47	53
29	37	e27	e22	e16	e15	e18	39	187	307	93	40	50
30	37	e27	e23	e15	---	e18	42	183	265	90	38	49
31	37	---	e23	e17	---	e18	---	180	---	80	37	---
TOTAL	1330	927	728	628	435	544	857	8130	16981	4616	1629	1603
MEAN	42.9	30.9	23.5	20.3	15.0	17.5	28.6	262	566	149	52.5	53.4
MAX	52	50	27	25	17	21	49	766	1140	247	85	92
MIN	36	27	21	15	12	14	19	55	194	80	37	31
AC-FT	2640	1840	1440	1250	863	1080	1700	16130	33680	9160	3230	3180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	51.6	38.8	30.7	26.3	24.0	24.5	40.7	248	529	221	95.2	66.2
MAX	142	80.1	61.3	40.1	39.5	46.5	89.5	578	946	772	212	137
(WY)	1983	1983	1983	1983	1988	1988	1969	1969	1995	1995	1965	1965
MIN	26.3	22.9	15.0	14.8	14.7	15.0	18.6	65.9	186	61.9	46.5	32.1
(WY)	1989	1980	1993	1993	1993	1977	1993	1977	1992	1994	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	69524		38408			
ANNUAL MEAN	190		105		116	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	2120	Jun 27	1140	Jun 6	2120	Jun 27 1995
LOWEST DAILY MEAN	21	Dec 26	12	Feb 4	12	Feb 6 1989
ANNUAL SEVEN-DAY MINIMUM	22	Dec 23	13	Feb 2	13	Apr 10 1993
ANNUAL RUNOFF (AC-FT)	137900		76180		84350	
10 PERCENT EXCEEDS	663		274		294	
50 PERCENT EXCEEDS	39		34		43	
90 PERCENT EXCEEDS	27		17		22	

e Estimated

09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'43", long 110°29'21", in $NW^1/_4NE^1/_4NE^1/_4$ 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 mi^2.

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 sea level, (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, 35,760 acre-ft July 1, elevation, 8,137.0 ft; minimum contents observed, 9,690 acre-ft Sept. 1, elevation, 8,096.6 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31	--	*21,050	+390
Nov. 30	--	*23,270	+2,220
Dec. 31	--	*25,170	+1,900
CAL YR 1995	--	--	+12,510
Jan. 31	--	*26,830	+1,660
Feb. 29	--	*27,960	+1,130
Mar. 31	--	*29,320	+1,360
Apr. 30	--	*28,960	-360
May 31	--	*27,040	-1,920
June 30	--	*35,450	+8,410
July 31	--	*27,180	-8,270
Aug. 31	--	*10,160	-17,020
Sept. 30	--	*10,360	+200
WTR YR 1996	--	--	-10,300

* 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 $SW^1/_4SW^1/_4NW^1/_4$ 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 mi^2.

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 sea level by barometer. Prior to April 1942, at damsite 2,000 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,180 $ft^3/_s$ June 19, 1949 (gage height, 4.83 ft), from rating curve extended above 860 $ft^3/_s$; maximum gage height, 5.46 ft June 26, 1944; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,080 $ft^3/_s$ June 27, gage height, 3.94 ft; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	307	.00	.00	.00	.00	.00	.00	331	246	367	294	301
2	176	.00	.00	.00	.00	.00	.00	e330	246	328	296	182
3	104	.00	.00	.00	.00	.00	.00	e364	245	289	291	108
4	104	.00	.00	.00	.00	.00	.00	e404	215	278	288	107
5	104	.00	.00	.00	.00	.00	.00	e415	140	314	286	170
6	105	.00	.00	.00	.00	.00	.00	e489	144	313	290	270
7	104	.00	.00	.00	.00	.00	.00	e489	116	277	296	345
8	104	.00	.00	.00	.00	.00	.00	e480	97	248	330	301
9	104	.00	.00	.00	.00	.00	.00	e465	100	296	346	115
10	104	.00	.00	.00	.00	.00	.00	e430	256	302	345	150
11	105	.00	.00	.00	.00	.00	.00	e434	683	300	342	212
12	104	.00	.00	.00	.00	.00	.00	e439	676	351	347	212
13	105	.00	.00	.00	.00	.00	.00	e430	657	378	349	219
14	105	.00	.00	.00	.00	.00	.00	e408	588	376	347	106
15	105	.00	.00	.00	.00	.00	.00	e303	550	381	356	.00
16	104	.00	.00	.00	.00	.00	.00	e264	461	371	364	.00
17	104	.00	.00	.00	.00	.00	28	e226	518	365	378	.00
18	104	.00	.00	.00	.00	.00	56	e215	537	360	375	.00
19	68	.00	.00	.00	.00	.00	56	e225	447	368	371	.00
20	.00	.00	.00	.00	.00	.00	56	e228	435	384	367	.00
21	.00	.00	.00	.00	.00	.00	55	e268	494	386	366	.00
22	.00	.00	.00	.00	.00	.00	55	e266	598	380	361	.00
23	.00	.00	.00	.00	.00	.00	54	292	370	373	356	.00
24	.00	.00	.00	.00	.00	.00	54	293	339	373	349	.00
25	.00	.00	.00	.00	.00	.00	54	291	343	372	350	.00
26	.00	.00	.00	.00	.00	.00	58	289	338	368	349	.00
27	.00	.00	.00	.00	.00	.00	91	275	526	362	346	.00
28	.00	.00	.00	.00	.00	.00	153	262	734	358	342	.00
29	.00	.00	.00	.00	.00	.00	321	258	410	355	340	.00
30	.00	.00	.00	.00	---	.00	317	257	277	349	335	.00
31	.00	---	.00	.00	---	.00	---	249	---	311	335	---
TOTAL	2220.00	0.00	0.00	0.00	0.00	0.00	1408.00	10369	11786	10633	10487	2798.00
MEAN	71.6	.000	.000	.000	.000	.000	46.9	334	393	343	338	93.3
MAX	307	.00	.00	.00	.00	.00	321	489	734	386	378	345
MIN	.00	.00	.00	.00	.00	.00	.00	215	97	248	286	.00
AC-FT	4400	.00	.00	.00	.00	.00	2790	20570	23380	21090	20800	5550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	49.8	7.84	.99	1.47	2.31	3.08	49.4	297	354	357	250	141
MAX	202	120	17.3	28.2	44.4	72.3	202	555	920	717	410	326
(WY)	1983	1966	1984	1984	1966	1966	1943	1969	1983	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	63672.00		49701.00			
ANNUAL MEAN	174		136		127	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					60.9	1977
HIGHEST DAILY MEAN	1430	Jun 29	734	Jun 28	2000	Jun 19 1949
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 20	.00	Oct 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 20	.00	Oct 15 1942
ANNUAL RUNOFF (AC-FT)	126300		98580		91990	
10 PERCENT EXCEEDS	383		372		363	
50 PERCENT EXCEEDS	68		.00		15	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

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, WDR UT-95-1: 1994.

GAGE.--Water-stage recorder. Elevation of gage is 7,430 ft above sea level, 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.--Recorded 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)
June 5	2345	*1650	*3.83				

Minimum daily discharge, 45 $ft^3/_s$ Mar. 28, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	84	70	e59	e54	e53	48	67	195	291	89	84
2	114	81	70	e59	e52	e53	50	71	229	269	100	82
3	109	87	70	e56	e52	e52	47	79	321	244	120	80
4	114	e84	69	e57	e50	e50	47	78	501	241	120	79
5	110	82	69	e58	e49	e50	46	81	827	247	112	78
6	113	81	68	e57	e52	52	49	101	821	228	104	77
7	109	79	66	e59	e50	e52	54	89	745	215	98	74
8	106	78	e66	e60	e48	e52	60	105	747	201	89	69
9	105	80	e65	e60	e48	51	65	106	750	198	87	65
10	103	79	63	e62	e50	50	63	98	654	189	84	64
11	104	88	63	e61	e50	50	60	106	512	173	83	70
12	104	82	65	e60	e50	50	59	150	495	160	83	89
13	98	81	67	e58	e50	52	54	203	463	157	80	98
14	99	81	61	e58	e48	51	49	304	427	144	87	104
15	97	79	e61	e57	e48	51	48	397	396	143	101	98
16	96	78	e60	e57	52	48	49	586	354	140	105	104
17	93	75	e58	e56	49	47	57	628	391	157	102	106
18	91	76	e57	e56	50	47	61	552	376	150	107	100
19	88	75	e56	e55	49	50	58	420	345	135	109	95
20	86	74	e59	e52	52	48	55	312	326	131	103	91
21	87	73	e64	e51	51	48	55	280	418	124	91	93
22	e86	74	e62	e50	51	50	51	300	414	113	83	94
23	e85	72	e60	e49	e50	49	53	336	303	106	81	90
24	85	72	e60	e49	e49	47	56	290	278	104	79	87
25	87	74	e60	e49	e49	46	62	269	263	100	81	83
26	89	74	e58	e47	50	46	66	228	241	98	94	81
27	86	77	e56	e46	e49	48	71	216	323	94	100	77
28	86	79	e57	e48	e52	45	65	236	566	96	101	79
29	85	75	e58	e49	e52	47	59	217	392	99	92	77
30	85	73	e57	e53	---	45	63	210	318	98	91	76
31	85	---	e58	e56	---	46	---	198	---	92	87	---
TOTAL	3001	2347	1933	1704	1456	1526	1680	7313	13391	4937	2943	2544
MEAN	96.8	78.2	62.4	55.0	50.2	49.2	56.0	236	446	159	94.9	84.8
MAX	116	88	70	62	54	53	71	628	827	291	120	106
MIN	85	72	56	46	48	45	46	67	195	92	79	64
AC-FT	5950	4660	3830	3380	2890	3030	3330	14510	26560	9790	5840	5050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1996, BY WATER YEAR (WY)

MEAN	89.2	69.6	58.2	50.1	47.4	47.8	63.3	242	486	237	148	114
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	53.0	43.8	36.0	26.5	29.9	31.0	41.1	72.0	161	101	75.7	60.5
(WY)	1993	1990	1993	1979	1977	1977	1970	1977	1954	1961	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1945 - 1996	
ANNUAL TOTAL	73782		44775			
ANNUAL MEAN	202		122		138	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	1600	Jun 28	827	Jun 5	1800	Jun 19 1983
LOWEST DAILY MEAN	47	Feb 15	45	Mar 28	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	51	Feb 11	46	Mar 25	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	146300		88810		99960	
10 PERCENT EXCEEDS	394		283		308	
50 PERCENT EXCEEDS	79		79		74	
90 PERCENT EXCEEDS	53		49		44	

e Estimated

09295000 DUCHESNE RIVER AT MYTON, UT

LOCATION.--Lat 40°12'01", long 110°03'47", in $NE^1/_4NW^1/_4NW^1/_4$ 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.--2,750 mi^2., approximately.

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 sea level. Prior to Oct. 14, 1933, nonrecording gages at several sites within 0.5 mi of present site at various datums.

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, and Strawberry River and Willow Creek ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 12,800 $ft^3/_s$ June 10, 1922, gage height, 7.94 ft site and datum then in use, from rating curve extended above 8,000 $ft^3/_s$; minimum, less than 1 $ft^3/_s$ July 16, 1931, and for several days in August and September 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,020 $ft^3/_s$ June 29, gage height, 4.17 ft; minimum discharge,19 $ft^3/_s$ Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	203	306	351	e209	204	246	132	169	193	48	43
2	60	212	301	e341	e229	214	252	155	132	109	48	50
3	66	220	296	e358	e388	215	332	160	131	86	52	47
4	59	237	295	e339	e410	212	344	158	97	76	42	48
5	e66	229	301	e339	e360	166	349	159	201	81	43	40
6	e68	227	315	e318	e289	165	351	168	544	89	46	47
7	e68	239	319	e329	e278	183	351	171	485	71	50	41
8	e68	264	297	e310	e275	189	366	190	413	70	55	35
9	e68	268	283	e330	e300	199	391	188	506	89	55	37
10	e64	290	306	e330	e301	206	410	210	490	166	47	41
11	e60	276	306	e310	e302	216	380	188	609	80	54	42
12	e56	279	301	e328	e319	238	348	185	778	57	57	49
13	e57	281	319	e290	339	281	310	211	699	46	57	54
14	54	273	318	e299	333	288	291	331	601	38	52	59
15	56	203	282	e309	331	253	246	480	511	39	49	45
16	57	281	294	e309	326	234	277	252	330	48	46	42
17	56	282	289	e321	273	227	270	469	247	51	55	42
18	95	285	291	e298	295	218	260	577	156	61	57	43
19	102	288	276	e344	317	207	239	482	229	55	56	37
20	110	291	274	e316	316	197	228	382	361	56	55	36
21	114	291	271	e280	330	204	227	339	329	60	48	34
22	123	292	308	e280	324	219	220	291	520	63	44	31
23	140	295	308	e252	269	226	197	277	480	60	41	29
24	183	300	272	e270	243	217	169	172	357	59	40	26
25	185	302	279	e259	252	208	150	185	406	49	44	24
26	190	295	296	e278	246	237	126	227	291	57	49	30
27	190	299	302	e267	203	242	114	152	209	60	49	27
28	184	296	300	e378	196	245	128	192	634	59	50	23
29	185	309	315	e241	210	248	135	229	812	62	49	24
30	187	309	360	e229	---	249	146	233	324	60	43	22
31	194	---	407	e199	---	242	---	206	---	58	43	---
TOTAL	3232	8116	9387	9402	8463	6849	7853	7751	12051	2208	1524	1148
MEAN	104	271	303	303	292	221	262	250	402	71.2	49.2	38.3
MAX	194	309	407	378	410	288	410	577	812	193	57	59
MIN	54	203	271	199	196	165	114	132	97	38	40	22
AC-FT	6410	16100	18620	18650	16790	13580	15580	15370	23900	4380	3020	2280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1996, BY WATER YEAR (WY)

MEAN	231	285	303	291	314	357	378	1086	1672	429	167	179
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	37.1	17.8	5.01	5.13	1.37
(WY)	1935	1991	1971	1991	1990	1990	1961	1994	1934	1961	1940	1934

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1912 - 1996	
ANNUAL TOTAL	162354		77984			
ANNUAL MEAN	445		213		474	
HIGHEST ANNUAL MEAN					1318	1922
LOWEST ANNUAL MEAN					52.0	1992
HIGHEST DAILY MEAN	4640	Jun 29	812	Jun 29	9690	Jun 20 1917
LOWEST DAILY MEAN	10	Apr 12	22	Sep 30	1.0	Jul 11 1931
ANNUAL SEVEN-DAY MINIMUM	10	Apr 9	25	Sep 24	1.0	Jul 11 1931
ANNUAL RUNOFF (AC-FT)	322000		154700		343300	
10 PERCENT EXCEEDS	1310		350		1010	
50 PERCENT EXCEEDS	110		220		282	
90 PERCENT EXCEEDS	39		47		33	

e Estimated

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in $NW^1/_4NW^1/_4NE^1/_4$ 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 mi^2.

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

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

REMARKS.--Records fair except for estimated daily 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, e3,000 $ft^3/_s$ June 15, 1995; minimum daily discharge, 11 $ft^3/_s$ Jan. 8, 19, 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 641 $ft^3/_s$ June 5, gage height 6.72 ft; minimum daily discharge, 23 $ft^3/_s$ several days in Feb., April.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	48	37	e41	e30	41	32	34	222	274	129	61
2	110	33	36	e40	e29	36	33	38	263	288	145	57
3	108	39	34	e39	e28	38	30	52	328	268	132	55
4	105	39	35	e39	e26	24	29	53	410	270	124	54
5	102	39	33	e39	e23	25	30	66	496	278	114	55
6	100	74	35	e37	e23	24	34	91	503	278	109	56
7	85	86	34	e33	e24	e24	41	107	456	252	105	57
8	73	85	35	e32	e24	e25	49	108	455	236	103	55
9	72	79	39	e31	e25	25	56	107	455	242	101	53
10	70	65	33	e30	e25	26	53	94	399	235	99	51
11	70	64	32	e30	e25	29	47	110	350	219	97	66
12	67	63	33	e31	e26	29	44	184	344	205	96	85
13	61	61	e35	e32	e26	30	40	294	328	196	94	88
14	62	60	e35	e30	e26	28	36	352	309	186	97	94
15	62	59	e33	e28	e25	28	35	445	302	192	102	91
16	60	53	e32	e26	e24	27	46	394	291	186	99	88
17	59	46	e31	e24	e24	25	25	385	317	217	97	98
18	58	46	e30	e24	e23	24	24	377	307	206	103	87
19	55	45	e29	e25	e24	27	23	326	294	185	98	80
20	53	44	e28	e25	e25	26	23	274	292	174	92	76
21	56	42	e28	e26	e25	29	24	263	350	163	88	78
22	e54	43	e27	e26	e26	31	23	278	405	154	85	82
23	e52	41	e27	e26	e26	29	24	294	320	148	83	77
24	51	40	e27	e27	e26	25	24	236	300	144	81	71
25	53	40	e29	e27	25	28	27	229	276	141	80	68
26	55	41	e31	e27	26	31	29	213	263	138	78	63
27	50	41	e33	e27	e28	27	35	234	290	135	80	59
28	51	42	e34	e27	e32	27	31	275	374	136	81	62
29	50	41	e36	e28	36	27	28	246	303	149	72	60
30	50	38	e39	e29	---	27	28	250	278	148	66	59
31	51	---	e42	e30	---	29	---	222	---	131	64	---
TOTAL	2122	1537	1022	936	755	871	1003	6631	10280	6174	2994	2086
MEAN	68.5	51.2	33.0	30.2	26.0	28.1	33.4	214	343	199	96.6	69.5
MAX	117	86	42	41	36	41	56	445	503	288	145	98
MIN	50	33	27	24	23	24	23	34	222	131	64	51
AC-FT	4210	3050	2030	1860	1500	1730	1990	13150	20390	12250	5940	4140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	61.7	38.9	26.4	27.4	26.2	29.1	39.1	262	590	295	155	120
MAX	107	51.2	33.7	35.2	38.5	40.3	45.0	536	1484	852	269	254
(WY)	1992	1996	1994	1991	1991	1995	1994	1993	1995	1995	1995	1991
MIN	28.2	17.8	13.9	12.4	16.0	21.5	30.7	128	188	100	62.9	61.4
(WY)	1991	1991	1992	1992	1992	1992	1993	1995	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1991 - 1996	
ANNUAL TOTAL	97555		36411			
ANNUAL MEAN	267		99.5		139	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	3000	Jun 15	503	Jun 6	3000	Jun 15 1995
LOWEST DAILY MEAN	27	Dec 22	23	Feb 5	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	28	Dec 19	24	Apr 18	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	193500		72220		101000	
10 PERCENT EXCEEDS	690		278		308	
50 PERCENT EXCEEDS	53		53		44	
90 PERCENT EXCEEDS	30		26		22	

e Estimated

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'13", long 109°55'37", in $SE^1/_4NE^1/_4NW^1/_4$ 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 north-east of Whiterocks.

DRAINAGE AREA.--113 mi^2.

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 sea level, 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 poor. Flow slightly regulated by small mountain lakes.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0345	943	5.18

No other peaks greater than base discharge.

Minimum daily discharge, 20 ft^3/s Jan. 25, 26, Feb. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	44	e32	e30	e22	e23	e27	51	208	156	186	54
2	98	32	e33	e31	e21	e23	e28	60	225	163	223	73
3	95	e33	e32	e32	e21	e23	28	73	256	170	202	72
4	95	e34	e31	e32	e20	e22	28	78	312	165	188	70
5	92	e35	e30	e32	e22	e22	28	103	365	200	179	70
6	66	e35	e29	e31	e21	e23	32	136	345	242	172	78
7	60	e36	e28	e30	e21	e23	38	161	303	198	163	79
8	56	e36	e28	e31	e21	e22	46	167	293	167	158	76
9	55	e36	e29	e31	e22	e22	54	162	287	192	153	73
10	54	e34	e28	e32	e23	e23	57	139	273	192	147	72
11	53	e35	e29	e32	e22	e24	53	159	245	171	133	89
12	51	e39	e28	e31	e22	e25	50	273	218	173	110	e110
13	49	e40	e26	e31	e23	e25	44	396	209	172	108	95
14	49	e39	e27	e31	e23	e25	39	417	189	206	106	102
15	48	e38	e25	e32	e24	e24	37	486	178	231	105	93
16	47	e38	e24	e30	e24	e24	37	611	166	195	102	99
17	46	e38	e22	e29	e24	e24	38	586	154	233	98	132
18	46	e37	21	e28	e24	e23	35	408	146	249	102	111
19	45	e37	e22	e27	e24	e22	35	327	138	171	100	100
20	44	e37	e23	e27	e24	e22	31	250	163	157	92	96
21	46	e36	e24	e26	e25	e22	29	223	219	151	90	103
22	45	e36	e24	e24	e23	e23	28	230	342	148	94	110
23	45	e36	e23	e23	21	e24	29	230	244	164	85	99
24	45	e34	e22	e22	e22	e24	30	188	194	161	79	90
25	47	e32	e22	e20	e22	24	36	178	167	161	77	78
26	49	e31	e21	e20	e22	e24	42	170	163	159	72	75
27	47	e27	e23	e21	e23	e25	51	196	188	155	62	71
28	47	e28	e24	e22	e23	e25	48	234	236	149	69	74
29	46	e30	e25	e23	e23	e25	41	230	185	196	60	70
30	46	e32	e26	e22	---	e26	41	247	164	217	e59	65
31	47	---	e28	e22	---	e26	---	216	---	184	54	---
TOTAL	1763	1055	809	855	652	732	1140	7385	6775	5648	3628	2579
MEAN	56.9	35.2	26.1	27.6	22.5	23.6	38.0	238	226	182	117	86.0
MAX	104	44	33	32	25	26	57	611	365	249	223	132
MIN	44	27	21	20	20	22	27	51	138	148	54	54
AC-FT	3500	2090	1600	1700	1290	1450	2260	14650	13440	11200	7200	5120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1996, BY WATER YEAR (WY)

MEAN	67.1	44.9	34.6	29.4	27.0	27.7	48.5	277	393	181	125	91.6
MAX	155	93.0	58.7	47.2	37.8	41.0	118	584	1178	573	238	190
(WY)	1939	1939	1942	1930	1930	1986	1962	1937	1983	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1930 - 1996	
ANNUAL TOTAL	69161		33021			
ANNUAL MEAN	189		90.2		113	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					42.0	1934
HIGHEST DAILY MEAN	1730	Jun 26	611	May 16	2300	Jun 22 1983
LOWEST DAILY MEAN	21	Dec 18	20	Jan 25	14	Feb 24 1977
ANNUAL SEVEN-DAY MINIMUM	23	Dec 17	21	Feb 2	15	Jan 20 1991
ANNUAL RUNOFF (AC-FT)	137200		65500		81500	
10 PERCENT EXCEEDS	472		216		247	
50 PERCENT EXCEEDS	47		46		50	
90 PERCENT EXCEEDS	28		23		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 sea level. 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 where estimated, 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. Access to gaging station was denied in July, 1994, all subsequent data subject to revision.

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, 1,170 $ft^3/_s$ June 29, gage height, 5.05 ft; minimum discharge, 24.0 $ft^3/_s$ July 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	288	442	512	552	415	407	e162	346	339	61	66
2	248	289	435	503	412	425	400	e195	268	209	60	66
3	232	298	435	450	199	452	449	192	254	169	73	64
4	213	310	433	466	260	448	474	196	252	163	77	61
5	187	313	469	473	e341	401	470	202	e251	151	71	60
6	179	313	501	367	e339	400	469	206	e605	172	65	58
7	183	316	515	407	e329	384	471	210	e566	157	59	75
8	181	342	494	404	e340	394	474	217	e422	129	66	77
9	189	348	456	450	e400	426	481	223	e485	140	75	72
10	171	362	476	467	e409	446	489	257	e529	185	68	64
11	163	362	487	488	e420	467	453	260	e567	189	78	56
12	159	349	483	422	e435	500	435	256	795	116	81	88
13	148	364	491	392	e441	564	424	282	800	91	77	110
14	141	355	508	397	e450	631	392	374	695	82	72	146
15	150	319	449	416	e459	569	351	547	633	67	69	133
16	156	325	452	419	e450	539	322	e482	445	79	79	111
17	154	355	450	392	e401	523	339	e649	346	91	81	120
18	155	351	438	286	e430	489	327	755	251	117	88	124
19	183	358	383	316	e438	461	291	643	231	115	100	119
20	189	357	441	231	e440	437	277	475	387	103	91	112
21	200	357	402	309	e462	444	287	395	414	91	87	104
22	e215	363	449	389	e456	e462	284	352	600	85	75	96
23	e231	364	309	334	e429	e466	e231	392	688	76	66	92
24	248	386	265	236	e372	469	e209	468	507	76	71	84
25	270	408	264	397	e381	420	e181	394	464	70	71	83
26	272	418	267	172	e362	416	e149	553	398	62	80	84
27	273	423	262	227	400	427	e137	417	316	69	81	91
28	277	434	309	302	381	435	e155	377	466	69	77	84
29	273	432	348	289	394	431	e172	520	1010	87	69	85
30	281	449	450	577	---	417	e183	477	575	79	69	79
31	280	---	491	599	---	401	---	395	---	74	68	---
TOTAL	6459	10708	13054	12089	11582	14159	10183	11523	14566	3704	2305	2664
MEAN	208	357	421	390	399	457	339	372	486	119	74.4	88.8
MAX	281	449	515	599	552	631	489	755	1010	339	100	146
MIN	141	288	262	172	199	384	137	162	231	62	59	56
AC-FT	12810	21240	25890	23980	22970	28080	20200	22860	28890	7350	4570	5280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	294	376	406	398	437	484	411	997	1877	511	204	195
MAX	1529	1443	1352	1246	964	1202	1865	4938	7988	3177	926	975
(WY)	1984	1984	1984	1984	1984	1983	1952	1952	1983	1995	1965	1965
MIN	52.9	42.6	39.6	43.3	52.6	86.4	28.5	47.5	50.0	10.1	9.91	18.9
(WY)	1990	1990	1990	1990	1990	1995	1961	1961	1961	1961	1961	1960

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	260826		112996			
ANNUAL MEAN	715		309		548	
HIGHEST ANNUAL MEAN					1736	1983
LOWEST ANNUAL MEAN					76.4	1990
HIGHEST DAILY MEAN	7000	Jun 28	1010	Jun 29	11500	Jun 20 1983
LOWEST DAILY MEAN	42	Apr 13	56	Sep 11	3.2	Aug 9 1961
ANNUAL SEVEN-DAY MINIMUM	44	Apr 8	63	Aug 31	4.2	Aug 7 1961
ANNUAL RUNOFF (AC-FT)	517300		224100		397200	
10 PERCENT EXCEEDS	2560		490		1110	
50 PERCENT EXCEEDS	227		331		330	
90 PERCENT EXCEEDS	70		77		57	

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, 1994, 1995; minimum, 0.0°C on many days during winter period each year.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,950 microsiemens Aug. 23, 25; minimum daily, 550 microsiemens, June 28, 29.
WATER TEMPERATURES: Maximum, 29.0°C July 20; minimum, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT											
03...	1300	233	1380	8.4	17.0	12.0	8.8	639	470	94	57
DEC											
11...	1400	390	890	8.4	12.0	3.0	11.0	640	320	68	36
APR											
02...	1400	388	900	8.4	9.5	10.0	8.7	630	330	71	36
MAY											
15...	1315	544	870	8.3	32.0	19.0	7.3	635	280	59	31
JUL											
09...	1315	121	1390	8.4	25.5	24.0	6.4	641	430	87	52
AUG											
20...	1330	89	1410	8.4	20.5	23.0	6.7	642	390	80	47

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT											
03...	130	37	3	3.8	400	50	0.50	13	964	919	1.31
DEC											
11...	67	31	2	1.9	200	26	0.40	9.8	--	544	0.74
APR											
02...	71	32	2	2.0	210	31	0.40	8.4	588	567	0.80
MAY											
15...	74	37	2	2.3	210	28	0.40	8.2	572	537	0.78
JUL											
09...	130	39	3	5.4	360	82	0.60	15	960	891	1.31
AUG											
20...	140	43	3	3.5	420	59	0.60	11	972	924	1.32

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT										
03...	606	0.050	--	<0.010	0.050	0.050	<0.015	--	0.010	0.03
DEC										
11...	573	0.140	--	<0.010	0.140	0.140	<0.015	--	<0.010	--
APR										
02...	616	0.060	--	<0.010	0.060	0.060	<0.015	--	<0.010	--
MAY										
15...	840	--	--	<0.010	--	<0.050	<0.015	--	<0.010	--
JUL										
09...	314	--	--	--	--	--	--	--	--	--
AUG										
20...	233	0.150	0.150	0.010	0.160	0.160	0.020	0.03	0.010	0.03

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT			
03...	1300	630	<1
APR			
02...	1400	370	<1
MAY			
15...	1315	390	<1
JUL			
09...	1315	455	<1
AUG			
20...	1330	725	<1

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	1180	940	770	890	960	980	1520	1450	770	1720	1620
2	1380	1160	950	800	900	970	950	1430	1440	890	1890	1830
3	1420	1160	840	930	860	960	900	1380	1380	1230	1750	1800
4	1350	1100	900	840	800	1030	910	1460	1310	1170	1650	1700
5	1420	1160	870	780	780	970	890	1350	1350	1200	1650	1890
6	1510	1060	850	830	780	970	910	1370	1060	1040	1830	1890
7	1500	1030	840	780	790	1010	890	1370	670	1280	1770	1680
8	1420	1010	860	760	770	1060	910	1360	670	1280	1890	1690
9	1490	970	890	790	780	1060	890	1350	700	1150	1890	1650
10	1460	950	860	750	820	1060	880	1380	690	1150	1850	1690
11	1470	960	830	790	790	950	870	1250	770	1230	1740	1720
12	1550	1020	860	830	860	890	870	1360	770	1210	1740	1700
13	1600	990	880	790	860	890	1130	1350	580	1280	1630	1720
14	1590	1040	880	820	860	970	1150	1140	580	1700	1640	1700
15	1410	1040	850	810	880	980	1140	860	630	1700	1640	1680
16	1670	1120	840	860	860	970	1130	870	890	1820	1460	1560
17	1710	980	850	840	1000	980	1140	610	910	1350	1670	1680
18	1680	1000	820	840	1150	910	1140	710	920	1350	1690	1590
19	1510	1010	860	990	1130	900	1140	780	960	1340	1680	1580
20	1420	1000	930	920	1260	920	1200	840	790	1420	1690	1550
21	1430	1000	920	940	1230	880	1160	980	740	1520	1890	1690
22	1390	1050	630	930	1240	870	1130	960	740	1470	1880	1700
23	1160	970	870	960	1270	920	1140	1370	780	1560	1950	1690
24	1100	1020	860	960	1160	920	1160	1350	790	1510	1680	1740
25	1100	1090	1000	980	1010	920	1250	1560	780	1600	1950	1750
26	1060	900	1000	1030	990	920	1370	1550	840	1640	1920	1760
27	1120	950	970	1030	1070	930	1420	1450	840	1760	1780	1750
28	1140	940	960	940	1010	890	1450	1460	550	1690	1870	1760
29	1190	870	920	950	1000	960	1420	1200	550	1640	1880	1720
30	1110	920	870	760	---	980	1520	1190	770	1750	1840	1860
31	1100	---	770	760	---	970	---	---	---	1770	1840	---
MEAN	1380	1020	876	863	959	954	1100	1230	863	1400	1770	1710

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	7.0	1.0	.0	.0	.0	---	11.0	23.0	24.0	25.0	24.0
2	14.0	4.0	1.0	.0	.0	.0	---	15.0	23.0	21.0	25.0	24.0
3	11.0	4.0	1.0	.0	.0	.0	---	15.0	23.0	21.0	22.0	24.0
4	11.0	8.0	1.0	.0	.0	.0	---	12.0	21.0	27.0	22.0	24.0
5	14.0	8.0	4.0	.0	.0	.0	---	16.0	22.0	28.0	22.0	20.0
6	12.0	6.0	4.0	.0	.0	.0	16.0	16.0	20.0	27.0	21.0	25.0
7	12.0	6.0	4.0	.0	.0	.0	16.0	16.0	19.0	23.0	21.0	20.0
8	11.0	7.0	4.0	.0	.0	.0	16.0	18.0	19.0	22.0	19.0	23.0
9	10.0	7.0	4.0	.0	.0	.0	13.0	17.0	24.0	21.0	20.0	23.0
10	14.0	5.0	4.0	.0	.0	.0	15.0	19.0	24.0	22.0	20.0	19.0
11	14.0	5.0	4.0	.0	.0	.0	15.0	19.0	24.0	21.0	26.0	19.0
12	14.0	6.0	2.0	.0	.0	.0	11.0	19.0	24.0	21.0	20.0	19.0
13	14.0	6.0	4.0	.0	.0	.0	13.0	19.0	24.0	21.0	26.0	20.0
14	10.0	8.0	1.0	.0	.0	.0	13.0	18.0	24.0	21.0	26.0	20.0
15	10.0	9.0	1.0	.0	.0	---	12.0	16.0	25.0	25.0	26.0	20.0
16	10.0	2.0	1.0	.0	.0	---	12.0	16.0	20.0	25.0	21.0	20.0
17	14.0	6.0	.0	.0	.0	---	10.0	19.0	20.0	28.0	21.0	14.0
18	13.0	6.0	.0	.0	.0	---	10.0	17.0	20.0	28.0	25.0	15.0
19	11.0	3.0	.0	.0	.0	---	12.0	19.0	19.0	25.0	25.0	14.0
20	10.0	2.0	.0	.0	.0	.0	7.0	13.0	22.0	29.0	25.0	15.0
21	10.0	---	.0	.0	.0	---	12.0	15.0	22.0	20.0	25.0	18.0
22	6.0	---	.0	.0	.0	---	10.0	14.0	22.0	27.0	25.0	18.0
23	5.0	1.0	.0	.0	.0	---	12.0	14.0	22.0	27.0	25.0	18.0
24	5.0	1.0	.0	.0	.0	---	18.0	14.0	22.0	27.0	26.0	18.0
25	5.0	1.0	.0	.0	.0	---	11.0	14.0	17.0	25.0	22.0	18.0
26	9.0	.0	.0	.0	.0	---	14.0	14.0	21.0	26.0	22.0	15.0
27	10.0	6.0	.0	.0	.0	---	10.0	14.0	21.0	26.0	20.0	15.0
28	10.0	4.0	.0	.0	.0	---	12.0	14.0	22.0	25.0	26.0	15.0
29	11.0	4.0	.0	.0	.0	---	12.0	14.0	22.0	26.0	25.0	16.0
30	8.0	4.0	.0	.0	---	---	11.0	16.0	24.0	27.0	25.0	12.0
31	8.0	---	.0	.0	---	---	---	---	---	28.0	25.0	---
MEAN	10.7	4.9	1.3	.0	.0	.0	12.5	15.8	21.8	24.6	23.4	18.8

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'44", long 109°10'41" (REVISED), in $SE^1/_4SW^1/_4NE^1/_4$ sec. 2, T. 10 S., R. 24 E., Uintah County, Hydrologic Unit 14050007, on left 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 mi^2, 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 sea level. 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 $ft^3/_s$ July 15, 1929; maximum gage height, 13.1 ft Feb. 11, 1962, from floodmark in well (backwater from ice); minimum, 11 $ft^3/_s$ Dec. 6, 1972, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 19	0526	*3,310	*5.72				

Minimum daily discharge, 215 $ft^3/_s$ Feb. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e721	e541	e490	e360	e390	e375	e598	1010	1460	1090	535	269
2	e609	e562	e478	e360	e380	e370	e605	976	1510	1030	492	260
3	e561	e540	e466	e394	e380	e390	e620	974	1580	968	495	265
4	e600	e519	e459	e370	e380	e360	e636	1020	1720	941	483	265
5	e654	e470	e453	e380	e370	e360	620	1120	1880	910	461	241
6	e701	e479	e481	e390	e380	e390	622	1260	2050	915	457	246
7	e598	e487	e489	e375	e390	e380	626	1470	2240	923	408	238
8	e581	e490	e498	e390	e410	e370	626	1670	2340	855	386	301
9	e570	e489	e506	e420	e415	e360	638	1760	2340	804	374	301
10	e554	e471	e490	e423	e415	e400	719	1900	2290	779	e352	292
11	e538	e519	e466	e420	e420	e440	882	1920	2250	768	351	291
12	e530	e511	e445	e430	e430	e470	1070	1880	2180	734	352	351
13	e522	e480	e440	e410	e450	e510	1130	2050	2030	711	345	360
14	e560	e490	e437	e420	e430	e515	1080	2320	2010	664	364	413
15	e558	e497	e441	e430	e410	e480	1020	2370	1920	646	325	447
16	e540	e490	e412	e425	e390	e485	962	2460	1870	618	329	417
17	e521	e485	e486	e425	e380	e500	918	2650	1850	690	293	448
18	e511	e481	e406	e420	e380	e500	846	3000	1780	700	291	465
19	e491	e480	e384	e390	e400	e490	827	3190	1720	674	e281	493
20	e483	e481	e360	e370	e420	e480	815	2990	1710	704	e318	479
21	e478	e473	e345	e390	e440	e480	774	2730	1700	665	350	487
22	e470	e470	e340	e390	e480	e540	743	2360	1870	600	353	487
23	e490	e461	e365	e390	e510	e620	716	2110	2150	521	316	494
24	e517	e459	e321	e390	e520	e710	684	2110	1920	516	310	496
25	e539	e455	e270	e390	e430	e721	669	2070	1650	517	309	512
26	e522	e450	e215	e380	e430	e620	743	1880	1460	489	284	525
27	e520	e449	e220	e370	e420	e563	935	1860	1340	477	292	533
28	e538	e489	e245	e350	e420	e542	1020	1740	1290	464	302	547
29	e519	e439	e260	e370	e400	e565	1090	1630	1250	465	320	534
30	e514	e449	e290	e380	---	e600	1090	1650	1160	480	304	519
31	e520	---	e340	e390	---	e622	---	1470	---	573	287	---
TOTAL	17030	14556	12298	12192	12070	15208	24324	59600	54520	21891	11119	11976
MEAN	549	485	397	393	416	491	811	1923	1817	706	359	399
MAX	721	562	506	430	520	721	1130	3190	2340	1090	535	547
MIN	470	439	215	350	370	360	598	974	1160	464	281	238
AC-FT	33780	28870	24390	24180	23940	30170	48250	118200	108100	43420	22050	23750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924-79, 1986-96, BY WATER YEAR (WY)

MEAN	463	424	360	354	427	578	706	1585	1817	727	474	433
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	279	176	160	246	336	368	384	227	109	142	208
(WY)	1964	1995	1995	1937	1949	1952	1961	1977	1934	1934	1994	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1924-79, 1986-96	
ANNUAL TOTAL	343186		266784			
ANNUAL MEAN	940		729		696	
HIGHEST ANNUAL MEAN					1736	1929
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	4660	Jun 19	3190	May 19	8160	Jul 15 1929
LOWEST DAILY MEAN	150	Jan 1	215	Dec 26	13	Jul 3 1977
ANNUAL SEVEN-DAY MINIMUM	153	Jan 1	255	Sep 1	33	Jun 28 1977
ANNUAL RUNOFF (AC-FT)	680700		529200		504100	
10 PERCENT EXCEEDS	3030		1750		1580	
50 PERCENT EXCEEDS	500		490		442	
90 PERCENT EXCEEDS	279		345		285	

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 September 1993.

WATER TEMPERATURES: December 1950 to September 1979, October 1986 to September 1993.

SUSPENDED-SEDIMENT DISCHARGE: October 1976 to June 1979, October 1985 to September 1990.

INSTRUMENTATION.--Water-quality monitor November 1985 to September 1993.

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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
OCT											
05...	0815	632	690	8.4	2.0	9.5	9.7	642	260	66	24
DEC											
13...	1030	465	750	8.4	4.0	3.5	10.6	630	280	68	27
APR											
04...	0930	622	870	8.6	8.5	8.5	9.4	635	330	76	34
MAY											
17...	0935	2830	350	8.3	20.5	13.5	7.5	634	150	39	12
JUL											
11...	0900	747	520	8.5	18.0	21.0	6.9	639	210	55	17
AUG											
22...	0900	359	690	8.5	16.5	20.5	7.0	639	260	61	25

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT										
05...	46	27	1	2.1	160	11	0.20	12	452	434
DEC										
13...	50	28	1	1.4	180	13	0.20	12	470	465
APR										
04...	63	29	2	2.1	240	16	0.30	9.9	582	557
MAY										
17...	14	17	0.5	1.1	56	3.1	0.10	12	228	210
JUL										
11...	25	21	0.8	1.4	100	8.1	0.20	13	348	317
AUG										
22...	45	28	1	1.7	160	14	0.30	12	440	428

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT										
05...	0.61	771	0.090	<0.010	0.090	0.090	<0.015	--	<0.010	--
DEC										
13...	0.64	590	0.060	<0.010	0.060	0.060	<0.015	--	0.010	0.03
APR										
04...	0.79	977	0.050	<0.010	0.050	0.050	<0.015	--	<0.010	--
MAY										
17...	0.31	1740	0.220	<0.010	0.220	0.220	0.020	0.03	0.010	0.03
JUL										
11...	0.47	702	--	--	--	--	--	--	--	--
AUG										
22...	0.60	426	0.070	<0.010	0.070	0.070	<0.015	--	<0.010	--

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT			
05...	0815	50	<1
APR			
04...	0930	50	2
MAY			
17...	0935	30	<1
JUL			
11...	0900	36	<1
AUG			
22...	0900	66	<1

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT (Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in $NW^1/_4NW^1/_4NE^1/_4$ 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 sea level, 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, 66 $ft^3/_s$ June 17, 1993, gage height, 2.46 ft; no flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.00	e1.4	e.80	9.9	18	8.6
2	---	---	---	---	---	---	e.00	e1.8	e.60	10	20	8.7
3	---	---	---	---	---	---	e.00	e2.4	e.50	15	19	8.6
4	---	---	---	---	---	---	e.00	e2.8	e.40	12	17	8.5
5	---	---	---	---	---	---	e.00	e3.3	1.2	14	16	8.3
6	---	---	---	---	---	---	e.00	e3.9	1.3	18	15	7.8
7	---	---	---	---	---	---	e.00	e4.5	e.56	20	14	7.5
8	---	---	---	---	---	---	e.00	e5.0	e.38	19	14	7.8
9	---	---	---	---	---	---	e.00	e6.0	e.32	18	14	8.6
10	---	---	---	---	---	---	e.00	e6.6	e.50	17	15	8.4
11	---	---	---	---	---	---	e.00	e7.6	1.8	14	15	8.2
12	---	---	---	---	---	---	e.00	e8.6	2.0	14	15	8.2
13	---	---	---	---	---	---	e.00	e9.4	2.7	14	17	8.4
14	---	---	---	---	---	---	e.00	e8.0	5.7	13	16	8.4
15	---	---	---	---	---	---	e.00	e8.0	5.0	15	18	8.8
16	---	---	---	---	---	---	e.00	e10	4.4	17	17	11
17	---	---	---	---	---	---	e.00	e11	6.2	16	14	6.8
18	---	---	---	---	---	---	e.00	e10	8.5	10	6.4	6.6
19	---	---	---	---	---	---	e.00	e9.0	8.1	8.6	15	6.6
20	---	---	---	---	---	---	e.00	e8.0	7.2	15	15	6.5
21	---	---	---	---	---	---	e.00	e7.6	5.9	16	13	6.2
22	---	---	---	---	---	---	e.00	e8.4	3.4	17	15	6.0
23	---	---	---	---	---	---	e.00	e8.0	2.5	18	15	5.8
24	---	---	---	---	---	---	e.00	e7.0	5.2	20	15	5.6
25	---	---	---	---	---	---	e.00	e6.0	8.7	20	11	5.8
26	---	---	---	---	---	---	e.20	e5.6	7.5	20	6.3	5.5
27	---	---	---	---	---	---	e.30	e5.2	6.6	18	6.4	5.1
28	---	---	---	---	---	---	e.45	e4.7	4.0	17	7.1	4.5
29	---	---	---	---	---	---	e.60	e3.5	4.9	17	7.8	3.1
30	---	---	---	---	---	---	e1.0	e2.0	6.3	17	8.8	2.8
31	---	---	---	---	---	---	---	e1.0	---	17	9.6	---
TOTAL	---	---	---	---	---	---	2.55	186.3	113.16	486.5	425.4	212.7
MEAN	---	---	---	---	---	---	.085	6.01	3.77	15.7	13.7	7.09
MAX	---	---	---	---	---	---	1.0	11	8.7	20	20	11
MIN	---	---	---	---	---	---	.00	1.0	.32	8.6	6.3	2.8
AC-FT	---	---	---	---	---	---	5.1	370	224	965	844	422

e Estimated

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW$^1/_4$SE$^1/_4$SW$^1/_4$ 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 mi^2.

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 sea level, 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 ft$^3/_s$ 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, 345 ft$^3/_s$ May 15, gage height, 3.36 ft; minimum daily discharge, 2.1 ft$^3/_s$ Jan. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.6	5.2	e2.8	e2.8	4.0	4.8	42	78	15	5.4	2.5
2	4.9	4.8	5.1	2.9	e2.6	4.2	5.4	53	80	14	5.5	2.5
3	4.7	4.4	4.8	2.7	e2.3	4.3	e5.2	59	85	14	5.3	2.5
4	4.7	4.5	4.9	3.0	e2.3	4.0	e5.2	60	96	13	4.2	2.8
5	5.1	4.5	5.5	2.9	e2.8	e3.9	e5.4	75	115	13	4.4	2.9
6	5.3	4.5	5.7	2.7	e3.3	e3.8	e5.8	95	116	12	4.0	2.6
7	4.9	4.6	5.3	2.7	3.7	4.2	6.3	104	106	11	4.0	2.7
8	4.6	4.7	5.2	2.8	3.5	4.1	7.8	117	69	11	4.0	2.7
9	4.6	5.4	4.8	2.7	3.6	4.2	10	131	56	12	3.8	2.7
10	4.4	5.9	4.7	2.9	3.5	4.0	13	149	52	11	3.9	2.8
11	4.5	5.2	4.7	2.9	3.6	4.1	13	175	47	10	3.8	2.9
12	4.4	5.3	5.1	2.8	3.5	4.4	12	203	42	9.3	3.7	3.2
13	4.2	5.5	5.5	2.8	3.6	4.6	11	239	40	9.2	3.5	3.8
14	4.2	5.5	4.8	2.9	3.7	e4.5	e10	256	34	8.7	3.5	5.4
15	4.4	5.5	4.4	2.9	3.8	e4.4	e9.6	271	32	8.2	3.4	4.5
16	4.4	5.3	4.5	e2.9	3.7	4.3	9.4	e280	30	8.1	3.3	3.9
17	4.3	5.0	4.5	e2.7	3.8	e4.3	10	254	27	9.1	3.3	4.5
18	4.4	4.9	4.2	e2.4	4.0	e4.4	9.9	218	24	8.3	3.5	4.3
19	4.1	4.8	4.0	e2.5	3.9	e4.4	e8.0	196	23	7.2	3.2	4.0
20	4.2	4.9	4.0	e2.6	e3.9	e4.5	e7.8	166	23	6.9	3.2	3.6
21	4.3	5.1	3.7	e2.7	e3.9	4.5	e7.4	147	26	6.7	3.0	3.6
22	5.1	4.8	3.5	e2.8	e3.5	4.7	e7.8	136	24	6.2	2.8	3.5
23	5.1	4.7	e3.3	e2.7	e3.2	e4.7	8.1	150	21	5.9	2.8	3.2
24	5.1	4.8	3.1	e2.7	e3.3	e4.7	12	117	19	5.8	2.9	3.2
25	5.0	5.0	2.9	e2.8	e3.4	e4.5	17	105	18	5.9	3.1	3.0
26	5.1	5.2	2.7	e2.5	e3.3	e4.1	24	89	17	6.0	3.2	2.9
27	5.3	5.4	2.6	e2.1	e3.1	e4.3	32	96	19	5.8	3.3	2.9
28	5.4	5.0	2.2	e2.5	e2.9	e4.6	31	109	18	5.9	3.1	3.0
29	5.3	5.1	2.2	e2.7	e3.5	4.9	27	87	17	6.2	2.6	3.1
30	5.1	5.2	2.4	e2.8	---	e4.9	33	80	15	5.6	2.5	3.2
31	5.5	---	e2.6	e3.1	---	e4.8	---	78	---	5.4	2.5	---
TOTAL	148.1	151.1	128.1	84.9	98.0	135.3	368.9	4337	1369	276.4	110.7	98.4
MEAN	4.78	5.04	4.13	2.74	3.38	4.36	12.3	140	45.6	8.92	3.57	3.28
MAX	5.5	5.9	5.7	3.1	4.0	4.9	33	280	116	15	5.5	5.4
MIN	4.1	4.4	2.2	2.1	2.3	3.8	4.8	42	15	5.4	2.5	2.5
AC-FT	294	300	254	168	194	268	732	8600	2720	548	220	195

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1996, BY WATER YEAR (WY)

MEAN	4.90	4.55	3.81	3.45	3.41	4.24	18.3	100	61.1	13.9	7.23	5.00
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1941 - 1996	
ANNUAL TOTAL	11435.0		7305.9			
ANNUAL MEAN	31.3		20.0		19.2	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	254	Jun 5	280	May 16	419	May 22 1984
LOWEST DAILY MEAN	2.2	Dec 28	2.1	Jan 27	.00	Sep 23 1966
ANNUAL SEVEN-DAY MINIMUM	2.5	Dec 25	2.5	Dec 26	.06	Sep 22 1966
ANNUAL RUNOFF (AC-FT)	22680		14490		13940	
10 PERCENT EXCEEDS	127		59		49	
50 PERCENT EXCEEDS	6.9		4.7		5.0	
90 PERCENT EXCEEDS	4.0		2.8		2.6	

e Estimated

09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW$^1/_4$NE$^1/_4$SW$^1/_4$ 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 mi^2.

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 sea level, 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 ft$^3/_s$ May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft$^3/_s$ Oct. 31, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
May 15	2102	*758	*4.15	No other peak greater than base discharge.			

Minimum daily discharge, 6.8 ft$^3/_s$, Dec. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	e15	e10	e10	e15	e35	179	200	37	15	8.8
2	15	e13	e14	e11	e9.0	e17	e45	201	194	38	15	8.8
3	14	e11	e12	e12	e8.4	e18	e43	222	192	37	14	8.8
4	14	e12	e13	e11	e8.4	e17	e55	222	193	36	13	8.8
5	15	e12	13	e13	e10	e16	65	260	202	35	12	8.8
6	16	e12	13	e12	e11	e15	79	310	197	31	12	8.8
7	16	e12	e12	e12	e13	e17	97	335	182	29	11	8.3
8	15	e12	e12	e12	e13	e18	101	348	146	28	11	8.2
9	14	12	e11	e11	e13	e18	95	368	126	29	11	8.2
10	14	e15	e11	e12	e13	e18	91	390	119	27	11	8.4
11	14	e15	e11	e12	e13	e18	76	420	111	26	11	8.9
12	13	e14	13	e11	e13	e19	68	484	103	25	11	9.5
13	13	14	13	e11	e13	e21	58	565	97	24	11	11
14	13	13	e12	e12	e14	e21	55	606	88	23	10	14
15	13	13	e10	e12	e14	e20	49	632	80	22	10	13
16	13	e12	e10	e12	e14	e19	49	654	73	22	10	11
17	13	e11	e10	e11	e14	e19	49	613	67	24	10	12
18	13	e11	9.4	e10	e15	e19	45	537	62	22	11	12
19	13	e11	e9.0	e11	e15	e19	51	478	58	19	10	12
20	12	e11	e9.0	e11	e15	e19	42	408	58	18	9.8	12
21	12	e13	e8.4	e11	e15	e19	46	366	68	17	9.8	11
22	13	e12	e8.2	e12	e14	e20	40	344	59	17	9.3	11
23	e13	e12	e8.0	e11	e12	e20	42	352	50	17	9.0	10
24	e14	e13	e7.8	e11	e12	e20	56	297	46	17	9.5	10
25	e15	e14	e7.6	e12	e13	e19	76	274	44	16	9.8	9.8
26	15	e15	e7.6	e10	e12	e17	105	242	43	16	10	9.4
27	15	e16	e7.3	e8.2	e11	e20	132	234	46	16	10	9.3
28	14	e15	e6.8	e9.0	e10	e25	134	251	42	16	10	9.3
29	14	15	e7.0	e9.6	e12	e30	119	225	37	16	9.3	9.4
30	14	e15	e8.0	e10	---	e30	142	212	36	15	8.8	9.8
31	13	---	e9.0	e11	---	e30	---	207	---	15	8.9	---
TOTAL	431	389	318.1	343.8	359.8	613	2140	11236	3019	730	333.2	300.3
MEAN	13.9	13.0	10.3	11.1	12.4	19.8	71.3	362	101	23.5	10.7	10.0
MAX	16	16	15	13	15	30	142	654	202	38	15	14
MIN	12	11	6.8	8.2	8.4	15	35	179	36	15	8.8	8.2
AC-FT	855	772	631	682	714	1220	4240	22290	5990	1450	661	596

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	11.5	11.2	9.73	8.88	9.33	13.1	61.5	266	141	30.3	14.8	11.1
MAX	26.7	28.8	19.3	20.3	21.2	42.7	167	681	731	99.6	37.5	27.0
(WY)	1983	1983	1985	1971	1994	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	29951.7		20213.2			
ANNUAL MEAN	82.1		55.2		49.2	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	665	Jun 5	654	May 16	1310	May 22 1984
LOWEST DAILY MEAN	6.8	Dec 28	6.8	Dec 28	2.6	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	7.4	Dec 23	7.4	Dec 23	2.8	Jan 29 1979
ANNUAL RUNOFF (AC-FT)	59410		40090		35680	
10 PERCENT EXCEEDS	328		185		126	
50 PERCENT EXCEEDS	16		14		12	
90 PERCENT EXCEEDS	9.0		9.4		7.0	

e Estimated

09310700 MUD CREEK BELOW WINTER QUARTERS CANYON, AT SCOFIELD, UT

LOCATION.--Lat 39°43'18", long 111°09'38", in $SW^1/_4NE^1/_4$ 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 mi^2.

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 above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 389 $ft^3/_s$ May 21, 1984, gage height, 3.30 ft; minimum, 1.4 $ft^3/_s$ Sept. 8, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 $ft^3/_s$ May 17, gage height, 3.04 ft; minimum daily discharge, 4.6 $ft^3/_s$ Dec. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	8.9	7.8	6.9	e6.0	e8.2	11	40	51	13	7.2	6.0
2	7.4	8.1	7.0	e6.4	e5.6	e8.4	11	41	52	13	7.2	5.0
3	7.7	8.3	8.9	5.9	e5.3	e8.5	9.9	41	54	12	6.6	5.4
4	7.8	e8.5	8.5	5.8	e5.3	8.1	10	41	59	12	6.6	5.8
5	7.5	e8.5	8.1	5.9	e5.5	7.6	11	45	65	12	6.5	5.4
6	7.5	8.6	8.5	e6.0	6.1	7.8	12	49	65	12	6.5	5.3
7	7.3	8.4	8.0	6.1	6.0	e7.7	15	50	60	11	6.7	5.8
8	7.9	8.6	8.3	6.0	5.9	e7.9	21	51	55	11	6.6	5.6
9	8.1	8.4	8.7	5.5	6.4	e8.1	24	53	51	11	6.6	5.9
10	7.5	8.6	8.1	5.7	6.9	8.3	25	53	48	9.9	6.3	5.7
11	8.5	e8.9	8.0	5.8	6.7	8.1	22	55	43	9.9	6.5	6.0
12	8.3	9.1	8.1	6.0	6.2	8.1	19	63	38	9.6	6.6	5.9
13	8.2	8.8	8.2	6.2	e7.0	8.3	17	74	34	9.0	6.3	7.8
14	8.1	8.8	7.8	6.3	7.2	7.9	15	80	31	9.2	6.4	8.5
15	8.4	8.9	e7.8	6.0	7.3	8.5	14	89	29	8.3	6.5	7.1
16	8.6	8.8	7.8	5.7	7.3	8.3	15	100	27	8.4	6.2	7.5
17	8.9	8.6	7.3	e5.5	7.4	8.1	15	103	25	9.7	6.8	7.4
18	8.7	8.6	e7.0	e5.3	7.4	e8.1	14	100	23	8.9	6.7	6.7
19	8.7	8.9	e6.2	e5.5	6.7	e8.5	13	98	21	7.9	6.4	6.8
20	9.2	8.5	e6.2	e5.7	e6.7	e9.4	12	88	22	7.8	6.2	6.9
21	9.3	8.5	e5.8	e5.9	e6.7	11	12	76	22	7.9	6.3	6.8
22	9.3	8.8	e5.6	6.1	e6.3	11	12	75	21	7.3	6.1	6.7
23	9.2	8.7	e5.4	e5.7	e6.0	11	14	77	19	7.4	6.2	6.5
24	8.8	8.6	e5.2	e6.0	e7.0	9.5	19	64	18	7.1	6.1	6.5
25	8.8	8.9	e5.0	e6.4	e8.4	9.3	23	59	17	6.8	6.2	7.0
26	8.8	9.0	e4.9	e6.0	e8.0	e8.3	28	53	18	6.9	6.3	7.6
27	9.1	e8.7	e4.8	e5.0	e7.8	e8.4	33	49	19	7.1	6.3	7.5
28	9.4	e8.4	e4.6	e5.7	e7.6	e8.6	30	53	16	7.7	6.2	7.8
29	9.5	8.1	e5.2	e6.0	e8.0	8.8	28	48	15	6.9	5.8	7.6
30	9.4	7.3	5.7	e6.3	---	10	33	49	15	7.2	5.2	7.6
31	9.8	---	7.0	e6.6	---	10	---	50	---	7.2	6.3	---
TOTAL	263.1	257.8	215.5	183.9	194.7	269.8	537.9	1967	1033	285.1	198.4	198.1
MEAN	8.49	8.59	6.95	5.93	6.71	8.70	17.9	63.5	34.4	9.20	6.40	6.60
MAX	9.8	9.1	8.9	6.9	8.4	11	33	103	65	13	7.2	8.5
MIN	7.3	7.3	4.6	5.0	5.3	7.6	9.9	40	15	6.8	5.2	5.0
AC-FT	522	511	427	365	386	535	1070	3900	2050	565	394	393

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-96, BY WATER YEAR (WY)

MEAN	7.14	6.38	5.62	5.37	5.69	7.81	17.5	58.9	52.4	13.7	8.04	7.98
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	6.34	3.43	2.91	2.03
(WY)	1979	1980	1980	1980	1979	1979	1979	1992	1994	1981	1992	1979

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1979-86, 1991-96	
ANNUAL TOTAL	6083.5		5604.3			
ANNUAL MEAN	16.7		15.3		16.4	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	131	Jun 6	103	May 17	300	May 24 1984
LOWEST DAILY MEAN	4.1	Jan 17	4.6	Dec 28	1.6	Sep 8 1979
ANNUAL SEVEN-DAY MINIMUM	4.5	Jan 14	5.0	Dec 23	1.6	Jan 11 1980
ANNUAL RUNOFF (AC-FT)	12070		11120		11890	
10 PERCENT EXCEEDS	40		46		38	
50 PERCENT EXCEEDS	8.7		8.2		7.4	
90 PERCENT EXCEEDS	5.1		5.9		3.5	

e Estimated

09311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in $NW^1/_4SE^1/_4$ 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 mi^2.

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 sea level (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.--Records 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, 44,320 acre-ft June 11, elevation, 7,609.44 ft; minimum observed, 17,120 acre-ft Sept. 29, 30, elevation, 7,597.20 ft.

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

7,596	14,810	7,608	40,740
7,600	22,750	7,610	45,726
7,605	33,603		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30880	27810	28460	29550	30880	31780	27810	22710	41230	41480	31330	20510
2	30660	28030	28670	29550	30880	31780	27810	22750	41730	41230	30880	20510
3	30440	28030	28670	29550	30880	31780	27590	22960	42100	40980	30660	20110
4	30220	28240	28670	29550	30880	31780	27380	23170	42710	40740	30220	19700
5	30000	28240	28670	29550	31110	31560	26940	23370	43210	40490	30000	19500
6	30000	28240	28670	29770	31110	31560	26520	23580	43210	40010	29550	19300
7	29770	28240	28670	29770	31110	31560	26310	24000	43590	39770	29110	18900
8	29550	28240	28890	29770	31110	31560	26100	24410	43960	39520	28890	18700
9	29330	28240	28890	29770	31110	31560	25880	25460	44140	39520	28460	18500
10	29330	28240	28890	29770	31330	31330	25670	26100	44140	39280	28030	18300
11	29330	28240	28890	29770	31330	31330	25460	26730	44320	38800	27810	18110
12	29110	28240	28890	29770	31330	31330	25250	27590	44260	38550	27380	17910
13	29110	28240	29110	29770	31330	31330	25040	28460	44260	38310	27160	17710
14	29110	28240	29110	30000	31330	31110	24830	29330	44260	37830	26730	17710
15	28890	28240	29110	30000	31560	30880	24620	30440	44260	37600	26520	17710
16	28890	28240	29110	30000	31560	30660	24410	31780	44160	37120	26100	17520
17	28890	28240	29110	30000	31560	30440	24200	32920	44160	36640	25670	17520
18	28670	28240	29330	30000	31560	30220	24000	34070	43860	36170	25460	17520
19	28670	28240	29330	30000	31560	30000	23790	34530	e43860	35930	24830	17520
20	28670	28240	29330	30220	31560	29890	23370	35000	e43860	35700	24620	17520
21	28460	28240	29330	30220	31560	29770	23170	35460	e43860	35230	24410	17520
22	28460	28240	29330	30220	31560	29550	22960	35930	e42860	35000	24000	17320
23	28460	28240	29330	30220	31560	29330	22750	36880	e42860	34530	23580	17320
24	28240	28240	29330	30440	31560	29110	22550	37600	e42860	34070	23170	17320
25	28240	28240	29330	30440	31560	29110	22340	38070	42860	33840	22960	17320
26	28030	28240	29330	30440	31560	28890	22340	38550	42710	33600	22550	17320
27	28030	28460	29330	30440	31560	28890	22340	39040	42470	33150	22340	17320
28	27810	28460	29330	30660	31560	28670	22440	39520	42220	32690	21930	17320
29	27810	28460	29330	30660	31560	28460	22550	40250	41970	32470	21520	17120
30	27810	28460	29550	30660	---	28240	22650	40490	41730	32240	21320	17120
31	27810	---	29550	30660	---	28030	---	40740	---	31780	20710	---
MAX	30900	28500	29500	30700	31600	31800	27800	40700	44300	41500	31300	20500
MIN	27800	27800	28500	29500	30900	28000	22300	22700	41200	31800	20700	17100
(#)	7602.4	7602.7	7603.2	7603.7	7604.1	7602.5	7599.9	7608.0	7608.4	7604.2	7599.0	7597.2
(*)	-3300	+650	+1090	+1110	+900	-3530	-5380	+18090	+990	-9950	-11070	-3590

CAL YR 1995 . . . . . (*) +17130
WTR YR 1996. . . . . (*) -13990

(e) Estimated.
(#) 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 $NE^1/_4SE^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--May 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,230 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage (ft)
May 14	1200	*261	*3.13	No other peak greater than base discharge.			

Minimum daily discharge, 2.8 ft^3/s Sept. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	7.9	e7.4	e4.6	e3.8	e6.3	e25	178	e68	23	6.9	3.1
2	7.7	e7.3	e6.8	e4.3	e3.7	e6.5	e25	198	e64	22	7.2	3.0
3	7.7	e7.6	e8.2	e3.8	e3.5	e6.7	e23	211	e62	21	6.7	2.8
4	8.2	e7.7	7.7	e3.8	e3.5	e6.5	e24	211	e60	21	6.2	2.9
5	8.7	e7.6	8.5	e3.8	e3.7	e6.2	e40	220	58	21	6.5	2.9
6	8.4	e7.6	9.0	e4.0	e3.9	e6.4	e60	233	55	19	5.9	3.1
7	7.8	e7.6	6.6	e4.1	e3.8	e6.3	e70	246	52	17	5.6	3.1
8	7.9	e7.8	e7.4	e4.0	e3.8	e6.3	e80	246	50	17	5.5	3.3
9	7.8	e7.6	e8.0	e3.6	e4.3	e6.5	e90	246	48	17	5.2	3.5
10	7.7	e7.7	e7.6	e3.7	e4.7	e6.6	e100	248	46	16	5.1	4.0
11	7.7	e7.9	e7.6	e3.8	e4.5	e6.6	e94	249	45	15	4.9	3.8
12	7.7	e8.0	e7.9	e3.9	e4.4	e6.6	e83	249	43	14	4.8	4.7
13	7.5	e8.0	e8.4	e4.0	e5.0	e6.7	e70	255	41	13	4.8	6.3
14	7.5	e8.0	e8.1	e4.1	e5.4	e6.5	e60	254	40	12	4.6	8.1
15	8.3	8.0	e8.1	e3.8	e5.4	e6.9	e56	244	39	12	4.4	5.3
16	7.3	8.0	8.1	e3.6	e5.5	e6.8	e66	234	36	12	4.3	4.7
17	7.4	7.6	e7.5	e3.4	e5.5	e6.7	e66	216	34	13	4.3	5.6
18	7.4	7.4	e7.1	e3.2	e5.6	e6.6	e64	196	32	11	5.1	6.0
19	7.4	7.4	e6.4	e3.4	e5.2	e8.0	62	178	30	10	4.6	5.4
20	7.0	7.3	e6.4	e3.7	e5.2	e12	59	158	30	9.5	4.2	5.3
21	7.4	7.1	e5.6	e3.8	e5.2	e15	55	141	36	9.1	3.9	4.8
22	7.9	7.3	e5.3	e3.9	e5.0	e15	54	128	32	8.8	3.7	4.6
23	8.2	7.2	e5.0	e3.8	e4.8	e15	61	123	28	8.3	3.6	4.7
24	8.1	e6.8	e4.7	e4.0	e5.6	e13	85	109	26	7.9	3.8	4.7
25	8.0	e7.0	e4.5	e4.1	e6.4	e12	106	109	25	7.9	4.3	4.6
26	8.4	7.3	e4.5	e3.9	e6.3	e11	134	e95	26	7.7	4.6	4.6
27	8.4	e7.1	e4.5	e3.1	e6.2	e12	166	e90	33	7.7	4.3	4.7
28	7.8	e7.0	e4.0	e3.4	e5.9	e13	155	e94	29	8.0	4.2	5.1
29	7.7	e6.9	e4.2	e3.6	e6.1	e14	140	e90	25	9.3	3.6	5.1
30	7.7	e6.7	e4.4	e3.7	---	e20	152	e84	24	7.8	3.3	5.1
31	7.7	---	e4.7	e4.0	---	e20	---	e75	---	7.1	3.2	---
TOTAL	242.2	224.4	204.2	117.9	141.9	297.7	2325	5608	1217	405.1	149.3	134.9
MEAN	7.81	7.48	6.59	3.80	4.89	9.60	77.5	181	40.6	13.1	4.82	4.50
MAX	8.7	8.0	9.0	4.6	6.4	20	166	255	68	23	7.2	8.1
MIN	7.0	6.7	4.0	3.1	3.5	6.2	23	75	24	7.1	3.2	2.8
AC-FT	480	445	405	234	281	590	4610	11120	2410	804	296	268

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

MEAN	5.72	5.31	4.49	4.11	5.04	12.8	63.0	156	56.0	15.6	7.17	4.98
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968 - 1996	
ANNUAL TOTAL	13604.2		11067.6			
ANNUAL MEAN	37.3		30.2		28.5	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	274	May 23	255	May 13	927	May 27 1983
LOWEST DAILY MEAN	3.1	Jan 17	2.8	Sep 3	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	3.3	Feb 8	3.0	Sep 1	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	26980		21950		20650	
10 PERCENT EXCEEDS	149		90		74	
50 PERCENT EXCEEDS	9.4		7.6		6.6	
90 PERCENT EXCEEDS	3.6		3.8		2.4	

e Estimated

09313000 PRICE RIVER NEAR HEINER, UT

LOCATION.--Lat 39°43'08", long 110°51'55", in $SW^1/_4SE^1/_4SW^1/_4$, 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 mi^2.

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 above sea level, 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 $ft^3/_s$ Sept. 13, 1940, gage height, 7.98 ft, from rating curve extended above 750 $ft^3/_s$ on basis of slope-area measurements of peak flow; minimum recorded, 0.4 $ft^3/_s$ Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 657 $ft^3/_s$ May 17, gage height, 5.87 ft; minimum daily discharge 7.0 $ft^3/_s$ Dec. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	51	19	e9.8	e9.8	e62	85	413	151	187	172	127
2	147	47	19	e9.4	e9.6	e64	96	452	147	195	172	126
3	140	36	16	e8.9	e9.4	e65	145	478	142	196	169	121
4	141	31	25	e8.9	e9.4	e60	153	488	146	196	170	110
5	127	38	25	e8.9	e11	e53	149	501	154	167	168	110
6	108	33	24	e9.5	e13	e54	161	521	162	179	165	109
7	106	34	21	e10	e13	e53	e230	546	171	184	161	107
8	88	30	16	e9.6	e13	e55	e280	513	168	193	154	96
9	78	33	e16	e9.0	e18	e57	e350	417	175	197	154	87
10	76	36	e15	e9.5	e25	e58	e395	440	174	192	149	86
11	74	28	e15	e9.9	e24	e57	e375	551	180	182	157	91
12	68	35	e14	e11	e23	e57	e330	560	178	179	157	84
13	68	34	e13	e12	e30	57	e300	571	177	178	157	92
14	68	32	13	e11	e40	55	e285	583	181	183	155	86
15	68	31	e13	e10	e41	66	e270	571	180	182	154	64
16	66	31	e12	e9.7	e42	66	e305	571	178	182	159	62
17	65	28	e12	e9.2	e43	64	e305	620	182	187	159	63
18	66	27	e12	e8.9	e44	63	292	628	185	186	161	43
19	65	27	e11	e9.0	e40	63	284	601	184	180	155	32
20	67	26	e11	e9.2	e40	67	288	570	187	176	150	31
21	68	27	e10	e9.4	e40	80	276	465	197	176	149	30
22	70	27	e10	e9.6	e38	90	269	308	194	169	147	29
23	69	27	e9.5	e9.0	e35	89	269	266	184	166	147	27
24	62	27	e9.0	e9.2	e50	78	298	235	177	165	147	26
25	60	27	e8.3	e9.4	e66	76	324	244	172	177	149	26
26	59	28	e7.7	e8.5	e63	69	355	216	182	178	145	26
27	62	26	e7.6	e7.8	e58	69	400	198	242	177	138	35
28	62	19	e7.0	e8.2	e54	74	407	216	247	178	131	39
29	62	e19	e7.2	e8.6	e59	79	371	189	196	181	128	38
30	60	19	e9.0	e9.5	---	70	377	166	192	176	128	37
31	54	---	e11	e10	---	76	---	157	---	173	129	---
TOTAL	2527	914	418.3	292.6	961.2	2046	8424	13255	5385	5617	4736	2040
MEAN	81.5	30.5	13.5	9.44	33.1	66.0	281	428	179	181	153	68.0
MAX	153	51	25	12	66	90	407	628	247	197	172	127
MIN	54	19	7.0	7.8	9.4	53	85	157	142	165	128	26
AC-FT	5010	1810	830	580	1910	4060	16710	26290	10680	11140	9390	4050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81, 1991-96, BY WATER YEAR (WY)

MEAN	42.5	17.8	12.5	10.1	13.9	39.6	160	343	255	194	134	87.5
MAX	143	90.7	30.1	18.4	33.1	181	523	1538	913	321	260	178
(WY)	1938	1938	1966	1953	1996	1969	1952	1952	1952	1995	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1935-69, 1980-81, 1991-96	
ANNUAL TOTAL	56511.9		46616.1			
ANNUAL MEAN	155		127		110	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	730	Jun 4	628	May 18	2040	Apr 28 1952
LOWEST DAILY MEAN	3.5	Feb 4	7.0	Dec 28	.90	Aug 18 1961
ANNUAL SEVEN-DAY MINIMUM	3.6	Feb 1	8.0	Dec 24	2.4	Nov 7 1934
ANNUAL RUNOFF (AC-FT)	112100		92460		79390	
10 PERCENT EXCEEDS	423		294		255	
50 PERCENT EXCEEDS	68		76		50	
90 PERCENT EXCEEDS	6.6		9.9		8.0	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT

WATER QUALITY RECORDS

PERIOD OF RECORD.--December 1946 to September 1949, February 1951 to September 1988, November 1991 to current year.
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 September 30, 1978.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemems Dec. 11, 1951; minimum daily, 814 microsiements 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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER ATURE WATER (DEG C) (00010)	SELE-NIUM,- DIS-SOLVED (UG/L AS SE) (01145)
OCT							
30...	1000	93	2590	8.4	16.0	9.5	2
MAR							
20...	0930	171	1600	8.4	14.0	6.0	1
APR							
24...	1000	400	1250	8.4	21.5	10.5	1
JUN							
06...	0910	250	2740	8.3	26.5	19.5	2
27...	1300	54	3520	8.4	27.0	19.5	<1

09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION (REVISED).--Lat 38°59'10", long 110°09'02", in $NW^1/_4NW^1/_4SW^1/_4$ sec. 15, T. 21 S., R. 16 E., Emery County, Hydrologic Unit 14060008, on right bank 1,400 ft upstream from railroad bridge, .9 mi southeast of town of Green River, 22.7 mi upstream from San Rafael River, at mile 117.6 upstream from mouth.

DRAINAGE AREA.--44,850 mi^2 approximately, of which about 4,260 mi^2 (including 3,959 mi^2 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 above sea level. 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. May 8, 1947 to Sept. 7, 1994, water-stage recorder at site 900 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 $ft^3/_s$ June 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 $ft^3/_s$ 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 $ft^3/_s$ and maximum (*):

Dates	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 22	----	a*24,000	-------	No other peak greater than base discharge.			

(a) Maximum peak is an estimated daily discharge.

Minimum discharge, 2,070 $ft^3/_s$ Sept. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3420	3100	4610	3810	e3910	4960	5170	11500	e17000	10300	2480	2170
2	4110	3150	4580	e3700	e3940	4680	5110	11200	e16000	9210	2500	2190
3	3830	3190	4590	e3500	e3800	4510	5360	10200	15000	8490	2570	2150
4	3600	3190	4690	e3410	e3750	4480	5790	9600	14600	7620	2610	2130
5	3430	3470	4770	e3420	e3870	4470	6300	9740	14600	6870	2670	2110
6	3380	3810	4790	e3500	e3810	4460	7090	10300	14700	6410	2750	2160
7	3460	4250	4890	e3450	e4000	4430	8220	11100	15200	5980	2690	2130
8	3390	4360	4940	e3430	e4050	4500	8610	12100	16000	5720	2610	2110
9	3350	4330	4930	e3470	e4100	4580	8440	13700	16600	5470	2550	2130
10	3320	4280	4950	e3490	e4250	4600	8270	15500	17200	5350	2460	2160
11	3310	4230	4850	e3560	e4200	4610	8560	16600	17000	5250	2400	2370
12	3340	4120	4840	e3520	e4150	4600	9090	16800	16600	4960	2380	2450
13	3260	4210	4860	e3580	e4200	4660	10600	17800	16000	4680	2320	2510
14	3160	4400	4840	e3550	e4200	4940	12400	18200	15500	4360	2280	2750
15	3110	4420	4830	e3540	e4150	5250	13200	18300	16400	4080	2250	3200
16	3050	4450	4890	e3590	e4100	5670	12500	19200	16000	3860	2240	3040
17	3050	4410	4790	e3600	e4160	5970	11500	19900	15600	3740	2220	2930
18	3070	4380	4740	e3610	e4200	6130	10400	20600	15000	3630	2270	2820
19	3080	4470	4720	e3670	e4350	5940	9520	21000	14300	3470	2280	2940
20	3050	4590	4680	e3700	e4200	6100	9290	e22000	13500	3530	2300	2970
21	3060	4740	4490	e3670	4430	5940	9750	e23000	13300	3430	2240	2850
22	2960	4720	4270	e3640	4620	5550	9820	e24000	13100	3280	2230	2800
23	2970	4650	4310	e3750	4960	5200	9340	e23000	13000	3170	2220	2770
24	2970	4570	4020	e3890	5390	4970	8860	e22100	13400	3100	2220	2770
25	2990	4490	3800	3850	5660	4900	8200	19100	14300	3060	2260	2710
26	3080	4460	3780	3790	6470	4980	7530	18300	15000	2940	2200	2690
27	3140	4570	3600	e3850	6040	5470	7130	17800	13900	2830	2170	2710
28	3090	4640	3620	e3900	5830	6140	7820	17400	12200	2740	2180	2690
29	3120	4630	3480	e3860	5260	6210	10900	17900	11300	2640	2250	2700
30	3140	4640	3560	e3820	---	5670	12000	19000	11000	2580	2200	2740
31	3100	---	3630	e3900	---	5360	---	e18000	---	2530	2150	---
TOTAL	100390	126920	138340	113020	130050	159930	266770	524940	443300	145280	73150	76850
MEAN	3238	4231	4463	3646	4484	5159	8892	16930	14780	4686	2360	2562
MAX	4110	4740	4950	3900	6470	6210	13200	24000	17200	10300	2750	3200
MIN	2960	3100	3480	3410	3750	4430	5110	9600	11000	2530	2150	2110
AC-FT	199100	251700	274400	224200	258000	317200	529100	1041000	879300	288200	145100	152400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1996, BY WATER YEAR (WY)

MEAN	3020	2883	2354	2315	2845	4613	7382	15480	18850	7970	3708	2825
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1906 - 1996	
ANNUAL TOTAL	2402010		2298940			
ANNUAL MEAN	6581		6281		6192	
HIGHEST ANNUAL MEAN					12280	1907
LOWEST ANNUAL MEAN					1805	1934
HIGHEST DAILY MEAN	29300	Jun 19	24000	May 22	66700	Jun 27 1917
LOWEST DAILY MEAN	1610	Jan 6	2110	Sep 5		Dec 5 1934
ANNUAL SEVEN-DAY MINIMUM	1820	Jan 4	2130	Sep 3	419	Jul 30 1934
ANNUAL RUNOFF (AC-FT)	4764000		4560000		4486000	
10 PERCENT EXCEEDS	18000		15000		15200	
50 PERCENT EXCEEDS	3430		4360		3430	
90 PERCENT EXCEEDS	2390		2510		1530	

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.
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, 1,130 microsiemens Sept. 15; minimum observed, 355 microsiemens May 22, 23.
WATER TEMPERATURES: Maximum observed, 28.0°C July 18, 22; minimum, 0.0°C many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT											
24...	1200	3300	880	8.5	-2.0	8.0	--	9.9	661	--	--
NOV											
28...	1200	4390	850	8.3	-3.0	4.0	30	11.5	657	0.28	270
MAR											
15...	1030	5140	840	8.3	6.0	8.5	110	9.7	655	0.48	280
26...	1200	4910	820	8.3	2.0	6.0	100	10.2	655	0.40	260
APR											
25...	1140	8430	640	8.3	16.0	12.0	99	9.1	657	0.40	220
JUN											
04...	1045	14800	470	8.3	30.5	18.5	120	7.5	658	0.29	160
04...	1055	14800	470	8.3	30.5	18.5	110	7.5	658	0.29	170
12...	1030	15900	375	8.2	19.0	19.5	82	7.1	657	--	130
25...	1125	14600	450	8.3	21.0	19.5	100	7.1	659	--	150
JUL											
24...	1115	3100	670	8.4	33.5	25.0	160	6.5	655	0.29	210
AUG											
29...	1500	2200	800	8.5	24.0	23.0	9.6	7.4	655	0.26	240
SEP											
24...	1120	2700	930	8.5	24.5	16.0	110	8.0	657	0.32	300

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
24...	--	--	--	--	--	--	8	203	180	--	--
NOV											
28...	61	28	65	34	2	2.3	0	200	164	--	230
MAR											
15...	63	29	71	36	2	2.9	0	205	168	170	230
26...	58	28	67	36	2	2.4	0	201	165	170	220
APR											
25...	50	22	46	31	1	2.4	0	171	140	140	160
JUN											
04...	41	14	33	31	1	1.9	0	137	112	110	110
04...	42	15	33	30	1	2.0	0	137	112	110	110
12...	32	11	22	27	0.9	1.5	0	112	92	93	79
25...	37	14	29	29	1	1.7	0	122	100	110	100
JUL											
24...	51	20	49	33	1	2.6	4	166	144	150	160
AUG											
29...	53	26	70	39	2	2.9	8	157	143	150	220
SEP											
24...	69	31	79	36	2	2.8	11	193	176	180	270

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
24...	--	--	--	--	--	--	--	0.060	--	<0.010	0.060
NOV											
28...	22	0.30	5.5	534	514	0.73	6330	0.080	--	<0.010	0.080
MAR											
15...	23	0.30	6.2	536	528	0.73	7440	0.180	--	<0.010	0.180
26...	22	0.30	5.8	526	504	0.72	6970	0.200	--	<0.010	0.200
APR											
25...	13	0.20	8.3	413	388	0.56	9400	0.200	--	<0.010	0.200
JUN											
04...	9.5	0.20	9.0	301	287	0.41	12000	0.090	--	<0.010	0.090
04...	9.8	0.20	9.2	301	290	0.41	12000	0.090	--	<0.010	0.090
12...	7.2	0.20	7.6	237	216	0.32	10200	--	--	--	--
25...	9.4	0.20	6.8	280	259	0.38	11000	0.070	--	<0.010	0.070
JUL											
24...	17	0.30	6.8	427	394	0.58	3570	0.080	0.080	0.010	0.090
AUG											
29...	23	0.30	2.5	509	484	0.69	3020	0.060	--	<0.010	0.060
SEP											
24...	25	0.30	5.0	622	590	0.85	4530	0.100	0.100	0.020	0.120

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT											
24...	0.060	<0.015	--	0.30	0.30	<0.20	0.36	0.020	<0.010	<0.010	--
NOV											
28...	0.080	<0.015	--	0.30	0.30	0.20	0.38	0.080	<0.010	<0.010	--
MAR											
15...	0.180	<0.015	--	0.50	0.50	0.30	0.68	0.210	0.030	0.003	0.01
26...	0.200	0.020	0.03	0.48	0.50	0.20	0.70	0.180	0.020	0.007	0.02
APR											
25...	0.200	<0.015	--	0.60	0.60	0.20	0.80	0.250	<0.010	0.016	0.05
JUN											
04...	0.090	0.020	0.03	0.38	0.40	0.20	0.49	0.100	0.030	0.013	0.04
04...	0.090	0.020	0.03	0.38	0.40	0.20	0.49	0.120	0.020	0.014	0.04
12...	--	--	--	--	--	--	--	--	--	--	--
25...	0.070	<0.015	--	0.60	0.60	<0.20	0.67	0.220	<0.010	0.012	0.04
JUL											
24...	0.090	0.060	0.08	0.84	0.90	0.20	0.99	0.240	<0.010	0.010	0.03
AUG											
29...	0.060	<0.015	--	0.30	0.30	0.20	0.36	0.020	<0.010	<0.001	--
SEP											
24...	0.120	<0.015	--	0.30	0.30	0.20	0.42	0.010	<0.010	<0.001	--

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
NOV										
28...	1200	<10	--	--	67	--	--	--	<3.0	--
MAR										
15...	1030	2.0	<1.0	1	70	<1.0	<1.0	2.0	<1.0	3.0
26...	1200	6.0	<1.0	1	69	<1.0	<1.0	2.0	<1.0	3.0
APR										
25...	1140	3.0	<1.0	1	59	<1.0	<1.0	1.0	<1.0	3.0
JUN										
04...	1045	4.0	<1.0	1	49	<1.0	<1.0	<1.0	<1.0	2.0
04...	1055	3.0	<1.0	2	48	<1.0	<1.0	<1.0	<1.0	2.0
12...	1030	4.0	<1.0	2	41	<1.0	<1.0	<1.0	<1.0	2.0
25...	1125	4.0	<1.0	<1	48	<1.0	<1.0	<1.0	<1.0	2.0
JUL										
24...	1115	7.0	<1.0	1	72	<1.0	<1.0	1.0	<1.0	3.0
AUG										
29...	1500	5.0	<1.0	<1	75	<1.0	<1.0	1.0	<1.0	2.0
SEP										
24...	1120	4.0	<1.0	1	85	<1.0	<1.0	<1.0	<1.0	2.0

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV										
28...	<3.0	--	31	2.0	<10	1.0	<1.0	690	<6	--
MAR										
15...	7.0	<1.0	28	1.0	3.0	2.0	<1.0	680	<6	2.0
26...	6.0	<1.0	27	1.0	3.0	2.0	<1.0	650	<6	1.0
APR										
25...	4.0	<1.0	18	1.0	3.0	3.0	<1.0	520	<6	1.0
JUN										
04...	5.0	<1.0	14	1.0	2.0	1.0	<1.0	350	<6	2.0
04...	4.0	<1.0	14	<1.0	2.0	2.0	<1.0	360	<6	<1.0
12...	9.0	<1.0	11	<1.0	2.0	2.0	<1.0	300	<6	<1.0
25...	7.0	<1.0	15	<1.0	2.0	1.0	<1.0	340	<6	1.0
JUL										
24...	<3.0	<1.0	20	<1.0	3.0	1.0	<1.0	550	<6	3.0
AUG										
29...	<3.0	<1.0	28	<1.0	4.0	2.0	<1.0	660	<6	<1.0
SEP										
24...	<3.0	<1.0	34	<1.0	3.0	1.0	<1.0	830	<6	2.0

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT			
24...	1200	--	2
NOV			
28...	1200	--	1
MAR			
15...	1030	140	1
26...	1200	130	2
APR			
25...	1140	80	2
JUN			
04...	1045	62	<1
04...	1055	69	<1
12...	1030	51	<1
25...	1125	59	<1
JUL			
24...	1115	98	1
AUG			
29...	1500	126	<1
SEP			
24...	1120	141	1

DATE	TIME	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
MAR		
15...	1030	4.0
26...	1200	4.0
APR		
25...	1140	3.0
JUN		
04...	1045	2.0
04...	1055	2.0
12...	1030	1.0
25...	1125	2.0
JUL		
24...	1115	3.0
AUG		
29...	1500	4.0
SEP		
24...	1120	4.0

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
MAR			
15...	1030	4.1	2.9
26...	1200	6.4	2.6
APR			
25...	1140	5.8	3.5
JUN			
04...	1045	4.5	3.1
04...	1055	4.8	2.9
25...	1125	3.8	1.3
JUL			
24...	1115	3.8	3.7
AUG			
29...	1500	170	0.90
SEP			
24...	1120	18	4.1

DATE	TIME	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)
JUN											
04...	1045	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
04...	1055	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
JUL											
24...	1115	0.006	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
AUG											
29...	1500	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004
SEP											
24...	1120	<0.004	<0.003	<0.002	<0.004	<0.002	<0.007	<0.002	<0.006	<0.002	<0.004

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
JUN											
04...	<0.010	<0.004	<0.003	<0.002	<0.008	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
04...	<0.010	<0.004	<0.003	<0.002	<0.008	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
JUL											
24...	<0.010	<0.004	<0.003	<0.002	<0.012	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
AUG											
29...	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003
SEP											
24...	<0.010	<0.004	<0.003	<0.002	<0.003	<0.013	<0.003	<0.017	<0.001	<0.004	<0.003

DATE	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	DIAZ-INON D10 SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91063)	TERBUTH YLAZINE SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91064)	HCH ALPHA D6 SURROGATE WAT FLT 0.7 U GF, REC PERCENT (91065)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)
JUN											
04...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	77.1	97.6	109	3189
04...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	108	120	113	3176
JUL											
24...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	68.4	115	109	3363
AUG											
29...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	91.4	111	87.2	3539
SEP											
24...	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005	109	110	88.9	3641

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	P,P' DDE DISSOLV (UG/L) (34653)
JUN										
04...	892	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
04...	854	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
JUL										
24...	840	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
AUG										
29...	909	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006
SEP										
24...	892	<0.007	<0.002	<0.005	<0.018	<0.002	<0.004	<0.003	<0.002	<0.006

DATE	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	LINDANE DIS-SOLVED (UG/L) (39341)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	MALA-THION, DIS-SOLVED (UG/L) (39532)	PARA-THION, DIS-SOLVED (UG/L) (39542)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)
JUN										
04...	<0.004	<0.004	<0.001	<0.002	E0.005	<0.004	<0.002	<0.001	<0.002	<0.002
04...	<0.004	<0.004	<0.001	<0.002	0.007	<0.004	<0.002	<0.001	<0.002	<0.002
JUL										
24...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002
AUG										
29...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002
SEP										
24...	<0.004	<0.004	<0.001	<0.002	<0.005	<0.004	<0.002	<0.001	<0.002	<0.002

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	880	820	860	890	790	830	550	465	460	700	780
2	890	870	830	860	880	810	---	540	---	445	710	800
3	870	860	820	840	870	---	840	560	470	---	---	800
4	910	860	820	830	850	820	830	560	475	430	---	---
5	---	840	820	850	830	---	840	580	460	455	740	810
6	---	840	820	830	830	850	830	600	---	475	720	830
7	920	850	840	840	840	860	820	600	450	460	740	820
8	900	830	830	870	840	860	760	600	445	---	770	820
9	870	830	830	860	870	860	720	570	410	465	750	---
10	890	820	830	870	---	860	690	540	390	485	750	820
11	870	840	850	840	820	---	680	510	380	495	740	830
12	880	850	830	840	800	860	680	470	385	510	750	820
13	890	830	830	---	790	850	680	460	---	520	750	820
14	---	840	820	---	790	840	650	430	---	530	770	---
15	860	820	---	830	800	840	590	---	380	520	---	1130
16	850	820	---	820	810	850	560	430	370	530	---	1020
17	850	840	---	820	---	850	570	410	380	560	780	920
18	840	820	850	810	---	840	---	390	385	570	770	970
19	840	820	830	810	840	820	610	385	395	580	770	950
20	870	820	810	830	840	810	---	370	410	610	770	940
21	---	---	800	---	840	820	660	365	435	630	780	900
22	900	820	810	---	880	810	670	355	440	660	780	910
23	900	820	---	840	870	810	660	355	---	730	800	940
24	880	820	830	840	870	810	650	---	445	---	790	930
25	880	820	850	870	880	810	650	385	445	---	850	920
26	880	820	860	860	850	830	680	420	430	680	800	920
27	870	830	1040	870	800	---	690	440	415	670	810	900
28	880	830	880	880	---	840	690	460	420	680	810	880
29	890	830	880	910	820	840	690	460	450	670	810	890
30	870	830	890	900	---	880	640	---	460	680	820	---
31	860	---	880	900	---	850	---	475	---	690	810	---
MEAN	879	834	844	851	840	836	699	474	424	563	772	887

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	11.0	5.0	.0	1.0	2.0	12.0	13.5	15.0	23.0	26.0	24.5
2	15.0	9.0	5.0	.0	1.0	4.0	---	14.0	---	24.0	26.0	24.5
3	15.0	8.0	5.0	.0	.0	---	12.0	14.0	18.0	---	---	25.0
4	14.0	8.0	6.0	.0	.0	4.0	11.5	15.0	19.0	26.0	---	---
5	---	7.0	7.0	.0	1.0	---	11.0	16.0	21.0	25.0	23.0	23.0
6	---	6.0	6.0	.0	2.0	6.0	13.0	16.0	---	26.0	25.0	23.0
7	12.0	7.0	5.0	.0	1.0	7.0	13.5	15.0	20.0	27.0	24.0	23.0
8	14.0	7.0	5.0	.0	2.0	8.0	14.0	16.0	22.0	---	24.0	23.0
9	14.0	7.0	5.0	.0	.0	8.5	15.0	16.0	22.0	27.0	25.0	---
10	14.0	6.5	5.0	1.5	---	8.5	14.0	17.0	22.0	26.0	25.0	23.0
11	15.0	6.0	4.0	1.0	2.0	---	15.0	16.0	22.0	26.0	26.0	22.0
12	14.0	5.5	4.0	.0	2.0	10.0	14.0	18.0	21.0	26.0	26.0	24.0
13	14.0	7.0	4.0	---	3.0	10.0	12.0	17.0	---	25.5	27.0	22.0
14	---	8.5	5.0	---	3.0	9.0	11.0	17.0	---	27.0	26.0	---
15	14.0	8.0	---	.0	4.0	10.0	11.0	---	20.0	26.0	---	20.0
16	13.0	7.5	---	.0	4.0	10.0	11.0	18.0	21.0	26.0	---	17.0
17	13.0	7.5	---	.0	---	10.0	11.0	19.0	21.0	26.0	25.0	16.0
18	13.0	7.0	3.0	.0	---	10.0	---	18.0	21.0	28.0	25.0	16.0
19	14.0	7.0	2.0	.0	4.0	9.0	10.0	17.0	21.5	26.0	26.0	15.0
20	11.0	7.0	1.0	1.0	6.0	9.0	---	18.0	20.0	27.0	25.5	16.0
21	---	---	1.0	---	6.0	7.0	10.0	17.0	20.0	27.0	25.0	17.0
22	10.0	6.0	1.0	---	5.0	10.5	10.5	17.0	20.0	28.0	26.0	16.0
23	10.0	6.0	---	.0	5.0	9.0	12.0	15.0	---	24.0	26.5	18.0
24	9.5	6.0	.0	.0	5.0	8.5	13.0	---	22.0	---	26.0	20.0
25	9.0	6.0	.0	.0	4.0	8.0	14.0	14.0	21.0	---	24.0	17.0
26	10.0	6.0	.0	.0	3.0	9.0	16.0	15.0	20.0	26.0	24.0	17.0
27	10.0	6.0	.0	.0	3.0	---	15.0	15.0	19.5	27.0	25.0	14.0
28	10.0	5.0	.0	.0	---	9.0	14.0	14.0	20.5	26.0	26.0	16.5
29	10.0	4.5	.0	.0	3.0	10.0	13.0	15.0	20.5	27.0	25.0	16.0
30	11.0	5.0	.0	.0	---	10.0	13.0	---	21.0	27.0	25.0	---
31	11.0	---	.0	1.0	---	11.0	---	16.5	---	27.0	23.0	---
MEAN	12.4	6.8	2.9	.2	2.8	8.4	12.6	16.0	20.4	26.2	25.2	19.6

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT				
24...	1400	--	57	--
NOV				
28...	1200	--	241	2860
28...	1201	--	129	--
28...	1202	--	198	--
28...	1203	--	137	--
28...	1204	--	102	--
MAR				
15...	1130	--	358	--
15...	1131	--	322	--
15...	1132	--	360	--
15...	1133	--	330	--
15...	1134	--	296	--
15...	1230	84	350	--
15...	1231	84	333	--
15...	1232	93	294	--
15...	1233	83	361	--
15...	1234	94	302	--
26...	1230	--	527	--
26...	1231	--	499	--
26...	1232	--	299	--
26...	1233	--	252	--
26...	1234	--	230	--
26...	1330	49	428	--
26...	1331	84	233	--
26...	1332	68	315	--
26...	1333	81	263	--
26...	1334	95	208	--
APR				
25...	1200	--	567	--
25...	1230	69	487	--
JUN				
04...	1400	--	841	--
04...	1430	44	823	--
12...	1115	--	783	--
12...	1145	39	864	--
25...	1240	--	816	--
25...	1310	47	772	--
JUL				
24...	1150	--	330	--
SEP				
24...	1145	99	200	--
24...	1215	--	224	--

09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in NE$^1/_4$NE$^1/_4$SE$^1/_4$ 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 mi^2.

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 above sea level, 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, 31,450 acre-ft June 14-16, elevation, 8,575.40 ft; minimum, 20,020 acre-ft Apr. 26, elevation, 8,546.46 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24390	21920	21480	21120	20840	20570	20290	20370	29480	31330	30120	26180
2	22390	21900	21460	21120	20830	20570	20280	20530	29640	31310	30030	26030
3	22310	21880	21440	21110	20830	20560	20280	20680	29870	31260	29910	25870
4	22310	21860	21430	21090	20820	20560	20280	20830	30060	31250	29780	25730
5	22290	21840	21430	21080	20810	20550	20270	21020	30290	31240	29640	25600
6	22280	21830	21420	21060	20810	20550	20260	21230	30510	31230	29510	25480
7	22260	21810	21410	21050	20810	20550	20270	21500	30710	31220	29390	25360
8	22240	21800	21400	21040	20800	20540	20290	21900	30890	31200	29260	25250
9	22230	21790	21390	21020	20790	20540	20330	22170	31060	31200	29130	25120
10	22220	21790	21370	21010	20770	20530	20350	22500	31190	31190	29000	24980
11	22200	21780	21350	21000	20760	20530	20370	22840	31320	31170	28880	24820
12	22180	21760	21340	20980	20750	20450	20400	23270	31390	31140	28720	24660
13	22150	21750	21350	20980	20740	20440	20420	23710	31440	31130	28610	24520
14	22150	21740	21340	20970	20730	20440	20450	24150	31450	31110	28490	24370
15	22130	21720	21320	20940	20720	20430	20470	24680	31450	31090	28360	24210
16	22120	21700	21310	20930	20710	20410	20500	25240	31450	31060	28240	24060
17	22100	21690	21290	20930	20700	20400	20480	25630	31440	31060	28100	23970
18	22090	21680	21280	20930	20690	20390	20460	26300	31430	31050	28020	23920
19	22060	21660	21260	20930	20680	20380	20420	26720	31420	31030	27900	23870
20	22050	21650	21250	20920	20670	20370	20380	27100	31410	31010	27770	23820
21	22030	21630	21230	20910	20650	20350	20360	27350	31400	30980	27650	23770
22	22030	21610	21230	20910	20640	20350	20290	27680	31390	30960	27530	23730
23	22020	21600	21220	20900	20630	20350	20170	27920	31360	30920	27420	23670
24	22000	21580	21220	20890	20620	20340	20060	28140	31380	30820	27300	23630
25	21990	21570	21220	20890	20610	20350	20030	28340	31360	30730	27170	23590
26	21970	21560	21220	20880	20600	20340	20020	28500	31340	30630	27060	23550
27	21960	21540	21220	20870	20590	20340	20070	28660	31350	30540	26930	23510
28	21950	21530	21220	20870	20580	20340	20130	28840	31350	30470	26790	23480
29	21930	21500	21220	20860	20570	20330	20210	29000	31340	30380	26630	23440
30	21920	21490	21190	20850	---	20330	20320	29150	31330	30280	26480	23410
31	21920	---	21130	20850	---	20310	---	29330	---	30220	26330	---
MAX	24390	21920	21480	21120	20840	20570	20500	29330	31450	31330	30120	26180
MIN	21920	21490	21130	20850	20570	20310	20020	20370	29480	30220	26330	23410
(#)	8552.04	8550.81	8549.78	8548.94	8548.12	8547.34	8547.35	8570.80	8575.14	8572.77	8563.75	8556.18
(*)	-760	-430	-360	-280	-280	-260	+10	+9010	+2000	-1110	-3890	-2920

CAL YR 1995 . . . . . (*) +730
WTR YR 1996. . . . . (*) +8,310

(#) 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 $SE^1/_4NE^1/_4SW^1/_4$, 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 sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, Feb. 3, 4 and Feb. 27, 28, 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.

AVERAGE DISCHARGE.--13 years, 75.7 ft^3/s, 54,840 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 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 daily discharge, 548 ft^3/s May 16; minimum daily discharge, 9.4 ft^3/s Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	62	27	30	24	9.9	33	157	223	175	103	88
2	106	45	27	31	24	9.4	40	182	245	175	113	88
3	89	45	28	31	24	10	36	197	280	196	120	84
4	82	44	28	31	29	10	37	201	334	198	118	69
5	78	43	28	30	23	10	37	220	433	200	118	69
6	78	42	28	30	23	10	39	252	450	194	117	69
7	78	41	28	30	23	11	47	246	408	192	116	69
8	77	41	28	30	23	12	56	218	399	195	115	69
9	77	41	29	29	23	12	64	238	391	165	114	69
10	70	40	29	29	23	14	69	280	374	83	113	76
11	48	40	29	29	23	15	65	286	360	97	112	102
12	48	38	29	29	23	16	60	346	346	95	112	101
13	48	38	29	28	23	17	56	421	329	92	111	108
14	48	37	29	28	23	16	56	451	315	99	106	111
15	48	36	30	28	23	16	53	498	300	106	106	103
16	47	36	30	28	23	17	53	548	282	99	106	106
17	47	35	30	28	23	17	65	512	259	98	108	85
18	47	35	30	28	23	19	70	460	240	90	111	46
19	46	34	30	28	23	22	64	395	220	88	109	46
20	45	33	30	27	23	21	63	335	211	87	108	44
21	45	32	30	26	23	23	61	314	215	85	96	41
22	45	32	30	26	23	25	60	338	202	89	94	43
23	47	31	31	26	23	25	79	383	188	92	94	46
24	74	31	31	26	23	25	132	301	175	99	87	39
25	74	31	31	26	23	26	134	267	164	99	83	35
26	75	30	31	25	23	28	131	234	171	98	85	35
27	75	30	31	26	23	26	152	209	180	99	89	37
28	73	29	31	25	25	27	118	270	171	104	93	37
29	73	28	31	25	16	28	100	226	162	103	90	32
30	72	28	31	24	---	28	104	216	177	99	89	33
31	76	---	30	24	---	29	---	219	---	98	88	---
TOTAL	2047	1108	914	861	671	574.3	2134	9420	8204	3789	3224	1980
MEAN	66.0	36.9	29.5	27.8	23.1	18.5	71.1	304	273	122	104	66.0
MAX	111	62	31	31	29	29	152	548	450	200	120	111
MIN	45	28	27	24	16	9.4	33	157	162	83	83	32
AC-FT	4060	2200	1810	1710	1330	1140	4230	18680	16270	7520	6390	3930

CAL YR 1995	TOTAL 35074	MEAN 96.1	MAX 628	MIN 12	AC-FT 69570
WTR YR 1996	TOTAL 34926.3	MEAN 95.4	MAX 548	MIN 9.4	AC-FT 69280

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in $SE^1/_4SE^1/_4SE^1/_4$ 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 sea level. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records 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 $ft^3/_s$ June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.00	e1.7	e13	12	1.2	.00
2	---	---	---	---	---	---	e.00	e2.2	e16	11	1.2	.01
3	---	---	---	---	---	---	e.00	e2.7	e20	10	1.2	.01
4	---	---	---	---	---	---	e.00	e3.1	e24	9.8	.97	.02
5	---	---	---	---	---	---	e.00	e3.8	e28	9.6	.76	.03
6	---	---	---	---	---	---	e.00	e4.6	e23	9.4	.68	.04
7	---	---	---	---	---	---	e.00	e5.2	20	8.0	.67	.03
8	---	---	---	---	---	---	e.00	e5.6	19	8.0	.58	.00
9	---	---	---	---	---	---	e.00	e6.4	18	8.2	.52	.00
10	---	---	---	---	---	---	e.00	e7.0	15	8.1	.49	.00
11	---	---	---	---	---	---	e.00	e9.0	14	7.4	.45	.01
12	---	---	---	---	---	---	e.00	e11	12	6.2	.37	.02
13	---	---	---	---	---	---	e.00	e14	11	5.7	.31	.00
14	---	---	---	---	---	---	e.00	e13	14	5.4	.29	.00
15	---	---	---	---	---	---	e.00	e13	22	4.7	.25	.00
16	---	---	---	---	---	---	e.10	e23	20	5.0	.23	.00
17	---	---	---	---	---	---	e.25	e26	19	6.0	.19	1.9
18	---	---	---	---	---	---	e.35	e25	17	4.4	.18	2.8
19	---	---	---	---	---	---	e.45	e24	16	3.8	.14	.00
20	---	---	---	---	---	---	e.60	e23	19	3.5	.10	.00
21	---	---	---	---	---	---	e.66	e22	18	3.1	.08	.00
22	---	---	---	---	---	---	e.70	e23	14	2.8	.08	.00
23	---	---	---	---	---	---	e.78	e20	14	2.7	.07	.00
24	---	---	---	---	---	---	e.96	e17	13	2.5	.07	.00
25	---	---	---	---	---	---	e1.1	e14	13	2.2	.06	.00
26	---	---	---	---	---	---	e1.2	e12	13	1.9	.05	.02
27	---	---	---	---	---	---	e1.4	e11	14	1.8	.06	1.9
28	---	---	---	---	---	---	e1.3	e10	12	1.7	.05	.00
29	---	---	---	---	---	---	e1.2	e9.2	11	1.6	.04	.00
30	---	---	---	---	---	---	e1.3	e9.6	11	1.5	.04	.00
31	---	---	---	---	---	---	---	e11	---	1.3	.04	---
TOTAL	---	---	---	---	---	---	12.35	382.1	493	169.3	11.42	6.79
MEAN	---	---	---	---	---	---	.41	12.3	16.4	5.46	.37	.23
MAX	---	---	---	---	---	---	1.4	26	28	12	1.2	2.8
MIN	---	---	---	---	---	---	.00	1.7	11	1.3	.04	.00
AC-FT	---	---	---	---	---	---	24	758	978	336	23	13

e Estimated

09323000 SPRING CITY TUNNEL NEAR SPRING CITY, UT (Transmountain diversion)

LOCATION.--Lat 39°25'34", long 111°21'51", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ 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 sea level. 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 ft$^3/_s$ July 23, 1965; possibly no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.51	1.8	14	7.7	e2.8	e1.2
2	---	---	---	---	---	---	.56	2.4	19	7.8	e2.9	e1.1
3	---	---	---	---	---	---	.50	2.9	24	7.5	e2.8	e1.1
4	---	---	---	---	---	---	.48	3.3	29	7.1	e2.7	1.2
5	---	---	---	---	---	---	.49	4.1	34	6.8	e2.6	1.2
6	---	---	---	---	---	---	.52	5.0	36	6.4	e2.5	1.2
7	---	---	---	---	---	---	.64	5.4	38	6.1	e2.4	1.2
8	---	---	---	---	---	---	.92	6.3	39	6.0	e2.3	1.1
9	---	---	---	---	---	---	1.2	7.0	39	5.7	e2.3	1.1
10	---	---	---	---	---	---	1.2	7.7	39	5.4	e2.4	1.2
11	---	---	---	---	---	---	1.0	9.3	37	5.1	e2.4	1.2
12	---	---	---	---	---	---	.92	12	35	4.9	e2.5	1.2
13	---	---	---	---	---	---	.88	18	33	4.6	e2.5	1.4
14	---	---	---	---	---	---	.89	14	31	4.4	e2.6	1.6
15	---	---	---	---	---	---	.90	14	30	4.3	e2.6	1.2
16	---	---	---	---	---	---	.91	26	28	4.2	e2.5	1.3
17	---	---	---	---	---	---	.86	30	26	5.2	e2.4	1.3
18	---	---	---	---	---	---	.82	29	23	4.1	e2.3	1.2
19	---	---	---	---	---	---	.82	27	20	3.8	e2.1	1.2
20	---	---	---	---	---	---	.79	25	19	3.7	e2.0	1.2
21	---	---	---	---	---	---	.76	24	20	3.5	e2.0	1.1
22	---	---	---	---	---	---	.76	26	17	3.4	e2.0	1.1
23	---	---	---	---	---	---	.84	24	15	3.3	e1.8	1.0
24	---	---	---	---	---	---	1.1	19	14	3.2	e1.8	.98
25	---	---	---	---	---	---	1.2	16	12	3.1	e1.8	.97
26	---	---	---	---	---	---	1.3	14	12	3.0	e1.6	.96
27	---	---	---	---	---	---	1.5	12	12	3.0	e1.5	.99
28	---	---	---	---	---	---	1.4	11	9.8	3.1	e1.4	.98
29	---	---	---	---	---	---	1.3	10	8.6	3.0	e1.4	.93
30	---	---	---	---	---	---	1.4	11	8.0	e2.8	e1.3	.93
31	---	---	---	---	---	---	---	12	---	e2.7	e1.3	---
TOTAL	---	---	---	---	---	---	27.37	429.2	721.4	144.9	67.5	34.34
MEAN	---	---	---	---	---	---	.91	13.8	24.0	4.67	2.18	1.14
MAX	---	---	---	---	---	---	1.5	30	39	7.8	2.9	1.6
MIN	---	---	---	---	---	---	.48	1.8	8.0	2.7	1.3	.93
AC-FT	---	---	---	---	---	---	54	851	1430	287	134	68

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39o17'20", long 111o16'10", in NW1/4NE1/4 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 sea level (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, 63,790 acre-ft June 9-11, elevation, 6,992.0 ft; minimum observed, 42,360 acre-ft, Sept. 30, elevation, 6,971.3 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep. 30	6,977.9	48,240	--
Oct. 31	6,974.0	44,440	-3,800
Nov.30	6,974.2	44,640	+200
Dec. 31	6,974.1	44,540	-100
CAL YR 1995	--	--	+14,860
Jan. 31	6,974.0	44,440	-100
Feb. 28	6,973.9	44,350	-90
Mar. 31	6,974.0	44,440	+90
Apr. 30	6,974.6	45,020	+580
May 31	6,988.3	59,460	+14,440
June 30	6,991.0	62,600	+3,140
July 31	6,984.5	55,190	-7,410
Aug. 31	6,976.2	46,560	-8,630
Sep. 30	6,971.3	42,360	-4,200
WTR YR 1996	--	--	-5,880

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE1/4SE$^1/_4$SW$^1/_4$ 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 mi^2.

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 sea level, 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 ft$^3/_s$ Aug. 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft$^3/_s$ 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 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
May 15	1930	*512	*2.49				

Minimum daily discharge, 8.0 ft$^3/_s$ Jan. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	22	17	e14	e13	e16	25	107	229	91	26	15
2	25	15	17	e14	e11	e17	28	128	260	87	26	14
3	24	15	16	e11	e9.5	e16	23	131	294	84	26	14
4	26	18	18	e16	e10	17	23	131	341	81	24	14
5	25	18	18	e15	e9.5	17	24	148	390	78	23	14
6	25	19	17	e14	e15	18	27	176	398	76	22	15
7	25	20	16	e13	e15	e18	36	180	373	72	22	15
8	25	19	14	e12	e15	18	51	181	367	69	22	14
9	24	19	16	e13	17	19	61	212	358	75	21	14
10	23	18	16	e15	17	19	58	230	341	66	20	15
11	22	18	15	e14	16	20	44	258	311	61	20	16
12	22	21	16	e13	16	20	39	328	275	59	20	17
13	22	21	16	e14	16	20	32	395	249	56	19	33
14	22	19	14	e14	16	20	29	427	230	54	19	24
15	22	19	14	e14	17	19	28	440	216	52	18	18
16	22	19	e12	e12	17	19	30	447	204	51	18	16
17	22	18	e11	e11	17	18	31	429	191	53	19	17
18	22	18	e10	e9.8	18	18	28	408	178	47	20	16
19	21	18	e11	e10	17	19	26	389	165	43	18	16
20	20	18	e10	e11	e18	20	25	371	157	40	18	16
21	22	17	e9.7	e12	e19	23	24	340	157	38	17	15
22	20	18	e9.4	e13	20	24	24	336	146	36	16	15
23	17	17	e9.0	e12	20	23	31	334	133	35	16	15
24	21	17	e8.6	e11	21	20	52	268	127	34	16	14
25	22	18	e10	e14	19	20	67	242	119	32	16	14
26	23	18	e12	e11	18	19	79	216	114	31	17	14
27	23	15	e13	e8.0	17	20	88	209	123	29	20	13
28	22	e14	e14	e10	e15	19	76	239	109	31	20	14
29	21	e15	e14	e11	e15	19	65	202	100	32	16	14
30	22	17	e16	e13	---	19	77	198	95	28	15	14
31	22	---	e17	e14	---	20	---	204	---	26	15	---
TOTAL	700	538	426.7	388.8	464.0	594	1251	8304	6750	1647	605	475
MEAN	22.6	17.9	13.8	12.5	16.0	19.2	41.7	268	225	53.1	19.5	15.8
MAX	26	22	18	16	21	24	88	447	398	91	26	33
MIN	17	14	8.6	8.0	9.5	16	23	107	95	26	15	13
AC-FT	1390	1070	846	771	920	1180	2480	16470	13390	3270	1200	942

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-96, BY WATER YEAR (WY)

MEAN	18.0	13.6	10.6	8.85	9.80	13.6	44.6	218	294	101	42.0	24.0
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	6.40	4.27	3.00	4.61	5.02	13.7	44.8	40.3	17.2	12.0	9.30
(WY)	1960	1995	1963	1963	1978	1977	1967	1977	1977	1977	1977	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1912-23, 1948-96	
ANNUAL TOTAL	31220.2		22143.5			
ANNUAL MEAN	85.5		60.5		66.6	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	667	Jun 14	447	May 16	1240	Jun 7 1984
LOWEST DAILY MEAN	3.6	Feb 15	8.0	Jan 27	1.0	Mar 22 1912
ANNUAL SEVEN-DAY MINIMUM	4.7	Feb 10	9.7	Dec 18	2.6	Jan 4 1960
ANNUAL RUNOFF (AC-FT)	61930		43920		48270	
10 PERCENT EXCEEDS	305		204		197	
50 PERCENT EXCEEDS	22		20		18	
90 PERCENT EXCEEDS	7.5		13		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 sea level, 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)
June 12	0908	*753	*7.53				

Minimum daily discharge, 11 ft^3/s Sept. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	69	46	e35	e45	43	42	43	362	112	37	16
2	107	66	48	e33	e40	50	37	49	352	101	30	14
3	97	72	51	e31	e35	59	34	49	347	88	27	14
4	104	68	51	e32	e33	59	32	47	376	98	27	16
5	108	61	54	e31	e37	57	38	51	346	99	33	16
6	96	61	59	e31	e40	55	40	58	393	81	29	14
7	91	61	63	e32	e43	55	35	59	458	71	27	12
8	96	61	64	e29	e39	55	35	66	594	68	25	11
9	92	59	67	e33	e35	47	36	83	655	60	23	12
10	89	57	63	e38	e42	53	38	79	652	63	23	17
11	86	59	60	e33	e40	51	41	69	710	101	21	17
12	79	59	60	e32	e38	45	37	87	723	77	19	20
13	73	53	60	e31	e36	47	36	85	664	58	18	35
14	73	54	62	e32	e40	138	34	131	581	55	17	340
15	77	53	63	e34	e45	180	32	189	510	53	17	547
16	82	52	60	e34	e45	123	29	190	446	50	17	263
17	81	53	57	e32	e54	87	28	236	400	50	16	161
18	86	53	55	e30	e67	69	25	254	370	53	14	161
19	81	51	41	e32	78	60	23	249	329	53	15	131
20	77	49	e40	e34	75	55	32	229	306	55	14	95
21	74	48	e41	e32	72	55	30	202	281	42	15	80
22	72	47	e37	e30	69	56	29	172	287	38	16	76
23	79	47	e32	e29	86	52	27	185	277	34	14	70
24	97	47	e28	e33	77	52	27	216	242	32	13	73
25	106	47	e26	e36	60	53	26	265	207	30	13	70
26	113	45	e31	e33	56	51	32	253	182	27	12	64
27	101	45	e30	e31	57	52	34	338	168	26	14	56
28	88	46	e33	e35	52	53	29	331	156	26	37	53
29	75	44	e35	e40	42	51	29	382	145	31	33	53
30	76	44	e38	e45	---	47	38	382	128	34	29	50
31	71	---	e40	e50	---	45	---	366	---	41	20	---
TOTAL	2771	1631	1495	1043	1478	1955	985	5395	11647	1807	665	2557
MEAN	89.4	54.4	48.2	33.6	51.0	63.1	32.8	174	388	58.3	21.5	85.2
MAX	144	72	67	50	86	180	42	382	723	112	37	547
MIN	71	44	26	29	33	43	23	43	128	26	12	11
AC-FT	5500	3240	2970	2070	2930	3880	1950	10700	23100	3580	1320	5070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-96, BY WATER YEAR (WY)

MEAN	92.2	66.4	46.7	43.6	71.5	105	107	309	563	159	89.1	73.8
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	.25	.38	.11
(WY)	1957	1978	1978	1991	1977	1976	1977	1977	1977	1994	1960	1956

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1910-18, 1946-96	
ANNUAL TOTAL	52619.8		33429			
ANNUAL MEAN	144		91.3		144	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					17.6	1990
HIGHEST DAILY MEAN	1860	Jul 3	723	Jun 12	7300	Oct 8 1916
LOWEST DAILY MEAN	9.2	Apr 15	11	Sep 8	.00	Aug 24 1910
ANNUAL SEVEN-DAY MINIMUM	9.7	Apr 10	14	Sep 3	.00	Aug 15 1915
ANNUAL RUNOFF (AC-FT)	104400		66310		104100	
10 PERCENT EXCEEDS	296		238		311	
50 PERCENT EXCEEDS	54		52		50	
90 PERCENT EXCEEDS	18		26		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, 4,330 microsiemens Mar. 19; minimum observed, 840 microsiemens June 10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
30...	1310	83	2530	8.3	21.0	10.0	9.2	650	940	180
MAR										
20...	1150	52	4080	8.4	15.0	6.0	10.2	657	1300	240
APR										
24...	1140	27	3300	8.2	29.0	16.0	8.6	650	1200	230
JUN										
06...	1115	428	1290	8.3	31.5	21.0	7.2	657	480	97
27...	1030	156	1540	8.3	22.0	19.5	7.0	654	510	100
AUG										
01...	1030	42	2800	8.3	27.5	23.0	6.6	657	980	180
16...	1030	16	2830	8.2	24.5	21.5	7.0	660	980	180

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT										
30...	120	260	37	4	15	0	334	274	1200	39
MAR										
20...	180	520	46	6	1.9	17	349	314	2000	71
APR										
24...	150	370	40	5	9.7	0	342	280	1600	70
JUN										
06...	57	110	33	2	3.7	0	283	232	450	15
27...	64	130	35	2	4.5	0	286	234	600	18
AUG										
01...	130	310	40	4	8.9	0	259	212	1400	44
16...	130	290	39	4	9.2	0	246	202	1400	63

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
30...	0.30	6.3	2120	1990	2.88	475	0.080	--	<0.010	0.080
MAR										
20...	0.30	7.8	3570	3210	4.86	500	0.320	--	<0.010	0.320
APR										
24...	0.30	6.1	2860	2600	3.89	207	--	--	<0.010	--
JUN										
06...	0.30	5.8	926	878	1.26	1070	--	--	--	--
27...	0.30	5.9	1140	1060	1.55	480	0.050	0.050	0.010	0.060
AUG										
01...	0.30	5.6	2340	2210	3.18	265	--	--	<0.010	--
16...	0.30	3.6	2460	2200	3.35	104	--	--	0.010	--

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
OCT									
30...	0.080	<0.015	--	0.40	0.40	0.48	0.100	<0.010	--
MAR									
20...	0.320	0.050	0.06	0.55	0.60	0.92	0.130	<0.010	--
APR									
24...	<0.050	0.060	0.08	0.24	0.30	0.30	<0.010	<0.010	--
JUN									
06...	--	--	--	0.60	0.60	0.60	0.270	--	--
27...	0.060	<0.015	--	0.50	0.50	0.56	0.060	<0.010	--
AUG									
01...	<0.050	0.020	0.03	0.38	0.40	0.40	<0.010	<0.010	--
16...	<0.050	0.030	0.04	0.37	0.40	0.40	<0.010	0.010	0.03

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SELENIUM, TOTAL (UG/L AS SE) (01147)
JUN										
06...	1115	5	<10	<1	17	22	20000	15	100	3

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)
OCT		
30...	1310	220
MAR		
20...	1150	290
APR		
24...	1140	320
JUN		
06...	1115	112
27...	1030	136
AUG		
01...	1030	284
16...	1030	321

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
MAR			
20...	1150	6.4	1.7
JUN			
27...	1030	22	1.9
AUG			
01...	1030	5.8	0.60
16...	1030	5.1	0.40

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	2580	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	2880	---	---	---	---	---	---	---	---	1920	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	2680	3090	3010	---	---	---	---	---	---	---	---	---
6	2400	---	3000	---	---	---	---	2990	---	---	---	2970
7	2370	---	2870	---	---	---	---	---	---	---	---	2960
8	---	3070	---	---	---	---	---	---	---	---	---	2930
9	---	3160	---	---	---	---	---	---	940	---	---	2940
10	---	---	---	---	---	---	---	---	840	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	3100
12	2620	---	---	---	2470	---	---	2510	---	---	---	---
13	2620	---	2920	---	---	---	---	---	---	---	---	---
14	2730	3250	---	2810	---	---	---	---	---	---	---	---
15	---	---	---	2740	---	---	2930	---	---	---	---	---
16	---	---	---	2780	---	---	3070	---	---	---	---	---
17	---	---	---	2590	---	---	---	---	---	---	---	2580
18	2600	---	2820	---	---	---	---	1320	---	---	---	---
19	2670	---	---	2130	---	4330	---	---	---	---	---	---
20	2470	---	2970	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	2990	---
22	---	3340	---	---	---	---	---	---	---	---	---	2370
23	---	---	---	---	---	3150	---	1740	---	---	---	2720
24	---	---	---	2900	---	---	3200	---	---	---	---	2690
25	---	---	---	---	---	---	---	---	---	---	---	---
26	2260	---	---	---	---	---	3880	---	1560	---	3080	---
27	---	---	3690	2880	---	---	---	2550	---	---	3040	---
28	---	---	---	2920	3570	---	---	---	---	---	2920	---
29	---	3490	---	---	---	---	---	---	1720	---	---	2670
30	---	3500	---	2710	---	---	---	---	---	---	2790	---
31	---	---	3400	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---

09329050 SEVEN MILE CREEK NEAR FISH LAKE, UT

LOCATION.--Lat 38°37'40", long 111°38'50", in $SE^1/_4SW^1/_4SW^1/_4$ 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 mi^2.

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 sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 424 ft^3/s June 12, 1995, gage height, 3.52 ft; minimum, 1.3 ft^3/s Oct. 30, 1994, due to ice storage.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 80 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 12	2100	*328	*2.82

No other peak greater than base discharge.

Minimum daily discharge, 7.4 ft^3/s Oct. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	e16	e11	e9.7	e7.8	e10	e16	24	11	9.1	7.9
2	13	12	e14	e11	e8.8	e7.8	e11	e18	23	10	8.4	8.1
3	13	11	e13	e13	e8.0	e7.8	e12	e22	23	12	8.5	7.9
4	14	8.6	e14	e13	e8.8	e11	e12	e26	22	10	8.0	7.9
5	14	8.6	e13	e12	e9.0	e11	e9.6	e32	22	10	8.7	8.0
6	13	8.2	e13	e11	e9.0	e9.0	e9.5	e37	21	10	7.9	8.7
7	13	8.4	e12	e11	e9.0	e9.2	e10	e45	21	10	7.7	8.4
8	13	9.7	e12	e11	e9.0	e9.8	e12	e52	20	9.8	8.2	8.2
9	13	11	e11	e12	e9.0	e10	e11	e66	19	9.3	8.1	8.2
10	13	9.4	e11	e13	e8.8	e10	e11	88	18	9.2	7.8	8.0
11	13	17	e12	e12	e8.8	e11	e10	120	18	11	7.8	8.4
12	12	12	e13	e11	e8.8	e11	e10	154	17	9.6	8.1	8.8
13	13	11	e13	e10	e8.8	e11	e9.7	165	16	8.6	7.9	9.0
14	12	12	e12	e11	e8.8	e10	e9.5	158	15	8.6	8.4	10
15	12	11	e11	e12	e8.8	e10	e10	159	14	8.6	8.1	9.1
16	12	11	e11	e12	e9.3	e10	e12	163	14	9.3	8.2	9.3
17	12	12	e10	e11	e9.7	e9.8	e12	122	13	8.8	8.0	9.3
18	11	11	e10	e9.5	e10	e9.5	e11	85	13	8.5	8.3	9.3
19	12	11	e10	e9.2	e11	e9.7	e9.5	72	12	8.5	8.6	8.8
20	11	11	e9.9	e9.0	e12	e10	e9.5	59	12	12	8.3	8.8
21	12	11	e9.5	e9.4	e10	e11	e9.8	49	12	8.4	7.9	8.6
22	11	10	e9.2	e9.0	e9.0	e13	e10	44	12	8.4	7.9	8.2
23	12	10	e9.0	e8.3	e8.3	e11	e11	53	12	8.4	8.1	8.1
24	7.9	11	e8.5	e9.0	e8.9	e9.8	e11	38	11	8.1	8.3	8.2
25	7.4	10	e8.5	e8.8	e9.5	e9.4	e12	32	11	8.5	8.8	7.6
26	11	e12	e9.0	e8.3	e7.5	e9.3	e12	48	12	8.3	11	7.6
27	12	e14	e9.0	e9.0	e7.0	e10	e12	40	13	8.5	13	8.0
28	13	e15	e9.6	e10	e7.9	e10	e12	51	12	10	9.1	8.4
29	14	e16	e12	e10	e7.8	e9.8	e13	29	11	10	7.8	8.2
30	11	e16	e12	e12	---	e9.6	e14	25	11	8.7	7.8	8.0
31	11	---	e12	e10	---	e9.4	---	24	---	8.7	8.0	---
TOTAL	375.3	344.9	349.2	328.5	261.0	307.7	328.1	2092	474	290.8	261.8	253.0
MEAN	12.1	11.5	11.3	10.6	9.00	9.93	10.9	67.5	15.8	9.38	8.45	8.43
MAX	14	17	16	13	12	13	14	165	24	12	13	10
MIN	7.4	8.2	8.5	8.3	7.0	7.8	9.5	16	11	8.1	7.7	7.6
AC-FT	744	684	693	652	518	610	651	4150	940	577	519	502

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	9.38	8.37	7.47	6.83	6.51	7.00	14.2	47.5	38.2	13.7	10.9	9.74
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	8413.6		5666.3			
ANNUAL MEAN	23.1		15.5		15.0	
HIGHEST ANNUAL MEAN					32.6	1984
LOWEST ANNUAL MEAN					7.33	1990
HIGHEST DAILY MEAN	211	Jun 13	165	May 13	227	Jun 1 1984
LOWEST DAILY MEAN	4.8	Jan 1	7.0	Feb 27	2.5	Jan 21 1987
ANNUAL SEVEN-DAY MINIMUM	5.1	Jan 1	7.7	Feb 26	3.1	Jan 13 1992
ANNUAL RUNOFF (AC-FT)	16690		11240		10880	
10 PERCENT EXCEEDS	58		20		29	
50 PERCENT EXCEEDS	13		10		8.5	
90 PERCENT EXCEEDS	5.7		8.1		5.1	

e Estimated

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'03", in $SW^1/_4NE^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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 periods of heavy moss growth in the channel from June to November and 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 $ft^3/_s$ Apr. 5, 1942, gage height, 5.8 ft, site and datum in use from floodmarks and from rating curve extended above 700 $ft^3/_s$; minimum observed, 18 $ft^3/_s$ June 2, 4, 13-15, 17, 18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 106 $ft^3/_s$ Nov. 30, gage height, 4.55 ft; minimum daily discharge, 52 $ft^3/_s$ June 10, 17-20, and 22-25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	99	97	91	92	e87	81	66	59	54	56	70
2	92	94	97	88	87	87	78	65	55	53	57	70
3	90	90	96	91	e83	88	77	66	55	53	57	70
4	88	94	98	92	82	90	76	64	55	53	54	71
5	89	97	95	91	86	88	75	63	54	54	54	70
6	92	100	94	89	89	86	74	64	54	55	53	72
7	95	101	97	90	93	86	67	64	53	55	53	75
8	92	98	99	90	95	88	68	57	55	56	53	75
9	93	98	97	91	95	87	66	59	53	58	54	75
10	91	97	97	93	95	87	66	61	52	56	54	75
11	92	96	97	91	92	87	66	62	53	55	55	76
12	92	99	97	91	90	86	68	61	53	55	54	80
13	87	97	95	90	91	91	70	61	54	54	54	78
14	89	96	95	89	92	89	70	59	53	54	54	76
15	93	96	91	91	93	89	68	59	53	54	55	77
16	93	98	95	93	92	87	67	57	54	56	55	78
17	91	97	94	94	92	84	67	58	52	55	55	78
18	92	97	88	e90	90	83	68	56	52	55	57	78
19	92	98	87	86	89	84	67	56	52	54	56	78
20	94	98	87	e83	92	85	68	56	52	54	57	80
21	96	98	86	84	100	85	68	56	53	55	58	76
22	93	98	83	85	94	85	74	56	52	55	58	74
23	92	96	e82	e82	e86	83	75	60	52	54	58	73
24	96	96	e81	82	89	83	71	58	52	53	59	73
25	98	98	e80	e82	86	84	68	58	52	54	65	71
26	98	99	80	e83	86	85	66	60	54	54	71	70
27	93	94	82	e83	81	85	66	59	55	55	73	69
28	90	94	84	84	84	84	68	58	54	57	74	69
29	91	100	87	85	87	83	71	57	54	57	69	70
30	93	101	92	90	---	82	70	56	55	56	68	70
31	93	---	99	93	---	82	---	56	---	56	67	---
TOTAL	2862	2914	2829	2737	2603	2660	2104	1848	1606	1699	1817	2217
MEAN	92.3	97.1	91.3	88.3	89.8	85.8	70.1	59.6	53.5	54.8	58.6	73.9
MAX	98	101	99	94	100	91	81	66	59	58	74	80
MIN	87	90	80	82	81	82	66	56	52	53	53	69
AC-FT	5680	5780	5610	5430	5160	5280	4170	3670	3190	3370	3600	4400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1996, BY WATER YEAR (WY)

MEAN	87.0	91.1	87.3	89.3	97.2	105	125	89.4	75.1	70.4	76.8	76.7
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1977 - 1996	
ANNUAL TOTAL	29529		27896			
ANNUAL MEAN	80.9		76.2		89.1	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	107	Mar 1	101	Nov 7	813	Apr 17 1987
LOWEST DAILY MEAN	51	Jul 7	52	Jun 10	34	Jul 31 1986
ANNUAL SEVEN-DAY MINIMUM	52	Jul 7	52	Jun 17	38	Jul 29 1986
ANNUAL RUNOFF (AC-FT)	58570		55330		64530	
10 PERCENT EXCEEDS	97		96		121	
50 PERCENT EXCEEDS	84		80		83	
90 PERCENT EXCEEDS	58		54		56	

e Estimated

09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'40", long 111°04'00", in $NE^1/_4NE^1/_4NE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,750 ft above sea level, from topographic map. Prior to May 16, 1996 at site 300 ft upstream at datum 6.00 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Many diversions for irrigation upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 $ft^3/_s$ July 24, 1984, gage height, 10.20 ft, from rating curve extended above 640 $ft^3/_s$ on basis of slope-area measurement at gage heights of 6.90 ft and 7.20 ft at datum then in use and slope-conveyance study; minimum discharge, 8 $ft^3/_s$ June 29, 1994.

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)
June 30	1820	[a] 1,190	[b] 7.00	Sept. 14	0750	[a] *1,780	[b] *7.45

[a] From rating curve extended above 640 $ft^3/_s$

[b] From floodmarks

Minimum daily discharge, 15 $ft^3/_s$ June 7 and Sept. 5, 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e59	93	104	e83	108	91	84	45	24	35	27	e25
2	e59	82	104	85	96	101	78	42	25	25	31	e27
3	e57	77	100	90	82	101	64	40	21	25	34	e23
4	e55	83	102	e91	92	105	54	41	18	28	32	e18
5	e56	87	102	93	96	102	50	40	18	30	28	e15
6	e59	95	101	90	101	97	63	37	19	30	24	15
7	e62	106	100	e92	108	95	61	34	15	30	24	21
8	e59	105	108	93	114	100	46	33	18	28	22	23
9	e60	104	105	e91	112	99	38	31	21	26	27	23
10	e58	103	104	e91	108	101	37	31	22	26	28	23
11	e59	99	103	e90	105	99	38	30	22	23	28	23
12	e59	101	106	91	99	99	44	31	21	23	26	e30
13	e54	102	104	91	99	105	55	27	21	27	23	45
14	e56	97	101	93	101	108	54	21	24	26	23	87
15	e60	97	97	94	104	101	49	22	24	23	25	38
16	e61	97	98	97	103	98	43	21	24	21	e28	32
17	56	98	99	e97	104	92	45	20	23	21	e30	e34
18	65	95	92	e97	105	87	44	20	20	20	e30	37
19	68	97	89	e97	98	87	51	20	19	19	e30	38
20	65	95	86	98	102	85	48	19	20	21	e30	39
21	82	95	87	95	115	92	48	17	25	23	e31	39
22	81	96	82	95	115	91	48	16	24	20	e32	37
23	85	93	81	75	93	89	49	18	25	20	e32	36
24	86	91	e79	101	95	90	48	23	22	18	e32	37
25	93	92	e79	92	96	91	49	29	18	19	e34	37
26	101	95	e78	78	97	94	48	34	20	20	e35	36
27	95	91	e78	94	83	95	44	31	24	23	e36	37
28	87	96	e77	101	88	93	42	28	24	29	e35	39
29	84	103	e77	101	95	91	46	21	26	31	e32	40
30	82	106	e78	99	---	88	46	19	73	26	e27	39
31	82	---	e83	112	---	88	---	19	---	26	e25	---
TOTAL	2145	2871	2884	2887	2914	2955	1514	860	700	762	901	993
MEAN	69.2	95.7	93.0	93.1	100	95.3	50.5	27.7	23.3	24.6	29.1	33.1
MAX	101	106	108	112	115	108	84	45	73	35	36	87
MIN	54	77	77	75	82	85	37	16	15	18	22	15
AC-FT	4250	5690	5720	5730	5780	5860	3000	1710	1390	1510	1790	1970

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1996, BY WATER YEAR (WY)

MEAN	67.2	86.9	89.1	91.9	98.7	102	96.7	64.2	44.0	47.1	58.5	56.2
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	50.5	26.6	21.3	23.0	24.0	23.8
(WY)	1980	1982	1969	1975	1979	1981	1996	1974	1981	1994	1978	1978

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968 - 1996	
ANNUAL TOTAL	25833		22386			
ANNUAL MEAN	70.8		61.2		75.1	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	281	Aug 22	115	Feb 21	1200	Jul 19 1985
LOWEST DAILY MEAN	21	Jul 11	15	Jun 7	12	Jun 27 1980
ANNUAL SEVEN-DAY MINIMUM	25	Jul 9	19	May 17	13	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	51240		44400		54420	
10 PERCENT EXCEEDS	101		101		111	
50 PERCENT EXCEEDS	78		58		74	
90 PERCENT EXCEEDS	31		21		29	

e Estimated

09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in $NE^1/_4NW^1/_4NE^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ May 10, 1952, gage height, 11.14 ft, present datum from rating curve extended above 400 $ft^3/_s$ 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 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
July 5	1345	*398	*3.54				

Minimum daily discharge, 8.4 $ft^3/_s$ Nov. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	23	17	e13	e14	e13	19	63	120	70	38	20
2	41	17	16	e13	e13	e14	20	70	121	68	39	20
3	40	8.4	16	e12	e13	e13	17	69	125	66	39	19
4	41	14	17	e13	e13	e12	18	71	129	66	38	19
5	39	23	16	e13	e13	11	18	81	135	68	39	19
6	36	23	15	e13	e14	13	21	95	139	52	44	20
7	32	21	14	e13	e14	12	29	96	142	51	43	20
8	33	20	13	e12	e14	13	40	93	141	50	42	20
9	33	20	15	e13	e14	12	48	101	140	49	42	19
10	32	19	17	e14	15	13	42	106	136	47	42	19
11	32	19	16	e13	13	13	32	113	133	46	41	21
12	31	24	14	e12	13	14	27	135	131	44	41	24
13	31	20	14	e12	14	14	21	160	130	43	40	27
14	30	20	12	e12	13	12	21	170	123	42	39	27
15	28	20	13	e12	14	13	22	177	117	41	38	20
16	27	18	15	e11	14	13	22	200	112	43	39	19
17	26	18	e14	e11	13	12	21	205	108	49	38	19
18	26	19	e13	e11	14	12	21	210	105	47	36	19
19	26	19	e12	e11	13	13	20	210	100	44	36	18
20	25	18	e13	e12	14	15	20	209	98	43	35	19
21	25	18	e12	e13	14	18	18	200	96	42	34	18
22	23	18	e12	e13	13	18	18	197	92	40	33	17
23	18	18	e12	e13	13	17	22	195	88	38	32	17
24	16	19	e11	e12	13	12	33	176	85	37	29	17
25	21	18	e12	e14	15	13	42	169	81	37	23	17
26	23	18	e13	e13	11	12	52	161	82	41	23	17
27	23	13	e13	e12	e12	13	60	152	84	41	23	16
28	23	e18	e13	e13	e12	13	50	154	77	42	22	17
29	23	19	e13	e13	e12	13	41	133	74	42	20	16
30	23	19	e13	e13	---	14	50	125	72	39	21	16
31	23	---	e14	e14	---	15	---	121	---	39	20	---
TOTAL	892	561.4	430	389	387	415	885	4417	3316	1467	1069	576
MEAN	28.8	18.7	13.9	12.5	13.3	13.4	29.5	142	111	47.3	34.5	19.2
MAX	42	24	17	14	15	18	60	210	142	70	44	27
MIN	16	8.4	11	11	11	11	17	63	72	37	20	16
AC-FT	1770	1110	853	772	768	823	1760	8760	6580	2910	2120	1140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-96, BY WATER YEAR (WY)

MEAN	18.2	11.8	9.31	8.04	8.52	12.2	32.6	102	124	69.9	40.8	25.7
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	4.15	7.84	14.2	15.7	17.1	7.55	9.58
(WY)	1978	1912	1912	1911	1911	1995	1967	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1911-13, 1950-96	
ANNUAL TOTAL	20714.7		14804.4			
ANNUAL MEAN	56.8		40.4		38.6	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	664	Aug 11	210	May 18	664	Aug 11 1995
LOWEST DAILY MEAN	1.4	Mar 7	8.4	Nov 3	.00	Apr 13 1911
ANNUAL SEVEN-DAY MINIMUM	2.8	Mar 4	11	Jan 13	1.0	Apr 10 1911
ANNUAL RUNOFF (AC-FT)	41090		29360		28000	
10 PERCENT EXCEEDS	177		112		99	
50 PERCENT EXCEEDS	23		20		17	
90 PERCENT EXCEEDS	4.7		13		6.8	

e Estimated

09337000 PINE CREEK NEAR ESCALANTE, UT

LOCATION.--Lat 37°51'45", long 111°38'07", in $SW^1/_4NE^1/_4SW^1/_4$ sec. 12, T. 34 S., R. 2 E., Garfield County, Hydrologic Unit 14070005, Dixie National Forest, on right bank 0.1 mi downstream from "The Box" canyon, 0.2 mi upstream from unnamed right bank tributary, and 7.0 mi north of Escalante.

DRAINAGE AREA.--68.1 mi^2.

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. Crest-stage gage since June 16, 1994. Elevation of gage is 6,400 ft above sea level, from topographic map. Prior to Aug. 15, 1978, on left bank at same datum.

REMARKS.--Records good except those for flows less than 2.0 $ft^3/_s$ and estimated daily discharges, which are poor. Several small storage reservoirs upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 $ft^3/_s$ Aug. 2, 1967, gage height, 7.72 ft, from rating curve extended above 35 $ft^3/_s$ 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 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Apr. 27	2400	* 37	* 2.40				

Minimum daily discharge, 0.82 $ft^3/_s$ Aug. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.3	e4.0	e4.0	e3.0	e3.3	3.5	5.5	4.9	5.1	1.0	.96
2	3.7	4.1	4.3	e4.0	e3.0	e3.2	3.7	6.0	4.7	4.8	1.2	1.0
3	3.6	e3.7	4.4	e4.2	e3.0	e3.2	3.5	4.8	4.5	4.5	1.1	.98
4	3.5	e3.8	4.3	e4.4	e3.0	3.4	3.5	4.2	4.3	4.3	.97	.95
5	3.8	e3.7	4.2	e4.4	e3.0	3.4	3.5	3.8	4.2	4.9	.95	.96
6	3.8	4.2	4.2	e4.0	e3.0	3.4	3.5	3.4	4.2	4.7	.94	1.2
7	3.8	4.2	4.3	e3.4	e3.0	3.7	3.7	2.6	4.0	4.2	.93	1.2
8	3.8	4.2	3.9	e3.2	e3.0	3.5	4.2	2.6	4.2	4.1	.89	1.1
9	3.7	4.2	4.3	e3.2	e3.0	3.4	4.5	4.8	4.1	4.6	.92	1.1
10	3.6	4.4	4.5	e3.6	2.8	3.5	4.9	4.4	4.0	3.8	.91	1.0
11	3.5	4.4	4.5	e3.2	3.2	3.5	4.2	3.8	3.9	3.4	.85	1.2
12	3.5	4.5	4.3	e3.2	3.2	3.4	4.3	3.2	4.9	3.4	.84	1.4
13	3.5	4.4	4.3	e3.0	3.2	3.6	3.9	2.7	5.1	3.2	.82	3.1
14	3.5	4.3	4.2	e3.0	3.2	3.2	3.6	2.3	5.1	2.8	.86	2.8
15	3.5	4.2	e4.0	e3.0	3.3	3.2	3.8	2.1	5.2	2.5	.92	1.4
16	3.6	4.2	e4.0	e3.0	3.3	3.2	3.9	2.5	5.9	2.3	.99	1.4
17	3.5	4.1	e4.0	e3.0	3.4	3.2	3.8	5.2	5.9	2.0	1.0	1.8
18	3.6	4.1	e4.0	e3.0	3.4	3.2	3.9	5.2	5.8	1.7	1.0	1.5
19	3.6	4.2	e3.8	e3.0	3.3	3.2	3.5	5.2	5.8	1.4	.99	1.4
20	3.6	4.1	e3.6	e3.0	3.7	3.3	3.8	5.3	5.9	1.2	.95	1.3
21	3.7	4.1	e3.4	e3.0	4.1	3.5	3.5	5.3	6.2	1.1	.90	1.3
22	3.6	4.1	e3.2	e3.0	3.6	3.6	3.5	5.8	5.8	.98	.90	1.3
23	3.7	4.1	e3.0	e3.0	e2.5	3.6	3.7	6.1	5.6	.95	.88	1.3
24	4.1	4.0	e3.0	e3.0	e3.0	e3.0	3.7	6.5	5.5	.92	1.3	1.2
25	4.1	4.2	e3.0	e3.0	e3.3	e3.0	6.7	7.1	5.3	.98	1.3	1.2
26	4.1	4.3	e3.0	e3.0	e3.0	e3.0	9.5	7.2	5.6	1.0	1.2	1.2
27	3.9	2.4	e3.0	e3.0	e3.3	e3.0	13	7.1	6.3	1.1	1.4	1.3
28	3.9	4.2	e3.0	e3.0	e3.3	e3.0	13	6.9	5.5	1.0	1.1	1.3
29	3.8	e3.5	e3.4	e3.0	e3.3	3.7	6.3	6.5	5.3	1.1	.96	1.3
30	3.7	e3.5	e3.8	e3.0	---	e3.0	4.6	5.4	5.1	.98	.90	1.3
31	3.8	---	e4.0	e3.0	---	3.5	---	5.1	---	.97	.89	---
TOTAL	114.8	121.7	118.9	101.8	92.4	102.9	144.7	148.6	152.8	79.98	30.76	40.45
MEAN	3.70	4.06	3.84	3.28	3.19	3.32	4.82	4.79	5.09	2.58	.99	1.35
MAX	4.1	4.5	4.5	4.4	4.1	3.7	13	7.2	6.3	5.1	1.4	3.1
MIN	3.5	2.4	3.0	3.0	2.5	3.0	3.5	2.1	3.9	.92	.82	.95
AC-FT	228	241	236	202	183	204	287	295	303	159	61	80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-55,1958-96, BY WATER YEAR (WY)

MEAN	2.87	2.69	2.17	2.09	2.12	2.59	6.83	17.1	7.22	5.53	4.74	3.57
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	.000	.000	.000
(WY)	1965	1965	1965	1965	1965	1965	1977	1977	1977	1955	1954	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951-55, 1958-96	
ANNUAL TOTAL	2508.8		1249.79			
ANNUAL MEAN	6.87		3.41		4.98	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					.62	1977
HIGHEST DAILY MEAN	73	Jun 6	13	Apr 27	205	May 18 1964
LOWEST DAILY MEAN	1.0	Feb 16	.82	Aug 13	.00	Mar 12 1954
ANNUAL SEVEN-DAY MINIMUM	1.7	Feb 12	.87	Aug 8	.00	Jun 17 1954
ANNUAL RUNOFF (AC-FT)	4980		2480		3610	
10 PERCENT EXCEEDS	12		5.1		9.2	
50 PERCENT EXCEEDS	4.4		3.5		2.9	
90 PERCENT EXCEEDS	2.6		1.0		.55	

e Estimated

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

LOCATION.--Lat 37°46'41", long 111°34'26", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ sec. 9, T. 35 S., R. 3 E., Garfield County, Hydrologic Unit 14070005, Bureau of Land Management, on left bank 150 ft downstream from Pine Creek and 1.5 mi northeast of Escalante.

DRAINAGE AREA.--320 mi^2.

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 and crest-stage gage. Elevation of gage, 5,670 ft above sea level, from topographic map. Prior to Apr. 30, 1913, staff at approximately same site at different datum.

REMARKS.--Records good except those for discharges less than 2.0 ft$^3/_s$, and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 2,300 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,450 ft$^3/_s$, August 1953, day unknown, gage height, 9.9 ft from outside high-water mark, from rating curve extended above 150 ft$^3/_s$ on basis of slope-area measurements at gage heights, 4.60 ft, 5.50 ft, 7.34 ft, and 7.59 ft; minimum daily, 0.07 ft$^3/_s$, July 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,270 ft$^3/_s$, Aug. 26, gage height, 8.23 ft, from rating curve extended above 150 ft$^3/_s$ as explained above and also at gage heights 5.31 ft and 6.15 ft; minimum daily discharge, 0.19 ft$^3/_s$ Aug. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	8.2	17	5.8	5.3	9.2	1.9	2.0	.81	.58	.33	e.60
2	1.9	8.0	17	e5.5	4.5	10	2.1	2.0	.78	.66	.85	e.60
3	2.0	6.6	12	6.5	8.6	12	2.3	1.8	.63	.67	1.5	e.60
4	1.9	e6.0	6.6	7.1	11	15	4.5	1.9	.65	.53	.25	e.60
5	2.0	7.1	11	6.6	9.6	15	7.8	1.9	.56	.47	.23	.51
6	2.3	8.1	16	6.7	16	15	9.1	1.8	.55	.35	.21	.68
7	2.3	7.9	17	e6.0	16	14	8.8	1.6	.52	.36	.22	.70
8	2.0	7.8	16	e5.5	16	14	8.7	1.5	.52	.46	.19	.69
9	1.9	7.8	13	e6.0	15	14	11	1.6	.48	.68	.24	.74
10	1.7	8.0	7.7	6.6	15	14	12	1.5	.42	.78	.24	.60
11	1.6	6.9	7.3	5.9	14	7.0	5.2	1.5	.43	.75	.24	.71
12	1.7	8.5	12	5.9	14	7.6	2.5	1.5	.39	.77	.23	4.9
13	1.7	7.9	17	e5.5	15	3.0	2.3	1.4	.35	.78	.25	112
14	2.0	7.8	16	5.7	15	2.4	2.2	1.3	.44	.58	.33	12
15	2.2	e8.0	9.3	6.0	15	3.6	2.1	1.3	.48	.63	.38	1.6
16	2.3	e8.0	6.9	6.0	15	4.6	2.0	1.3	.38	.70	.43	13
17	2.2	e8.0	5.1	6.2	14	3.8	2.0	1.4	.35	.52	.49	9.1
18	2.0	e8.0	e4.0	e5.0	15	2.8	2.0	1.1	.37	.63	.54	1.4
19	2.4	e7.0	e3.8	e5.5	16	2.5	1.9	.89	.38	.31	.50	1.4
20	2.6	e6.5	3.6	6.4	10	2.3	2.0	.89	.44	.27	.46	1.3
21	3.0	6.2	3.6	5.2	5.1	2.4	2.0	.83	.60	.24	.49	1.1
22	e3.6	6.3	3.1	5.4	3.0	2.4	2.0	.72	.53	.24	.55	1.0
23	e5.0	7.2	e3.0	e5.0	2.6	2.4	1.9	.84	.58	.24	.45	.97
24	8.1	7.1	e2.0	e5.0	4.7	2.4	1.9	1.0	.53	.28	.53	.95
25	8.0	7.7	e2.0	5.3	9.3	2.3	1.9	1.4	.41	.33	40	1.4
26	8.2	7.8	e2.1	e5.0	6.7	2.3	3.1	1.4	.49	17	133	1.0
27	7.7	4.6	e2.2	e5.0	9.2	2.3	5.1	1.2	.60	3.7	e3.0	.96
28	7.5	5.8	2.2	5.2	7.1	2.3	8.9	1.1	.60	1.4	e1.0	1.0
29	7.8	20	3.7	5.8	9.7	2.7	2.6	.92	.52	1.3	e.80	.99
30	7.3	16	5.4	5.9	---	2.4	2.1	.75	.50	.62	e.60	.92
31	7.5	---	6.0	5.6	---	2.6	---	.81	---	.36	e.60	---
TOTAL	114.4	240.8	253.6	178.8	317.4	198.3	123.9	41.15	15.29	37.19	189.13	174.02
MEAN	3.69	8.03	8.18	5.77	10.9	6.40	4.13	1.33	.51	1.20	6.10	5.80
MAX	8.2	20	17	7.1	16	15	12	2.0	.81	17	133	112
MIN	1.6	4.6	2.0	5.0	2.6	2.3	1.9	.72	.35	.24	.19	.51
AC-FT	227	478	503	355	630	393	246	82	30	74	375	345

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912, 1943-55, 1973-96, BY WATER YEAR (WY)

MEAN	7.48	6.77	7.27	8.38	10.2	12.1	14.6	22.6	18.3	6.33	8.09	5.67
MAX	29.9	23.8	18.1	26.4	23.7	39.7	54.8	124	125	30.5	30.8	29.9
(WY)	1973	1988	1943	1950	1943	1989	1993	1973	1983	1944	1983	1980
MIN	.90	.80	.77	.96	1.21	.67	1.23	.88	.48	.47	.84	.73
(WY)	1991	1991	1991	1991	1993	1991	1990	1954	1990	1978	1978	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1912, 1943-55, 1973-96	
ANNUAL TOTAL	3790.67		1883.98			
ANNUAL MEAN	10.4		5.15		10.8	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	115	Jun 15	133	Aug 26	300	Aug 16 1947
LOWEST DAILY MEAN	.40	Jul 8	.19	Aug 8	.07	Jul 11 1990
ANNUAL SEVEN-DAY MINIMUM	1.0	Jul 27	.22	Aug 5	.18	Aug 26 1990
ANNUAL RUNOFF (AC-FT)	7520		3740		7840	
10 PERCENT EXCEEDS	21		12		23	
50 PERCENT EXCEEDS	5.6		2.3		4.8	
90 PERCENT EXCEEDS	1.4		.46		1.1	

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in $NE^1/_4SW^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,170 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 $ft^3/_s$ Nov. 5, 1987, gage height, 4.17 ft; minimum daily, 0.01 $ft^3/_s$ Aug.19, 20, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 $ft^3/_s$ and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
July 9	1415	*131	*3.68	No other peak greater than base discharge.			

Minimum daily discharge, 0.01 $ft^3/_s$ Aug. 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.22	.17	.15	e.16	e.15	e.10	.06	.12	.05	e.04	.11	e.04
2	e.20	.14	.15	e.14	e.14	e.10	.06	.08	.06	e.04	.11	e.04
3	e.20	.16	e.14	e.15	e.12	e.10	.08	.08	.06	e.03	.11	e.03
4	e.20	.16	.14	e.16	e.12	e.11	.08	.08	.07	e.03	.11	e.03
5	e.19	.15	.14	e.15	e.12	.10	.08	.08	.06	e.03	.08	e.02
6	.14	.14	.14	e.15	e.12	.08	.07	.08	.05	e.03	.08	e.11
7	.14	.14	.14	e.15	e.12	.09	.08	.08	.05	e.03	.08	.08
8	.14	.14	.15	e.15	.12	.08	.08	.08	.05	e.03	.07	.08
9	.14	.14	e.13	e.15	.12	.08	.08	.08	e.05	e12	.05	.08
10	.14	.19	e.14	e.19	.12	.08	.08	.08	e.06	e.20	.05	.06
11	.15	.16	e.14	e.18	.11	.08	.08	.08	e.06	.08	.05	.05
12	.15	.17	.14	e.18	.12	.08	.08	.08	e.06	.08	.05	.05
13	.21	.15	.14	e.18	.12	.08	.08	.08	e.07	.08	e.04	.06
14	.22	.16	.14	e.18	.13	.08	.07	.08	.05	.08	e.04	.23
15	.21	.16	e.13	e.18	.11	.08	.07	.08	e.05	.08	e.03	.11
16	.24	.14	e.14	e.17	.08	.08	.08	.08	e.05	.07	e.03	.09
17	.26	.14	.16	e.16	.08	.08	.09	.08	e.05	.06	e.02	.12
18	.22	.16	e.14	e.15	.08	.08	.11	.08	e.05	.05	e.02	.11
19	.22	.17	e.14	e.16	.08	.09	.10	.08	e.05	.05	e.01	.08
20	.22	.16	e.14	e.15	.10	.09	.11	.08	e.05	.05	e.01	.08
21	.22	.14	e.13	e.16	.46	.08	.11	.08	e.05	.05	e.09	.08
22	.22	.14	e.14	e.16	.15	.08	.12	.08	e.05	e.04	.09	.08
23	.21	.15	e.13	e.14	.09	.08	.11	.07	e.05	e.04	.08	.08
24	.20	.15	e.13	e.13	.13	.06	.12	.05	e.05	e.04	.08	.08
25	.15	.15	e.13	e.15	.10	.07	.14	.07	e.05	e.04	.08	.08
26	.16	.14	e.13	e.13	e.10	.07	.14	.06	e.04	e.04	.08	.08
27	.17	e.14	e.14	e.12	e.09	.07	.14	.05	e.04	e.04	.06	.06
28	.15	e.13	e.14	e.14	e.09	.07	.14	.05	e.04	e.04	.05	.05
29	.14	.15	e.14	e.14	e.10	.06	.14	.05	e.04	e.40	.05	.05
30	.14	.14	e.14	e.15	---	.05	.14	.05	e.04	.13	.05	.05
31	.14	---	e.16	e.15	---	.05	---	.05	---	.13	.05	---
TOTAL	5.71	4.53	4.34	4.81	3.57	2.48	2.92	2.30	1.55	14.13	1.91	2.24
MEAN	.18	.15	.14	.16	.12	.080	.097	.074	.052	.46	.062	.075
MAX	.26	.19	.16	.19	.46	.11	.14	.12	.07	12	.11	.23
MIN	.14	.13	.13	.12	.08	.05	.06	.05	.04	.03	.01	.02
AC-FT	11	9.0	8.6	9.5	7.1	4.9	5.8	4.6	3.1	28	3.8	4.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

MEAN	.23	.75	.21	.18	.36	2.17	6.41	7.38	3.44	.75	.32	.31
MAX	.45	5.40	.64	.45	1.08	5.65	19.0	33.0	11.6	3.51	.52	.91
(WY)	1987	1988	1988	1988	1986	1995	1993	1993	1995	1995	1987	1991
MIN	.10	.093	.079	.075	.070	.080	.097	.074	.052	.14	.062	.075
(WY)	1992	1993	1993	1990	1993	1996	1996	1996	1996	1994	1996	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	1224.40		50.49			
ANNUAL MEAN	3.35		.14		1.88	
HIGHEST ANNUAL MEAN					5.89	1993
LOWEST ANNUAL MEAN					.14	1996
HIGHEST DAILY MEAN	32	Jun 17	12	Jul 9	60	May 17 1993
LOWEST DAILY MEAN	.09	Jan 17	.01	Aug 19	.01	Aug 19 1996
ANNUAL SEVEN-DAY MINIMUM	.10	Jan 17	.02	Aug 14	.02	Aug 14 1996
ANNUAL RUNOFF (AC-FT)	2430		100		1360	
10 PERCENT EXCEEDS	10		.16		5.6	
50 PERCENT EXCEEDS	.27		.09		.24	
90 PERCENT EXCEEDS	.14		.05		.08	

e Estimated

09378630 RECAPTURE CREEK NEAR BLANDING, UT

LOCATION.--Lat 37°45'20", long 109°28'33", in $NW^1/_4NE^1/_4NW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
May 22	0730	*.20	*.65				

No flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.05	.04	e.02	e.02	e.02	.06	.03	.03	.00	.00	.00
2	.04	.05	.04	e.02	e.02	e.02	.04	.03	.03	.00	.00	.00
3	.04	.05	.04	e.02	e.01	e.02	.03	.03	.05	.00	.00	.00
4	.04	.05	.04	e.02	e.01	e.03	.03	.03	.05	.00	.00	.00
5	.04	.05	.04	e.02	e.02	e.03	.04	.03	.03	.00	.00	.00
6	.04	.05	.04	e.02	e.02	.02	.05	.03	.02	.00	.00	.00
7	.04	.05	.04	e.02	e.02	.03	.07	.03	.03	.00	.00	.00
8	.04	.05	.04	e.02	e.02	.03	.06	.03	.02	.00	.00	.00
9	.05	.05	.04	e.02	e.02	.03	.03	.03	.02	.00	.00	.00
10	.05	.06	.04	e.03	e.02	.03	.04	.03	.01	.00	.00	.00
11	.05	.05	.04	e.02	e.02	.03	.05	.04	.00	.00	.00	.00
12	.05	.05	.04	e.02	e.02	.03	.04	.04	.00	.00	.00	.00
13	.05	.05	.04	e.02	e.02	.03	.04	.06	.00	.00	.00	.00
14	.06	.05	.04	e.02	e.02	.04	.03	.05	.00	.00	.00	.00
15	.06	.05	e.04	e.02	e.02	.04	.04	.07	.00	.00	.00	.00
16	.06	.05	.05	e.02	.02	.05	.04	.10	.00	.00	.00	.00
17	.05	.05	.04	e.02	.02	.05	.05	.10	.00	.00	.00	.00
18	.05	.05	e.03	e.02	.02	.05	.06	.02	.00	.00	.00	.00
19	.05	.05	e.02	e.02	.02	.05	.08	.02	.00	.00	.00	.00
20	.05	.04	e.02	e.02	.02	.07	.08	.03	.00	.00	.00	.00
21	.05	.04	e.01	e.02	.02	.03	.08	.05	.00	.00	.00	.00
22	.05	.04	e.02	e.02	.02	.03	.06	.04	.00	.00	.00	.00
23	.05	.04	e.01	e.02	.03	.03	.04	.04	.00	.00	.00	.00
24	.05	.04	e.01	e.02	.03	.03	.04	.09	.00	.00	.00	.00
25	.05	.04	e.01	e.02	.03	.03	.04	.15	.00	.00	.00	.00
26	.05	.04	e.01	e.01	.02	.03	.05	.17	.00	.00	.00	.00
27	.05	.04	e.01	e.01	.01	.03	.04	.04	.00	.00	.00	.00
28	.05	e.03	e.01	e.02	e.01	.03	.06	.05	.00	.00	.00	.00
29	.05	.04	e.02	e.02	e.02	.03	.03	.08	.00	.00	.00	.00
30	.05	.04	e.02	e.02	---	.03	.03	.13	.00	.00	.00	.00
31	.05	---	e.02	e.02	---	.05	---	.15	---	.00	.00	---
TOTAL	1.51	1.39	0.91	0.61	0.57	1.05	1.43	1.82	0.29	0.00	0.00	0.00
MEAN	.049	.046	.029	.020	.020	.034	.048	.059	.010	.000	.000	.000
MAX	.06	.06	.05	.03	.03	.07	.08	.17	.05	.00	.00	.00
MIN	.04	.03	.01	.01	.01	.02	.03	.02	.00	.00	.00	.00
AC-FT	3.0	2.8	1.8	1.2	1.1	2.1	2.8	3.6	.6	.00	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1996, BY WATER YEAR (WY)

MEAN	.19	.14	.056	.038	.13	1.68	5.06	6.78	2.43	.17	.058	.019
MAX	4.77	2.32	.67	.64	.68	11.2	15.9	25.1	13.6	1.00	.73	.085
(WY)	1973	1988	1973	1973	1980	1993	1993	1983	1983	1995	1968	1988
MIN	.000	.000	.000	.000	.000	.000	.000	.002	.000	.000	.000	.000
(WY)	1979	1977	1977	1968	1977	1977	1977	1977	1977	1996	1972	1966

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1966 - 1996	
ANNUAL TOTAL	843.85		9.58			
ANNUAL MEAN	2.31		.026		1.40	
HIGHEST ANNUAL MEAN					4.6	1983
LOWEST ANNUAL MEAN					.008	1977
HIGHEST DAILY MEAN	14	Mar 21	.17	May 26	57	Oct 20 1972
LOWEST DAILY MEAN	.00	Jan 1	.00	Jun 11	.00	Dec 20 1965
ANNUAL SEVEN-DAY MINIMUM	.01	Jan 1	.00	Jun 11	.00	Dec 20 1965
ANNUAL RUNOFF (AC-FT)	1670		19		1010	
10 PERCENT EXCEEDS	7.6		.05		4.2	
50 PERCENT EXCEEDS	.06		.02		.03	
90 PERCENT EXCEEDS	.01		.00		.00	

e Estimated

09379500 SAN JUAN RIVER NEAR BLUFF, UT

LOCATION.--Lat 37°08'49", long 109°51'51", in $SE^1/_4NE^1/_4SW^1/_4$ 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 mi^2, 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 sea level, 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. 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, 1927-96) maximum discharge, 70,000 ft^3/s Sept. 10, 1927, gage height, 32.0 ft from rating curve extended above 31,000 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 18	1930	*3,630	*6.45				

Minimum daily discharge, 235 ft^3/s Aug. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1240	1160	1160	844	832	739	658	1060	2040	1700	285	672
2	1350	1150	1160	853	852	732	628	843	2530	1700	273	595
3	1370	1150	1140	852	875	760	637	796	2700	1550	257	542
4	1250	1140	1120	819	844	783	599	834	2860	1210	261	484
5	1230	1130	1120	829	790	791	569	979	3000	1020	261	488
6	1180	1130	1110	823	759	815	573	1210	3090	894	256	443
7	1240	1130	1090	885	761	785	595	1480	3120	810	262	367
8	1200	1190	1140	889	777	789	599	1780	3150	807	261	495
9	1150	1160	1120	872	769	785	578	1980	3250	721	e250	565
10	1120	1170	1110	858	790	752	595	1940	3230	692	296	519
11	1030	1170	1100	856	801	750	557	2110	3120	666	317	458
12	1050	1190	1090	827	823	743	568	1900	2990	669	414	432
13	1030	1210	1090	725	821	748	793	2030	3050	700	436	574
14	999	1180	1070	662	819	737	780	2680	2950	661	369	1310
15	953	1190	1080	659	819	742	752	2850	2870	665	318	1240
16	988	1170	1110	663	813	767	749	2800	3280	684	e260	2190
17	1050	1160	1100	679	808	774	689	2950	3220	681	e246	1690
18	1040	1160	1060	638	811	757	563	3220	2950	1190	e240	1190
19	1000	1160	1050	654	807	761	491	3220	2890	1040	e235	1100
20	991	1220	1060	671	803	756	489	3130	2810	1040	e240	1470
21	993	1250	1070	631	821	737	466	3040	2790	861	e243	1420
22	983	1250	1090	583	777	715	457	2880	2830	796	e243	1110
23	1000	1220	1060	577	780	716	449	2530	3040	652	263	914
24	1070	1200	1040	572	800	714	388	2370	3260	594	274	870
25	1160	1210	1020	574	794	694	386	2220	3050	545	860	831
26	1180	1190	1010	589	772	694	387	1820	2580	493	1170	791
27	1170	1170	994	611	730	692	364	1510	2170	374	1430	747
28	1220	1170	1000	697	725	687	536	1250	2710	342	1230	749
29	1180	1210	902	815	734	666	911	1130	2520	323	1440	788
30	1180	1190	857	828	---	646	1120	1030	2020	313	1070	741
31	1170	---	837	836	---	635	---	1500	---	304	778	---
TOTAL	34767	35380	32960	22871	23107	22862	17926	61072	86070	24697	14738	25785
MEAN	1122	1179	1063	738	797	737	598	1970	2869	797	475	859
MAX	1370	1250	1160	889	875	815	1120	3220	3280	1700	1440	2190
MIN	953	1130	837	572	725	635	364	796	2020	304	235	367
AC-FT	68960	70180	65380	45360	45830	45350	35560	121100	170700	48990	29230	51140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 -17, 1927-96, BY WATER YEAR (WY)

MEAN	1555	1240	1110	1128	1452	1905	3534	5340	5708	2583	1756	1617
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915-17, 1927-96	
ANNUAL TOTAL	1016155		402235			
ANNUAL MEAN	2784		1099		2304	
HIGHEST ANNUAL MEAN					5859	1941
LOWEST ANNUAL MEAN					844	1977
HIGHEST DAILY MEAN	11600	Jun 19	3280	Jun 16	52000	Jun 30 1927
LOWEST DAILY MEAN	837	Dec 31	235	Aug 19	.00	Jul 3 1934
ANNUAL SEVEN-DAY MINIMUM	888	Jan 20	244	Aug 16	.00	Jul 3 1934
ANNUAL RUNOFF (AC-FT)	2016000		797800		1669000	
10 PERCENT EXCEEDS	6680		2520		5960	
50 PERCENT EXCEEDS	1380		856		1320	
90 PERCENT EXCEEDS	996		447		496	

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, 1,410 microsiemens Jan. 7; minimum recorded, 310 microsiemens June 8.
WATER TEMPERATURES: Maximum recorded, 30.5°C July 30 - Aug. 1; minimum recorded, 1.1°C Jan. 7.

WATER-QUALITY DATA,WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
NOV 30...	1300	1160	720	8.2	9.0	4.0	9.5	9.6	660	--	260
MAY 29...	1200	1120	570	8.3	27.0	20.0	34	7.2	656	--	220
JUN 24...	1250	3290	380	8.3	27.5	19.5	98	7.2	658	--	130
AUG 28...	1255	1280	1000	8.0	28.0	23.5	11000	6.9	659	1.4	280

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
NOV 30...	73	19	45	27	1	2.4	0	163	134	--	220
MAY 29...	63	14	34	25	1	2.4	0	125	103	110	170
JUN 24...	39	8.4	19	24	0.7	1.9	0	106	87	91	86
AUG 28...	95	11	89	40	2	6.3	0	144	118	120	330

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV 30...	14	0.30	6.9	472	462	0.64	1480	0.150	<0.010	0.150
MAY 29...	11	0.30	7.8	386	365	0.52	1170	--	--	--
JUN 24...	6.2	0.30	9.5	234	223	0.32	2080	0.090	<0.010	0.090
AUG 28...	12	0.40	11	661	632	0.90	2280	1.10	<0.010	1.10

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
NOV 30...	0.150	<0.015	0.30	0.30	<0.20	0.45	0.010	0.020	<0.010	--
MAY 29...	--	--	--	--	--	--	--	--	--	--
JUN 24...	0.090	<0.015	0.40	0.40	<0.20	0.49	0.150	<0.010	0.008	0.02
AUG 28...	1.10	<0.015	11	11	0.30	12	1.60	<0.010	0.020	0.06

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)
NOV 30...	1300	10	--	--	63	--	--	--	--	<3.0	--
MAY 29...	1200	8.0	<1.0	<1	102	<1.0	40	<1.0	<1.0	<1.0	2.0
JUN 24...	1250	7.0	<1.0	<1	65	<1.0	26	<1.0	<1.0	<1.0	1.0
AUG 28...	1255	5.0	<1.0	1	188	<1.0	77	<1.0	<1.0	<1.0	4.0

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV 30...	16	--	32	2.0	<10	<1.0	<1	<1.0	940	<6	--
MAY 29...	<3.0	<1.0	22	<1.0	2.0	3.0	<1	<1.0	740	<6	3.0
JUN 24...	<3.0	<1.0	18	1.0	1.0	<1.0	<1	<1.0	460	<6	<1.0
AUG 28...	<3.0	<1.0	24	<1.0	4.0	3.0	1	<1.0	1400	10	2.0

DATE	TIME	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)
JUN 24...	1250	2.3	0.80
AUG 28...	1255	5.6	>5.0

DATE	TIME	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
MAY 29...	1200	2.0
JUN 24...	1250	<1.0
AUG 28...	1255	4.0

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	810	750	784	780	750	767	770	720	750	850	810	835
2	870	770	813	790	760	775	770	730	755	980	840	868
3	790	710	754	800	780	793	770	740	753	850	830	843
4	780	730	752	820	790	801	770	750	762	850	820	841
5	780	720	739	830	780	799	770	740	759	850	830	842
6	760	720	733	810	770	796	770	740	758	880	840	855
7	740	690	719	800	780	793	770	750	759	1410	730	861
8	740	690	717	820	780	805	860	740	761	830	774	812
9	730	700	720	810	770	792	770	730	753	830	800	812
10	750	670	719	800	770	789	760	730	750	820	800	806
11	760	690	729	820	780	797	760	730	747	980	800	816
12	770	710	739	820	780	801	760	730	744	840	800	818
13	750	710	736	820	780	801	750	710	737	850	820	831
14	770	740	755	970	780	814	750	720	738	880	820	851
15	780	710	760	810	770	795	760	730	750	950	870	896
16	800	740	772	800	780	794	780	740	761	1000	950	974
17	790	700	761	870	770	791	800	750	762	1010	970	994
18	770	700	750	802	770	793	780	750	764	1020	960	992
19	830	730	759	810	770	787	770	740	761	1050	1020	1040
20	780	740	767	810	770	787	780	750	766	1050	970	1020
21	790	740	769	790	760	783	770	750	759	1030	1000	1020
22	801	760	780	800	760	784	770	700	743	1050	1030	1040
23	830	770	807	800	760	780	740	690	720	1040	990	1010
24	890	790	807	800	750	783	770	700	726	1030	1000	1020
25	810	750	781	800	760	782	740	710	720	1030	990	1010
26	790	740	771	780	760	774	730	700	717	1110	990	1040
27	800	750	771	860	770	783	890	690	726	1120	1050	1090
28	800	760	782	790	760	781	763	700	735	1080	1010	1050
29	790	740	771	800	770	788	740	710	728	1030	980	1000
30	910	740	774	780	730	764	774	720	748	980	880	924
31	790	750	768	---	---	---	860	774	812	880	850	866
MONTH	910	670	760	970	730	789	890	690	749	1410	730	925

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	910	850	879	860	830	844	950	780	809	720	650	686
2	890	850	869	860	830	847	847	800	828	740	440	675
3	880	850	868	850	800	833	860	820	838	830	700	726
4	930	870	894	840	790	820	850	810	834	798	690	736
5	960	870	904	830	780	808	870	820	832	770	680	727
6	960	900	928	810	780	797	1380	810	859	700	580	631
7	910	880	898	820	780	797	853	810	837	600	490	556
8	930	870	896	830	795	812	850	790	826	550	490	520
9	990	910	943	830	780	813	850	760	818	520	470	494
10	952	910	926	830	800	814	860	810	840	500	450	476
11	930	900	917	830	780	806	850	800	823	510	430	475
12	940	900	914	820	780	803	970	780	827	500	410	462
13	920	890	904	800	770	793	1230	780	820	493	430	471
14	920	880	898	1310	770	836	783	740	763	510	420	467
15	900	860	884	850	810	823	750	710	725	489	390	441
16	910	860	883	850	800	829	730	700	718	---	---	---
17	900	860	880	1040	800	834	780	730	748	---	---	---
18	910	860	880	830	790	811	780	740	761	---	---	---
19	890	850	871	810	780	792	830	760	790	---	---	---
20	880	850	862	800	760	778	860	800	819	---	---	---
21	870	840	861	770	730	757	880	820	846	---	---	---
22	870	840	858	780	740	761	880	850	868	---	---	---
23	920	860	888	790	760	775	920	840	869	---	---	---
24	910	870	902	790	760	780	950	830	890	---	---	---
25	910	860	884	790	760	778	930	880	899	---	---	---
26	880	860	868	800	780	787	930	890	905	---	---	---
27	870	850	858	820	780	796	940	900	915	---	---	---
28	870	830	855	810	790	801	970	910	936	---	---	---
29	1280	840	870	810	770	793	940	830	884	---	---	---
30	---	---	---	810	770	792	830	710	763	690	640	660
31	---	---	---	830	760	791	---	---	---	670	550	621
MONTH	1280	830	888	1310	730	803	1380	700	830	---	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	580	540	559	771	600	686	---	---	---	1010	860	938
2	570	530	558	700	550	625	---	---	---	990	820	888
3	540	420	493	669	500	585	---	---	---	920	830	864
4	500	420	459	---	---	---	---	---	---	920	850	882
5	480	410	449	---	---	---	---	---	---	1030	860	923
6	470	390	436	---	---	---	---	---	---	1070	879	934
7	670	390	436	---	---	---	---	---	---	960	880	904
8	460	310	409	---	---	---	---	---	---	1040	880	932
9	460	390	425	---	---	---	---	---	---	1400	890	966
10	460	390	423	---	---	---	---	---	---	982	830	894
11	470	390	430	---	---	---	---	---	---	1010	910	954
12	880	400	483	---	---	---	---	---	---	964	894	939
13	470	410	446	---	---	---	---	---	---	1050	850	908
14	760	410	463	---	---	---	---	---	---	1060	700	835
15	---	---	---	---	---	---	---	---	---	1230	762	925
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	450	350	397	---	---	---	---	---	---	---	---	---
26	460	400	419	---	---	---	---	---	---	---	---	---
27	520	390	446	---	---	---	---	---	---	---	---	---
28	1300	440	542	---	---	---	---	---	---	---	---	---
29	1300	670	935	---	---	---	1140	830	999	---	---	---
30	1010	729	845	---	---	---	1180	880	976	---	---	---
31	---	---	---	---	---	---	907	780	832	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	16.1	17.0	---	---	---	5.8	---	---	2.9	---	---
2	17.6	---	---	11.7	---	---	5.6	---	---	3.1	---	---
3	16.9	---	---	11.0	---	---	5.9	---	---	2.1	---	---
4	16.9	---	---	10.3	---	---	5.8	---	---	2.0	---	---
5	14.2	11.1	13.5	9.1	---	---	6.6	---	---	1.3	---	---
6	14.1	11.9	13.3	9.6	---	---	6.6	---	---	1.4	---	---
7	14.4	12.0	13.3	9.4	---	---	4.8	---	---	1.1	---	---
8	14.4	---	---	9.4	---	---	5.4	---	---	1.4	---	---
9	14.3	---	---	9.9	---	---	5.3	---	---	1.8	---	---
10	14.7	---	---	10.2	---	---	5.2	---	---	2.6	---	---
11	16.3	---	---	9.1	---	---	5.0	---	---	3.5	---	---
12	16.3	---	---	8.2	---	---	5.8	---	---	3.5	---	---
13	15.7	---	---	8.1	---	---	7.0	---	---	3.3	---	---
14	15.1	---	---	9.1	---	---	7.9	---	---	3.5	---	---
15	14.3	---	---	9.5	---	---	7.8	---	---	3.2	---	---
16	14.5	---	---	9.5	---	---	5.6	---	---	3.2	---	---
17	14.3	---	---	9.5	---	---	5.6	---	---	5.7	---	---
18	15.2	---	---	8.8	---	---	5.4	---	---	3.7	---	---
19	14.9	---	---	8.5	---	---	4.9	---	---	3.5	---	---
20	14.5	---	---	8.4	---	---	4.3	---	---	2.7	---	---
21	13.8	---	---	8.0	---	---	4.2	---	---	2.9	---	---
22	12.9	---	---	6.8	---	---	4.3	---	---	3.2	---	---
23	11.4	---	---	7.4	---	---	3.9	---	---	3.1	---	---
24	10.6	8.3	9.9	7.3	---	---	2.5	---	---	2.4	---	---
25	10.7	---	---	7.3	---	---	1.6	---	---	1.4	---	---
26	10.9	---	---	7.6	---	---	1.6	---	---	2.6	---	---
27	11.1	---	---	7.1	---	---	1.5	---	---	1.4	---	---
28	11.0	---	---	5.9	---	---	1.5	---	---	1.3	---	---
29	11.9	---	---	5.3	---	---	1.5	---	---	1.6	---	---
30	12.0	---	---	5.3	---	---	1.5	---	---	2.4	1.2	2.1
31	12.7	---	---	---	---	---	2.3	---	---	3.4	2.3	2.9
MONTH	18.0	---	---	---	---	---	7.9	---	---	5.7	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.9	---	---	7.2	---	---	15.4	---	---	18.2	---	---
2	5.4	---	---	8.8	---	---	14.7	---	---	19.8	---	---
3	4.1	---	---	7.3	---	---	11.0	---	---	18.9	---	---
4	3.7	---	---	8.8	---	---	14.9	---	---	20.3	---	---
5	4.2	---	---	9.6	---	---	14.6	---	---	20.4	---	---
6	6.0	---	---	9.3	---	---	16.8	---	---	18.8	---	---
7	6.8	---	---	9.5	---	---	16.6	---	---	20.9	---	---
8	7.5	---	---	9.8	---	---	19.5	---	---	19.1	---	---
9	8.0	---	---	12.0	---	---	18.4	---	---	19.7	---	---
10	7.9	---	---	12.1	---	---	14.8	---	---	19.7	---	---
11	8.9	---	---	12.4	---	---	14.4	---	---	20.1	---	---
12	9.5	---	---	13.3	---	---	15.8	---	---	19.9	---	---
13	9.2	---	---	13.4	---	---	13.8	---	---	21.0	---	---
14	9.3	---	---	11.0	---	---	13.5	---	---	20.3	---	---
15	9.6	---	---	11.3	---	---	15.5	---	---	19.2	---	---
16	10.0	---	---	11.8	---	---	16.2	---	---	19.6	---	---
17	10.4	---	---	13.6	---	---	14.8	---	---	20.4	---	---
18	10.6	---	---	13.3	---	---	16.2	---	---	20.2	---	---
19	10.4	---	---	12.7	---	---	10.9	---	---	20.1	---	---
20	11.1	7.4	9.5	12.5	---	---	13.2	---	---	21.2	18.6	19.8
21	11.2	---	---	12.9	---	---	16.7	---	---	21.1	---	---
22	12.1	---	---	13.6	---	---	15.2	---	---	21.1	---	---
23	10.5	---	---	12.6	---	---	17.9	---	---	19.8	---	---
24	8.8	---	---	11.1	---	---	18.7	---	---	18.9	---	---
25	8.8	---	---	12.0	---	---	21.3	---	---	16.2	---	---
26	6.9	---	---	14.1	---	---	17.8	---	---	18.6	---	---
27	4.4	---	---	11.8	---	---	21.1	---	---	19.0	---	---
28	6.0	---	---	14.6	---	---	18.5	---	---	20.2	---	---
29	7.2	---	---	13.2	---	---	16.0	---	---	20.8	---	---
30	---	---	---	13.9	8.6	11.8	16.4	---	---	20.7	---	---
31	---	---	---	---	---	---	---	---	---	21.4	---	---
MONTH	12.1	---	---	---	---	---	21.3	---	---	21.4	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.3	---	---	26.0	20.0	24.3	30.5	26.3	28.0	24.0	16.0	22.7
2	21.2	---	---	26.5	22.9	24.8	29.1	26.4	27.6	25.2	---	---
3	21.3	---	---	27.9	23.5	26.0	28.6	25.2	26.9	26.0	---	---
4	22.0	---	---	28.3	25.1	27.1	27.0	23.3	24.8	25.7	---	---
5	22.2	---	---	28.5	26.9	27.8	27.6	22.1	24.6	25.0	---	---
6	22.2	---	---	29.2	26.7	28.0	28.4	22.3	25.0	25.8	20.1	22.7
7	20.8	---	---	29.2	27.4	28.3	29.3	22.4	25.7	25.2	22.9	23.8
8	22.4	---	---	28.4	26.3	27.3	29.6	23.5	26.2	25.1	---	---
9	22.6	---	---	28.3	26.5	27.2	30.1	24.0	26.7	25.1	22.3	23.9
10	23.3	---	---	29.6	26.5	28.0	29.6	24.3	26.8	25.1	23.1	24.0
11	23.3	---	---	29.9	27.3	28.8	29.6	24.4	26.4	23.9	---	---
12	22.5	17.5	21.5	29.5	27.0	28.4	29.0	25.5	26.6	24.5	22.8	23.3
13	22.5	20.2	21.6	28.5	26.8	27.5	28.5	23.8	25.8	23.7	21.8	22.6
14	22.7	20.8	21.8	28.9	26.0	27.7	29.4	22.2	26.0	22.2	19.4	20.6
15	23.1	---	---	28.8	26.4	27.8	28.5	22.1	26.7	21.6	19.2	20.3
16	22.9	---	---	28.9	26.7	28.0	28.7	24.8	26.4	21.5	---	---
17	22.1	---	---	29.5	27.1	28.1	28.7	24.4	26.3	18.9	---	---
18	21.7	---	---	28.7	27.2	28.0	27.2	23.8	25.6	18.7	15.2	17.3
19	22.7	---	---	28.6	25.9	27.5	27.7	---	---	17.2	---	---
20	21.9	---	---	28.0	25.6	27.1	28.6	23.4	25.7	17.2	---	---
21	21.8	20.9	21.5	27.4	24.6	26.1	29.6	23.9	26.3	17.4	---	---
22	22.1	19.9	20.9	27.0	24.4	25.9	29.4	23.9	26.5	18.6	---	---
23	22.1	---	---	27.1	24.4	26.1	29.3	24.1	26.4	18.8	---	---
24	21.7	---	---	27.2	25.0	26.2	28.7	25.1	26.6	20.6	---	---
25	22.0	---	---	27.6	25.2	26.1	27.0	25.6	26.2	19.6	---	---
26	22.1	19.1	19.9	27.8	25.2	26.3	26.4	24.8	25.5	18.4	---	---
27	22.9	16.1	19.5	28.2	25.0	26.4	26.4	24.1	25.3	17.4	---	---
28	22.7	---	---	27.3	25.9	26.5	26.8	24.6	25.6	16.8	---	---
29	23.6	---	---	29.7	25.3	27.1	26.7	24.4	25.7	17.3	---	---
30	25.3	---	---	30.5	26.2	28.2	26.3	23.0	24.4	16.8	---	---
31	---	---	---	30.5	26.2	28.1	24.4	20.2	23.3	---	---	---
MONTH	25.3	---	---	30.5	20.0	27.1	30.5	---	---	26.0	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV				
30...	1300	--	358	1120
30...	1301	--	6240	--
30...	1302	--	106	--
30...	1303	--	185	--
30...	1304	--	44	--
MAY				
29...	1300	--	216	--
29...	1330	81	126	--
JUN				
21...	1345	31	1160	--
21...	1415	--	1120	--
AUG				
28...	1340	90	23000	--
28...	1410	--	21400	--

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ 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 mi^2.

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above sea level, 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft$^3/_s$, Sept. 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft$^3/_s$ on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 3.0 ft$^3/_s$, June 15, 1986, July 20, 1994, and Sept. 1-3, 1995.

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

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Feb. 21	2030	*104	*3.81				

Minimum daily discharge, 4.5 ft$^3/_s$ Aug. 31, Sept. 1, 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	e7.5	7.4	7.4	10	8.4	9.4	7.7	6.7	5.8	5.0	4.5
2	6.1	e9.5	7.5	8.2	10	8.2	8.8	7.5	5.8	5.2	5.3	4.5
3	5.8	e9.2	6.8	8.3	9.7	8.5	9.3	7.2	5.7	5.5	5.1	4.7
4	5.3	e9.0	7.5	8.2	9.1	7.9	9.5	7.3	6.0	5.4	5.0	4.8
5	5.4	e9.0	7.7	8.3	9.5	7.6	8.6	7.2	5.7	5.5	5.3	5.2
6	5.7	e8.5	7.2	8.6	10	15	8.9	7.1	5.5	5.4	5.5	5.9
7	5.0	e8.0	6.0	8.3	11	11	8.6	7.3	5.5	5.3	5.4	5.8
8	4.7	e8.5	6.2	8.8	11	9.6	8.3	7.1	5.3	5.6	5.4	5.8
9	5.3	8.4	7.2	7.3	11	12	8.2	7.2	5.4	5.4	5.6	5.7
10	5.1	9.0	6.4	7.3	11	12	8.9	7.1	5.4	5.9	5.6	5.9
11	e5.3	8.1	7.1	7.9	12	11	8.6	7.1	5.5	5.7	5.4	5.9
12	5.1	8.4	6.1	7.4	11	11	8.6	7.0	5.1	5.7	5.6	6.0
13	5.4	8.5	6.8	7.8	11	12	8.9	6.8	5.6	5.4	5.4	6.0
14	4.9	7.9	6.9	7.4	11	11	8.8	6.6	5.5	5.6	5.6	5.9
15	4.9	8.0	7.4	7.7	11	11	8.6	6.9	5.1	5.7	5.8	5.9
16	5.4	8.1	6.8	7.8	12	13	8.7	6.9	5.0	6.2	5.7	6.2
17	5.5	8.4	6.5	9.3	12	12	8.6	7.5	5.3	6.4	5.4	6.4
18	5.4	8.1	7.5	8.2	12	12	8.7	7.0	5.3	6.1	5.4	6.3
19	5.6	7.3	6.4	8.0	12	12	8.8	6.7	5.4	6.0	5.4	6.4
20	5.5	8.5	7.4	e8.0	17	11	9.0	6.9	e5.6	5.6	5.4	6.4
21	5.5	8.5	8.2	8.4	49	11	8.9	6.8	e5.8	5.5	5.3	6.3
22	e5.4	8.0	8.0	8.9	26	11	8.3	7.3	e5.7	5.5	5.3	6.3
23	5.4	8.2	e7.8	11	10	10	8.2	6.9	e5.5	5.2	5.2	6.4
24	5.8	8.3	e8.2	11	7.4	11	7.9	6.9	e5.5	5.6	5.3	6.5
25	5.6	8.4	e8.0	11	8.2	11	7.9	7.0	e5.5	5.3	5.4	6.6
26	5.6	8.4	e7.9	e10	6.8	12	8.0	7.4	e5.2	5.4	5.1	6.7
27	5.3	9.1	e7.8	e10	6.4	12	8.2	7.0	5.6	5.0	5.1	6.7
28	5.5	8.8	8.1	9.7	6.8	10	7.9	7.1	5.6	5.0	4.9	6.5
29	5.7	8.3	8.6	9.7	7.4	11	7.9	6.4	5.3	5.5	4.6	6.3
30	5.2	7.9	8.1	9.6	---	10	7.7	7.3	5.3	5.5	4.6	6.3
31	6.8	---	7.8	9.6	---	9.7	---	7.0	---	5.4	4.5	---
TOTAL	169.3	251.8	227.3	269.1	351.3	334.9	256.7	219.2	165.4	172.3	163.6	178.8
MEAN	5.46	8.39	7.33	8.68	12.1	10.8	8.56	7.07	5.51	5.56	5.28	5.96
MAX	6.8	9.5	8.6	11	49	15	9.5	7.7	6.7	6.4	5.8	6.7
MIN	4.7	7.3	6.0	7.3	6.4	7.6	7.7	6.4	5.0	5.0	4.5	4.5
AC-FT	336	499	451	534	697	664	509	435	328	342	325	355

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1996, BY WATER YEAR (WY)

MEAN	11.1	10.6	11.6	12.5	17.9	25.7	25.4	10.7	7.30	7.24	8.61	9.12
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	5.46	6.58	5.31	6.18	9.04	9.68	6.81	6.80	4.37	4.19	4.07	5.43
(WY)	1996	1990	1990	1987	1992	1988	1990	1991	1986	1982	1995	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1980 - 1996	
ANNUAL TOTAL	5275.7		2759.7			
ANNUAL MEAN	14.5		7.54		13.1	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					7.54	1996
HIGHEST DAILY MEAN	146	Mar 6	49	Feb 21	354	Apr 6 1980
LOWEST DAILY MEAN	3.0	Sep 1	4.5	Aug 31	3.0	Jun 15 1986
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 28	4.6	Aug 29	3.0	Jun 13 1986
ANNUAL RUNOFF (AC-FT)	10460		5470		9500	
10 PERCENT EXCEEDS	39		11		20	
50 PERCENT EXCEEDS	8.3		7.1		9.6	
90 PERCENT EXCEEDS	4.8		5.3		5.6	

e Estimated

09403690 JOHNSON WASH ABOVE FLOOD CANYON, NEAR KANAB, UT

LOCATION.--Lat 37°07'38", long 112°23'24", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 26, T. 42 S., R. 5 W., Kane County, Hydrologic Unit 15010003, on right bank 5.7 mi upstream from Flood Canyon, and 6.2 mi north of U.S. Highway 89 and about 10 mi northeast of Kanab.

DRAINAGE AREA.--237 mi^2.

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,380 ft above sea level, from topographic map. A crest-stage gage was in operation at site 7.0 mi downstream from 1959 to 1974 at different datum. Published as Johnson Wash near Kanab, UT (09403700).

REMARKS.--Records poor. Diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 193 $ft^3/_s$ Mar. 6, 1995, gage height 10.49 ft, from rating curve extended above 0.58 $ft^3/_s$ on basis of flow through culvert measurement at gage height 11.86 ft;; minimum daily, 0.09 $ft^3/_s$ July 20, 21, 1996.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 2, 1994, reached a stage of 11.86 ft, present datum, from floodmarks and flow through culvert measurement, discharge 541 $ft^3/_s$.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Aug. 26	1950	[a] *16	*8.26	No other peak greater than base discharge.			

[a] From rating curve extended above 0.58 $ft^3/_s$ on basis of flow through culvert measurement at gage height 11.86 ft.

Minimum daily discharge, 0.09 $ft^3/_s$ July 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	.28	.23	.20	.25	.35	.31	.28	.20	.15	.13	.17
2	.18	.24	.24	.20	.25	.35	.32	.28	.19	.14	.13	.18
3	.18	.25	.24	.23	.24	.35	.32	.28	.19	.14	.13	.18
4	.18	.26	.25	.22	.24	.35	.32	.27	.19	.14	.13	.18
5	.19	.26	.25	.21	.24	.36	.32	.27	.19	.37	.13	.18
6	.19	.26	.26	.20	.24	.35	.32	.28	.19	1.1	.14	.19
7	.19	.27	.26	.20	.24	.35	.33	.26	.18	1.1	.15	.20
8	.20	.27	.26	.19	.25	.34	.32	.24	.18	.52	.15	.21
9	.20	.27	.26	.21	.25	.34	.31	.23	.18	.10	.15	.22
10	.19	.27	.26	.20	.25	.34	.31	.23	.18	.10	.15	.23
11	.17	.26	.26	.20	.26	.34	.32	.22	.17	.11	.15	.24
12	.17	.26	.26	.20	.26	.33	.34	.23	.18	.11	.15	.25
13	.18	.26	.25	.20	.26	.35	.33	.22	.17	.11	.15	.25
14	.18	.26	.27	.20	.27	.34	.33	.22	.17	.11	.15	.51
15	.18	.26	.25	.20	.27	.33	.33	.22	.17	.11	.15	.48
16	.18	.27	.24	.20	.28	.33	.33	.21	.17	.12	.15	.28
17	.18	.27	.24	.22	.27	.33	.32	.21	.17	.48	.15	.29
18	.18	.27	.24	.20	.26	.33	.32	.21	.17	.93	.15	.30
19	.18	.27	.24	.20	.26	.33	.32	.22	.17	.54	.15	.31
20	.19	.27	.24	e.20	.46	.33	.31	.22	.18	.09	.16	.31
21	.19	.27	.22	e.22	1.5	.33	.31	.22	.17	.09	.16	.31
22	.19	.27	.21	e.23	.44	.33	.31	.21	.17	.10	.16	.31
23	.20	.27	.20	e.23	.36	.33	.30	.21	.16	.11	.15	.32
24	.20	.28	.19	e.23	.35	.34	.30	.22	.16	.12	.16	.33
25	.21	.28	e.19	e.23	.35	.33	.29	.23	.17	.12	1.3	.34
26	.21	.28	.19	e.23	.36	.33	.30	.23	.16	.12	1.7	.36
27	.22	.28	.19	e.23	.35	.32	.29	.22	.17	.12	.38	.38
28	.22	.28	.19	.23	.36	.33	.29	.22	.16	.13	.16	.39
29	.22	.28	.20	.23	.35	.32	.29	.21	.15	.14	.16	.40
30	.23	.27	.20	.23	---	.32	.28	.20	.15	.13	.17	.41
31	.24	---	.20	.25	---	.31	---	.20	---	.14	.17	---
TOTAL	6.00	8.04	7.18	6.62	9.72	10.41	9.39	7.17	5.21	7.89	7.57	8.71
MEAN	.19	.27	.23	.21	.34	.34	.31	.23	.17	.25	.24	.29
MAX	.24	.28	.27	.25	1.5	.36	.34	.28	.20	1.1	1.7	.51
MIN	.17	.24	.19	.19	.24	.31	.28	.20	.15	.09	.13	.17
AC-FT	12	16	14	13	19	21	19	14	10	16	15	17

CAL YR 1995	TOTAL 133.12	MEAN .36	MAX 12	MIN .15	AC-FT 264
WTR YR 1996	TOTAL 93.91	MEAN .26	MAX 1.7	MIN .09	AC-FT 186

e Estimated

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'19", long 112°36'13", in $SE^1/_4NE^1/_4NW^1/_4$ 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.--74.2 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and artificial control. Elevation of gage is 5,900 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. 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)
Feb.	1300	*83	*1.83				

Minimum daily discharge, 4.5 $ft^3/_s$ June 15, Aug. 6-11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	21	14	11	17	20	14	11	6.5	5.6	8.0	5.0
2	10	19	18	10	16	20	14	10	6.0	5.5	4.7	5.2
3	12	18	18	10	15	20	14	10	6.4	5.6	4.7	5.1
4	10	18	19	11	16	20	13	8.7	5.7	5.6	4.6	5.1
5	12	18	16	11	18	25	12	9.5	5.8	5.5	4.6	5.1
6	13	18	12	12	19	22	10	8.6	5.8	5.2	4.5	5.1
7	13	18	12	15	20	20	10	8.8	5.9	5.2	4.5	5.1
8	13	18	11	15	20	21	9.3	8.9	5.5	5.5	4.5	5.2
9	13	18	11	15	19	22	12	9.4	5.8	6.0	4.5	5.3
10	14	18	11	16	19	23	11	9.0	5.9	6.0	4.5	6.5
11	14	18	11	15	18	22	11	8.3	5.9	6.0	4.5	6.7
12	13	18	11	15	18	22	12	7.8	5.6	5.8	4.6	7.7
13	12	13	14	15	17	23	14	7.3	5.0	5.9	4.6	8.0
14	11	9.5	14	15	17	22	13	6.6	4.7	6.6	5.3	9.8
15	12	8.4	12	15	16	20	12	6.3	4.5	5.9	5.3	8.2
16	13	8.5	12	16	16	19	11	6.5	4.9	6.6	5.3	12
17	14	7.8	11	22	16	18	13	6.8	5.2	6.2	5.2	9.1
18	14	9.7	10	14	16	17	12	6.3	5.2	5.2	4.9	8.9
19	14	12	10	15	16	16	10	6.8	5.2	4.9	5.2	8.9
20	13	12	10	15	52	16	8.5	7.5	5.9	4.9	4.9	8.9
21	12	12	9.9	15	67	16	9.6	7.0	6.4	5.2	4.9	8.9
22	13	13	9.6	16	39	16	10	7.1	6.5	5.5	4.9	8.6
23	13	14	9.0	15	26	17	8.4	7.5	6.4	5.3	5.2	8.2
24	14	16	8.4	15	23	19	8.0	9.0	5.9	5.2	5.6	7.7
25	14	16	8.9	15	22	15	9.2	9.8	5.6	5.2	5.6	7.8
26	16	15	8.9	14	20	15	11	9.2	5.8	5.5	6.7	7.8
27	16	19	9.2	15	19	15	11	8.9	5.9	5.6	5.9	8.1
28	15	15	9.3	16	20	17	11	7.7	5.8	5.8	5.3	7.8
29	14	9.6	9.6	16	20	18	13	6.9	5.6	5.7	5.2	7.9
30	17	11	11	16	---	15	11	6.7	5.6	5.8	5.1	7.3
31	17	---	12	17	---	14	---	7.0	---	5.3	4.9	---
TOTAL	410.7	441.5	362.8	453	637	585	338.0	250.9	170.9	173.8	158.2	221.0
MEAN	13.2	14.7	11.7	14.6	22.0	18.9	11.3	8.09	5.70	5.61	5.10	7.37
MAX	17	21	19	22	67	25	14	11	6.5	6.6	8.0	12
MIN	9.7	7.8	8.4	10	15	14	8.0	6.3	4.5	4.9	4.5	5.0
AC-FT	815	876	720	899	1260	1160	670	498	339	345	314	438

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1996, BY WATER YEAR (WY)

MEAN	13.8	15.4	16.4	16.8	19.4	25.7	39.6	31.5	15.8	11.8	11.5	11.2
MAX	22.5	24.6	30.2	26.2	36.4	54.3	145	131	43.6	28.3	26.6	24.7
(WY)	1984	1984	1967	1980	1980	1993	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	5.10	5.10
(WY)	1990	1990	1990	1991	1991	1977	1989	1989	1989	1991	1996	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1967 - 1996	
ANNUAL TOTAL	7947.2		4202.8			
ANNUAL MEAN	21.8		11.5		19.1	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	85	Mar 12	67	Feb 21	285	Apr 21 1980
LOWEST DAILY MEAN	6.1	Aug 6	4.5	Jun 15	3.3	Jun 20 1989
ANNUAL SEVEN-DAY MINIMUM	7.1	Aug 4	4.5	Aug 5	3.7	Jun 19 1989
ANNUAL RUNOFF (AC-FT)	15760		8340		13810	
10 PERCENT EXCEEDS	42		19		27	
50 PERCENT EXCEEDS	16		10		15	
90 PERCENT EXCEEDS	8.7		5.2		7.8	

09404700 EAST FORK VIRGIN RIVER NEAR MOUNT CARMEL JUNCTION, UT

LOCATION.--Lat 37°12'30", long 112°41'16", in $SE^1/_4SW^1/_4SE^1/_4$ sec. 25, T. 41 S., R. 8 W., Kane County, Hydrologic Unit 15010008, on left bank, 0.9 mi downstream of State Barn Wash, and 1.0 mi south of Mount Carmel Junction.

DRAINAGE AREA.--179 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,140 above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions for irrigation above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 18, 1992 reached a stage of 5.34 ft, present datum, from floodmarks, discharge, 550 $ft^3/_s$, on basis of slope-area measurement of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 738 $ft^3/_s$ Sept. 8, 1995, gage height, 5.24 ft, from rating curve extended above 200 $ft^3/_s$ on basis of slope-area measurement; minimum daily discharge 0.40 $ft^3/_s$ Aug. 21, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 104 $ft^3/_s$ Feb. 21, gage height, 2.66 ft, from rating curve extended above 200 $ft^3/_s$ on basis of slope-area measurement; minimum daily discharge 0.40 $ft^3/_s$, Aug. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	26	24	24	22	26	15	1.9	2.2	1.4	1.4	.60
2	7.2	24	24	23	21	30	15	1.4	2.2	1.3	1.2	.64
3	7.6	22	23	22	20	31	14	1.5	1.9	1.1	1.0	.62
4	7.8	22	24	23	21	31	14	1.7	2.2	.90	.86	.65
5	8.3	21	24	21	22	37	13	1.7	2.2	.80	.76	.73
6	8.5	21	23	22	24	33	12	2.2	2.0	.78	.73	.87
7	9.3	18	25	21	25	29	11	2.9	1.9	.73	.54	.82
8	8.7	18	24	22	26	31	10	2.9	1.8	.72	.52	.80
9	9.3	19	23	23	25	31	11	3.5	1.8	1.6	.53	.95
10	11	19	23	23	25	32	12	3.1	1.8	6.4	.59	3.9
11	9.8	20	23	22	25	32	11	3.0	1.9	1.0	.59	5.9
12	9.2	20	22	22	24	30	11	2.7	1.8	.88	.53	1.1
13	9.6	19	25	22	24	33	13	2.8	1.7	.81	.49	.82
14	8.2	18	27	22	23	31	12	2.2	1.7	.89	.49	3.5
15	8.2	18	24	21	23	29	11	2.2	1.8	1.0	.50	1.5
16	10	18	24	21	21	27	10	2.0	1.6	3.4	.51	2.9
17	11	18	23	29	19	26	7.9	2.1	1.6	2.7	.48	2.5
18	13	16	23	20	18	25	5.8	2.1	1.5	1.5	.43	1.7
19	13	20	23	21	18	24	4.4	2.0	1.6	1.0	.45	1.9
20	13	22	23	20	36	21	2.2	2.1	1.6	.93	.43	1.8
21	14	22	e22	22	72	19	2.8	2.0	1.9	.90	.40	1.6
22	17	22	e21	22	47	20	4.1	1.9	1.5	.85	.62	1.8
23	21	23	e20	20	26	21	3.5	2.1	1.5	.80	.49	2.1
24	25	23	e18	19	25	19	1.9	2.9	1.4	.80	.61	1.8
25	24	24	e19	e19	25	18	1.9	2.5	1.4	.75	1.9	1.6
26	20	24	e19	e18	22	18	1.7	2.7	1.3	.66	.78	1.7
27	22	25	e20	e20	23	16	2.0	3.3	1.4	.71	.89	1.9
28	20	23	e21	e22	23	17	1.8	2.6	1.4	.87	.74	1.8
29	15	22	22	22	22	19	2.3	2.5	1.4	.86	.76	1.8
30	18	23	24	21	---	17	1.9	2.0	1.4	.62	.66	1.8
31	18	---	25	22	---	16	---	2.0	---	.63	.61	---
TOTAL	404.5	630	705	671	747	789	239.2	72.5	51.4	38.29	21.49	52.10
MEAN	13.0	21.0	22.7	21.6	25.8	25.5	7.97	2.34	1.71	1.24	.69	1.74
MAX	25	26	27	29	72	37	15	3.5	2.2	6.4	1.9	5.9
MIN	7.2	16	18	18	18	16	1.7	1.4	1.3	.62	.40	.60
AC-FT	802	1250	1400	1330	1480	1560	474	144	102	76	43	103

CAL YR 1995 TOTAL 9250.40 MEAN 25.3 MAX 124 MIN 3.4 AC-FT 18350
WTR YR 1996 TOTAL 4421.48 MEAN 12.1 MAX 72 MIN .40 AC-FT 8770

e Estimated

09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°09'51", long 112°57'28", in $SE^1/_4SW^1/_4NW^1/_4$ sec. 2, T. 42 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 0.7 mi upstream from Zion National Park boundary, 1.2 mi upstream from Shunes Creek, 2.7 mi southeast of Springdale, and 3.4 mi south-southeast of Zion National Park headquarters.

DRAINAGE AREA.--395 mi^2, approximately.

PERIOD OF RECORD.-October 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,940 ft above sea level, from topographic map.

REMARKS.--Records good except for Jan. 19-30 and estimated daily discharges, which are fair. Numerous diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,160 $ft^3/_s$ Sept. 6, 1995, gage height, 10.05 ft, from rating curve extended above 200 $ft^3/_s$ on basis of slope-area measurements at gage heights 6.41 ft and 9.70 ft; minimum daily discharge, 33 $ft^3/_s$ Sept. 7-9, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 329 $ft^3/_s$ Feb. 20, gage height, 5.83 ft, from rating curve extended as explained above; minimum daily discharge, 34 $ft^3/_s$ June 6-19, 23-25, 29, 30 and July 1, 20, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	80	58	e62	61	63	58	38	35	34	35	36
2	38	60	58	e60	63	63	58	38	35	35	36	35
3	37	58	58	e60	58	65	58	38	35	35	36	35
4	38	57	59	e65	57	65	56	38	35	35	35	35
5	38	56	59	e58	60	69	55	38	35	35	35	36
6	39	56	60	e60	61	68	53	38	34	35	35	36
7	42	56	59	e60	62	64	52	38	34	35	35	35
8	41	55	60	e60	63	64	52	38	34	35	35	36
9	41	55	59	e60	63	65	49	38	34	37	35	36
10	42	56	59	e61	62	66	50	38	34	42	35	37
11	42	56	59	58	62	66	49	37	34	36	35	45
12	42	56	60	59	61	66	50	37	34	36	35	37
13	43	56	60	58	61	81	51	37	34	36	36	36
14	41	54	e68	58	61	69	51	37	34	36	36	41
15	41	53	e60	58	60	68	48	37	34	47	36	37
16	42	52	e60	58	60	65	50	37	34	35	36	37
17	43	52	e57	68	60	63	48	37	34	37	36	39
18	44	50	e53	59	61	62	46	37	34	35	36	36
19	43	52	e53	57	61	62	43	37	34	35	37	36
20	43	58	e53	59	114	61	41	36	36	34	36	36
21	45	58	e50	58	179	60	39	36	35	34	36	36
22	46	59	e48	61	130	59	41	36	35	35	36	36
23	48	59	e46	56	74	59	41	36	34	35	36	36
24	50	60	e44	58	68	57	40	38	34	35	51	35
25	51	59	e46	60	68	58	39	41	34	35	50	36
26	50	59	e50	55	67	57	38	38	35	35	37	36
27	50	61	e53	56	61	57	38	38	35	36	37	35
28	51	59	e58	63	64	58	38	36	35	37	36	35
29	49	57	e62	59	62	59	38	36	34	36	36	36
30	48	58	e65	59	---	58	39	35	34	36	36	36
31	54	---	e68	61	---	58	---	35	---	36	36	---
TOTAL	1361	1717	1762	1844	2044	1955	1409	1154	1032	1115	1138	1094
MEAN	43.9	57.2	56.8	59.5	70.5	63.1	47.0	37.2	34.4	36.0	36.7	36.5
MAX	54	80	68	68	179	81	58	41	36	47	51	45
MIN	37	50	44	55	57	57	38	35	34	34	35	35
AC-FT	2700	3410	3490	3660	4050	3880	2790	2290	2050	2210	2260	2170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	47.6	55.8	57.7	71.1	77.8	97.9	90.7	62.2	44.8	39.4	41.4	42.8
MAX	57.1	62.8	62.3	110	110	153	200	109	57.7	43.9	46.1	52.6
(WY)	1994	1994	1994	1993	1993	1993	1993	1993	1993	1995	1993	1995
MIN	38.8	49.1	53.6	56.8	61.8	63.1	47.0	37.2	34.4	36.0	36.7	36.5
(WY)	1992	1992	1992	1992	1992	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	24130		17625			
ANNUAL MEAN	66.1		48.2		60.7	
HIGHEST ANNUAL MEAN					85.1	1993
LOWEST ANNUAL MEAN					48.2	1996
HIGHEST DAILY MEAN	323	Mar 6	179	Feb 21	323	Mar 6 1995
LOWEST DAILY MEAN	36	Sep 21	34	Jun 6	33	Sep 7 1993
ANNUAL SEVEN-DAY MINIMUM	36	Sep 20	34	Jun 6	34	Sep 4 1993
ANNUAL RUNOFF (AC-FT)	47860		34960		43950	
10 PERCENT EXCEEDS	98		62		85	
50 PERCENT EXCEEDS	59		45		54	
90 PERCENT EXCEEDS	39		35		37	

e Estimated

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°12'35", long 112°58'40", in $NW^1/_4SW^1/_4NW^1/_4$ sec. 22, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 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 mi^2.

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 and as Mukuntuweap River near Springdale 1923, 1925-32. Published as combined flow of river and Springdale canal 1923, 1925-88.

GAGE.--Water-stage recorder. Crest-stage gage since May 31, 1995. Elevation of gage is 3,970 ft above sea level, from topographic map. May 13, 1913, to June 30, 1914, nonrecording gage at site 3.8 mi downstream at different datum. June 6, 1923 to Sept.1925, nonrecording gage at site 0.8 mi upstream. Oct. 1, 1925 to Dec. 14, 1949, nonrecording gage 50 ft downstream and 0.34 ft higher than present site and datum.

REMARKS.--No estimated daily discharges. Records good except those for flows greater than 300 $ft^3/_s$, which are fair, and those for estimated daily discharges, which are poor. Some regulation of low flows by Kolob Reservoir (20 mi upstream) and several diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,150 $ft^3/_s$ Dec. 6, 1966, gage height, 12.98 ft, from rating curve extended above 2,000 $ft^3/_s$ on basis of drift measurement at gage height 6.7 ft, and slope-area measurement at gage height 10.25 ft; minimum estimated, less than 5.0 $ft^3/_s$ Apr. 12, 1995, result of landslide 1.0 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 $ft^3/_s$ Feb. 20, gage height, 3.94 ft; minimum daily discharge, 27 $ft^3/_s$ Sept. 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	83	70	77	68	69	80	95	47	43	44	51
2	56	66	70	65	67	72	88	96	46	39	43	32
3	56	59	70	63	62	74	86	95	44	40	43	28
4	55	60	71	64	65	74	81	88	43	39	41	27
5	55	59	72	62	66	80	79	84	43	40	39	27
6	57	60	71	63	68	75	81	82	43	38	38	32
7	61	60	73	64	68	66	87	78	42	37	38	32
8	62	73	73	63	71	73	95	72	40	38	37	31
9	59	82	71	64	71	79	106	68	41	56	38	29
10	51	82	72	66	69	82	110	66	42	75	37	31
11	49	71	72	62	69	89	97	64	41	52	36	41
12	51	73	74	64	67	88	92	62	41	47	36	38
13	52	72	75	64	67	123	87	59	41	44	37	33
14	58	72	83	64	66	82	79	57	41	45	37	33
15	60	72	72	65	66	82	75	55	41	44	37	33
16	58	72	76	65	66	80	74	52	41	50	37	40
17	58	71	72	83	66	79	74	51	39	48	37	42
18	58	70	66	e70	65	80	73	50	39	44	37	36
19	60	72	74	67	63	81	71	49	39	43	38	34
20	58	70	72	63	406	84	70	49	40	42	37	33
21	58	70	66	64	580	91	66	48	48	e41	37	34
22	59	70	64	72	170	100	64	46	46	e40	35	36
23	58	71	60	55	84	102	66	47	45	39	35	32
24	58	70	56	66	83	81	72	54	46	39	100	31
25	61	71	58	68	82	76	96	69	44	38	62	31
26	62	70	63	54	73	70	106	73	42	38	48	31
27	63	66	65	62	66	72	106	68	43	58	42	31
28	63	63	69	74	77	72	99	63	42	55	40	32
29	66	73	71	66	72	79	87	59	44	51	39	33
30	65	71	75	68	---	74	89	52	43	46	38	31
31	65	---	79	69	---	76	---	49	---	45	55	---
TOTAL	1806	2094	2175	2036	2963	2505	2536	2000	1277	1394	1298	1005
MEAN	58.3	69.8	70.2	65.7	102	80.8	84.5	64.5	42.6	45.0	41.9	33.5
MAX	66	83	83	83	580	123	110	96	48	75	100	51
MIN	49	59	56	54	62	66	64	46	39	37	35	27
AC-FT	3580	4150	4310	4040	5880	4970	5030	3970	2530	2760	2570	1990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	47.2	51.3	51.2	57.7	75.8	130	217	272	113	56.0	46.5	40.1
MAX	69.0	74.4	73.5	89.1	110	271	644	813	404	113	71.1	60.4
(WY)	1994	1994	1994	1993	1995	1995	1993	1993	1995	1995	1995	1995
MIN	33.4	35.9	36.6	39.0	47.7	54.0	76.2	55.8	36.5	34.5	34.4	24.8
(WY)	1992	1990	1990	1991	1990	1990	1990	1990	1990	1994	1990	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	71939		23089			
ANNUAL MEAN	197		63.1		96.6	
HIGHEST ANNUAL MEAN					207	1993
LOWEST ANNUAL MEAN					43.6	1990
HIGHEST DAILY MEAN	1060	May 2	580	Feb 21	1140	May 4 1993
LOWEST DAILY MEAN	42	Jan 18	27	Sep 4	22	Aug 5 1994
ANNUAL SEVEN-DAY MINIMUM	51	Sep 17	29	Sep 3	23	Aug 2 1994
ANNUAL RUNOFF (AC-FT)	142700		45800		69990	
10 PERCENT EXCEEDS	613		82		169	
50 PERCENT EXCEEDS	82		63		54	
90 PERCENT EXCEEDS	56		37		33	

e Estimated

09406000 VIRGIN RIVER AT VIRGIN, UT

LOCATION.--Lat 37°12'15", long 113°10'48", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 23, T. 41 S., R. 12 W., Washington County, Hydrologic Unit 15010008, on right bank 0.25 mi downstream from North Creek and 0.5 mi east of Virgin.

DRAINAGE AREA.--956 mi^2.

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 sea level, 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 those for discharges greater than 800 ft^3/s, which are fair. Diversions for irrigation of about 2,800 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft^3/s Dec. 6, 1966, gage height, 18.00 ft, site and datum then in use, from rating curve extended above 5,000 ft^3/s on basis of one slope-area measurement and one float measurement; minimum observed, 22 ft^3/s July 10, 1920 and June 11, 1921.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 1	1145	[a] *2,870	*12.60	Feb. 20	2230	[a] 2,440	12.20

[a] From rating curve extended above 810 ft^3/s on basis of one slope-area measurement at gage height, 13.72 ft.
Minimum daily discharge, 53 ft^3/s Sept. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	509	133	154	140	156	138	126	88	63	66	81
2	99	163	131	141	140	157	143	124	87	59	65	68
3	95	148	132	134	137	161	149	117	82	57	65	58
4	97	138	131	136	133	160	140	108	74	59	64	53
5	100	133	131	134	136	171	137	104	74	59	63	54
6	102	129	133	135	138	171	130	102	73	59	61	60
7	102	121	132	135	138	150	134	98	76	60	62	61
8	108	126	136	132	137	150	143	94	74	61	60	58
9	104	134	134	132	139	153	152	89	68	67	60	58
10	103	132	133	135	137	155	158	87	62	112	57	57
11	97	129	133	134	138	164	149	84	63	84	57	73
12	94	129	135	133	132	167	142	83	62	72	59	73
13	97	129	140	133	130	245	150	89	61	70	57	65
14	97	126	166	133	130	200	131	89	61	66	59	66
15	97	124	152	131	129	177	123	84	60	90	59	67
16	96	121	149	131	128	166	123	81	62	104	60	72
17	100	125	148	156	129	158	123	80	62	79	59	85
18	101	124	144	131	130	152	117	81	62	70	58	75
19	102	126	143	127	127	148	120	80	63	68	60	75
20	102	128	147	133	581	150	112	80	62	66	60	68
21	103	129	140	128	1250	149	107	78	68	65	61	69
22	108	128	134	140	451	155	107	76	69	62	61	72
23	110	130	133	128	203	167	107	78	67	62	56	68
24	114	133	127	128	182	148	109	81	67	62	166	62
25	117	133	124	135	180	141	125	101	66	59	170	62
26	114	133	131	128	186	135	142	107	63	60	78	67
27	116	134	134	123	166	134	143	101	64	72	68	64
28	120	133	137	140	176	136	134	97	64	82	66	63
29	125	135	144	134	172	146	123	95	63	78	63	65
30	120	137	143	136	---	142	122	92	63	71	62	66
31	130	---	148	137	---	133	---	91	---	67	74	---
TOTAL	3267	4319	4278	4167	6095	4897	3933	2877	2030	2165	2136	1985
MEAN	105	144	138	134	210	158	131	92.8	67.7	69.8	68.9	66.2
MAX	130	509	166	156	1250	245	158	126	88	112	170	85
MIN	94	121	124	123	127	133	107	76	60	57	56	53
AC-FT	6480	8570	8490	8270	12090	9710	7800	5710	4030	4290	4240	3940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-71, 1979-96, BY WATER YEAR (WY)

MEAN	130	146	157	163	192	254	395	436	159	122	138	137
MAX	528	606	648	791	833	822	981	1582	762	484	441	504
(WY)	1923	1923	1967	1911	1980	1910	1993	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1910-71, 1979-96	
ANNUAL TOTAL	111120		42149			
ANNUAL MEAN	304		115		202	
HIGHEST ANNUAL MEAN					465	1922
LOWEST ANNUAL MEAN					95.7	1990
HIGHEST DAILY MEAN	2840	Mar 5	1250	Feb 21	10600	Sep 30 1911
LOWEST DAILY MEAN	82	Sep 18	53	Sep 4	22	Jul 10 1920
ANNUAL SEVEN-DAY MINIMUM	86	Sep 15	57	Sep 4	23	Jun 8 1921
ANNUAL RUNOFF (AC-FT)	220400		83600		146700	
10 PERCENT EXCEEDS	771		152		388	
50 PERCENT EXCEEDS	155		120		130	
90 PERCENT EXCEEDS	97		61		71	

09406640 LEAP CREEK ABOVE MAPLE HOLLOW, NEAR PINTURA, UT

LOCATION.--Lat. 37°22'58", long 113°17'58", in NE$^1/_4$SW$^1/_4$ sec. 22, T. 39 S., R. 13 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on right bank about 200 ft upstream from unnamed diversion, and 4.6 mi northwest of Pintura.

DRAINAGE.--7.17 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,110 ft above sea level, from topographic map.

REMARKS.--Records fair. No diversions upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162 ft$^3/_s$ Feb. 14, 1995, gage height, 7.19 ft, from rating curve extended above 24 ft$^3/_s$ on the basis of slope-area measurement at gage height 6.17; no flow June 17 to July 14 and Aug. 2 to Sept. 30, 1996.

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)
July 15	1630	[a] *124	*6.63	No other peak greater than base discharge.			

[a] From rating curve extended as explained above.

No flow June 17 to July 14 and Aug. 2 to Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.45	.89	.76	.76	.93	1.5	1.1	.72	.39	.00	.02	.00
2	.44	.83	.76	.76	.92	1.6	1.1	.70	.34	.00	.00	.00
3	.41	.81	.76	.76	.93	1.5	1.1	.68	.29	.00	.00	.00
4	.41	.81	.76	.76	.92	1.5	1.0	.66	.27	.00	.00	.00
5	.44	.81	.76	.76	.92	2.4	1.0	.65	.24	.00	.00	.00
6	.45	.81	.76	.76	.92	2.1	1.0	.65	.21	.00	.00	.00
7	.47	.81	.76	.76	.92	1.7	.97	.63	.20	.00	.00	.00
8	.47	.81	.76	.76	.92	1.6	.96	.62	.16	.00	.00	.00
9	.46	.81	.76	.76	.96	1.5	.92	.63	.14	.00	.00	.00
10	.45	.81	.76	.74	.97	1.4	.92	.63	.11	.00	.00	.00
11	.45	.81	.76	.71	.97	1.4	.92	.60	.09	.00	.00	.00
12	.44	.81	.76	.71	.96	1.4	.93	.56	.09	.00	.00	.00
13	.45	.81	.76	.72	.87	1.4	.97	.52	.06	.00	.00	.00
14	.47	.79	.76	.73	.81	1.4	.95	.49	.05	.00	.00	.00
15	.49	.76	.76	.76	.80	1.4	.93	.47	.04	8.5	.00	.00
16	.50	.76	.76	.77	.78	1.4	.92	.46	.02	.45	.00	.00
17	.51	.76	.76	1.1	.78	1.4	.92	.46	.00	.23	.00	.00
18	.52	.76	.76	.98	.77	1.4	.92	.45	.00	.22	.00	.00
19	.52	.76	.76	.94	.78	1.3	.92	.43	.00	.19	.00	.00
20	.54	.76	.76	.85	2.6	1.3	.92	.42	.00	.14	.00	.00
21	.57	.76	.76	1.0	12	1.3	.92	.42	.00	.10	.00	.00
22	.59	.76	.75	e.92	3.7	1.2	.91	.40	.00	.07	.00	.00
23	.63	.76	.70	e.90	1.9	1.2	.87	.40	.00	.06	.00	.00
24	.65	.76	e.70	e.95	1.7	1.2	.86	.45	.00	.05	.00	.00
25	.67	.76	e.70	e1.0	1.5	1.2	.86	.53	.00	.05	.00	.00
26	.67	.76	e.75	e.95	1.8	1.1	.86	.60	.00	.03	.00	.00
27	.67	.76	e.78	e.90	1.5	1.1	.85	.64	.00	.02	.00	.00
28	.67	.76	e.78	e.95	1.5	1.1	.84	.58	.00	.08	.00	.00
29	.67	.76	e.80	e1.0	1.4	1.1	.82	.54	.00	.15	.00	.00
30	.67	.76	e.80	.88	---	1.1	.76	.47	.00	.07	.00	.00
31	.68	---	.78	.91	---	1.1	---	.43	---	.05	.00	---
TOTAL	16.48	23.58	23.50	26.21	46.43	43.3	27.92	16.89	2.70	10.46	0.02	0.00
MEAN	.53	.79	.76	.85	1.60	1.40	.93	.54	.090	.34	.001	.000
MAX	.68	.89	.80	1.1	12	2.4	1.1	.72	.39	8.5	.02	.00
MIN	.41	.76	.70	.71	.77	1.1	.76	.40	.00	.00	.00	.00
AC-FT	33	47	47	52	92	86	55	34	5.4	21	.04	.00

CAL YR 1995	TOTAL	1851.88	MEAN 5.07	MAX 54	MIN .40	AC-FT 3670
WTR YR 1996	TOTAL	237.49	MEAN .65	MAX 1	MIN .00	AC-FT 471

e Estimated

09406900 WET SANDY CREEK NEAR PINTURA, UT

LOCATION.--Lat. 37°19'15", long 113°21'05", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 7, T. 40 S., R. 13 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on left bank about 100 ft upstream from unnamed diversion, 4.5 mi west of Pintura, Utah, and 5.0 mi upstream from mouth.

DRAINAGE.--5.29 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,240 ft above sea level, from topographic map.

REMARKS.--Records poor including those for estimated daily discharges. No diversions upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 321 $ft^3/_s$, estimated, July 15, 1996, gage height, 7.48 ft, from rating curve extended above 4.5 $ft^3/_s$ on the basis of velocity-area measurement at gage heights 7.05 ft and 7.20 ft, from floodmarks; minimum daily discharge, 0.06 $ft^3/_s$, estimated, Aug. 23, 24, and 26, 1996.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 $ft^3/_s$ (revised) and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
July 15	1745	[a] *321	*7.48	No other peak greater than base discharge.			

[a] From rating curve extended above 4.5 $ft^3/_s$ on the basis of velocity-area measurement at gage heights 7.05 ft and 7.20 ft, and from floodmarks. Minimum daily discharge, 0.06 $ft^3/_s$ Aug. 23, 24, and 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.4	1.0	.74	.69	.74	.83	.73	.37	.09	e.14	e.13
2	1.5	1.3	1.0	.73	.64	.82	.88	.73	.35	.09	e.14	e.13
3	1.5	1.3	1.0	.76	.61	.78	.84	.72	.31	.09	e.14	e.13
4	1.5	1.3	.98	.75	.61	.75	.84	.72	.28	.09	e.14	e.15
5	1.5	1.3	.95	.72	.65	1.0	.84	.69	.33	.09	e.14	e.13
6	1.5	1.3	.92	.73	.64	.75	.84	.63	.40	.09	e.15	e.13
7	1.4	1.2	.94	.75	.63	.65	.84	.61	.36	.09	e.15	e.15
8	1.4	1.2	.92	.73	.63	.65	.84	.61	.33	.09	e.16	e.14
9	1.4	1.2	.90	.73	.63	.65	.85	.66	.32	.16	e.17	e.14
10	1.3	1.2	.88	.67	.57	.68	.86	.63	.30	.11	e.17	e.11
11	1.3	1.2	.84	.64	.57	.70	.90	.61	.28	.09	e.18	e.10
12	1.3	1.2	.84	.63	.57	.74	.92	.58	.24	.09	e.18	e.11
13	1.3	1.3	.84	.63	.55	.90	.92	.57	.23	.10	e.20	e.11
14	1.3	1.3	.86	.63	.54	.91	.90	.57	.22	.10	e.22	e.10
15	1.3	1.2	.77	.63	.52	.87	.89	.54	.20	e34	e.26	e.11
16	1.3	1.2	.76	.63	.52	.81	.89	.53	.19	e6.0	e.18	e.10
17	1.4	1.2	.74	.71	.52	.82	.90	.54	.19	e.60	e.16	e.08
18	1.4	1.2	.71	.88	.52	.79	.88	.47	.18	e.50	e.15	e.09
19	1.4	1.2	.72	.80	.52	.75	.85	.46	.15	e.40	e.15	e.09
20	1.4	1.2	.66	.76	1.8	.76	.82	.46	.11	e.38	e.14	e.10
21	1.4	1.2	.55	.74	22	.78	.84	.44	.11	e.34	e.07	e.11
22	1.4	1.2	.57	.78	1.4	.80	.81	.44	.11	e.30	e.07	e.12
23	1.4	1.1	.57	e.70	.78	.84	.80	.50	.10	e.26	e.06	e.12
24	1.4	1.1	e.57	e.70	.75	.84	.75	.53	.10	e.22	e.06	e.13
25	1.4	1.1	e.60	e.70	.75	.84	.74	.53	.10	e.20	e.07	e.11
26	1.4	1.1	e.73	e.70	.67	.84	.73	.55	.10	e.16	e.06	e.11
27	1.4	1.1	.80	.69	.74	.84	.74	.54	.11	e.12	e.09	e.12
28	1.4	1.0	.84	.70	.76	.84	.78	.50	.10	e.18	e.10	e.14
29	1.4	1.1	.82	.69	.74	.86	.78	.48	.10	e.22	e.12	e.15
30	1.3	1.0	.76	.65	---	.84	.75	.43	.09	e.18	e.11	e.15
31	1.3	---	.80	.68	---	.83	---	.40	---	e.16	e.10	---
TOTAL	43.2	35.9	24.84	21.98	41.52	24.67	25.05	17.40	6.36	45.59	4.23	3.59
MEAN	1.39	1.20	.80	.71	1.43	.80	.83	.56	.21	1.47	.14	.12
MAX	1.6	1.4	1.0	.88	22	1.0	.92	.73	.40	34	.26	.15
MIN	1.3	1.0	.55	.63	.52	.65	.73	.40	.09	.09	.06	.08
AC-FT	86	71	49	44	82	49	50	35	13	90	8.4	7.1

CAL YR 1995 TOTAL 1472.55 MEAN 4.03 MAX 61 MIN .28 AC-FT 2920
WTR YR 1996 TOTAL 294.33 MEAN .80 MAX 34 MIN .06 AC-FT 584

e Estimated

09408000 LEEDS CREEK NEAR LEEDS, UT

LOCATION.--Lat 37°16'03", long 113°22'12", in $SW^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1915 to June 1920 (fragmentary) in reports of Geological Survey; October 1964 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since May 30, 1989. Elevation of gage is 4,000 ft above sea level, 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.--No estimated daily discharges. Records good. One diversion above station for domestic use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1964, reached a stage of 6.00 ft, former site and datum, discharge 2,980 ft^3/s from slope-area measurement of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft^3/s Aug. 3, 1988, gage height, 9.41 ft, from rating curve extended above 33 ft^3/s on basis of slope-area measurement; minimum daily discharge, 1.1 ft^3/s Sept. 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
July 15	1830	[a] *159	[b] *3.61	No other peak greater than base discharge.			

[a] From rating curve extended above 33 ft^3/s on basis of slope-area measurement at gage height 9.41 ft.
[b] From floodmarks

Minimum daily discharge, 1.9 ft^3/s, Aug. 30, 31 and Sept. 1-4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	7.2	5.2	4.5	4.4	4.5	5.2	4.6	3.0	2.3	2.6	1.9
2	6.8	6.1	5.2	4.5	4.3	4.6	5.3	4.5	2.9	2.3	2.6	1.9
3	6.8	6.1	5.2	4.5	4.1	4.6	5.2	4.4	2.8	2.3	2.6	1.9
4	6.8	6.1	5.2	4.5	4.1	4.6	5.2	4.4	2.7	2.2	2.5	1.9
5	6.9	6.0	5.2	4.4	4.1	4.8	5.1	4.3	2.7	2.2	2.5	2.0
6	6.9	6.0	5.2	4.5	4.1	4.7	5.1	4.2	2.6	2.1	2.4	2.3
7	6.7	6.0	5.2	4.3	4.1	4.6	5.2	4.1	2.7	2.2	2.4	2.2
8	6.6	5.9	5.1	4.3	4.0	4.6	5.1	4.1	2.6	2.2	2.3	2.1
9	6.5	5.9	5.0	4.3	4.0	4.6	5.1	4.1	2.6	2.6	2.3	2.1
10	6.4	5.8	5.0	4.3	4.0	4.6	5.2	4.0	2.6	2.4	2.3	2.7
11	6.3	5.8	5.0	4.3	4.0	4.7	5.2	3.9	2.6	2.4	2.3	2.7
12	6.3	5.8	5.0	4.2	3.9	4.8	5.2	3.8	2.5	2.4	2.2	2.4
13	6.3	5.8	5.0	4.2	4.0	5.7	5.3	3.7	2.5	2.5	2.2	2.4
14	6.5	5.9	5.2	4.2	4.0	5.3	5.2	3.6	2.5	2.4	2.1	2.4
15	6.4	5.8	4.9	4.1	4.0	5.4	5.1	3.5	2.5	9.7	2.5	2.4
16	6.3	5.8	4.9	4.1	4.0	5.4	5.1	3.4	2.5	5.3	2.5	2.5
17	6.2	5.7	4.9	4.4	3.9	5.2	5.0	3.4	2.4	3.3	2.4	2.6
18	6.2	5.6	4.9	4.1	3.9	5.2	5.0	3.3	2.4	3.1	2.3	2.5
19	6.1	5.6	4.9	4.2	4.0	5.2	5.0	3.3	2.4	3.0	2.2	2.5
20	6.1	5.6	4.9	4.1	5.9	5.3	5.0	3.3	2.4	2.9	2.2	2.4
21	6.1	5.6	4.8	4.1	9.2	5.4	4.9	3.2	2.4	2.8	2.1	2.4
22	6.1	5.5	4.7	4.4	6.7	5.4	4.9	3.2	2.4	2.8	2.1	2.2
23	6.2	5.4	4.7	4.2	5.4	5.5	5.0	3.4	2.4	2.7	2.1	2.1
24	6.2	5.4	4.9	4.2	5.0	5.6	4.9	3.5	2.5	2.6	2.2	2.1
25	6.1	5.4	4.8	4.2	5.0	5.5	4.8	3.5	2.4	2.6	2.2	2.1
26	6.0	5.4	4.7	4.1	4.9	5.4	4.8	3.7	2.6	2.6	2.1	2.1
27	6.0	5.4	4.5	4.2	4.6	5.3	4.7	3.5	2.7	2.8	2.1	2.1
28	5.9	5.4	4.5	4.3	4.7	5.4	4.7	3.4	2.6	3.6	2.0	2.2
29	5.8	5.4	4.5	4.3	4.5	5.4	4.8	3.2	2.5	3.0	2.0	2.2
30	5.8	5.3	4.5	4.2	---	5.4	4.7	3.1	2.4	2.9	1.9	2.1
31	5.8	---	4.5	4.3	---	5.2	---	3.1	---	2.7	1.9	---
TOTAL	196.0	172.7	152.2	132.5	132.8	157.9	151.0	114.7	76.8	90.9	70.1	67.4
MEAN	6.32	5.76	4.91	4.27	4.58	5.09	5.03	3.70	2.56	2.93	2.26	2.25
MAX	6.9	7.2	5.2	4.5	9.2	5.7	5.3	4.6	3.0	9.7	2.6	2.7
MIN	5.8	5.3	4.5	4.1	3.9	4.5	4.7	3.1	2.4	2.1	1.9	1.9
AC-FT	389	343	302	263	263	313	300	228	152	180	139	134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	4.06	4.13	4.72	4.62	6.80	9.68	9.89	10.9	13.6	11.0	7.31	4.72
MAX	9.16	10.7	26.6	12.2	52.0	36.3	33.1	28.7	38.1	34.3	21.6	12.5
(WY)	1984	1988	1967	1993	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	5266.8		1515.0			
ANNUAL MEAN	14.4		4.14		7.62	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.20	1977
HIGHEST DAILY MEAN	59	Mar 12	9.7	Jul 15	412	Dec 6 1966
LOWEST DAILY MEAN	3.6	Jan 1	1.9	Aug 30	1.1	Sep 17 1972
ANNUAL SEVEN-DAY MINIMUM	3.8	Jan 1	1.9	Aug 29	1.3	Jul 10 1977
ANNUAL RUNOFF (AC-FT)	10450		3010		5520	
10 PERCENT EXCEEDS	28		6.0		17	
50 PERCENT EXCEEDS	12		4.3		4.7	
90 PERCENT EXCEEDS	5.0		2.2		2.4	

09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°10'20", long 113°23'07", in $NE^1/_4SE^1/_4SE^1/_4$ sec. 35, T. 41 S., R. 14 W., Washington County, Hydrologic Unit 15010008, Bureau of Land Management, on right bank, 0.6 mi downstream from Quail Creek Reservoir Dam, 1.2 mi upstream from State Highway 9, and 5.2 mi west of Hurricane.

DRAINAGE AREA.--1,493 mi^2.

PERIOD OF RECORD.--March 1967 to Febuary 1989, October 1990 to current year.

REVISED RECORDS.--WDR UT-78-1 and WRD UT-94-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,800 ft above sea level, from topographic map. Prior to Mar. 30, 1993 at different sites and datum.

REMARKS.--Records good except those for flows greater than 2,000 ft^3/s, which are fair, and those for Jan. 5-9 and those for estimated daily discharges, which are poor. Since June 1985, flow diverted about 14 mi upstream into a pipeline (capacity approximately 250 ft^3/s), that feeds Quail Creek Reservoir (capacity 40,000 acre-feet), an offstream site located about 0.6 mi upstream from the gage. Flows also subject to releases from Quail Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 66,000 ft^3/s, Jan. 1, 1989, result of Quail Creek reservoir dike failure; minimum daily discharge, 23 ft^3/s, Dec. 11, 1986, at site 1.2 mi downstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1909, 17.34 ft Dec. 6, 1966, from floodmarks; discharge, 20,100 ft^3/s, site and datum established in March 1967, from slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 1	1215	[a] *4,990	12.51	Feb. 21	0015	[a] 4,120	11.15

[a] From rating curve extended above 1,900 ft^3/s on basis of slope-area measurement at gage height 12.55 ft.

Minimum daily discharge, 51 ft^3/s June 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	1050	213	e165	157	162	129	88	65	59	64	75
2	91	219	212	e160	154	172	128	86	63	63	71	75
3	84	176	212	e155	158	165	133	84	67	62	67	61
4	70	134	158	e160	152	166	127	70	61	e68	62	59
5	85	128	148	167	182	175	126	68	60	e77	63	65
6	99	119	176	160	268	186	125	68	59	77	64	62
7	110	109	180	159	269	157	126	75	53	84	56	72
8	106	110	186	150	176	153	112	91	57	e86	61	70
9	101	120	187	137	170	157	87	89	61	91	60	68
10	97	114	189	130	169	160	87	94	54	114	62	63
11	95	109	184	131	165	170	86	106	65	88	60	67
12	90	107	181	132	161	167	92	105	76	70	60	87
13	93	118	186	130	157	193	101	99	69	76	56	77
14	97	127	213	128	151	265	97	91	69	71	57	67
15	87	129	215	129	149	210	97	88	73	75	63	68
16	72	124	204	129	147	294	98	85	75	185	71	67
17	73	129	209	146	146	262	98	87	75	95	69	79
18	74	127	216	133	146	92	99	88	69	81	64	77
19	69	127	224	127	138	96	98	85	63	79	64	72
20	71	127	194	130	425	100	99	84	65	74	68	70
21	71	124	e160	127	1970	98	93	90	67	70	65	69
22	69	147	e160	133	780	185	95	102	77	117	63	73
23	79	190	e160	124	302	300	96	91	74	78	64	73
24	82	207	e160	127	237	297	107	71	74	65	58	70
25	92	206	e160	127	216	230	98	79	76	60	286	64
26	106	207	e160	124	220	169	99	102	61	62	97	65
27	137	207	e165	122	207	169	100	101	54	57	74	65
28	153	211	e165	125	175	167	99	93	51	76	70	60
29	158	221	e170	140	179	148	94	86	54	79	66	61
30	154	215	e165	153	---	133	86	73	57	72	63	70
31	145	---	e160	154	---	125	---	65	---	65	66	---
TOTAL	2998	5438	5672	4314	7926	5523	3112	2684	1944	2476	2234	2071
MEAN	96.7	181	183	139	273	178	104	86.6	64.8	79.9	72.1	69.0
MAX	158	1050	224	167	1970	300	133	106	77	185	286	87
MIN	69	107	148	122	138	92	86	65	51	57	56	59
AC-FT	5950	10790	11250	8560	15720	10950	6170	5320	3860	4910	4430	4110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968-88,1991-96, BY WATER YEAR (WY)

MEAN	123	148	173	213	261	351	428	516	204	115	126	123
MAX	304	280	440	662	1200	1178	1230	1657	869	248	316	268
(WY)	1987	1988	1972	1989	1980	1978	1993	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1968-88,1991-96	
ANNUAL TOTAL	125098		46392			
ANNUAL MEAN	343		127		232	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					72.2	1991
HIGHEST DAILY MEAN	3200	Mar 12	1970	Feb 21	13200	Jan 1 1989
LOWEST DAILY MEAN	69	Oct 19	51	Jun 28	23	Dec 11 1986
ANNUAL SEVEN-DAY MINIMUM	71	Oct 16	57	Jun 26	31	Dec 8 1986
ANNUAL RUNOFF (AC-FT)	248100		92020		167800	
10 PERCENT EXCEEDS	856		197		446	
50 PERCENT EXCEEDS	176		99		142	
90 PERCENT EXCEEDS	91		63		66	

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'18", in $NE^1/_4SE^1/_4SE^1/_4$ sec. 20, T. 42 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank immediately upstream from concrete flume, 0.2 mi downstream from diversion, 2.2 mi southeast of Washington, Utah.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Parshall flume since Nov. 8, 1991. Elevation of gage is 2,680 ft above sea level, from topographic map. Prior to Nov. 8, 1991 at site 150 ft downstream at same datum. Water-quality monitoring equipment located about 150 ft downstream.

REMARKS.--Records good. Completely regulated canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 $ft^3/_s$ Oct. 22, 1989; no flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	56	50	6.3	21	3.6	108	94	74	62	64	78
2	62	31	50	6.1	36	3.5	107	91	70	65	70	82
3	72	45	50	6.1	36	3.5	108	91	71	57	68	68
4	45	37	48	6.1	36	3.5	108	79	66	62	64	61
5	67	36	47	3.2	37	31	99	74	64	67	66	68
6	78	36	49	14	40	69	93	72	61	61	66	65
7	79	35	49	20	41	68	93	76	58	62	60	78
8	79	35	49	3.0	38	68	89	95	61	63	63	77
9	79	36	49	5.4	38	81	84	96	65	64	61	74
10	78	35	49	.00	38	90	94	100	45	81	63	69
11	85	35	37	20	38	89	95	106	69	82	62	73
12	80	35	28	57	38	97	91	108	84	71	63	86
13	96	35	28	69	37	31	72	105	79	79	56	84
14	104	42	29	69	37	41	71	98	77	74	57	75
15	98	54	29	70	57	84	80	94	82	71	65	73
16	81	47	28	70	73	106	92	91	83	80	77	76
17	81	47	28	59	53	105	92	94	86	87	75	55
18	82	47	28	49	.00	97	92	94	78	87	69	83
19	77	47	28	49	2.9	101	92	90	72	84	66	80
20	79	39	27	63	11	106	92	90	72	80	72	78
21	78	45	25	70	14	104	91	94	68	76	71	76
22	62	46	25	71	4.5	105	91	96	77	53	67	78
23	75	49	25	51	4.0	109	100	98	77	81	69	78
24	70	50	25	34	3.8	109	67	76	78	64	63	75
25	61	50	25	34	3.8	101	103	84	81	55	72	69
26	83	50	25	34	3.7	92	104	102	70	65	83	70
27	98	33	16	34	3.7	90	104	105	61	59	81	72
28	76	50	.00	34	3.6	65	104	99	57	78	74	66
29	63	50	.00	35	3.6	40	103	91	60	84	72	65
30	66	50	4.0	37	---	91	95	80	61	75	66	74
31	82	---	6.1	14	---	107	---	75	---	67	70	---
TOTAL	2374	1283	956.10	1093.20	752.60	2291.1	2814	2838	2107	2196	2095	2206
MEAN	76.6	42.8	30.8	35.3	26.0	73.9	93.8	91.5	70.2	70.8	67.6	73.5
MAX	104	56	50	71	73	109	108	108	86	87	83	86
MIN	45	31	.00	.00	.00	3.5	67	72	45	53	56	55
AC-FT	4710	2540	1900	2170	1490	4540	5580	5630	4180	4360	4160	4380

CAL YR 1995	TOTAL	21370.62	MEAN	58.5	MAX	111	MIN	.00	AC-FT	42390
WTR YR 1996	TOTAL	23006.00	MEAN	62.9	MAX	109	MIN	.00	AC-FT	45630

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, 510 microsiemens, May 4, 15, 1993.
WATER TEMPERATURES: Maximum, 32.7°C, July 15, 1988; minimum, 0.0°C, Dec. 21, 1990.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 4,070 microsiemens, May 4; minimum recorded, 1,020 microsiemens, Nov. 3.
WATER TEMPERATURES: Maximum recorded, 31.4°C, July 14; minimum recorded, 3.6°C, Jan. 26.

SPECIFIC CONDUCTANCE, uS/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2110	1860	1990	2040	---	---	1800	1510	1610	---	---	---
2	2140	1980	2070	---	---	---	1620	1600	1610	---	---	---
3	2080	1980	2030	1060	1020	1040	1620	1600	1610	---	---	---
4	---	---	---	1090	1060	1070	2210	1590	1800	---	---	---
5	---	---	---	1100	1080	1090	2250	1770	2070	---	---	---
6	---	---	---	1120	1100	1110	1770	1740	1760	---	---	---
7	---	---	---	1160	1120	1140	1750	1720	1740	---	---	---
8	---	---	---	1180	1150	1170	1850	1660	1720	---	---	---
9	---	---	---	1200	1170	1190	1830	1640	1690	---	---	---
10	---	---	---	1220	1200	1210	1770	1650	1690	---	---	---
11	---	---	---	1240	1210	1220	1790	1650	1700	---	---	---
12	2540	---	---	1250	1220	1240	2000	1590	1760	2090	2020	2060
13	2670	2200	2450	1260	1250	1250	1800	1680	1740	2160	2010	2060
14	2350	2160	2280	1270	1250	1250	1910	1660	1750	2130	2020	2070
15	2470	2150	2320	1290	1260	1270	1720	1540	1580	2120	2010	2060
16	2570	2130	2380	1290	1280	1290	1790	1620	1650	2110	2010	2050
17	2590	2440	2550	1310	1280	1300	1820	1620	1670	2300	2000	2070
18	2440	2370	2410	---	---	---	1700	1570	1640	2340	1580	1710
19	2480	2340	2400	---	---	---	1840	1490	1640	1930	1770	1890
20	2430	2260	2380	---	---	---	2140	1440	1760	2010	1820	1910
21	2360	2260	2310	---	---	---	2340	1880	1970	2070	1780	1880
22	2490	2260	2390	---	---	---	2240	1930	2020	2030	1880	1910
23	2490	2070	2330	---	---	---	2250	1930	2030	2220	1730	1890
24	2390	2090	2250	---	---	---	2130	1970	2060	2180	1820	1930
25	2670	2250	2460	---	---	---	2110	1990	2070	2280	1730	1910
26	2320	2160	2250	---	---	---	2440	1890	2080	2110	1840	1960
27	2290	1840	1960	---	---	---	2500	---	---	2080	1900	1930
28	1850	1770	1810	1680	---	---	---	---	---	2030	1920	1980
29	1820	1760	1790	2190	1550	1680	---	---	---	2310	1670	1880
30	1770	1730	1750	2010	1340	1540	---	---	---	1730	1690	1710
31	1890	1720	1810	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1800	---	---	---	---	---	1980	1850	1930	2410	2260	2330
2	1720	1650	1680	---	---	---	2090	1850	1970	2400	2310	2360
3	1760	1580	1690	---	---	---	1960	1790	1870	2520	2290	2380
4	1690	1640	1670	---	---	---	2100	1660	1880	4070	2190	2500
5	---	---	---	1940	---	---	1920	1850	1880	3020	2600	2710
6	---	---	---	1940	1630	1700	1910	1850	1880	2980	2680	2800
7	---	---	---	1850	1660	1770	1940	1860	1900	3140	2610	2830
8	---	---	---	1940	1820	1890	2410	1880	2030	3340	2410	2590
9	---	---	---	1960	1830	1870	2360	2150	2250	2480	2270	2380
10	---	---	---	1950	1790	1840	2620	2140	2330	2660	2180	2410
11	---	---	---	1980	1740	1800	2620	2180	2310	2330	2060	2250
12	1790	---	---	1920	1680	1750	2450	2000	2300	2220	2060	2130
13	2000	1790	1830	1880	---	---	2490	1990	2170	2250	2090	2190
14	2000	1670	1780	1460	---	---	2220	1980	2120	2410	1940	2280
15	1830	1810	1820	1940	1380	1620	2220	2150	2200	2580	2220	2360
16	2050	1650	1800	1440	1350	1380	2210	2180	2200	2470	2320	2410
17	1870	---	---	1940	1330	1380	2230	2170	2210	2510	2430	2460
18	---	---	---	2550	1940	2400	2220	2130	2190	2490	2260	2400
19	---	---	---	2620	2240	2420	2290	2100	2200	2490	2290	2420
20	---	---	---	2270	2200	2230	2240	1970	2130	2490	2400	2450
21	---	---	---	2310	2200	2250	2420	2030	2180	2620	2310	2440
22	---	---	---	2240	1330	1920	2250	2090	2180	2910	2200	2350
23	---	---	---	1490	1260	1340	2590	2050	2230	4020	1710	2300
24	---	---	---	1410	1250	1310	---	---	---	3380	1690	2370
25	---	---	---	1660	1320	1440	2400	2030	2220	2800	2530	2620
26	---	---	---	1740	1660	1700	2500	2070	2240	2710	2100	2360
27	---	---	---	1760	1700	1740	2480	2070	2200	2210	2050	2110
28	---	---	---	1760	---	---	2510	2030	2200	2460	2090	2300
29	---	---	---	1940	---	---	2490	2050	2150	2530	2410	2460
30	---	---	---	2000	1850	1910	2410	2180	2310	2740	2450	2650
31	---	---	---	1970	1860	1930	---	---	---	3060	2680	2790
MONTH	---	---	---	---	---	---	---	---	---	4070	1690	2430

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	3000	2850	2900	3240	3060	3130	---	---	---	2850	2460	2710
2	3090	2760	2940	3130	2900	3020	---	---	---	2470	2270	2410
3	3090	2770	2940	3540	2790	3110	---	---	---	2670	2270	2460
4	3100	2730	2950	3240	2990	3180	---	---	---	2950	2540	2820
5	3370	2930	3110	3540	2370	2940	---	---	---	3130	2520	2810
6	3410	2920	3200	3280	2930	3050	---	---	---	3000	2400	2790
7	3350	2880	3190	3150	3060	3110	---	---	---	2960	2420	2650
8	3700	3140	3370	3150	2940	3050	---	---	---	2580	2470	2540
9	3280	3020	3140	3440	---	---	---	---	---	2650	2530	2590
10	3370	---	---	3350	1850	2760	---	---	---	2840	2520	2730
11	3150	2600	2940	2630	1900	2270	---	---	---	3090	2700	2860
12	2740	2460	2610	2930	2480	2730	---	---	---	3090	2240	2450
13	2900	2420	2560	2940	2480	2690	---	---	---	2590	2240	2430
14	2730	2490	2630	2690	2410	2580	---	---	---	2900	2410	2680
15	---	2540	---	2990	2620	2730	---	---	---	2860	2650	2730
16	2690	2510	2590	---	---	---	---	---	---	2780	2490	2630
17	2710	2450	2520	---	---	---	---	---	---	2720	---	---
18	2740	2430	2630	---	---	---	---	---	---	2400	2200	2290
19	2870	2530	2690	---	---	---	---	---	---	2510	2370	2440
20	2890	2630	2790	---	---	---	---	---	---	2530	2380	2450
21	3020	2540	2790	---	---	---	---	---	---	2540	2440	2490
22	3210	2520	2800	---	---	---	---	---	---	2540	2410	2470
23	2600	2500	2540	---	---	---	---	---	---	2470	2320	2380
24	2760	2520	2620	---	---	---	---	---	---	2540	2390	2460
25	2760	2510	2580	---	---	---	---	---	---	2660	2410	2530
26	2950	2450	2600	---	---	---	---	---	---	2680	2510	2560
27	3490	2880	3030	---	---	---	2990	---	---	2610	2410	2480
28	3290	2830	3110	---	---	---	2890	2410	2690	2570	2430	2490
29	3490	3110	3240	---	---	---	2800	2530	2660	2600	2530	2570
30	3190	3050	3120	---	---	---	2940	2600	2810	2650	2290	2470
31	---	---	---	---	---	---	2970	2710	2840	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	3130	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	15.0	18.2	15.7	---	---	11.4	8.0	9.4	---	---	---
2	22.0	15.0	18.4	13.5	---	---	11.2	8.2	9.5	---	---	---
3	21.8	14.9	18.3	14.2	9.4	11.7	10.4	8.0	9.1	---	---	---
4	18.8	14.0	16.7	13.8	9.4	11.6	11.6	8.1	9.6	---	---	---
5	18.4	10.9	14.5	13.8	8.9	11.3	12.0	8.3	9.7	---	---	---
6	19.4	12.6	15.9	14.0	9.7	11.8	11.5	8.2	9.5	---	---	---
7	19.4	13.1	16.2	15.3	10.3	12.6	10.9	8.8	9.5	---	---	---
8	20.0	13.3	16.5	15.6	10.9	13.0	11.4	8.2	9.4	---	---	---
9	20.0	13.6	16.7	15.7	11.3	13.3	10.6	8.0	9.0	---	---	---
10	20.8	13.9	17.2	14.8	11.8	13.1	10.8	7.6	8.9	---	---	---
11	20.5	14.4	17.6	14.5	9.7	12.0	9.7	8.1	8.9	---	---	---
12	---	16.4	---	14.8	9.8	12.1	11.5	9.3	10.4	10.5	6.3	8.1
13	18.3	12.4	15.5	15.2	10.2	12.3	12.2	10.8	11.3	10.0	6.3	8.1
14	19.2	11.5	15.1	15.7	11.2	13.0	13.0	10.5	11.3	10.6	6.3	8.2
15	18.8	12.9	15.9	15.8	11.6	13.3	10.7	9.0	9.9	10.8	7.0	8.6
16	20.5	13.9	17.0	15.4	11.2	12.9	10.9	8.4	9.5	10.0	7.3	8.7
17	20.5	14.1	17.2	15.0	10.8	12.6	9.6	6.6	8.2	10.4	7.4	9.2
18	20.2	14.0	17.0	14.7	10.5	12.3	8.9	5.8	7.0	7.5	4.8	6.3
19	19.6	14.2	16.7	14.4	10.3	12.1	8.9	6.4	7.5	9.0	5.6	7.0
20	18.8	11.8	15.3	---	10.0	---	9.8	6.4	7.9	9.6	5.3	7.2
21	19.2	13.2	16.1	13.0	10.0	11.4	8.3	5.5	6.9	9.9	6.0	7.7
22	16.5	11.1	13.5	13.7	9.9	11.6	7.8	4.3	5.9	9.3	7.4	8.2
23	15.4	9.2	11.9	13.1	9.5	11.0	7.6	4.3	5.9	8.9	5.3	7.1
24	15.9	9.8	12.7	12.5	9.2	10.6	7.2	3.8	5.5	9.6	5.4	7.2
25	15.8	9.9	12.7	12.4	9.4	10.7	7.7	3.7	5.5	6.8	5.3	6.3
26	16.3	10.5	13.3	12.4	9.7	10.7	7.6	3.9	5.5	8.0	3.6	5.5
27	16.7	10.8	13.8	---	---	---	---	---	---	8.2	4.1	6.2
28	15.8	11.8	14.0	10.3	6.8	8.3	---	---	---	10.7	6.9	8.4
29	16.6	12.6	14.6	10.9	7.4	8.9	---	---	---	10.3	6.8	8.2
30	17.9	12.9	15.3	11.3	7.7	9.2	---	---	---	8.8	7.3	8.0
31	17.0	12.7	14.9	---	---	---	---	---	---	---	---	---
MONTH	---	9.2	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.1	---	---	---	---	---	19.1	11.4	15.0	25.0	15.9	20.0
2	13.0	8.9	10.3	---	---	---	19.4	13.2	15.7	24.2	16.4	20.3
3	9.5	7.5	8.6	---	---	---	19.0	12.2	15.4	24.3	16.6	20.2
4	11.6	7.0	9.0	---	---	---	18.5	12.0	14.9	24.9	16.2	20.3
5	11.1	8.8	9.9	---	---	---	18.6	9.9	13.8	26.4	16.2	20.8
6	12.3	8.3	10.4	14.7	9.3	11.6	19.7	11.0	15.0	26.1	16.1	20.8
7	13.2	9.2	10.9	15.5	8.4	11.5	20.4	12.3	16.1	26.4	16.9	21.2
8	13.9	9.1	11.2	16.8	9.5	12.7	22.4	13.7	17.8	26.2	17.1	21.3
9	12.9	9.7	11.2	18.0	10.6	14.0	23.2	14.7	18.7	25.5	17.8	21.3
10	13.7	9.7	11.5	19.0	12.5	15.2	19.9	15.2	17.7	26.4	17.0	21.4
11	12.5	10.2	11.2	18.1	11.9	14.5	20.3	14.0	17.1	27.3	17.3	22.1
12	14.7	9.8	11.8	17.9	12.7	14.9	19.1	13.5	15.9	28.6	18.6	23.3
13	14.9	10.1	12.2	14.5	---	---	19.0	12.0	15.0	27.7	18.3	22.8
14	14.7	9.8	12.0	---	---	---	19.7	10.6	14.8	26.8	18.2	22.4
15	15.0	9.9	12.1	---	---	---	20.2	12.0	16.0	27.8	19.1	22.9
16	15.5	11.3	12.9	---	---	---	17.1	13.2	15.2	23.3	18.8	21.1
17	15.3	---	---	---	---	---	20.1	13.4	15.9	25.0	16.7	20.4
18	---	---	---	18.7	---	---	17.3	13.4	15.3	26.1	17.9	21.5
19	---	---	---	19.2	10.0	14.4	19.5	10.7	14.8	26.0	17.7	21.5
20	---	---	---	20.3	11.8	15.8	19.1	12.1	15.4	24.8	16.7	20.6
21	---	---	---	19.9	12.3	16.0	19.8	11.8	15.6	25.7	16.6	20.9
22	---	---	---	18.1	12.0	14.7	21.5	12.3	16.7	26.1	17.8	21.6
23	---	---	---	13.2	10.4	11.6	22.7	13.8	18.2	25.2	16.9	20.7
24	---	---	---	14.3	9.0	11.2	---	---	---	---	---	---
25	---	---	---	15.9	9.2	11.8	24.4	16.6	20.2	---	---	---
26	---	---	---	16.0	8.5	12.0	24.7	16.2	20.1	---	---	---
27	---	---	---	16.2	10.1	12.8	24.1	17.2	20.4	---	---	---
28	---	---	---	---	---	---	19.6	10.9	15.5	23.9	---	---
29	---	---	---	17.1	---	---	22.6	11.8	16.4	23.1	16.6	19.8
30	---	---	---	17.8	10.3	13.8	24.3	14.6	19.1	24.6	15.6	19.9
31	---	---	---	19.2	10.6	14.5	---	---	---	25.2	15.7	20.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.9	16.8	21.4	---	---	---	30.0	21.6	25.5	26.1	18.4	22.0
2	27.7	16.6	22.1	---	---	---	29.8	21.6	25.2	25.7	17.9	21.6
3	28.8	18.2	23.4	---	---	---	28.2	22.1	24.8	25.8	17.7	21.6
4	28.3	19.0	23.6	---	---	---	27.8	18.9	23.2	23.5	17.3	20.6
5	27.8	18.6	23.1	---	---	---	28.2	18.3	22.9	23.1	18.0	20.4
6	30.3	18.7	24.2	---	---	---	28.3	18.5	23.2	25.3	16.9	20.5
7	29.6	20.1	24.9	---	---	---	28.4	18.9	23.5	25.4	17.5	21.1
8	28.6	19.4	24.0	---	---	---	28.4	18.6	23.3	25.7	17.4	21.3
9	28.7	18.9	23.6	30.2	---	---	29.6	20.2	24.5	24.8	17.5	21.1
10	28.8	---	---	30.5	21.2	25.3	29.9	19.8	24.4	23.9	17.8	20.4
11	27.6	17.8	22.4	30.8	22.3	26.0	30.1	19.4	24.5	25.6	17.3	21.1
12	26.2	16.4	20.9	26.3	23.6	24.9	29.5	20.0	24.4	24.3	18.3	21.1
13	26.4	15.6	20.6	30.0	20.5	24.9	29.8	19.3	24.2	21.0	17.3	18.6
14	26.1	15.5	20.5	31.4	21.7	25.9	29.9	20.3	24.6	23.0	15.2	18.8
15	26.2	15.8	20.6	31.1	22.0	25.5	29.1	20.0	23.9	22.3	15.2	18.6
16	24.9	15.6	20.2	30.2	21.8	25.7	28.0	19.9	23.6	18.8	14.3	16.7
17	25.0	15.8	20.1	29.5	22.8	26.0	27.0	20.4	23.1	---	---	---
18	26.1	15.4	20.5	29.7	21.4	25.2	27.2	20.0	23.3	---	---	---
19	26.5	15.7	20.8	30.1	20.9	25.2	27.8	18.4	22.8	---	---	---
20	23.2	17.8	20.5	30.1	20.5	25.2	28.1	19.5	23.5	---	---	---
21	25.1	17.2	20.8	30.4	20.8	25.4	27.9	18.6	23.1	---	---	---
22	25.9	15.4	20.2	30.6	---	---	28.6	18.6	23.4	---	---	---
23	26.4	16.0	20.9	31.0	22.2	26.3	26.5	19.6	22.7	---	---	---
24	25.3	16.0	20.3	31.1	21.6	26.0	29.5	20.3	24.0	---	---	---
25	24.9	16.1	20.3	30.1	20.9	25.4	27.1	21.1	23.7	---	---	---
26	---	---	---	30.7	22.0	25.9	26.7	20.1	23.3	---	---	---
27	---	---	---	30.0	21.7	25.3	26.5	20.7	23.5	---	---	---
28	---	---	---	29.1	22.2	25.0	27.0	18.5	22.5	---	---	---
29	---	---	---	30.9	22.0	26.1	26.7	18.2	22.2	---	---	---
30	---	---	---	31.3	21.9	26.2	26.4	17.5	21.8	---	---	---
31	---	---	---	31.0	21.0	25.8	26.0	17.8	21.7	---	---	---
MONTH	---	---	---	---	---	---	30.1	17.5	23.6	---	---	---

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT

LOCATION.--Lat 37°23'00" long 113°28'57", in $NW^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above sea level, from topographic map.

REMARKS.--Records good except those for flows less than 2.0 $ft^3/_s$ and 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 $ft^3/_s$, Dec. 6, 1966, gage height, 6.85 ft; minimum daily discharge, 0.51 $ft^3/_s$, Feb. 15, 1990.

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	2300	*9.2	1.59	Dec. 27	0900	unknown	[a] *2.49

[a] backwater from ice

Minimum daily discharge, 1.0 $ft^3/_s$ Aug. 30, 31, Sept. 1-4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	5.3	3.8	3.3	e3.0	e3.5	3.8	6.6	2.9	1.7	1.5	1.0
2	7.1	5.3	3.8	3.1	3.0	e3.5	4.2	6.7	2.8	1.7	1.5	1.0
3	7.1	5.0	3.8	3.1	2.9	3.7	4.4	6.5	2.7	1.8	1.4	1.0
4	7.0	5.0	3.8	3.1	2.8	3.7	4.4	6.3	2.6	1.7	1.3	1.0
5	7.1	4.9	3.8	3.1	2.9	4.0	4.3	6.1	2.6	1.6	1.3	1.1
6	7.0	4.8	3.7	3.1	3.0	4.0	4.4	5.9	2.5	1.6	1.3	1.6
7	6.9	4.8	3.8	3.1	3.1	4.0	4.6	5.8	2.4	1.5	1.3	1.3
8	6.8	4.8	3.8	3.1	3.1	4.0	4.8	5.7	2.4	1.7	1.3	1.2
9	6.4	4.8	3.7	3.1	3.0	4.3	6.2	5.6	2.3	2.5	1.2	1.3
10	6.3	4.6	3.7	3.1	3.0	4.5	7.2	5.3	2.3	2.2	1.2	1.2
11	6.2	4.6	3.6	3.0	3.0	4.5	6.9	4.9	2.3	2.3	1.1	1.4
12	6.2	4.6	3.5	3.0	3.0	4.5	6.4	4.8	2.1	2.3	1.1	1.4
13	6.2	4.6	3.7	3.0	3.0	4.8	6.1	4.6	2.1	2.0	1.2	1.2
14	6.2	4.6	4.0	3.0	3.0	4.6	5.5	4.5	2.1	1.9	1.2	1.2
15	6.1	4.4	3.7	3.0	2.9	4.7	5.0	4.3	2.1	2.1	1.3	1.1
16	6.0	4.3	3.7	3.0	2.9	4.5	4.9	4.1	2.0	3.3	1.9	1.2
17	5.9	4.3	3.7	e3.0	2.9	4.4	4.8	4.1	1.9	3.3	1.9	1.4
18	5.9	4.2	3.6	e3.0	2.9	4.4	4.6	3.9	1.9	2.5	1.4	1.3
19	5.8	4.1	3.6	3.0	2.9	4.4	4.4	3.7	1.9	2.1	1.3	1.2
20	5.7	4.1	3.5	2.9	e4.5	4.4	4.3	3.6	1.9	2.0	1.2	1.2
21	5.5	4.1	e3.4	2.9	e8.0	4.7	4.2	3.4	1.8	1.9	1.2	1.2
22	5.3	4.1	e3.3	3.1	e4.5	5.2	4.1	3.4	1.8	1.8	1.2	1.1
23	5.5	4.1	e3.3	e3.0	e4.0	5.6	4.3	3.5	1.8	1.8	1.1	1.1
24	5.6	4.0	e3.3	e3.0	e3.5	5.0	4.8	3.8	1.7	1.8	1.3	1.1
25	5.5	4.0	e3.3	e3.0	e3.5	4.5	6.5	3.9	1.7	1.7	1.4	1.1
26	5.4	3.9	e3.3	e3.0	e3.5	4.3	8.0	4.0	1.2	1.7	1.2	1.1
27	5.3	4.0	e3.3	e3.0	e3.5	4.2	8.4	3.8	1.8	1.7	1.2	1.1
28	5.3	4.0	3.4	e3.0	e3.5	4.0	8.1	3.6	1.9	1.7	1.1	1.1
29	5.2	4.0	3.3	e3.0	e3.5	4.3	7.0	3.3	1.8	1.7	1.1	1.1
30	5.2	3.9	3.3	e3.0	---	4.0	6.6	3.2	1.7	1.6	1.0	1.1
31	5.1	---	3.3	e3.0	---	3.9	---	3.1	---	1.6	1.0	---
TOTAL	188.0	133.2	110.8	94.1	98.3	134.1	163.2	142.0	63.0	60.8	39.7	35.4
MEAN	6.06	4.44	3.57	3.04	3.39	4.33	5.44	4.58	2.10	1.96	1.28	1.18
MAX	7.2	5.3	4.0	3.3	8.0	5.6	8.4	6.7	2.9	3.3	1.9	1.6
MIN	5.1	3.9	3.3	2.9	2.8	3.5	3.8	3.1	1.2	1.5	1.0	1.0
AC-FT	373	264	220	187	195	266	324	282	125	121	79	70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1996, BY WATER YEAR (WY)

MEAN	3.58	3.86	3.81	2.77	3.35	6.60	17.4	34.1	25.7	10.8	5.99	3.95
MAX	12.5	21.4	30.3	5.08	8.29	24.8	43.4	122	126	47.9	23.2	12.1
(WY)	1973	1988	1967	1979	1995	1995	1969	1973	1983	1983	1983	1983
MIN	.84	.95	1.02	1.10	.68	1.20	1.66	4.58	2.10	1.21	1.07	1.02
(WY)	1978	1978	1978	1990	1990	1977	1977	1996	1996	1963	1960	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1960 - 1996	
ANNUAL TOTAL	8607.2		1262.6			
ANNUAL MEAN	23.6		3.45		10.2	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					2.30	1977
HIGHEST DAILY MEAN	126	Jun 14	8.4	Apr 27	397	Dec 6 1966
LOWEST DAILY MEAN	2.4	Jan 8	1.0	Aug 30	.51	Feb 15 1990
ANNUAL SEVEN-DAY MINIMUM	2.6	Jan 3	1.0	Aug 29	.55	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	17070		2500		7380	
10 PERCENT EXCEEDS	63		5.8		24	
50 PERCENT EXCEEDS	12		3.3		4.0	
90 PERCENT EXCEEDS	3.4		1.2		1.6	

e Estimated

09409100 SANTA CLARA RIVER ABOVE BAKER RESERVOIR NEAR CENTRAL, UT

LOCATION.--Lat 37°23'05", long 113°37'52", in $SW^1/_4NW^1/_4NE^1/_4$ sec. 22, T. 39 S., R. 16 W., Washington County, Hydrologic Unit 15010008, on left bank 0.6 mi downstream from Kane Spring Draw, 0.8 mi upstream from Baker Dam, 2.6 mi south of Central, Utah, and 4.0 mi north of Veyo, Utah.

DRAINAGE AREA.--116 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,875 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges and discharges less than 2.0 $ft^3/_s$, which are poor. Diversion 0.5 mi upstream for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,160 $ft^3/_s$ (estimated), Mar. 11, 1995, gage height, 5.79 ft, from rating curve extended above 100 $ft^3/_s$ on basis of slope-area measurement at gage height 2.28 ft and velocity-area measurement at gage height 2.78 ft; minimum daily discharge, 0.13 $ft^3/_s$ Aug.15, 16, 1991.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 6, 1966 reached a discharge of 2,080 $ft^3/_s$, from flow over dam measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29 $ft^3/_s$ Feb. 21, gage height, 1.03 ft; minimum daily discharge, 0.26 $ft^3/_s$ July 21-26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	1.1	1.1	1.3	.98	.88	.77	.40	.28	.31	.28
2	14	20	1.1	1.1	1.3	.97	.88	.71	.38	.27	.31	.28
3	14	20	1.1	1.0	1.3	.92	.89	.78	.38	.27	.32	.28
4	13	19	1.0	1.1	1.3	.94	.89	.79	.38	.28	.33	.29
5	14	19	1.1	1.1	1.3	1.0	.83	.86	.37	.28	.32	.44
6	14	20	8.1	1.1	1.3	1.0	.80	.75	.38	.28	.32	.36
7	14	19	19	1.1	1.4	.96	.80	.75	.37	.28	.31	.33
8	13	19	18	1.0	1.5	.89	.83	.71	.35	.27	.30	.32
9	13	19	18	1.1	1.5	.78	1.0	.67	.35	.30	.30	.31
10	14	19	18	1.1	1.4	.72	1.0	.69	.34	.30	.29	.33
11	14	19	18	1.1	1.4	.72	1.1	.61	.34	.29	.28	.34
12	14	19	18	1.1	1.4	.76	.87	.57	.35	.30	.28	.34
13	13	19	20	1.1	1.4	.90	.82	.60	.36	.28	.29	.34
14	13	19	21	1.2	1.3	.81	.85	.56	.36	.29	.29	.37
15	12	19	20	1.2	1.3	.80	.80	.53	.34	.30	.29	.41
16	e5.0	19	20	1.2	1.3	.80	.73	.49	.31	.31	.30	.42
17	e9.0	19	20	1.2	1.4	.80	.73	.49	.32	.30	.31	.43
18	18	18	19	1.1	1.3	.80	.84	.47	.33	.27	.32	.44
19	16	10	20	1.1	1.3	.79	.98	.47	.33	.27	.32	.43
20	17	e3.0	18	1.2	3.9	.80	.85	.48	.33	.27	.30	.41
21	17	e.84	16	1.2	20	.80	.72	.48	.32	.26	.30	.41
22	17	.84	8.4	1.3	5.5	.80	.74	.47	.32	.26	.30	.41
23	17	.84	1.0	1.1	1.1	.84	.76	.45	.32	.26	.30	.40
24	17	.89	.96	1.2	.90	.86	.89	.49	.31	.26	.31	.44
25	17	.88	.99	1.2	.90	.84	.88	.50	.31	.26	.31	.50
26	17	.85	1.0	1.1	.92	.80	1.1	.52	.32	.26	.30	.50
27	15	.87	1.0	1.2	.93	.76	.98	.47	.32	.27	.30	.49
28	16	.89	1.1	1.3	.89	.79	.84	.47	.30	.29	.29	.51
29	17	9.1	1.1	1.2	.99	.80	.93	.47	.29	.30	.28	.54
30	18	13	1.2	1.2	---	.89	.86	.44	.29	.30	.27	.55
31	18	---	1.2	1.3	---	.88	---	.42	---	.30	.28	---
TOTAL	453.0	386.00	314.45	35.6	61.73	26.20	26.07	17.93	10.17	8.71	9.33	11.90
MEAN	14.6	12.9	10.1	1.15	2.13	.85	.87	.58	.34	.28	.30	.40
MAX	18	20	21	1.3	20	1.0	1.1	.86	.40	.31	.33	.55
MIN	5.0	.84	.96	1.0	.89	.72	.72	.42	.29	.26	.27	.28
AC-FT	899	766	624	71	122	52	52	36	20	17	19	24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	4.27	4.02	4.43	3.65	4.89	17.3	11.8	23.3	19.7	7.75	3.13	4.67
MAX	14.6	12.9	10.6	12.9	11.8	63.7	35.1	77.8	84.1	32.1	7.36	15.5
(WY)	1996	1996	1993	1993	1993	1995	1993	1993	1995	1995	1995	1995
MIN	.41	.50	.40	.55	.55	.75	.87	.47	.34	.28	.30	.40
(WY)	1992	1990	1990	1990	1990	1990	1996	1990	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	9936.07		1361.09			
ANNUAL MEAN	27.2		3.72		9.09	
HIGHEST ANNUAL MEAN					24.5	1995
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	393	Mar 11	21	Dec 14	393	Mar 11 1995
LOWEST DAILY MEAN	.62	Jan 1	.26	Jul 21	.13	Aug 15 1991
ANNUAL SEVEN-DAY MINIMUM	.67	Jan 1	.26	Jul 20	.18	Aug 14 1991
ANNUAL RUNOFF (AC-FT)	19710		2700		6590	
10 PERCENT EXCEEDS	69		17		20	
50 PERCENT EXCEEDS	17		.84		1.5	
90 PERCENT EXCEEDS	1.0		.29		.43	

e Estimated

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 downstream from tailrace of powerhouse.

DRAINAGE AREA.--271 mi^2.

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,628 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions for irrigation upstream from station. Flow regulated by several reservoirs and powerplant upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,830 $ft^3/_s$, estimated, Mar. 11, 1995, gage height, 8.07 ft; no flow several days during 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59 $ft^3/_s$ Nov. 1, gage height, 2.24 ft; minimum daily discharge, 2.7 $ft^3/_s$ June 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	23	17	17	16	16	17	12	7.1	4.2	5.6	4.3
2	19	22	18	17	16	16	15	12	6.9	3.5	5.1	3.7
3	18	22	18	17	16	16	13	12	6.6	3.1	3.8	4.5
4	19	22	17	17	16	16	11	11	7.0	4.5	4.8	5.1
5	19	22	16	17	16	16	13	8.9	6.1	7.7	6.0	5.5
6	19	22	16	16	16	16	11	11	4.7	8.0	5.4	4.5
7	19	22	17	15	15	17	11	11	6.4	7.5	4.9	4.2
8	18	22	17	16	15	17	12	12	6.2	7.5	4.2	4.2
9	18	21	16	17	15	17	12	8.4	5.9	7.3	4.6	5.7
10	18	20	17	17	15	16	12	9.6	5.4	6.8	4.5	6.3
11	18	20	18	17	15	16	12	12	5.8	6.4	3.6	5.0
12	18	20	18	17	15	16	11	11	5.1	6.8	4.7	4.4
13	17	20	17	17	14	17	12	11	4.1	6.1	4.5	5.4
14	18	19	17	16	14	17	12	9.0	4.2	5.3	4.1	4.9
15	20	19	18	17	14	17	12	9.0	3.7	4.6	4.2	5.7
16	20	19	18	19	14	16	11	9.3	3.2	7.4	4.3	5.1
17	19	20	18	20	14	17	12	8.4	3.0	6.4	4.0	5.3
18	17	20	18	17	14	16	12	7.1	3.6	5.8	3.4	5.4
19	18	22	18	13	13	16	13	7.9	3.0	5.4	5.4	6.2
20	21	23	18	13	14	e15	11	8.3	3.4	4.5	5.5	6.4
21	22	20	19	14	30	e15	11	7.3	3.0	4.2	5.6	5.3
22	e20	18	19	16	34	e16	11	7.0	2.7	5.9	4.6	5.7
23	e22	18	18	17	25	e16	11	7.1	3.1	5.2	4.8	6.0
24	22	18	17	16	19	e17	8.2	7.1	3.0	5.1	4.7	4.7
25	22	17	17	16	18	e18	7.3	7.1	5.0	5.2	5.2	5.5
26	21	18	17	15	18	e17	11	7.6	5.5	5.1	5.2	5.5
27	19	18	17	13	17	e17	11	7.1	7.2	5.7	7.9	3.6
28	19	16	16	13	16	e17	11	7.7	6.5	5.8	9.4	3.6
29	18	17	17	15	16	e17	13	8.2	5.4	5.6	5.5	4.2
30	19	17	17	15	---	e17	13	7.9	5.0	5.5	3.5	5.4
31	19	---	17	16	---	17	---	7.8	---	5.4	3.6	---
TOTAL	595	597	538	498	490	510	352.5	282.8	147.8	177.5	152.6	151.3
MEAN	19.2	19.9	17.4	16.1	16.9	16.5	11.7	9.12	4.93	5.73	4.92	5.04
MAX	22	23	19	20	34	18	17	12	7.2	8.0	9.4	6.4
MIN	17	16	16	13	13	15	7.3	7.0	2.7	3.1	3.4	3.6
AC-FT	1180	1180	1070	988	972	1010	699	561	293	352	303	300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1996, BY WATER YEAR (WY)

MEAN	11.0	15.2	15.5	20.0	38.8	54.3	40.8	43.4	32.6	12.2	9.33	8.47
MAX	28.0	30.9	26.0	95.4	372	211	150	222	138	40.4	30.5	26.5
(WY)	1984	1981	1981	1980	1980	1979	1973	1973	1973	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1970 - 1996	
ANNUAL TOTAL	20530		4492.5			
ANNUAL MEAN	56.2		12.3		25.1	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					7.10	1990
HIGHEST DAILY MEAN	1150	Feb 14	34	Feb 22	2040	Feb 15 1980
LOWEST DAILY MEAN	10	Aug 25	2.7	Jun 22	.00	Jul 26 1977
ANNUAL SEVEN-DAY MINIMUM	12	Aug 23	3.1	Jun 17	.02	Aug 1 1977
ANNUAL RUNOFF (AC-FT)	40720		8910		18150	
10 PERCENT EXCEEDS	106		19		52	
50 PERCENT EXCEEDS	30		13		13	
90 PERCENT EXCEEDS	16		4.5		4.9	

e Estimated

09410100 SANTA CLARA RIVER BELOW WINSOR DAM, NEAR SANTA CLARA, UT

LOCATION.--Lat 37°11'22", long 113°46'02", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ 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 mi^2.

PERIOD OF RECORD.--December 1971 to current year.

REVISED RECORDS.--WRD UT-73-1:1972(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,210 ft above sea level, from topographic map, prior to Mar. 29, 1988, at several sites upstream and downstream at different datums.

REMARKS.--Records good except those for flows less than 2.0 ft$^3/_s$ and those for estimated daily discharges, which are poor. Flow regulated by Gunlock Reservoir. Several diversions upstream for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 5,850 ft$^3/_s$, flood of 1938 (exact date unknown), gage height, 7.90 ft (datum then in use) from slope area measurement.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,460 ft$^3/_s$ Mar. 12, 1995, gage height, 20.17 ft from rating curve extended above 1,300 ft$^3/_s$ on basis of slope-area measurement; no flow several days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 611 ft$^3/_s$ July 15, gage height, 14.40 ft; no flow Sept. 13-24 and 27-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	27	9.1	1.2	.51	48	13	15	14	11	13	13
2	8.2	4.5	9.1	1.1	.47	49	12	15	16	9.6	13	13
3	8.4	4.7	9.2	1.2	.45	49	13	15	15	10	13	13
4	8.3	2.9	10	1.2	.43	44	11	15	13	11	13	13
5	10	3.2	13	1.1	.44	32	6.1	16	13	10	13	16
6	12	3.3	13	1.0	.44	30	6.3	16	13	10	13	15
7	12	3.2	14	.97	.98	31	6.2	16	13	10	13	14
8	12	3.2	14	1.0	1.4	27	6.0	16	12	10	11	14
9	12	3.2	14	1.1	1.5	24	5.8	14	13	7.8	11	8.7
10	12	2.9	14	1.0	1.6	23	7.8	15	13	13	12	.35
11	12	2.7	15	.97	1.4	20	10	15	13	14	.90	e.09
12	11	2.9	14	1.0	.63	19	11	14	13	15	8.7	e.03
13	3.8	2.8	7.9	1.1	.52	22	13	13	13	14	11	.00
14	2.7	2.7	7.2	1.1	.50	22	14	13	13	14	13	.00
15	2.8	2.8	11	1.1	.46	19	14	13	13	24	14	.00
16	3.0	2.8	11	1.2	.45	15	15	13	13	28	14	.00
17	3.0	2.8	11	1.4	.43	13	14	13	13	20	15	.00
18	2.5	3.5	11	e1.1	.44	12	14	14	13	18	15	.00
19	.38	8.5	8.2	e.85	15	12	12	16	13	14	15	.00
20	.13	9.5	2.8	.64	17	12	12	16	13	13	15	.00
21	.09	9.4	2.2	.60	22	11	12	15	12	15	15	.00
22	e.06	8.9	1.9	.74	29	12	12	14	12	13	15	.00
23	.06	8.7	1.8	.57	30	14	12	14	12	9.9	15	.00
24	.07	8.6	1.8	.54	30	15	12	15	12	9.5	15	.00
25	.07	8.7	1.8	.54	33	15	14	16	12	9.1	13	.20
26	.07	8.5	1.8	.50	35	16	14	12	12	9.3	13	.02
27	10	8.5	1.8	.49	46	15	14	1.3	12	13	13	.00
28	14	8.6	1.8	.51	47	15	14	.53	13	13	13	.00
29	16	8.5	1.7	.49	49	15	15	.28	11	13	13	.00
30	11	9.0	1.4	.49	---	14	15	.14	11	13	e13	.00
31	3.2	---	1.3	.53	---	14	---	2.9	---	13	12	---
TOTAL	199.23	186.5	237.8	27.33	366.05	679	350.2	384.15	384	407.2	396.60	120.39
MEAN	6.43	6.22	7.67	.88	12.6	21.9	11.7	12.4	12.8	13.1	12.8	4.01
MAX	16	27	15	1.4	49	49	15	16	16	28	15	16
MIN	.06	2.7	1.3	.49	.43	11	5.8	.14	11	7.8	.90	.00
AC-FT	395	370	472	54	726	1350	695	762	762	808	787	239

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1996, BY WATER YEAR (WY)

MEAN	3.53	5.66	3.50	14.5	36.0	55.1	46.2	40.7	36.0	18.6	15.5	10.6
MAX	27.1	43.6	35.2	158	366	260	169	157	168	46.2	33.9	29.1
(WY)	1984	1984	1984	1980	1980	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1973 - 1996	
ANNUAL TOTAL	17894.82		3738.45			
ANNUAL MEAN	49.0		10.2		23.7	
HIGHEST ANNUAL MEAN					90.1	1980
LOWEST ANNUAL MEAN					3.76	1990
HIGHEST DAILY MEAN	1450	Mar 12	49	Feb 29	1530	Mar 3 1983
LOWEST DAILY MEAN	.06	Oct 22	.00	Sep 13	.00	Oct 8 1972
ANNUAL SEVEN-DAY MINIMUM	.08	Oct 20	.00	Sep 13	.00	Oct 8 1972
ANNUAL RUNOFF (AC-FT)	35490		7420		17180	
10 PERCENT EXCEEDS	86		16		53	
50 PERCENT EXCEEDS	20		12		12	
90 PERCENT EXCEEDS	.71		.45		.00	

e Estimated

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION.--Lat 37°04'31", long 113°35'32", in $SE^1/_4SW^1/_4NE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1950 to September 1956, November 1984 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since Jan. 27, 1993. Elevation of gage is 2,560 ft above sea level, 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 except those for estimated daily discharges and those for flows less than 2.0 $ft^3/_s$, which are poor. Flow regulated by reservoirs and many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,000 $ft^3/_s$ Mar. 12, 1995, gage height, 14.60 ft, from rating curve extended above 2,800 $ft^3/_s$. No flow at times in 1951, 1953, 1955-56, 1989, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 397 $ft^3/_s$ Nov. 1, gage height, 8.58 ft; minimum daily discharge, 0.8 $ft^3/_s$ July 28, 29, and Aug. 1, 3, 5, 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.5	31	9.7	5.8	6.9	22	5.0	3.9	1.8	1.4	e.80	1.9
2	e4.5	16	9.9	5.6	6.4	21	5.1	3.9	1.8	1.3	e1.0	2.1
3	e4.5	8.6	10	5.5	6.9	22	5.3	4.5	2.2	1.4	e.80	1.9
4	e4.5	8.6	10	5.5	4.9	24	5.5	3.3	1.8	1.3	e1.0	1.8
5	e4.9	8.1	9.2	5.6	5.3	17	5.5	3.0	1.9	1.3	e.80	1.7
6	5.0	7.2	10	5.4	5.0	15	5.1	3.0	1.8	1.3	e.80	2.6
7	4.7	7.0	11	5.5	4.7	11	5.1	2.7	1.7	1.4	1.9	2.3
8	5.0	6.0	12	5.1	4.7	11	5.2	2.7	1.8	1.5	1.6	2.6
9	4.4	5.8	12	5.2	5.1	8.5	4.9	2.4	1.6	2.5	e1.0	2.5
10	4.7	6.1	12	5.1	4.9	7.7	5.0	2.6	1.9	1.6	1.7	4.9
11	4.8	5.8	12	4.9	4.8	8.5	4.9	2.3	2.0	2.2	e1.5	4.4
12	4.3	5.0	12	5.0	4.7	8.8	6.1	2.9	1.9	1.7	1.7	3.2
13	4.4	5.3	12	4.8	4.7	11	8.6	2.9	1.8	1.9	1.5	2.8
14	3.9	5.2	12	4.2	4.5	13	5.0	2.4	1.6	1.5	e1.0	2.0
15	4.5	5.5	10	4.2	4.1	13	5.7	2.6	1.6	1.5	e1.0	2.2
16	5.5	5.1	12	4.3	4.0	11	6.2	2.7	1.5	38	e1.6	2.3
17	5.9	5.2	12	5.9	4.1	13	4.6	2.6	1.5	6.2	2.3	2.6
18	5.2	5.1	12	5.4	4.0	13	4.5	2.3	1.5	3.2	1.9	2.5
19	5.2	5.4	13	5.4	4.1	9.5	5.4	2.0	1.5	3.0	e1.4	2.3
20	4.5	7.0	10	5.2	4.6	9.2	4.8	2.2	1.4	2.9	e1.4	2.2
21	4.0	6.9	8.2	5.6	7.1	8.5	5.2	2.1	1.4	1.8	1.7	2.1
22	4.5	6.8	7.8	7.1	10	7.2	4.5	2.1	1.4	e1.0	e1.5	2.1
23	5.4	7.7	7.5	5.3	12	7.7	4.3	2.2	1.4	e1.0	1.3	2.1
24	5.6	9.5	7.3	5.3	13	9.3	4.5	2.9	1.4	e1.0	2.4	2.1
25	6.1	9.7	7.1	5.5	12	7.2	3.7	3.9	1.3	e1.0	2.3	2.1
26	5.6	9.6	6.9	5.5	12	6.8	4.0	5.0	1.4	e1.0	1.7	2.3
27	5.7	10	6.6	5.5	21	5.5	4.0	4.6	1.5	e1.0	e1.4	2.2
28	6.7	9.8	6.6	5.5	22	5.4	3.9	2.9	1.7	e.80	1.4	2.0
29	7.8	10	6.4	5.8	24	5.2	4.3	2.8	1.5	e.80	1.9	2.0
30	8.6	10	6.3	5.7	---	4.9	3.5	2.3	1.5	e1.0	1.9	2.0
31	6.4	---	6.1	5.9	---	4.8	---	2.2	---	1.5	1.9	---
TOTAL	160.3	249.0	299.6	166.3	231.5	341.7	149.4	89.9	49.1	89.00	46.10	71.8
MEAN	5.17	8.30	9.66	5.36	7.98	11.0	4.98	2.90	1.64	2.87	1.49	2.39
MAX	8.6	31	13	7.1	24	24	8.6	5.0	2.2	38	2.4	4.9
MIN	3.5	5.0	6.1	4.2	4.0	4.8	3.5	2.0	1.3	.80	.80	1.7
AC-FT	318	494	594	330	459	678	296	178	97	177	91	142

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-56,1986-96, BY WATER YEAR (WY)

MEAN	3.27	4.55	6.07	13.1	17.3	38.4	21.2	14.4	9.39	5.06	7.04	3.49
MAX	10.3	12.7	14.5	128	136	313	136	80.8	73.5	29.1	38.8	7.10
(WY)	1993	1953	1953	1993	1993	1995	1952	1993	1995	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951-56,1986-96	
ANNUAL TOTAL	19606.4		1943.70			
ANNUAL MEAN	53.7		5.31		12.2	
HIGHEST ANNUAL MEAN					56.0	1993
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	2910	Mar 12	38	Jul 16	2910	Mar 12 1995
LOWEST DAILY MEAN	1.5	Sep 29	.80	Jul 28	.00	Sep 21 1951
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 26	.94	Jul 23	.00	Aug 2 1956
ANNUAL RUNOFF (AC-FT)	38890		3860		8850	
10 PERCENT EXCEEDS	87		10		18	
50 PERCENT EXCEEDS	12		4.7		3.5	
90 PERCENT EXCEEDS	4.5		1.4		.40	

e Estimated

09413200 VIRGIN RIVER NEAR BLOOMINGTON, UT

LOCATION.--Lat 37°04'14", long 113°34'55", in $SE^1/_4NW^1/_4SW^1/_4$ 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, 0.2 mi upstream from I-15 bridge, and about 1.5 mi northeast of Bloomington.

DRAINAGE AREA.--3,994 mi^2.

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 sea level, from topographic map. Prior to Sept. 19, 1978 at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except those for flows less than 50 $ft^3/_s$, which are poor. Regulation and many diversions upstream from station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,000 $ft^3/_s$ (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 $ft^3/_s$ Sept. 5, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,080 $ft^3/_s$ Nov. 1, gage height, 9.45 ft from rating curve extended above 5,900 $ft^3/_s$ on basis of slope-area measurement of peak flow at gage height 10.76 ft; minimum daily discharge, 14 $ft^3/_s$ July 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	1400	234	164	198	218	103	63	e32	19	21	25
2	86	469	236	159	198	220	84	66	e27	24	22	27
3	88	221	229	155	203	216	98	61	e23	e20	18	26
4	71	192	207	160	197	216	105	54	e23	e18	20	22
5	74	177	153	162	195	199	100	45	e23	27	19	23
6	88	160	189	170	296	214	105	45	e20	23	19	25
7	111	144	203	176	294	164	112	46	19	22	19	38
8	102	141	211	173	222	151	115	58	24	20	19	28
9	100	148	208	163	200	137	73	46	25	e25	19	24
10	85	143	209	162	200	132	70	45	24	e20	16	34
11	78	135	215	154	198	151	73	51	16	e35	21	29
12	72	130	202	140	192	135	92	57	17	23	18	42
13	72	133	206	125	175	210	116	58	24	34	15	49
14	68	141	224	126	174	275	119	54	22	19	15	34
15	75	143	232	136	162	160	99	59	19	26	15	35
16	67	143	217	130	154	236	97	60	24	220	19	28
17	67	141	217	158	154	282	104	61	21	91	20	53
18	65	146	215	164	192	e80	110	61	16	32	19	38
19	67	143	223	142	179	e62	97	49	19	26	18	34
20	63	150	201	142	234	e62	88	50	e20	23	18	28
21	65	150	163	143	1530	72	72	54	e20	21	21	29
22	58	154	160	164	895	89	88	57	e20	68	21	26
23	72	194	161	168	342	243	75	77	20	49	23	30
24	80	218	159	163	244	267	95	62	24	19	19	27
25	84	222	158	169	241	239	71	76	31	14	168	28
26	95	224	162	164	253	149	60	100	27	16	52	36
27	110	229	166	162	260	158	61	118	20	22	26	33
28	134	235	168	159	229	183	70	79	19	31	21	32
29	150	246	168	166	235	180	76	63	22	159	22	35
30	162	241	164	176	---	131	67	48	21	39	20	34
31	144	---	162	196	---	120	---	e38	---	20	24	---
TOTAL	2738	6713	6022	4891	8246	5351	2695	1861	662	1205	787	952
MEAN	88.3	224	194	158	284	173	89.8	60.0	22.1	38.9	25.4	31.7
MAX	162	1400	236	196	1530	282	119	118	32	220	168	53
MIN	58	130	153	125	154	62	60	38	16	14	15	22
AC-FT	5430	13320	11940	9700	16360	10610	5350	3690	1310	2390	1560	1890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 1996, BY WATER YEAR (WY)

MEAN	124	169	184	248	331	442	467	532	199	89.6	102	93.6
MAX	322	286	350	695	1642	1124	1335	1838	1145	244	246	326
(WY)	1984	1984	1984	1989	1980	1995	1993	1983	1983	1984	1982	1980
MIN	44.4	51.4	71.5	64.7	56.1	48.8	47.2	29.5	22.1	20.5	25.1	31.7
(WY)	1991	1991	1991	1991	1991	1990	1990	1990	1996	1990	1991	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1978 - 1996	
ANNUAL TOTAL	146511		42123			
ANNUAL MEAN	401		115		248	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					61.0	1991
HIGHEST DAILY MEAN	4930	Mar 12	1530	Feb 21	13000	Jan 1 1989
LOWEST DAILY MEAN	49	Aug 8	14	Jul 25	9.5	Sep 5 1991
ANNUAL SEVEN-DAY MINIMUM	57	Sep 15	17	Aug 9	13	Aug 7 1990
ANNUAL RUNOFF (AC-FT)	290600		83550		179600	
10 PERCENT EXCEEDS	973		219		570	
50 PERCENT EXCEEDS	206		87		140	
90 PERCENT EXCEEDS	72		20		32	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in $NW^1/_4NE^1/_4SE^1/_4$ sec. 30, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on right bank immediately upstream from Beaver Dam Mountains Wilderness Area, 8.0 mi southwest of St. George.

DRAINAGE AREA.--4,123 mi^2.

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, crest-stage gage, and concrete control. Elevation of gage is 2,400 ft above sea level, from topographic map. October 1950 to December 1956, gage located about 400 ft downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges and those for flows greater than 1,200 $ft^3/_s$, which are poor. Flow regulated by reservoirs and many diversions for irrigation upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 55,000 $ft^3/_s$ (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 $ft^3/_s$ 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, 3,760 $ft^3/_s$, Nov.1, gage height, 8.92 ft, from rating table extended above 1,200 $ft^3/_s$ on basis of slope-area measurement at gage heights 6.84, 7.30, and 11.03 ft; minimum daily discharge 12 $ft^3/_s$ July 4, 8, 15 and Aug. 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	1090	239	149	192	e220	94	50	33	e13	e16	28
2	87	e600	235	148	203	e220	75	52	28	e14	e18	31
3	93	e220	246	146	193	e215	85	53	24	e13	e15	29
4	79	e195	231	147	188	e215	91	46	24	e12	e15	24
5	72	e175	142	142	194	e200	89	31	24	e14	e15	23
6	83	e160	182	164	286	e215	90	32	21	e13	e15	31
7	110	e140	203	163	264	e165	101	33	18	e13	e15	41
8	117	e140	216	168	254	e150	112	46	21	e12	e14	41
9	111	e145	209	156	213	e135	71	37	22	e24	e14	27
10	90	e140	e220	150	181	e130	62	31	23	17	e12	30
11	82	e130	e225	148	187	e150	62	38	20	34	e16	49
12	72	e130	208	136	188	e135	81	41	17	17	e15	52
13	73	e130	195	122	173	e220	100	52	22	25	14	64
14	63	e140	219	112	170	e290	114	49	24	15	14	57
15	71	e140	246	128	163	e170	91	50	20	12	14	42
16	67	e140	203	119	153	e250	82	55	25	214	18	43
17	64	e140	199	143	153	e290	93	50	21	e100	23	55
18	62	e145	200	162	180	121	93	58	19	e35	21	63
19	66	e140	231	129	172	62	96	38	18	e28	18	48
20	61	e150	210	129	168	63	81	41	20	21	19	e34
21	58	e150	151	131	1420	77	57	52	18	20	24	e36
22	58	e150	157	154	1240	71	72	49	21	58	23	e32
23	59	e190	146	167	583	202	66	68	17	e45	25	43
24	82	e220	148	156	312	251	75	53	22	e20	26	40
25	75	e220	149	158	e240	e240	67	71	31	e15	182	36
26	97	e230	153	160	e250	143	51	86	25	e15	79	46
27	111	e230	158	146	e260	149	48	128	24	e20	37	47
28	135	e240	168	143	e230	160	60	86	19	e30	26	e36
29	154	e250	158	151	e235	181	61	56	21	165	22	e40
30	154	e240	151	173	---	e135	59	34	18	59	22	e40
31	142	---	146	173	---	109	---	40	---	25	24	---
TOTAL	2733	6510	5944	4573	8645	5334	2379	1606	660	1118	811	1208
MEAN	88.2	217	192	148	298	172	79.3	51.8	22.0	36.1	26.2	40.3
MAX	154	1090	246	173	1420	290	114	128	33	214	182	64
MIN	58	130	142	112	153	62	48	31	17	12	12	23
AC-FT	5420	12910	11790	9070	17150	10580	4720	3190	1310	2220	1610	2400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1996, BY WATER YEAR (WY)

MEAN	76.1	129	166	205	250	355	383	383	104	62.9	120	51.3
MAX	171	217	287	519	869	1232	1312	1300	543	127	522	157
(WY)	1995	1996	1994	1993	1993	1995	1952	1993	1995	1995	1955	1995
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1951 - 1996	
ANNUAL TOTAL	145360		41521			
ANNUAL MEAN	398		113		192	
HIGHEST ANNUAL MEAN					472	1993
LOWEST ANNUAL MEAN					73.7	1956
HIGHEST DAILY MEAN	5020	Mar 12	1420	Feb 21	5490	Aug 25 1955
LOWEST DAILY MEAN	31	Aug 8	12	Jul 4	.00	Apr 17 1951
ANNUAL SEVEN-DAY MINIMUM	43	Aug 5	13	Jul 2	.00	May 29 1951
ANNUAL RUNOFF (AC-FT)	288300		82360		138900	
10 PERCENT EXCEEDS	973		220		405	
50 PERCENT EXCEEDS	208		82		98	
90 PERCENT EXCEEDS	65		18		.00	

e Estimated

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,760 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records fair except for discharges less than 2.0 ft^3/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft^3/s Mar. 11, 1995, gage height, 10.14 ft from floodmarks, from rating curve extended above 230 ft^3/s on basis of slope-area measurement at gage height 9.56 ft. No flow Aug. 8, 10, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 25	1100	*14	*4.02				

Minimum daily discharge, 0.10 ft^3/s July 6, 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.5	4.4	3.7	4.1	4.1	3.4	3.3	1.6	.18	.14	.36
2	2.0	3.5	4.1	3.7	4.1	4.1	3.5	3.1	1.4	.21	.13	.35
3	2.0	3.5	4.0	3.7	4.1	4.3	3.4	3.0	1.1	.16	.14	.32
4	1.6	3.5	3.7	3.7	4.1	4.2	3.4	3.0	1.6	.12	.14	.30
5	1.0	3.3	3.7	3.7	4.0	4.5	3.3	2.5	1.5	.11	.14	.30
6	1.6	3.3	3.7	3.7	3.9	5.3	3.3	2.6	1.3	.10	.12	.34
7	2.1	3.5	3.7	3.7	3.9	5.1	3.3	2.6	1.2	.10	.11	.37
8	1.8	3.5	3.7	3.7	4.0	4.7	2.5	2.5	.93	.13	.11	.45
9	1.6	3.5	3.7	3.8	4.1	4.5	3.2	2.5	.59	.20	.12	.50
10	1.6	3.3	3.7	3.7	4.1	3.8	3.4	2.4	.55	.27	.11	.55
11	2.0	3.6	3.7	3.7	4.1	3.7	3.7	2.4	.72	.34	.11	.59
12	2.2	3.8	3.7	3.7	4.1	3.7	3.5	2.5	.59	.38	.11	.63
13	2.2	3.5	4.3	3.7	4.1	4.6	3.8	2.0	.41	.36	.12	.74
14	2.2	3.6	5.7	3.7	4.1	5.0	3.4	2.2	.38	.25	.12	.80
15	2.3	3.7	4.7	3.7	4.1	4.8	3.5	2.2	.38	.43	.13	.71
16	2.3	3.7	4.4	3.7	4.1	4.7	3.2	2.1	.44	.54	.16	.65
17	2.2	3.7	4.1	4.2	4.1	4.3	3.4	2.0	.50	.63	.20	.75
18	2.2	3.3	3.9	3.7	4.1	4.1	3.5	2.1	.40	.53	.19	.87
19	2.2	2.8	3.9	3.8	4.1	3.8	3.9	1.9	.38	.40	.19	.93
20	2.2	3.1	3.9	3.9	5.1	3.8	4.2	1.6	.40	.27	.17	.90
21	2.2	3.2	3.9	3.9	8.3	3.7	3.7	1.7	.40	.18	.20	.97
22	2.4	3.4	3.9	4.1	9.3	3.7	3.8	1.7	.29	.19	.20	.93
23	2.5	3.7	3.9	4.1	6.0	3.7	4.0	1.8	.27	.15	.23	.75
24	2.8	3.6	3.9	3.9	4.7	3.7	3.9	1.9	.30	.13	.29	.65
25	3.2	3.8	3.9	3.9	4.3	3.7	3.7	1.5	.33	.11	.32	.83
26	3.4	5.5	3.9	3.9	4.7	3.5	3.7	1.9	.35	.11	.33	.90
27	3.6	5.3	3.9	3.9	4.2	3.5	3.8	1.5	.34	.11	.34	.90
28	3.1	4.7	3.8	3.9	3.9	3.5	3.0	1.6	.32	.12	.38	.69
29	3.1	4.7	3.7	3.9	4.1	3.8	2.9	1.8	.26	.12	.41	.45
30	3.5	4.5	3.7	3.9	---	3.6	3.0	1.9	.15	.12	.39	.64
31	3.5	---	3.7	4.0	---	3.4	---	1.8	---	.13	.38	---
TOTAL	72.4	111.6	122.9	118.3	131.9	126.9	104.3	67.6	19.38	7.18	6.23	19.12
MEAN	2.34	3.72	3.96	3.82	4.55	4.09	3.48	2.18	.65	.23	.20	.64
MAX	3.6	5.5	5.7	4.2	9.3	5.3	4.2	3.3	1.6	.63	.41	.97
MIN	1.0	2.8	3.7	3.7	3.9	3.4	2.5	1.5	.15	.10	.11	.30
AC-FT	144	221	244	235	262	252	207	134	38	14	12	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	2.36	3.46	4.69	18.3	39.8	55.4	14.9	5.86	2.72	1.06	.98	1.08
MAX	3.12	4.33	9.59	55.2	115	128	30.6	9.75	5.44	2.54	1.43	1.55
(WY)	1995	1995	1995	1993	1993	1993	1993	1995	1995	1995	1992	1992
MIN	1.90	2.71	2.43	3.61	4.55	4.09	3.48	2.18	.65	.23	.20	.64
(WY)	1993	1992	1992	1994	1996	1996	1996	1996	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	5799.60		907.81			
ANNUAL MEAN	15.9		2.48		12.4	
HIGHEST ANNUAL MEAN					29.0	1993
LOWEST ANNUAL MEAN					2.48	1996
HIGHEST DAILY MEAN	600	Mar 11	9.3	Feb 22	939	Feb 20 1993
LOWEST DAILY MEAN	.30	Aug 28	.10	Jul 6	.00	Aug 8 1994
ANNUAL SEVEN-DAY MINIMUM	.48	Aug 26	.11	Aug 6	.05	Aug 7 1994
ANNUAL RUNOFF (AC-FT)	11500		1800		9010	
10 PERCENT EXCEEDS	28		4.1		21	
50 PERCENT EXCEEDS	4.3		3.1		3.5	
90 PERCENT EXCEEDS	1.1		.19		.60	

09414900 BEAVER DAM WASH AT BEAVER DAM, AZ

LOCATION.--Lat 36°54'07", long 113°55'58", in $NW^1/_4NE^1/_4NE^1/_4$ sec. 5, T. 40 N., R. 15 W., Mojave County, Hydrologic Unit 15010010, Bureau of Land Management, on upstream end of bridge pier at Beaver Dam, AZ.

DRAINAGE AREA.--575 mi^2.

PERIOD OF RECORD.--February 1993 to September 1994, October 1995 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,850 ft above sea level, from bench mark on bridge.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,940 $ft^3/_s$ Feb. 10, 1993, gage height, 7.14 ft, from rating curve extended above 2,220 $ft^3/_s$; minimum daily discharge 0.76 $ft^3/_s$ Sept. 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.9 $ft^3/_s$ Feb. 11, gage height, 5.43 ft; minimum daily discharge 2.1 $ft^3/_s$ June 12-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	e2.6	3.2	3.2	3.2	2.9	2.7	2.7	2.3	2.3	2.2	2.2
2	2.5	e2.6	3.2	3.3	3.1	2.9	2.7	2.7	2.3	2.3	2.3	2.2
3	2.5	e2.6	3.2	3.3	3.1	2.9	2.7	2.6	2.3	2.3	2.2	2.2
4	2.4	e2.6	3.1	3.2	3.1	2.9	2.7	2.6	2.3	2.3	2.3	2.3
5	2.4	e2.7	3.1	3.2	3.1	e2.9	2.8	2.5	2.3	2.3	2.2	2.3
6	2.5	e2.8	3.1	3.2	3.2	2.8	2.9	2.5	2.3	2.3	2.2	2.3
7	2.5	e2.8	3.1	3.1	3.3	2.8	2.8	2.5	2.3	2.3	2.2	2.4
8	2.5	e2.8	3.2	3.3	3.2	2.8	2.7	2.5	2.3	2.4	2.3	2.4
9	2.5	e2.8	3.2	3.3	3.3	2.9	2.7	2.6	2.2	2.4	2.3	2.4
10	2.5	e2.8	3.2	3.3	3.4	2.9	2.7	2.6	2.2	2.3	2.2	2.4
11	2.5	e2.8	3.3	3.3	3.6	2.9	2.7	2.6	2.2	2.3	2.2	2.4
12	2.5	e2.8	3.2	3.3	e3.4	2.9	2.7	2.6	2.1	2.3	2.2	2.5
13	2.5	e2.8	3.3	3.3	e3.4	3.0	2.7	2.6	2.1	2.3	2.3	2.5
14	2.5	e2.8	3.3	3.3	e3.4	e2.9	2.7	2.6	2.1	2.3	2.2	2.5
15	2.5	e2.8	3.3	3.3	e3.3	e3.0	2.7	2.7	2.1	2.4	2.2	2.5
16	2.5	e2.8	3.3	3.3	e3.3	3.1	2.7	2.7	2.2	2.5	2.2	2.5
17	2.5	e2.8	3.3	3.3	e3.3	3.1	2.7	2.7	2.2	2.3	2.3	2.5
18	2.5	e2.8	3.3	3.2	e3.3	e3.0	2.7	2.7	2.3	2.3	2.3	2.4
19	2.5	e3.0	3.3	3.2	e3.3	e3.0	2.6	2.7	2.2	2.2	2.3	2.4
20	2.5	e3.1	3.3	3.1	e3.3	3.0	2.7	2.7	2.2	2.2	2.3	2.4
21	2.5	e3.1	3.3	3.1	3.3	3.0	2.6	2.7	2.2	2.2	2.3	2.4
22	2.5	e3.1	3.3	3.1	3.1	3.0	2.6	2.7	2.2	2.2	2.3	2.4
23	2.5	3.0	3.3	3.0	3.0	3.0	e2.6	2.7	2.2	2.2	2.4	2.4
24	e2.5	3.1	3.3	3.1	3.1	2.9	e2.6	2.8	2.2	2.2	2.5	2.4
25	e2.5	3.1	3.2	3.1	3.1	2.7	e2.6	2.8	2.2	2.2	2.5	2.5
26	e2.5	3.1	3.2	3.1	3.2	2.7	e2.6	2.6	2.3	2.2	2.4	2.4
27	e2.5	3.1	3.2	3.0	3.1	2.7	2.6	2.5	2.3	2.3	2.2	2.4
28	e2.5	3.2	3.2	3.1	e3.1	2.7	2.6	2.5	2.4	2.3	2.2	2.4
29	e2.5	3.2	3.2	3.1	3.0	2.8	2.6	2.4	2.3	2.3	2.2	2.5
30	e2.5	3.2	3.2	3.1	---	2.7	2.7	2.4	2.3	2.2	2.3	2.5
31	e2.6	---	3.2	3.1	---	2.7	---	2.4	---	2.2	2.2	---
TOTAL	77.4	86.8	100.1	98.9	93.6	89.5	80.4	80.9	67.1	70.8	70.4	72.0
MEAN	2.50	2.89	3.23	3.19	3.23	2.89	2.68	2.61	2.24	2.28	2.27	2.40
MAX	2.6	3.2	3.3	3.3	3.6	3.1	2.9	2.8	2.4	2.5	2.5	2.5
MIN	2.4	2.6	3.1	3.0	3.0	2.7	2.6	2.4	2.1	2.2	2.2	2.2
AC-FT	154	172	199	196	186	178	159	160	133	140	140	143

WTR YR 1996 TOTAL 987.9 MEAN 2.70 MAX 3.6 MIN 2.1 AC-FT 1960

e Estimated

GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION (REVISED).--Lat 40°43'53", long 112°12'46", in $NE^1/_4SW^1/_4NW^1/_4$ 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. WDR-UT-95-1; 1984-94.

GAGE.--Water-stage recorder at Boat Harbor since October 1938. Datum at gage since September 15, 1970 is 4,186.80 ft above sea level. 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 above sea level, November 1877 to November 1879 at Farmington Bay at 4,206.9 ft above sea level, November 1879 to April 1881 near Black Rock at 4,203.1 ft above sea level, April 1881 to December 1899 at Garfield Landing at 4,198.5 ft above sea level, October 1902 to July 1903, at Midlake on Lucin cutoff of Southern Pacific Railroad, 30 mi west of Ogden, at 4,197.9 ft above sea level, and July 1903 to October 1938 at Saltair at 4,196.9 ft above sea level.

REMARKS.--Wind effects may cause substantial changes in hourly elevations, which are shown in the published mean daily elevations after October 1989. Samples for specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 4,211.60 ft June 3, 1986, Apr. 1, 15, 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. 16, 1995	17.5	1.097	14.1	
Nov. 20	12.0	1.094	13.7	
Jan. 18, 1996	1.5	1.095	13.8	
Feb. 20	6.5	1.084	12.3	
Mar. 22	13.5	1.085	12.4	
Apr. 25	13.0	1.085	12.4	
May 28	15.5	1.083	12.2	
July 3	26.0	1.087	12.6	
Aug. 1	27.0	1.089	13.0	

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.0	4198.9	4198.9	4199.1	4199.4	4199.8	4200.3	4200.7	4200.7	4200.5	4199.9	4199.3
2	4199.1	4198.8	4198.9	4199.1	4199.4	4199.9	4200.4	4200.7	4200.8	4200.4	4199.9	4199.3
3	4199.1	4198.8	4198.9	4199.1	4199.4	4199.9	4200.4	4200.7	4200.8	4200.4	4200.0	4199.2
4	4199.3	4198.8	4198.9	4199.1	4199.4	4199.8	4200.5	4200.7	4200.8	4200.4	4199.9	4199.1
5	4199.0	4198.8	4199.0	4199.1	4199.5	4199.9	4200.4	4200.7	4200.8	4200.4	4199.8	4199.2
6	4199.0	4198.8	4198.9	4199.1	4199.5	4200.0	4200.4	4200.7	4200.8	4200.5	4199.8	4199.2
7	4199.0	4198.8	4199.0	4199.1	4199.5	4199.9	4200.4	4200.7	4200.8	4200.4	4199.7	4199.1
8	4199.0	4198.8	4198.9	4199.1	4199.5	4200.0	4200.4	4200.7	4200.8	4200.3	4199.7	4199.1
9	4199.0	4198.9	4198.9	4199.1	4199.5	4200.0	4200.4	4200.7	4200.8	4200.3	4199.7	4199.1
10	4199.0	4198.9	4198.9	4199.2	4199.5	4200.0	4200.5	4200.6	4200.8	4200.3	4199.7	4199.1
11	4198.9	4198.8	4198.9	4199.1	4199.5	4200.1	4200.5	4200.6	4200.8	4200.3	4199.7	4199.1
12	4199.0	4198.8	4198.8	4199.2	4199.5	4200.1	4200.5	4200.6	4200.8	4200.3	4199.7	4199.0
13	4199.0	4198.8	4198.9	4199.2	4199.6	4200.1	4200.6	4200.6	4200.8	4200.3	4199.6	4198.9
14	4198.9	4198.8	4198.9	4199.2	4199.6	4200.1	4200.4	4200.7	4200.8	4200.2	4199.7	4199.0
15	4198.9	4198.9	4199.0	4199.2	4199.6	4200.1	4200.4	4200.7	4200.8	4200.2	4199.6	4199.0
16	4198.9	4198.9	4199.1	4199.2	4199.6	4200.2	4200.4	4200.5	4200.7	4200.2	4199.6	4199.1
17	4198.9	4198.9	4199.1	4199.5	4199.6	4200.2	4200.4	4200.7	4200.7	4200.2	4199.5	4199.0
18	4199.0	4198.9	4199.0	4199.2	4199.6	4200.2	4200.6	4200.7	4200.8	4200.2	4199.6	4199.0
19	4199.0	4198.9	4199.0	4199.3	4199.6	4200.2	4200.5	4200.7	4200.8	4200.2	4199.5	4199.0
20	4198.9	4198.9	4199.0	4199.2	4199.6	4200.2	4200.6	4200.7	4200.7	4200.2	4199.5	4199.0
21	4199.0	4198.9	4199.0	4199.3	4199.6	4200.2	4200.6	4200.7	4200.7	4200.1	4199.5	4199.0
22	4198.9	4198.9	4199.0	4199.4	4199.8	4200.2	4200.6	4200.8	4200.7	4200.1	4199.5	4199.0
23	4198.8	4198.9	4199.0	4199.2	4199.7	4200.3	4200.6	4200.7	4200.6	4200.1	4199.4	4199.0
24	4198.8	4198.9	4199.0	4199.2	4199.8	4200.3	4200.7	4200.7	4200.6	4200.1	4199.4	4198.9
25	4198.8	4198.9	4199.0	4199.4	4199.8	4200.3	4200.6	4200.7	4200.6	4200.1	4199.4	4199.0
26	4198.9	4199.1	4199.0	4199.3	4200.0	4200.3	4200.6	4200.6	4200.4	4200.0	4199.3	4199.0
27	4198.8	4198.9	4199.0	4199.3	4199.8	4200.3	4200.8	4200.6	4200.6	4200.0	4199.4	4198.9
28	4198.9	4198.8	4199.0	4199.4	4199.8	4200.3	4200.7	4200.7	4200.5	4200.0	4199.4	4198.9
29	4198.9	4198.9	4199.0	4199.3	4199.9	4200.4	4200.6	4200.7	4200.5	4200.0	4199.3	4198.9
30	4198.9	4198.9	4199.0	4199.4	---	4200.3	4200.6	4200.7	4200.5	4200.0	4199.3	4198.9
31	4198.9	---	4199.2	4199.4	---	4200.3	---	4200.7	---	4200.0	4199.3	---
MEAN	4199.0	4198.9	4199.0	4199.2	4199.6	4200.1	4200.5	4200.7	4200.7	4200.2	4199.6	4199.0
MAX	4199.3	4199.1	4199.2	4199.5	4200.0	4200.4	4200.8	4200.8	4200.8	4200.5	4200.0	4199.3
MIN	4198.8	4198.8	4198.8	4199.1	4199.4	4199.8	4200.3	4200.5	4200.4	4200.0	4199.3	4198.9

WTR YR 1996 MEAN 4199.7 MAX 4200.8 MIN 4198.8

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION (Revised).--Lat 41°15'19", long 112°29'46", in $NE^1/_4NE^1/_4NW^1/_4$ 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. WDR UT-96-1: 1990-95, gage datum.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage since August 1, 1996 is 4,186.80 ft above sea level. April 1966 to August 1, 1996 at datum 4,189.80 ft. above sea level.

REMARKS.--Wind effects may cause substantial changes in hourly elevations, which are shown in the published mean daily elevations after October 1989. 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.. 26, 1995 . . . 13.0	--	--	
Nov. 20 . . . . . 12.0	1.168	22.9	
Feb. 20, 1996 . . . 5.0	1.214	28.0	
Mar. 22 . . . . . 13.0	1.171	23.1	
Apr. 25 . . . . . 11.0	1.200	26.5	
July 03 . . . . . 24.5	1.221	28.8	
Aug. 01 . . . . . 27.0	1.210	27.6	

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4203.8	4203.5	4203.5	4203.5	4203.6	4203.5	4203.7	4203.6	4203.3	4203.0	4202.5	4201.9
2	4203.8	4203.4	4203.5	4203.5	4203.6	4203.7	4203.7	4203.6	4203.3	4203.1	4202.4	4201.8
3	4203.8	4203.4	4203.5	4203.5	4203.6	4203.6	4203.6	4203.7	4203.3	4203.1	4202.4	4201.9
4	4203.7	4203.5	4203.5	4203.4	4203.6	4203.7	4203.6	4203.5	4203.4	4202.9	4202.4	4201.9
5	4203.7	4203.5	4203.5	4203.5	4203.6	4203.8	4203.6	4203.5	4203.3	4202.9	4202.4	4201.9
6	4203.7	4203.4	4203.5	4203.4	4203.6	4203.8	4203.6	4203.5	4203.3	4203.0	4202.4	4201.9
7	4203.7	4203.5	4203.5	4203.5	4203.6	4203.6	4203.6	4203.6	4203.3	4202.9	4202.4	4201.9
8	4203.6	4203.4	4203.5	4203.5	4203.6	4203.7	4203.6	4203.5	4203.3	4202.8	4202.3	4201.9
9	4203.6	4203.4	4203.5	4203.5	4203.6	4203.7	4203.7	4203.4	4203.3	4202.9	4202.3	4201.9
10	4203.6	4203.4	4203.5	4203.5	4203.6	4203.6	4203.7	4203.5	4203.3	4202.9	4202.3	4201.8
11	4203.6	4203.4	4203.5	4203.5	4203.6	4203.7	4203.7	4203.5	4203.3	4202.9	4202.4	4201.8
12	4203.6	4203.5	4203.5	4203.5	4203.7	4203.7	4203.7	4203.4	4203.4	4202.8	4202.3	4201.8
13	4203.6	4203.4	4203.5	4203.5	4203.7	4203.7	4203.6	4203.4	4203.2	4202.8	4202.3	4201.8
14	4203.7	4203.6	4203.4	4203.5	4203.8	4203.7	4203.6	4203.5	4203.3	4202.8	4202.3	4201.8
15	4203.7	4203.4	4203.5	4203.5	4203.5	4203.7	4203.7	4203.4	4203.2	4202.8	4202.2	4201.7
16	4203.6	4203.4	4203.5	4203.6	4203.4	4203.7	4203.6	4203.4	4203.1	4202.8	4202.2	4201.8
17	4203.6	4203.4	4203.5	4203.6	4203.5	4203.7	4203.6	4203.4	4203.1	4202.8	4202.2	4201.8
18	4203.6	4203.4	4203.5	4203.6	4203.6	4203.7	4203.6	4203.4	4203.2	4202.7	4202.2	4201.7
19	4203.6	4203.4	4203.4	4203.6	4203.6	4203.7	4203.6	4203.4	4203.1	4202.7	4202.2	4201.6
20	4203.5	4203.4	4203.5	4203.6	4203.5	4203.7	4203.6	4203.4	4203.1	4202.7	4202.0	4201.7
21	4203.5	4203.4	4203.4	4203.6	4203.5	4203.7	4203.6	4203.4	4203.1	4202.7	4202.1	4201.6
22	4203.5	4203.4	4203.5	4203.6	4203.5	4203.7	4203.6	4203.4	4203.1	4202.6	4202.1	4201.6
23	4203.5	4203.4	4203.5	4203.7	4203.5	4203.8	4203.7	4203.3	4203.1	4202.6	4202.1	4201.6
24	4203.6	4203.4	4203.5	4203.6	4203.5	4203.7	4203.8	4203.5	4203.1	4202.5	4202.1	4201.6
25	4203.6	4203.5	4203.5	4203.6	4203.5	4203.7	4203.7	4203.3	4203.1	4202.7	4202.0	4201.6
26	4203.6	4203.7	4203.5	4203.7	4203.5	4203.7	4203.8	4203.3	4203.1	4202.6	4202.0	4201.5
27	4203.5	4203.5	4203.5	4203.6	4203.5	4203.8	4203.6	4203.3	4203.1	4202.5	4202.0	4201.5
28	4203.7	4203.4	4203.5	4203.6	4203.5	4203.8	4203.8	4203.3	4203.1	4202.6	4202.0	4201.5
29	4203.5	4203.4	4203.5	4203.6	---	4203.7	4203.6	4203.3	4203.1	4202.5	4202.0	4201.6
30	4203.5	4203.5	4203.5	4203.6	---	4203.7	4203.6	4203.3	4203.0	4202.5	4202.0	4201.5
31	4203.5	---	4203.5	4203.5	---	4203.7	---	4203.4	---	4202.5	4202.0	---
MEAN	4203.6	4203.4	4203.5	4203.5	4203.6	4203.7	4203.6	4203.4	4203.2	4202.8	4202.2	4201.7
MAX	4203.8	4203.7	4203.5	4203.7	4203.8	4203.8	4203.8	4203.7	4203.4	4203.1	4202.5	4201.9
MIN	4203.5	4203.4	4203.4	4203.4	4203.4	4203.5	4203.6	4203.3	4203.0	4202.5	4202.0	4201.5

WTR YR 1990 MEAN 4203.2 MAX 4203.8 MIN 4201.5

GREAT SALT LAKE BASIN

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.5	4201.3	4201.1	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4201.0	4200.6	4200.2
2	4201.7	4201.4	4201.2	e4201.0	e4201.1	e4201.4	e4201.3	4201.4	4201.2	4201.0	4200.6	4200.1
3	4201.5	4201.2	4201.0	e4201.0	e4201.1	e4201.4	e4201.2	4201.3	4201.2	4201.0	4200.5	4200.1
4	4201.5	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.3	4201.4	4201.2	4200.9	4200.5	4200.1
5	4201.5	4201.2	4201.1	e4201.0	e4201.1	e4201.4	e4201.2	4201.3	4201.5	4201.0	4200.5	4200.1
6	4201.6	4201.2	4201.0	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4200.9	4200.4	4200.1
7	4201.5	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4200.9	4200.4	4200.1
8	4201.4	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.2	4201.3	4201.3	4200.9	4200.4	4200.0
9	4201.3	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.2	4201.6	4201.3	4200.9	4200.4	4200.1
10	4201.3	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.4	4201.4	4201.3	4200.9	4200.4	4200.1
11	4201.4	4201.1	4201.0	e4201.0	e4201.1	e4201.4	e4201.5	4201.4	4201.2	4200.9	4200.4	4200.1
12	4201.3	4201.1	4201.0	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4200.9	4200.3	4200.1
13	4201.4	4201.1	e4201.0	e4201.0	e4201.1	e4201.3	4201.3	4201.4	4201.3	4200.9	4200.3	4200.0
14	4201.3	4201.1	e4201.0	e4201.1	e4201.1	e4201.3	4201.2	4201.5	4201.3	4200.8	4200.4	4200.1
15	4201.3	4201.2	e4201.0	e4201.1	e4201.1	e4201.3	4201.3	4201.4	4201.2	4200.8	4200.3	4200.0
16	4201.4	4201.1	e4201.0	e4201.1	e4201.2	e4201.3	4201.3	4201.3	4201.2	4200.8	4200.3	4200.0
17	4201.3	4201.1	e4201.0	e4201.1	e4201.2	e4201.3	4201.3	4201.3	4201.2	4200.8	4200.3	4200.0
18	4201.2	4201.1	e4201.0	e4201.1	e4201.2	e4201.3	4201.3	4201.3	4201.2	4200.8	4200.3	4200.0
19	4201.3	4201.1	e4201.0	e4201.2	e4201.2	e4201.3	4201.3	4201.3	4201.1	4200.8	4200.2	4200.0
20	4201.3	4201.2	e4201.1	e4201.1	e4201.2	e4201.3	4201.3	4201.4	4201.2	4200.8	4200.3	4199.9
21	4201.2	4201.1	e4201.0	e4201.1	e4201.2	e4201.3	4201.3	4201.4	4201.2	4200.8	4200.2	4200.0
22	4201.2	4201.1	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.4	4201.1	4200.7	4200.2	4199.9
23	4201.2	4201.1	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4201.1	4200.7	4200.2	4199.9
24	4201.2	4201.1	e4201.0	e4201.1	e4201.3	e4201.3	4201.3	4201.3	4201.1	4200.7	4200.0	4199.9
25	4201.2	4201.1	e4201.0	e4201.1	e4201.3	e4201.2	4201.4	4201.3	4201.2	4200.7	4200.1	4199.9
26	4201.2	4201.3	e4201.0	e4201.1	e4201.3	e4201.3	4201.4	4201.4	4201.1	4200.6	4200.1	4199.9
27	4201.2	4201.1	e4201.0	e4201.1	e4201.3	e4201.2	4201.4	4201.4	4201.0	4200.6	4200.0	4199.9
28	4201.2	4201.1	e4201.0	e4201.2	e4201.3	e4201.3	4201.3	4201.3	4201.0	4200.6	4200.2	4199.8
29	4201.2	4201.0	e4201.1	e4201.2	---	e4201.4	4201.4	4201.3	4201.1	4200.6	4200.2	4199.9
30	4201.2	4201.1	e4201.0	e4201.1	---	e4201.3	4201.3	4201.3	4201.0	4200.6	4200.2	4199.8
31	4201.2	---	e4201.0	e4201.1	---	e4201.3	---	4201.4	---	4200.6	4200.2	---
MEAN	4201.3	4201.1	4201.0	4201.1	4201.2	4201.3	4201.3	4201.4	4201.2	4200.8	4200.3	4200.0
MAX	4201.7	4201.4	4201.2	4201.2	4201.3	4201.4	4201.5	4201.6	4201.5	4201.0	4200.6	4200.2
MIN	4201.2	4201.0	4201.0	4201.0	4201.1	4201.2	4201.2	4201.3	4201.0	4200.6	4200.0	4199.8

WTR YR 1991 MEAN 4201.0 MAX 4201.7 MIN 4199.8

e Estimated

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	4199.8	4199.6	4199.5	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.2	4198.8	4198.3	4197.8
2	4199.8	4199.6	4199.5	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.3	4198.8	4198.3	4197.8
3	4199.9	4199.5	4199.5	4199.5	4199.6	4199.7	4199.8	4199.6	e4199.2	4198.8	4198.3	4197.8
4	4199.8	4199.5	4199.5	4199.5	4199.5	4199.8	4199.8	4199.6	4199.2	4198.8	4198.3	4197.9
5	4199.8	4199.5	4199.5	4199.5	4199.6	4199.7	4199.9	4199.6	4199.3	4198.8	4198.3	4197.8
6	4199.8	4199.5	4199.5	4199.5	4199.6	4199.7	4199.8	4199.6	4199.2	4198.8	4198.2	4197.9
7	4199.8	4199.5	4199.5	4199.5	4199.6	4199.8	4199.8	4199.6	4199.2	4198.7	4198.2	4197.8
8	4199.8	4199.5	4199.5	4199.6	4199.5	4199.9	4199.7	4199.6	4199.2	4198.7	4198.2	4197.7
9	4199.8	4199.5	4199.5	4199.5	4199.6	4199.8	4199.8	4199.7	4199.1	4198.7	4198.2	4197.7
10	4199.7	4199.6	4199.5	4199.5	4199.5	4199.8	4199.8	4199.5	4199.1	4198.7	4198.2	4197.7
11	4199.7	4199.6	4199.5	4199.6	4199.5	4199.8	4199.8	4199.6	4199.1	4198.7	4198.2	4197.7
12	4199.7	4199.6	4199.5	4199.6	4199.5	4199.8	4199.7	4199.6	4199.1	4198.7	4198.2	4197.7
13	4199.7	4199.6	4199.5	4199.5	4199.6	4199.8	4199.8	4199.5	4199.1	4198.6	4198.2	4197.7
14	4199.7	4199.8	4199.5	4199.5	4199.6	4199.8	4199.8	4199.5	4199.0	4198.6	4198.1	4197.7
15	4199.7	4199.6	4199.5	4199.5	4199.5	4199.8	4199.8	e4199.4	4199.1	4198.6	4198.2	4197.7
16	4199.7	4199.6	4199.5	4199.5	4199.6	4199.8	4199.7	e4199.4	4199.2	4198.6	4198.1	4197.7
17	4199.7	4199.5	4199.5	4199.6	4199.6	4199.8	4199.9	e4199.4	4199.0	4198.6	4198.1	4197.6
18	4199.7	4199.6	4199.5	4199.5	4199.6	4199.8	4199.8	e4199.4	4199.0	4198.6	4198.1	4197.7
19	4199.7	4199.6	4199.6	4199.5	4199.6	4199.8	4199.8	e4199.3	4199.1	4198.6	4198.1	4197.6
20	4199.7	4199.5	4199.5	4199.5	4199.6	4199.7	4199.7	e4199.3	4199.0	4198.6	4198.0	4197.6
21	4199.6	4199.6	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.4	4199.0	4198.6	4198.0	4197.6
22	4199.6	4199.6	4199.5	4199.5	4199.7	4199.7	4199.7	e4199.4	4198.9	4198.5	4198.1	4197.6
23	4199.7	4199.5	4199.5	4199.5	4199.8	4199.8	4199.7	e4199.4	4198.9	4198.6	4198.0	4197.6
24	4199.6	4199.5	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.3	4198.8	4198.6	4198.0	4197.7
25	4199.6	4199.5	4199.5	4199.5	4199.8	4199.8	4199.7	e4199.3	4198.9	4198.5	4198.0	4197.6
26	4199.6	4199.5	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.4	4198.9	4198.4	4197.9	4197.5
27	4199.7	4199.6	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.4	4198.9	4198.4	4197.8	4197.5
28	4199.7	4199.6	4199.5	4199.5	4199.7	4199.8	4199.7	e4199.3	4198.9	4198.4	4197.8	4197.5
29	4199.6	4199.7	4199.5	4199.5	4199.7	4199.8	4199.6	e4199.3	4199.1	4198.4	4197.8	4197.5
30	4199.7	4199.6	4199.5	4199.5	---	4199.8	4199.7	e4199.3	4198.8	4198.4	4197.8	4197.5
31	4199.6	---	4199.5	4199.5	---	4199.8	---	e4199.3	---	4198.4	4197.8	---
MEAN	4199.7	4199.6	4199.5	4199.5	4199.6	4199.8	4199.8	4199.5	4199.1	4198.6	4198.1	4197.7
MAX	4199.9	4199.8	4199.6	4199.6	4199.8	4199.9	4199.9	4199.7	4199.3	4198.8	4198.3	4197.9
MIN	4199.6	4199.5	4199.5	4199.5	4199.5	4199.7	4199.6	4199.3	4198.8	4198.4	4197.8	4197.5

WTR YR 1992 MEAN 4199.2 MAX 4199.9 MIN 4197.5

e Estimated

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.5	4197.4	4197.2	4197.2	4197.4	4197.6	4197.6	4197.6	4197.4	4197.3	4196.9	4196.6
2	4197.7	4197.8	4197.2	4197.3	4197.4	4197.6	4197.4	4197.6	4197.5	4197.4	4196.9	4196.6
3	4197.3	4197.5	4197.3	4197.3	4197.4	4197.6	4197.5	4197.6	4197.6	4197.3	4196.9	4196.5
4	4197.1	4197.3	4197.2	4197.2	4197.4	4197.6	4197.5	4197.6	4197.4	4197.2	4196.9	4196.6
5	4197.1	4197.3	4197.2	4197.2	4197.4	4197.6	4197.5	4197.6	4197.3	4197.1	4196.9	4196.5
6	4197.1	4197.3	4197.2	4197.2	4197.4	4197.6	4197.5	4197.6	4197.4	4197.2	4196.9	4196.5
7	4197.1	4197.4	4197.2	4197.2	4197.4	4197.6	4197.5	4197.7	4197.6	4197.2	4196.9	4196.6
8	4197.1	4197.3	4197.2	4197.3	4197.4	4197.6	4197.6	4197.7	4197.4	4197.1	4196.8	4196.5
9	4197.1	4197.4	4197.1	4197.2	4197.5	4197.6	4197.7	4197.6	4197.4	4197.1	4196.8	4196.5
10	4197.1	4197.4	4197.2	4197.3	4197.5	4197.6	4197.7	4197.6	4197.4	4197.1	4196.7	4196.5
11	4197.1	4197.3	4197.2	4197.4	4197.5	4197.7	4197.7	4197.6	4197.5	4197.1	4196.9	4196.5
12	4197.1	4197.3	4197.4	4197.4	4197.5	4197.6	4197.7	4197.6	4197.5	4197.2	4196.8	4196.6
13	4197.1	4197.3	4197.4	4197.3	4197.5	4197.6	4197.7	4197.6	4197.5	4197.1	4196.9	4196.6
14	4197.1	4197.3	4197.2	4197.4	4197.5	4197.6	4197.6	4197.6	4197.5	4197.1	4196.8	4196.4
15	4197.3	4197.3	4197.2	4197.4	4197.5	4197.6	4197.6	4197.6	4197.5	4197.2	4196.7	4196.4
16	4197.3	4197.3	4197.2	4197.3	4197.6	4197.6	4197.6	4197.6	4197.6	4197.1	4196.9	4196.4
17	4197.3	4197.3	4197.2	4197.3	4197.5	4197.6	4197.6	4197.6	4197.5	4197.1	4196.8	4196.4
18	4197.3	4197.3	4197.2	4197.4	4197.5	4197.6	4198.0	4197.6	4197.4	4197.0	4196.7	4196.5
19	4197.3	4197.3	4197.2	4197.4	4197.5	4197.6	4197.7	4197.6	4197.4	4197.0	4196.6	4196.4
20	4197.3	4197.4	4197.2	4197.4	4197.5	4197.7	4197.6	4197.5	4197.4	4197.0	4196.6	4196.4
21	4197.3	4197.3	4197.2	4197.4	4197.5	4197.7	4197.6	4197.6	4197.3	4197.0	4196.7	4196.5
22	4197.3	4197.3	4197.2	4197.7	4197.5	4197.7	4197.7	4197.6	4197.4	4196.9	4196.7	4196.5
23	4197.3	4197.4	4197.2	4197.4	4197.5	4197.7	4197.7	4197.5	4197.5	4196.9	4196.7	4196.5
24	4197.3	4197.3	4197.2	4197.4	4197.5	4197.6	4197.7	4197.5	4197.3	4197.0	4196.8	4196.4
25	4197.3	4197.2	4197.2	4197.4	4197.7	4197.6	4197.6	4197.4	4197.3	4196.9	4196.8	4196.3
26	4197.3	4197.2	4197.2	4197.4	4197.6	4197.6	4197.7	4197.5	4197.3	4197.0	4196.7	4196.4
27	4197.3	4197.2	4197.2	4197.4	4197.6	4197.8	4197.7	4197.5	4197.3	4196.9	4196.7	4196.3
28	4197.3	4197.2	4197.1	4197.4	4197.6	4197.8	4197.6	4197.4	4197.3	4196.9	4196.6	4196.4
29	4197.3	4197.2	4197.1	4197.4	---	4197.7	4197.6	4197.5	4197.3	4196.8	4196.7	4196.4
30	4197.3	4197.2	4197.2	4197.4	---	4197.7	4197.6	4197.5	4197.3	4196.9	4196.6	4196.4
31	4197.4	---	4197.2	4197.4	---	4197.6	---	4197.4	---	4197.0	4196.6	---
MEAN	4197.3	4197.3	4197.2	4197.3	4197.5	4197.6	4197.6	4197.6	4197.4	4197.1	4196.8	4196.5
MAX	4197.7	4197.8	4197.4	4197.7	4197.7	4197.8	4198.0	4197.7	4197.6	4197.4	4196.9	4196.6
MIN	4197.1	4197.2	4197.1	4197.2	4197.4	4197.6	4197.4	4197.4	4197.3	4196.8	4196.6	4196.3

WTR YR 1993 MEAN 4197.3 MAX 4198.0MIN 4196.3

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.4	4196.7	4196.7	4197.0	4197.2	4197.4	4197.7	4197.9	4197.9	4197.6	4197.1	4196.7
2	4196.4	4196.6	4196.7	4197.0	4197.2	4197.4	4197.7	4197.8	4197.9	4197.6	4197.1	4196.7
3	4196.4	4196.6	4196.7	4197.0	4197.2	4197.5	4197.7	4197.9	4197.8	4197.5	4197.1	4196.7
4	4196.4	4196.8	4196.8	4197.0	4197.2	4197.5	4197.9	4197.9	4197.9	4197.4	4197.1	4196.7
5	4196.4	4196.7	4196.8	4197.2	4197.2	4197.6	4197.7	4197.9	4197.8	4197.5	4197.1	4196.7
6	4196.4	4196.6	4196.7	4197.2	4197.2	4197.6	4197.7	4198.0	4197.9	4197.4	4197.1	4196.6
7	4196.5	4196.6	4196.8	4197.0	4197.2	4197.6	4197.8	4198.0	4197.8	4197.4	4197.0	4196.6
8	4196.5	4196.6	4196.8	4197.0	4197.3	4197.6	4197.7	4197.9	4197.8	4197.4	4197.0	4196.6
9	4196.5	4196.7	4196.8	4197.0	4197.2	4197.5	4197.8	4197.9	4197.7	4197.4	4196.9	4196.7
10	4196.5	4196.7	4196.8	4197.0	4197.2	4197.5	4198.0	4197.9	4197.7	4197.4	4196.9	4196.7
11	4196.5	4196.7	4196.8	4197.0	4197.4	4197.7	4197.9	4197.9	4197.7	4197.4	4197.0	4196.7
12	4196.5	4196.7	4196.9	4197.0	4197.3	4197.7	4197.8	4197.9	4197.7	4197.4	4197.0	4196.6
13	4196.5	4196.7	4196.8	4197.0	4197.2	4197.6	4197.8	4198.0	4197.8	4197.4	4197.0	4196.6
14	4196.5	4196.8	4196.8	4197.0	4197.3	4197.5	4198.0	4197.9	4197.8	4197.3	4197.0	4196.6
15	4196.6	4196.7	4196.9	4197.1	4197.3	4197.6	4197.9	4197.9	4197.6	4197.3	4196.9	4196.6
16	4196.6	4196.7	4196.9	4197.1	4197.3	4197.5	4197.8	4198.0	4197.8	4197.3	4197.0	4196.6
17	4196.7	4196.7	4196.9	4197.1	4197.2	4197.6	4197.8	4197.9	4197.7	4197.3	4196.9	4196.5
18	4196.8	4196.8	4196.8	4197.1	4197.3	4197.5	4197.9	4197.9	4197.6	4197.3	4196.9	4196.5
19	4196.6	4196.7	4196.9	4197.1	4197.4	4197.6	4197.9	4197.9	4197.6	4197.3	4196.9	4196.5
20	4196.6	4196.7	4196.9	4197.1	4197.2	4197.6	4197.9	4197.9	4197.6	4197.3	4196.8	4196.5
21	4196.6	4196.7	4196.9	4197.1	4197.3	4197.5	4197.8	4197.8	4197.6	4197.2	4196.8	4196.5
22	4196.6	4196.7	4196.9	4197.1	4197.4	4197.7	4197.9	4197.8	4197.5	e4197.2	4196.9	4196.5
23	4196.6	4196.8	4197.0	4197.1	4197.3	4197.8	4197.9	4197.9	4197.6	e4197.2	4196.9	4196.5
24	4196.6	4196.8	4196.9	4197.2	4197.4	4197.7	4197.8	4197.9	4197.6	e4197.2	4196.8	4196.5
25	4196.7	4196.7	4196.9	4197.2	4197.4	4197.7	4197.9	4197.8	4197.6	e4197.2	4196.8	4196.5
26	4196.8	4196.7	4196.9	4197.3	4197.4	4197.8	4197.9	4197.7	4197.7	e4197.2	4196.8	4196.5
27	4196.6	4196.7	4196.9	4197.3	4197.4	4197.7	4197.8	4197.8	4197.6	e4197.2	4196.7	4196.5
28	4196.6	4196.7	4196.9	4197.3	4197.5	4197.7	4197.9	4197.8	4197.5	4197.2	4196.8	4196.5
29	4196.8	4196.7	4196.9	4197.3	---	4197.7	4198.0	4197.8	4197.6	4197.2	4196.7	4196.5
30	4196.6	4196.7	4197.0	4197.4	---	4197.7	4197.8	4197.8	4197.5	4197.2	4196.8	4196.7
31	4196.6	---	4197.0	4197.2	---	4197.7	---	4197.8	---	4197.1	4196.8	---
MEAN	4196.6	4196.7	4196.9	4197.1	4197.3	4197.6	4197.8	4197.9	4197.7	4197.3	4196.9	4196.6
MAX	4196.8	4196.8	4197.0	4197.4	4197.5	4197.8	4198.0	4198.0	4197.9	4197.6	4197.1	4196.7
MIN	4196.4	4196.6	4196.7	4197.0	4197.2	4197.4	4197.7	4197.7	4197.5	4197.1	4196.7	4196.5

WTR YR 1994 MEAN 4197.2 MAX 4198.0 MIN 4196.4

e Estimated

GREAT SALT LAKE BASIN

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.6	4196.6	4196.7	4196.8	4197.1	4197.3	4197.4	4197.4	4197.8	4198.0	4197.8	4197.3
2	4196.7	4196.6	4196.7	4196.8	4197.1	4197.3	4197.5	4197.5	4197.8	4198.0	4197.8	4197.3
3	4196.7	4196.7	4196.7	4196.8	4197.1	4197.2	4197.4	4197.5	4197.8	4198.2	4197.8	4197.4
4	4196.6	4196.5	4196.6	4196.8	4197.1	4197.4	4197.4	4197.4	4197.8	4198.0	4197.8	4197.5
5	4196.7	4196.5	4196.7	4196.8	4197.1	4197.4	4197.4	4197.4	4197.9	4197.9	4197.8	4197.4
6	4196.7	4196.5	4196.7	4196.8	4197.1	4197.3	4197.4	4197.4	4198.0	4197.9	4197.8	4197.5
7	4196.7	4196.6	4196.7	4196.8	4197.1	4197.2	4197.5	4197.5	4197.9	4198.0	4197.8	4197.4
8	4196.7	4196.6	4196.7	4196.8	4197.2	4197.2	4197.6	4197.5	4198.0	4197.9	4197.9	4197.5
9	4196.6	4196.5	4196.7	4196.8	4197.2	4197.2	4197.7	4197.5	4198.0	4197.9	4197.7	4197.4
10	4196.6	4196.5	4196.7	4196.7	4197.3	4197.1	4197.5	4197.6	4198.0	4197.9	4197.6	4197.4
11	4196.7	4196.5	4196.7	4196.8	4197.2	4197.2	4197.4	4197.6	4198.0	4197.8	4197.8	4197.4
12	4196.6	4196.6	4196.7	4196.8	4197.2	4197.4	4197.4	4197.6	4198.0	4197.9	4197.7	4197.3
13	4196.7	4196.7	4196.7	4196.8	4197.2	4197.3	4197.4	4197.6	4198.0	4198.0	4197.7	4197.3
14	4196.7	4196.6	4196.7	4196.9	4197.4	4197.3	4197.5	4197.5	4198.0	4198.0	4197.7	4197.3
15	4196.8	4196.6	4196.7	4196.9	4197.2	4197.4	4197.4	4197.6	4198.0	4197.9	4197.6	4197.3
16	4196.8	4196.7	4196.7	4196.9	4197.2	4197.4	4197.4	4197.7	4198.1	4197.9	4197.5	4197.3
17	4196.6	4196.6	4196.7	4197.0	4197.2	4197.4	4197.5	4197.7	4198.0	4197.9	4197.7	4197.3
18	4196.6	4196.9	4196.7	4197.0	4197.2	4197.4	4197.4	4197.6	4197.9	4197.9	4197.6	4197.3
19	4196.6	4196.7	4196.8	4196.9	4197.2	4197.4	4197.5	4197.6	4198.1	4197.9	4197.6	4197.3
20	4196.6	4196.6	4196.7	4197.0	4197.2	4197.3	4197.5	4197.6	4198.2	4197.9	4197.5	4197.4
21	4196.6	4196.6	4196.8	4197.0	4197.3	4197.5	4197.6	4197.6	4198.1	4197.9	4197.5	4197.3
22	4196.6	4196.6	4196.8	4197.0	4197.3	4197.4	4197.5	4197.7	4198.0	4197.9	4197.5	4197.2
23	4196.6	4196.6	4196.8	4197.0	4197.3	4197.4	4197.5	4197.6	4198.0	4197.9	4197.5	4197.2
24	4196.6	4196.6	4196.8	4197.0	4197.3	4197.5	4197.4	4197.6	4198.0	4197.8	4197.4	4197.2
25	4196.6	4196.6	4196.8	4197.0	4197.3	4197.6	4197.5	4197.7	4198.0	4197.9	4197.4	4197.2
26	4196.6	4196.7	4196.8	4197.0	4197.3	4197.6	4197.4	4197.8	4198.0	4197.9	4197.4	4197.1
27	4196.6	4196.7	4196.8	4197.1	4197.3	4197.4	4197.4	4197.8	4198.0	4197.9	4197.4	4197.2
28	4196.7	4196.9	4196.8	4197.0	4197.3	4197.4	4197.4	4197.8	4198.1	4197.9	4197.4	4197.2
29	4196.6	4196.7	4196.9	4197.0	---	4197.5	4197.4	4197.8	4198.1	4197.9	4197.4	4197.2
30	4196.6	4196.7	4196.9	4197.0	---	4197.4	4197.5	4197.8	4198.0	4197.9	4197.4	4197.1
31	4196.6	---	4196.8	4197.0	---	4197.4	---	4197.8	---	4197.8	4197.4	---
MEAN	4196.6	4196.6	4196.7	4196.9	4197.2	4197.4	4197.5	4197.6	4198.0	4197.9	4197.6	4197.3
MAX	4196.8	4196.9	4196.9	4197.1	4197.4	4197.6	4197.7	4197.8	4198.2	4198.2	4197.9	4197.5
MIN	4196.6	4196.5	4196.6	4196.7	4197.1	4197.1	4197.4	4197.4	4197.8	4197.8	4197.4	4197.1

WTR YR 1995 MEAN 4197.3MAX 4198.2MIN4196.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.1	4196.9	4196.9	4197.1	4197.3	4197.5	4197.7	4197.9	4198.0	4197.8	4197.6	4197.2
2	4197.1	4196.9	4197.0	4197.0	4197.3	4197.5	4197.9	4197.9	4198.0	4197.8	4197.6	4197.2
3	4197.2	4196.8	4197.0	4197.0	4197.3	4197.5	4197.8	4197.9	4198.0	4197.8	4197.7	4197.2
4	4197.3	4196.9	4197.0	4197.1	4197.3	4197.5	4197.8	4197.9	4198.0	4197.8	4197.6	4197.2
5	4197.1	4196.8	4197.0	4197.1	4197.3	4197.7	4197.8	4197.9	4198.0	4197.8	4197.6	4197.2
6	4197.0	4196.8	4197.0	4197.1	4197.3	4197.6	4197.8	4197.9	4198.0	4197.8	4197.6	4197.1
7	4197.1	4196.8	4197.1	4197.1	4197.3	4197.6	4197.8	4197.8	4198.0	4197.8	4197.5	4197.1
8	4197.0	4196.8	4197.0	4197.1	4197.3	4197.6	4197.8	4197.9	4198.0	4197.8	4197.5	4197.1
9	4197.0	4197.0	4197.0	4197.1	4197.4	4197.6	4197.8	4197.8	4198.0	4197.7	4197.5	4197.1
10	4197.0	4197.1	4197.0	4197.1	4197.4	4197.6	4197.9	4197.8	4198.0	4197.7	4197.5	4197.1
11	4197.0	4196.9	4197.0	4197.1	4197.4	4197.7	4197.8	4197.8	4198.1	4197.7	4197.4	4197.0
12	4197.1	4196.9	4196.9	4197.1	4197.4	4197.7	4197.9	4197.8	4198.0	4197.7	4197.5	4197.0
13	4197.0	4196.9	4197.0	4197.1	4197.4	4197.7	4197.9	4197.9	4198.0	4197.7	4197.5	4196.9
14	4197.0	4196.9	4197.0	4197.1	4197.4	4197.7	4197.8	4197.9	4198.0	4197.7	4197.5	4197.1
15	4197.0	4196.9	4197.0	4197.1	4197.4	4197.7	4197.7	4198.0	4198.0	4197.7	4197.5	4197.1
16	4197.0	4196.9	4197.2	4197.1	4197.4	4197.8	4197.7	4197.9	4197.9	4197.7	4197.4	4197.1
17	4197.0	4196.9	4197.2	4197.4	4197.4	4197.8	4197.8	4197.9	4197.9	4197.7	4197.4	4197.1
18	4197.0	4196.9	4197.0	4197.1	4197.4	4197.7	4198.0	4197.8	4198.1	4197.7	4197.4	4197.0
19	4197.0	4197.0	4197.0	4197.3	4197.4	4197.7	4197.8	4197.9	4198.0	4197.8	4197.4	4197.0
20	4197.0	4196.9	4197.1	4197.2	4197.4	4197.7	4197.9	4197.9	4197.9	4197.7	4197.4	4197.0
21	4197.1	4196.9	4197.1	4197.2	4197.3	4197.7	4197.8	4197.9	4197.9	4197.7	4197.4	4197.0
22	e4197.0	4196.9	4197.0	4197.3	4197.6	4197.7	4197.8	4198.0	4197.9	4197.7	4197.3	4197.1
23	e4196.9	4196.9	4197.0	4197.2	4197.5	4197.8	4197.8	4198.0	4197.8	4197.7	4197.3	4197.1
24	4196.9	4196.9	4197.0	4197.2	4197.6	4197.7	4198.0	4197.9	4198.0	4197.7	4197.3	4197.0
25	4196.9	4196.9	4197.1	4197.3	4197.6	4197.7	4197.8	4197.8	4197.9	4197.7	4197.3	4197.1
26	4197.0	4197.2	4197.1	4197.3	4197.8	4197.7	4197.8	4197.8	4197.8	4197.7	4197.3	4197.1
27	4196.9	4197.0	4197.0	4197.2	4197.5	4197.7	4198.0	4197.9	4197.8	4197.6	4197.3	4196.9
28	4196.9	4196.9	4197.1	4197.4	4197.5	4197.7	4197.9	4197.9	4197.9	4197.6	4197.3	4196.9
29	4196.9	4196.9	4197.0	4197.2	4197.5	4197.7	4197.8	4198.0	4197.8	4197.6	4197.3	4196.9
30	4196.9	4196.9	4197.0	4197.2	---	4197.7	4197.8	4198.0	4197.8	4197.6	4197.2	4196.9
31	4196.9	---	4197.2	4197.3	---	4197.7	---	4198.0	---	4197.7	4197.2	---
MEAN	4197.0	4196.9	4197.0	4197.2	4197.4	4197.7	4197.8	4197.9	4197.9	4197.7	4197.4	4197.1
MAX	4197.3	4197.2	4197.2	4197.4	4197.8	4197.8	4198.0	4198.0	4198.1	4197.8	4197.7	4197.2
MIN	4196.9	4196.8	4196.9	4197.0	4197.3	4197.5	4197.7	4197.8	4197.8	4197.6	4197.2	4196.9

WTR YR 1996 MEAN 4197.4MAX 4198.1 MIN4196.8

e Estimated

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in $SE^1/_4NW^1/_4SE^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ June 6, 1986, gage height, 4.05 ft; maximum gage height, 4.28 ft June 19, 1983, datum then in use; minimum, 6.8 $ft^3/_s$ April 12, 1984, result of upstream ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 16	2300	*2,340	*6.92	June 9	0100	2,100	6.76

Minimum daily discharge, 29 $ft^3/_s$ Jan. 19, Feb. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	67	56	e48	e36	e35	e58	172	585	409	102	71
2	50	41	54	e45	e38	e41	56	193	721	398	112	107
3	49	52	47	e42	e41	e48	52	228	920	379	101	107
4	61	54	54	e60	e44	e54	52	251	1230	375	98	106
5	60	54	54	e50	e40	e61	50	301	1560	374	93	106
6	77	53	58	e38	e44	e58	54	382	1680	350	86	105
7	79	54	55	e37	e46	e55	65	413	1600	323	84	114
8	72	54	44	e47	e49	e54	85	443	1720	290	82	127
9	73	58	58	e45	e41	e60	105	448	1820	281	79	127
10	70	48	54	e40	e45	e63	126	454	1740	260	77	128
11	72	66	52	e42	e42	e84	131	567	1580	234	76	125
12	72	74	53	e40	e37	e76	121	833	1640	213	71	81
13	65	74	52	e36	e32	e78	105	1080	1520	199	69	92
14	64	73	44	e34	e29	e72	98	1300	1370	186	68	112
15	64	65	51	e39	e31	e64	95	1570	1300	177	67	96
16	63	63	53	e44	e34	e64	99	1970	1140	176	65	87
17	61	58	50	e49	e31	e64	103	1830	1150	223	64	93
18	60	58	e45	e35	e38	e62	90	1500	1070	178	72	84
19	58	57	e41	e29	e62	e54	91	1050	955	154	71	81
20	55	56	e45	e46	e64	e56	83	774	860	148	76	81
21	61	54	e42	e42	e62	e66	81	717	863	137	74	83
22	59	55	e39	e37	e60	e78	78	801	794	126	72	76
23	60	53	e37	e35	e46	e78	84	845	647	116	71	68
24	61	52	e35	e42	e38	e56	108	624	592	103	70	65
25	64	52	e45	e42	e50	e55	122	565	563	98	69	63
26	66	54	e43	e38	e44	e50	132	514	488	93	69	61
27	63	46	e40	e35	e37	e44	141	536	746	89	67	56
28	63	53	e40	e48	e33	e70	128	669	651	89	68	57
29	65	63	e45	e60	e32	e63	121	576	476	96	64	56
30	66	57	e50	e43	---	e59	140	599	432	99	63	55
31	68	---	e55	e33	---	e59	---	575	---	104	62	---
TOTAL	1976	1718	1491	1301	1226	1881	2854	22780	32413	6477	2362	2670
MEAN	63.7	57.3	48.1	42.0	42.3	60.7	95.1	735	1080	209	76.2	89.0
MAX	79	74	58	60	64	84	141	1970	1820	409	112	128
MIN	49	41	35	29	29	35	50	172	432	89	62	55
AC-FT	3920	3410	2960	2580	2430	3730	5660	45180	64290	12850	4690	530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	62.6	54.1	46.7	41.9	40.1	43.4	111	595	868	304	94.7	72.6
MAX	208	106	94.9	72.4	64.3	69.0	316	1044	1990	1105	244	229
(WY)	1983	1984	1984	1984	1984	1986	1946	1984	1986	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	109051		79149			
ANNUAL MEAN	299		216		195	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	2160	Jun 15	1970	May 16	2680	Jun 4 1986
LOWEST DAILY MEAN	33	Feb 16	29	Jan 19	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	37	Feb 14	33	Feb 12	21	Dec 28 1959
ANNUAL RUNOFF (AC-FT)	216300		157000		141100	
10 PERCENT EXCEEDS	1140		648		610	
50 PERCENT EXCEEDS	68		66		58	
90 PERCENT EXCEEDS	44		41		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 $NE^1/_4SE^1/_4SW^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ June 1, 1983, gage height, 9.10 ft, from rating curve extended above 1,200 $ft^3/_s$ 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, 500 $ft^3/_s$ April 9, gage height, 7.90 ft; minimum daily discharge, 0.21 $ft^3/_s$ Sept. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.8	e4.7	e6.2	5.3	5.8	7.8	34	39	19	13	.84	.36
2	e2.0	e3.0	e3.7	5.0	4.9	8.0	46	37	13	11	.98	.27
3	e1.6	e3.4	e5.2	4.7	4.6	7.8	63	39	11	9.2	.97	.26
4	e2.0	e3.8	e8.0	6.9	5.3	8.2	56	38	13	6.7	1.0	.23
5	e2.3	e4.3	e7.4	8.5	7.3	8.7	49	30	16	6.5	.86	.21
6	e2.8	e4.7	e8.0	7.5	7.0	8.6	57	42	16	5.8	.73	.26
7	e3.3	e5.2	e8.4	e5.0	6.0	8.5	80	46	13	4.7	.70	.34
8	e2.9	e4.5	e8.6	e6.0	5.8	8.9	139	48	11	4.8	.74	.31
9	e4.1	e4.5	e6.4	e5.8	5.7	10	234	62	9.8	4.6	.82	.26
10	e3.2	e3.5	e8.0	e7.8	6.2	14	250	57	8.0	5.4	.87	.35
11	e2.5	e4.0	e10	e7.5	6.9	22	142	58	9.5	4.2	1.0	.55
12	e4.0	e5.6	e10	e5.6	9.7	30	76	77	13	3.8	.73	1.4
13	e3.6	e6.6	e9.4	e5.6	16	38	60	87	9.2	4.2	.60	.83
14	e3.4	e5.2	8.9	e5.6	21	43	52	88	6.8	4.6	.49	.96
15	e4.1	e5.2	6.9	e6.2	32	25	54	88	7.5	7.2	1.0	.88
16	e3.8	e5.2	7.5	e7.0	37	27	55	93	7.5	13	1.4	1.5
17	e3.4	e4.9	6.9	e8.4	35	21	49	70	5.5	35	.99	2.8
18	e3.5	e4.5	4.1	e6.8	33	17	41	54	5.4	26	.90	2.6
19	e3.2	e5.0	3.9	e6.0	31	19	36	49	4.6	16	.80	2.1
20	e4.4	e4.8	3.6	e7.8	25	32	42	32	4.6	13	.66	1.7
21	e3.5	e4.5	3.5	e9.2	21	80	40	26	9.4	10	.50	1.3
22	e2.8	e6.0	3.8	e8.1	16	79	43	25	15	9.2	.47	1.0
23	e2.5	e5.4	3.8	e9.0	13	37	79	26	23	9.4	.43	1.0
24	e3.1	e6.4	3.9	e8.0	12	30	74	22	10	7.6	.43	1.0
25	e3.5	e8.0	3.9	e9.0	11	32	56	22	5.4	5.8	.46	.91
26	e3.1	e6.0	e3.8	e9.8	10	45	47	17	3.8	4.1	.57	.84
27	e3.3	e4.0	4.2	e9.2	9.4	26	43	17	11	2.4	.75	.88
28	e2.5	e4.2	5.7	e8.0	8.2	26	33	30	28	1.8	.68	.94
29	e3.0	e4.5	3.2	e7.0	8.0	26	27	29	21	1.7	.44	.93
30	e3.4	e8.6	4.3	4.5	---	28	29	30	17	1.6	.38	.90
31	e4.0	---	5.3	4.9	---	28	---	29	---	1.0	.37	---
TOTAL	96.6	150.2	186.5	215.7	413.8	801.5	2086	1407	347.0	253.3	22.56	27.87
MEAN	3.12	5.01	6.02	6.96	14.3	25.9	69.5	45.4	11.6	8.17	.73	.93
MAX	4.4	8.6	10	9.8	37	80	250	93	28	35	1.4	2.8
MIN	1.6	3.0	3.2	4.5	4.6	7.8	27	17	3.8	1.0	.37	.21
AC-FT	192	298	370	428	821	1590	4140	2790	688	502	45	55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1996, BY WATER YEAR (WY)

MEAN	2.01	3.88	4.15	4.38	6.75	24.4	38.1	48.1	22.3	6.45	1.75	.59
MAX	6.77	11.8	6.95	9.39	22.2	52.7	69.5	154	55.3	20.7	6.03	2.12
(WY)	1992	1992	1995	1995	1995	1989	1996	1993	1995	1995	1991	1991
MIN	.18	.59	1.17	1.11	1.18	2.80	15.6	11.4	3.18	.18	.017	.000
(WY)	1991	1991	1991	1991	1991	1991	1995	1992	1994	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1988 - 1996	
ANNUAL TOTAL	6792.91		6008.03			
ANNUAL MEAN	18.6		16.4		13.6	
HIGHEST ANNUAL MEAN					25.1	1993
LOWEST ANNUAL MEAN					7.09	1990
HIGHEST DAILY MEAN	113	Jun 6	250	Apr 10	394	May 22 1993
LOWEST DAILY MEAN	.32	Sep 4	.21	Sep 5	.00	Jul 15 1988
ANNUAL SEVEN-DAY MINIMUM	.35	Sep 4	.27	Sep 3	.00	Jul 15 1988
ANNUAL RUNOFF (AC-FT)	13470		11920		9850	
10 PERCENT EXCEEDS	51		44		39	
50 PERCENT EXCEEDS	10		6.7		3.9	
90 PERCENT EXCEEDS	1.2		.88		.17	

e Estimated

10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE1/4 NW1/4 NW1/4 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 mi^2.

PERIOD OF RECORD.--May 1984 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above sea level, from topographic map.

REMARKS.--Estimated daily discharges: June 10-13, 24-27 and July 16, 17. Records fair 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. Results of discharge measurements, in cubic feet per second, made during the period when the station was not in operation, are given below:

Oct. 5 . . . 75.7
Mar. 27 . . . 184

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	280	396	773	307	33	22
2	---	---	---	---	---	---	384	422	827	250	40	20
3	---	---	---	---	---	---	355	440	962	218	45	10
4	---	---	---	---	---	---	326	423	1170	199	46	24
5	---	---	---	---	---	---	301	430	1430	201	46	33
6	---	---	---	---	---	---	379	546	1600	193	43	29
7	---	---	---	---	---	---	463	600	1540	181	45	27
8	---	---	---	---	---	---	623	636	1550	168	45	21
9	---	---	---	---	---	---	738	671	1640	156	45	21
10	---	---	---	---	---	---	797	633	1600	152	43	21
11	---	---	---	---	---	---	765	689	1600	132	43	23
12	---	---	---	---	---	---	528	906	1500	91	41	30
13	---	---	---	---	---	---	439	1220	1400	72	33	37
14	---	---	---	---	---	---	331	1450	1310	67	33	45
15	---	---	---	---	---	---	337	1580	1280	63	37	60
16	---	---	---	---	---	---	363	1920	1110	66	37	57
17	---	---	---	---	---	---	394	2250	1070	76	40	64
18	---	---	---	---	---	---	335	1990	1040	110	44	69
19	---	---	---	---	---	---	305	1590	940	82	46	60
20	---	---	---	---	---	---	302	1200	841	64	42	60
21	---	---	---	---	---	---	282	1030	802	54	31	60
22	---	---	---	---	---	---	314	1060	825	49	24	60
23	---	---	---	---	---	---	399	1170	715	44	23	58
24	---	---	---	---	---	---	526	956	700	37	19	48
25	---	---	---	---	---	---	449	882	680	34	19	41
26	---	---	---	---	---	---	404	819	660	33	21	39
27	---	---	---	---	---	---	404	803	640	31	27	36
28	---	---	---	---	---	---	354	958	625	36	29	33
29	---	---	---	---	---	---	300	836	463	44	27	32
30	---	---	---	---	---	---	335	835	375	42	25	33
31	---	---	---	---	---	---	---	821	---	31	24	---
TOTAL	---	---	---	---	---	---	12512	30162	31668	3283	1096	1173
MEAN	---	---	---	---	---	---	417	973	1056	106	35.4	39.1
MAX	---	---	---	---	---	---	797	2250	1640	307	46	69
MIN	---	---	---	---	---	---	280	396	375	31	19	10
AC-FT	---	---	---	---	---	---	24820	59830	62810	6510	2170	2330
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1996, BY WATER YEAR (WY)												
MEAN	---	---	---	---	---	---	322	742	803	213	67.6	58.0
MAX	---	---	---	---	---	---	602	1291	1890	980	181	225
(WY)	---	---	---	---	---	---	1985	1986	1986	1995	1984	1984
MIN	---	---	---	---	---	---	133	330	121	40.0	16.4	11.8
(WY)	---	---	---	---	---	---	1995	1990	1992	1994	1988	1988

SUMMARY STATISTICS	FOR 1996 WATER YEAR*		WATER YEARS 1984 - 1996*	
HIGHEST DAILY MEAN	2250	May 17	3160	May 16 1984
LOWEST DAILY MEAN	10	Sep 3	3.8	Sep 30 1992
ANNUAL SEVEN-DAY MINIMUM		--	5.3	Aug 18 1988
INSTANTANEOUS PEAK FLOW	2510	May 17	3680	May 16 1984
INSTANTANEOUS PEAK STAGE	6.10	May 17	7.35	May 16 1984
10 PERCENT EXCEEDS	--		1010	
50 PERCENT EXCEEDS	--		157	
90 PERCENT EXCEEDS	--		24	

* During period of operation.

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in $NE^1/_4NW^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ June 2, 1983, gage height, 6.17 ft; minimum, no flow several days during Aug. and Sept. 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,180 $ft^3/_s$ May 18, gage height, 5.28 ft; minimum daily discharge, 0.64 $ft^3/_s$ Sept. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	99	81	e80	e84	e54	344	325	656	242	14	1.1
2	38	103	66	e114	e64	e40	499	381	625	196	14	.99
3	29	67	58	e70	e47	e27	592	405	690	163	12	.93
4	33	45	47	e50	e33	e19	540	387	800	146	11	.82
5	54	51	72	e35	e23	e118	468	399	955	138	9.9	.70
6	64	47	99	e64	e17	e115	442	445	1190	134	8.7	.64
7	71	60	129	e50	e14	e125	484	539	1380	127	7.4	.68
8	74	61	102	e40	e30	e94	522	580	1340	122	7.3	.82
9	66	71	67	e35	e60	e86	731	631	1360	117	7.2	.86
10	72	129	97	e58	e140	e88	893	645	1440	86	7.2	.86
11	76	95	101	e54	e123	e92	904	618	1450	84	7.2	.87
12	73	114	96	e60	e104	e105	608	617	1370	72	7.2	2.2
13	84	222	111	e84	e88	207	448	952	1370	55	7.4	6.8
14	84	193	97	e60	e70	239	327	1260	1200	41	7.5	15
15	78	148	74	e45	e56	247	270	1370	1080	35	7.7	17
16	82	103	53	e45	e58	221	266	1550	963	37	9.1	22
17	82	95	e67	e46	e73	213	287	1860	835	42	12	29
18	86	81	e84	e50	e70	195	302	2130	768	60	11	35
19	85	76	e90	e103	e66	184	271	2030	689	69	11	39
20	83	73	e72	e64	e125	229	254	1380	618	58	12	38
21	80	69	e62	e40	e110	e185	240	1030	567	46	13	36
22	86	65	e58	e32	e110	e160	236	947	586	40	11	36
23	101	62	e58	e70	e96	e140	248	1010	533	31	9.9	36
24	88	59	e63	e80	e80	e180	399	980	451	26	6.7	36
25	97	56	e52	e50	e68	e240	446	804	372	23	4.2	33
26	109	57	e51	e31	e88	e260	419	761	313	20	2.9	27
27	133	69	e51	e58	e83	262	386	711	296	17	2.2	24
28	124	52	e52	e42	e80	256	367	759	474	16	2.0	22
29	110	58	e52	e46	e80	309	328	841	415	14	1.9	19
30	98	80	e53	e56	---	321	304	724	298	15	2.0	17
31	100	---	e60	e66	---	311	---	690	---	15	1.6	---
TOTAL	2484	2560	2275	1778	2140	5322	12825	27761	25084	2287	248.2	499.27
MEAN	80.1	85.3	73.4	57.4	73.8	172	427	896	836	73.8	8.01	16.6
MAX	133	222	129	114	140	321	904	2130	1450	242	14	39
MIN	29	45	47	31	14	19	236	325	296	14	1.6	.64
AC-FT	4930	5080	4510	3530	4240	10560	25440	55060	49750	4540	492	990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	75.8	71.0	70.5	66.9	83.8	162	343	815	875	205	50.7	50.5
MAX	437	198	181	147	312	627	671	1957	2564	1191	340	288
(WY)	1983	1974	1984	1984	1986	1986	1969	1984	1986	1995	1983	1983
MIN	3.03	6.06	7.21	6.76	13.8	26.8	77.7	104	54.6	4.84	2.26	.49
(WY)	1965	1989	1989	1989	1993	1977	1977	1977	1992	1988	1988	1988

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1962 - 1996	
ANNUAL TOTAL	129058		85263.47			
ANNUAL MEAN	354		233		239	
HIGHEST ANNUAL MEAN					583	1986
LOWEST ANNUAL MEAN					45.1	1977
HIGHEST DAILY MEAN	3060	Jun 16	2130	May 18	3900	Jun 2 1983
LOWEST DAILY MEAN	11	Sep 1	.64	Sep 6	.00	Aug 23 1988
ANNUAL SEVEN-DAY MINIMUM	17	Aug 31	.77	Sep 4	.00	Aug 30 1988
ANNUAL RUNOFF (AC-FT)	256000		169100		173400	
10 PERCENT EXCEEDS	1490		696		702	
50 PERCENT EXCEEDS	90		80		82	
90 PERCENT EXCEEDS	44		11		9.3	

e Estimated

10020200 WOODRUFF NARROWS RESERVOIR NEAR WOODRUFF, UT

LOCATION.--Lat 41o30'10", long 111o00'55", in SE1/4NW1/4NW1/4 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 September 1996 (discontinued).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,405 ft above sea level, from levels by Bureau of Reclamation.

REMARKS.--Records 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 content, 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 daily content, 61,600 acre-ft June 11, minimum daily content, 28,700 acre-ft Sept. 25, 26.

CAPACITY TABLE (GAGE-HEIGHT, IN FEET, AND TOTAL CONTENTS, IN ACRE-FEET)

17.0	7,090	35.0	27,620
18.0	7,900	40.0	36,160
20.0	9,520	45.0	45,660
25.0	14,390	50.0	56,400
30.0	20,280	53.0	63,180

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e42830	42870	43650	e43100	e44100	e47000	e55200	e59900	e61000	e50400	37360	34900
2	e42530	42890	43640	e43100	e44200	e47100	e55700	e59900	e61000	e49200	37230	34700
3	e42480	42890	43650	e43200	e44300	e47300	56160	e59900	e61100	e48300	37110	34600
4	42170	42910	43640	e43200	e44400	e47500	57040	e60000	e61200	e47500	37010	34400
5	42180	42890	43740	e43200	e44500	e47600	58370	e60000	e61300	e46500	36460	34100
6	42180	42940	43600	e43200	e44500	e47800	58700	e60000	e61300	e45700	36760	33800
7	42300	43080	43590	e43300	e44500	e48000	58990	e60000	e61300	e44800	34990	33600
8	42360	43070	43590	e43300	e44600	e48200	59260	e60000	e61400	e43700	36570	33700
9	42350	43080	43590	e43300	e44600	e48400	59500	e60000	e61500	e42800	36390	33500
10	42360	43080	43580	e43400	e44700	e48500	e59500	e60000	e61500	42210	36360	33300
11	42350	43090	43590	e43400	e44800	e48700	e59500	e60100	61600	41800	36270	33100
12	42330	43070	43590	e43400	e44900	e49000	e59500	e60100	e61500	41370	36170	33000
13	42340	43080	43560	e43400	e45000	e49200	e59500	e60100	e61500	40900	36080	33000
14	42370	43220	43380	e43400	e45000	e49400	e59500	e60200	61500	40420	35990	32600
15	42540	43280	43370	e43500	e45200	e49600	e59500	e60200	61150	39910	35900	32100
16	42520	43270	43360	e43500	e45300	e49800	e59600	e60200	60940	39510	35820	32000
17	42520	43270	43350	e43500	e45400	e50200	e59600	e60200	60870	39430	35730	31800
18	42510	43270	43350	e43500	e45500	e50400	e59600	e60300	60670	39350	35730	31300
19	42510	43270	43360	e43500	e45500	e50600	e59600	e60300	60570	39260	35700	31300
20	42520	43270	43350	e43500	e45700	e50900	e59600	e60400	60470	39140	35700	29500
21	42510	43300	43350	e43600	e45900	e51500	e59700	e60400	e59500	39000	35600	29400
22	42610	43460	43360	e43600	e46000	e51100	e59700	60500	e58500	38860	35500	29200
23	42690	43460	43360	e43700	e46000	e51700	e59700	e60500	e57500	38700	35400	28900
24	42700	43460	43240	e43700	e46200	e52000	e59800	e60500	e56700	38540	35300	28800
25	42700	43460	43150	e43800	e46400	e52400	e59800	e60500	e55700	38380	35200	28700
26	42690	43450	43160	e43800	e46500	e52600	e59800	e60600	e55000	38220	35300	28700
27	42680	43460	43160	e43900	e46600	e53000	e59800	e60600	e54000	38060	35200	28800
28	42700	43470	43160	e43900	e46700	e53400	e59800	e60700	e53000	37900	35100	28800
29	42690	43570	42910	e44000	e46800	e53800	e59900	e60700	e52000	37770	35100	28800
30	42870	43650	e43000	e44000	---	e54200	e59900	e60800	e51200	37660	35000	28800
31	42880	---	e43000	e44000	---	e54600	---	e60800	---	37510	34800	---
MAX	42880	43650	43740	44000	46800	54600	59900	60800	61600	50400	37360	34900
MIN	42170	42870	42910	43100	44100	47000	55200	59900	51200	37510	34800	28700
(#)	43.6	44.0	--	--	--	--	--	--	--	40.8	39.2	35.7
(*)	-230	+770	-650	+1000	+2800	+7800	+5300	+900	-9600	-13690	-2710	-6000

CAL YR 1995 (*) +31600
WTR YR 1996 (*) -14310

(#) 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 NE 1/4 NE1/4 NW1/4 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 mi^2.

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 above sea level (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 . 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 ft^3/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, 2,160 ft^3/s May 19, gage height, 6.88 ft; minimum daily discharge, 28 ft^3/s several days in Jan., Feb.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	42	94	72	28	30	55	333	696	943	74	41
2	40	42	94	71	28	30	55	359	661	936	54	53
3	40	42	94	71	28	30	55	376	685	928	40	124
4	40	42	94	71	28	30	83	381	777	920	40	126
5	39	42	94	70	28	29	184	395	949	910	40	126
6	40	66	94	70	28	29	278	411	1170	903	40	128
7	40	90	96	69	28	29	361	477	1370	894	40	128
8	39	90	96	70	28	29	474	530	1430	885	40	129
9	39	90	95	71	28	30	649	576	1460	540	40	128
10	40	90	94	70	28	30	845	615	1530	270	40	130
11	40	90	94	69	28	30	951	616	1570	270	40	130
12	40	91	94	70	28	30	853	627	1490	267	40	131
13	40	92	94	70	29	30	666	773	1490	267	40	130
14	40	92	94	69	29	32	531	1020	1430	267	40	130
15	40	93	94	69	29	33	427	1260	1290	266	40	129
16	41	93	93	70	29	35	383	1510	1190	153	41	130
17	41	93	93	68	29	36	352	1770	1040	78	41	129
18	41	93	93	69	30	38	360	2040	918	78	41	128
19	41	93	93	69	30	39	339	2120	848	78	41	126
20	41	93	93	69	29	40	308	1750	778	78	41	126
21	41	93	85	68	29	42	288	1320	675	78	40	125
22	41	93	76	68	29	43	276	1100	651	77	40	124
23	41	93	76	68	29	45	269	1060	625	77	41	123
24	41	93	75	45	30	48	315	1050	564	77	40	106
25	41	93	74	28	30	49	376	917	804	77	41	33
26	41	94	74	28	30	50	402	837	808	76	40	33
27	41	94	74	28	30	51	391	775	758	75	41	33
28	41	94	73	28	30	53	381	782	951	75	41	33
29	41	94	73	28	30	54	362	845	949	75	41	33
30	41	94	73	28	---	56	335	783	943	75	41	33
31	42	---	72	28	---	57	---	734	---	74	41	---
TOTAL	1254	2494	2705	1842	837	1187	11604	28142	30500	10767	1300	3078
MEAN	40.5	83.1	87.3	59.4	28.9	38.3	387	908	1017	347	41.9	103
MAX	42	94	96	72	30	57	951	2120	1570	943	74	131
MIN	39	42	72	28	28	29	55	333	564	74	40	33
AC-FT	2490	4950	5370	3650	1660	2350	23020	55820	60500	21360	2580	6110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1996, BY WATER YEAR (WY)

MEAN	55.8	55.9	47.4	45.1	48.2	99.9	286	783	990	292	79.3	58.5
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1962 - 1996	
ANNUAL TOTAL	91727		95710			
ANNUAL MEAN	251		262		237	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	1440	Jun 6	2120	May 19	3630	Jun 3 1983
LOWEST DAILY MEAN	21	Jan 5	28	Jan 25	.00	Jul 4 1962
ANNUAL SEVEN-DAY MINIMUM	22	Jan 1	28	Jan 25	.07	Nov 26 1980
ANNUAL RUNOFF (AC-FT)	181900		189800		171600	
10 PERCENT EXCEEDS	877		897		800	
50 PERCENT EXCEEDS	93		75		41	
90 PERCENT EXCEEDS	22		30		8.9	

10023000 BIG CREEK NEAR RANDOLPH, UT

LOCATION.--Lat 41°36'36", long 111°15'12", in $NW^1/_4NW^1/_4NE^1/_4$ 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 mi^2.

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 sea level, 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 poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 $ft^3/_s$ July 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 $ft^3/_s$ Aug. 4, 1961.

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)
May 18	1500	*92	*5.19				

Minimum daily discharge, 6.0 $ft^3/_s$ Feb. 3, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	13	12	e11	e9.2	e9.0	e16	36	37	33	23	19
2	14	14	12	e13	e7.2	e14	e15	41	36	33	24	20
3	14	e11	12	e17	e6.0	e15	e14	46	37	33	23	20
4	15	e10	13	e13	e9.0	e16	15	46	37	33	23	19
5	14	e11	13	e11	e11	e17	15	47	38	32	23	20
6	14	12	13	e15	e12	e15	15	51	37	31	23	20
7	14	12	12	e14	e15	e13	17	59	36	30	22	19
8	13	12	14	e14	e12	e12	18	68	36	30	22	19
9	13	e11	14	e16	e13	e15	20	74	35	30	22	19
10	13	e12	12	e17	e11	e16	23	74	35	30	22	19
11	13	e11	11	e15	e10	e18	24	73	35	29	22	19
12	13	e11	12	e13	e10	e20	24	76	34	28	22	19
13	13	e10	12	e13	e12	e17	23	78	33	28	22	19
14	13	e11	12	e14	e12	e15	22	81	33	28	22	19
15	13	12	15	e16	e11	e13	21	81	33	28	22	19
16	13	12	15	e17	e13	e15	21	79	33	30	22	20
17	13	12	11	e12	e14	e17	23	78	32	32	22	20
18	13	12	13	e9.0	e16	e14	23	80	32	28	22	20
19	13	12	15	e12	e15	e13	23	65	32	27	22	20
20	13	12	e13	e15	e16	e15	22	57	32	26	21	20
21	13	12	e14	e14	e14	e17	22	52	33	25	21	19
22	13	12	e16	e14	e13	e18	21	50	32	25	21	19
23	13	12	e14	e12	e14	e16	21	48	32	24	21	19
24	13	12	e13	e13	e11	e13	22	46	32	24	21	19
25	13	11	e12	e15	e14	e13	24	48	32	25	21	19
26	13	12	e13	e12	e11	e15	25	43	32	25	21	19
27	13	12	e13	e10	e12	e20	29	41	35	25	21	18
28	13	e11	e12	e11	e11	e17	30	41	34	24	20	18
29	12	12	e15	e12	e6.0	e12	31	40	33	25	20	18
30	12	12	e16	e14	---	e9.0	32	40	33	25	20	18
31	14	---	e18	e11	---	e11	---	38	---	23	20	---
TOTAL	410	351	412	415.0	340.4	460.0	651	1777	1021	869	673	575
MEAN	13.2	11.7	13.3	13.4	11.7	14.8	21.7	57.3	34.0	28.0	21.7	19.2
MAX	15	14	18	17	16	20	32	81	38	33	24	20
MIN	12	10	11	9.0	6.0	9.0	14	36	32	23	20	18
AC-FT	813	696	817	823	675	912	1290	3520	2030	1720	1330	1140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1987-96, BY WATER YEAR (WY)

MEAN	11.4	10.5	9.56	8.70	8.60	9.65	15.2	29.8	21.5	15.5	12.9	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	2.14	2.84	2.18	2.17	2.63	2.65	3.56	2.85	1.86	1.48	1.29	1.80
(WY)	1993	1993	1991	1991	1991	1991	1991	1992	1992	1961	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950-70, 1987-96	
ANNUAL TOTAL	5278.2		7954.4			
ANNUAL MEAN	14.5		21.7		13.8	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	33	May 11	81	May 14	140	May 18 1950
LOWEST DAILY MEAN	3.8	Jan 27	6.0	Feb 3	1.0	Aug 5 1992
ANNUAL SEVEN-DAY MINIMUM	4.6	Jan 22	9.3	Jan 31	1.1	Aug 8 1992
ANNUAL RUNOFF (AC-FT)	10470		15780		10000	
10 PERCENT EXCEEDS	23		36		26	
50 PERCENT EXCEEDS	13		17		10	
90 PERCENT EXCEEDS	6.6		12		3.9	

e Estimated

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in $SE^1/_4SE^1/_4$ 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 mi^2.

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 sea level, from river-profile map. Oct. 31, 1941 to Nov. 30, 1943, at site 200 ft downstream at different datum.

REMARKS.--Records fair 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 $ft^3/_s$ Mar. 25, 1956; minimum recorded, 0.24 $ft^3/_s$ Apr. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 798 $ft^3/_s$ May 24, minimum daily discharge, 70 $ft^3/_s$ Sept. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e230	434	686	490	e140	e86
2	---	---	---	---	---	---	e240	421	637	590	e130	e86
3	---	---	---	---	---	---	e240	399	609	566	e120	e85
4	---	---	---	---	---	---	221	396	553	549	e120	e85
5	---	---	---	---	---	---	212	389	531	547	e130	e82
6	---	---	---	---	---	---	197	385	468	556	e120	e79
7	---	---	---	---	---	---	219	384	456	573	e110	e77
8	---	---	---	---	---	---	291	369	476	577	e100	e76
9	---	---	---	---	---	---	349	353	506	576	e100	e74
10	---	---	---	---	---	---	474	368	507	e640	e98	e73
11	---	---	---	---	---	---	544	373	511	e600	e96	e73
12	---	---	---	---	---	---	622	395	590	e483	e96	e74
13	---	---	---	---	---	---	687	383	655	e447	e94	e74
14	---	---	---	---	---	---	707	326	672	e401	e86	e76
15	---	---	---	---	---	---	652	369	746	e371	e80	e72
16	---	---	---	---	---	---	564	425	759	e358	e80	e70
17	---	---	---	---	---	---	498	422	764	e357	e80	e88
18	---	---	---	---	---	---	457	380	732	e364	e80	e91
19	---	---	---	---	---	---	444	493	662	e341	e88	e90
20	---	---	---	---	---	---	441	508	595	e297	e86	e89
21	---	---	---	---	---	---	438	573	496	e266	e82	e88
22	---	---	---	---	---	---	425	620	479	e253	e84	e94
23	---	---	---	---	---	---	416	738	438	e235	e85	e87
24	---	---	---	---	---	---	400	798	409	e207	e86	e83
25	---	---	---	---	---	---	393	743	395	e191	e86	e81
26	---	---	---	---	---	---	394	687	353	e179	e87	e82
27	---	---	---	---	---	---	424	663	326	e166	e90	e86
28	---	---	---	---	---	---	448	659	336	e167	e90	e88
29	---	---	---	---	---	---	452	679	334	e150	e90	e88
30	---	---	---	---	---	---	447	695	453	e161	e89	e86
31	---	---	---	---	---	---	---	701	---	e148	e87	---
TOTAL	---	---	---	---	---	---	12526	15528	16134	11806	2990	2463
MEAN	---	---	---	---	---	---	418	501	538	381	96.5	82.1
MAX	---	---	---	---	---	---	707	798	764	640	140	94
MIN	---	---	---	---	---	---	197	326	326	148	80	70
AC-FT	---	---	---	---	---	---	24850	30800	32000	23420	5930	4890

e Estimated

10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ 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 mi^2.

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 sea level, 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 down-stream at different datum.

REMARKS.--Records fair, 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 ft$^3/_s$ June 4, 1986, gage height, 5.66 ft; minimum, 21 ft$^3/_s$ Mar. 29, 1975, Jan. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1420 ft$^3/_s$ June 10, gage height, 4.19 ft; minimum daily discharge, 45 ft$^3/_s$ Jan. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	68	79	e80	e86	e80	88	273	736	559	202	130
2	98	70	75	e90	e64	e60	100	284	771	547	200	129
3	100	71	60	e70	e57	e50	102	293	864	533	194	128
4	100	69	61	e60	e50	e54	105	298	1010	515	194	125
5	97	72	62	e50	e52	e54	106	311	1160	525	192	125
6	96	71	71	e64	e60	e70	113	346	1230	479	188	126
7	97	70	78	e50	e60	e65	124	364	1180	455	186	123
8	95	74	79	e50	e60	e62	154	384	1190	433	182	121
9	95	81	77	e45	e70	e68	196	407	1230	e423	181	119
10	93	68	79	e58	e100	e64	245	480	1360	e406	178	119
11	93	69	78	e53	e90	e62	256	503	1330	385	172	118
12	91	83	e80	e60	e100	e64	232	625	1230	369	173	117
13	88	85	e81	e84	e88	e60	209	728	1140	353	175	115
14	87	80	e82	e70	e80	57	195	843	1100	327	176	115
15	87	74	e74	e60	e58	58	199	843	1070	298	171	116
16	84	70	e53	e70	e58	57	210	924	1040	276	165	117
17	82	66	e65	e74	e74	48	216	e880	997	275	162	122
18	86	66	e84	e70	e70	52	210	e840	954	257	160	118
19	84	65	e90	e90	e66	54	203	e800	863	248	155	115
20	88	65	e72	e80	e100	56	197	e780	791	232	154	114
21	88	66	e62	e60	e95	63	192	e750	753	227	151	110
22	83	67	e58	e70	e95	67	186	e730	721	224	148	107
23	82	67	e58	e80	e90	71	179	e720	703	223	146	106
24	81	67	e64	e84	e80	72	196	700	679	221	144	106
25	85	68	e52	e60	e68	66	216	699	661	212	142	105
26	89	72	e51	e50	e88	66	235	722	649	217	141	105
27	83	69	e51	e58	e82	74	259	712	665	208	140	104
28	82	71	e52	e50	e81	76	242	733	657	209	143	103
29	82	76	e52	e54	e80	79	246	737	610	211	137	102
30	81	78	e53	e60	---	77	261	784	578	215	133	100
31	78	---	e60	e66	---	80	---	754	---	207	133	---
TOTAL	2753	2138	2093	2020	2202	1986	5672	19247	27922	10269	5118	3460
MEAN	88.8	71.3	67.5	65.2	75.9	64.1	189	621	931	331	165	115
MAX	100	85	90	90	100	80	261	924	1360	559	202	130
MIN	78	65	51	45	50	48	88	273	578	207	133	100
AC-FT	5460	4240	4150	4010	4370	3940	11250	38180	55380	20370	10150	6860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1996, BY WATER YEAR (WY)

MEAN	91.1	78.4	69.3	63.6	61.3	62.8	161	542	631	297	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	45.3	40.1	38.1	39.5	58.6	99.1	96.2	61.4	55.1	52.1
(WY)	1978	1978	1995	1988	1988	1988	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1943 - 1996	
ANNUAL TOTAL	73291		84880			
ANNUAL MEAN	201		232		194	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					17 .1	1977
HIGHEST DAILY MEAN	1070	Jun 15	1360	Jun 10	2000	Jun 4 1986
LOWEST DAILY MEAN	38	Jan 1	45	Jan 9	32	Dec 6 1993
ANNUAL SEVEN-DAY MINIMUM	42	Jan 17	53	Jan 5	35	Dec 1 1993
ANNUAL RUNOFF (AC-FT)	145400		168400		140400	
10 PERCENT EXCEEDS	572		721		521	
50 PERCENT EXCEEDS	97		100		91	
90 PERCENT EXCEEDS	52		60		58	

e Estimated

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ 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 mi^2.

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 sea level, 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 ft$^3/_s$ June 7, 1983, gage height, 8.75 ft; minimum, 31 ft$^3/_s$ Oct. 4, 5, 6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1920 ft$^3/_s$ June 15, gage height, 5.69 ft; minimum discharge, 131 ft$^3/_s$ Sept. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	256	292	e310	e195	e440	e550	806	1680	1040	318	165
2	219	210	291	e290	e170	e400	e540	799	1590	1110	308	165
3	215	227	276	e360	e195	e450	e560	767	1590	1130	301	164
4	221	233	285	e300	e220	e500	511	730	1570	1070	298	163
5	222	239	297	e250	e260	e540	479	738	1610	1070	307	157
6	219	246	309	e300	e340	e450	475	762	1590	1030	293	153
7	216	240	308	e330	e450	e410	473	783	1550	1010	289	148
8	219	232	298	e340	e600	e440	572	800	1550	991	272	147
9	221	257	298	e370	e540	e400	705	794	1650	957	271	143
10	218	272	317	e400	e520	e430	826	829	1730	1000	263	140
11	217	266	304	e360	e460	e460	1000	844	1730	987	259	140
12	219	297	317	e310	e380	e500	998	964	1780	929	247	142
13	215	360	330	e310	e400	e520	1010	1090	1830	861	238	142
14	218	355	321	e310	e400	e440	1020	1160	1860	772	228	147
15	223	334	301	e400	e450	e410	991	1220	1890	714	221	139
16	221	320	304	e480	e500	e460	932	1330	1880	688	215	144
17	226	306	301	e400	e580	e520	865	1430	1840	686	205	169
18	259	297	305	e280	e540	e450	806	1460	1760	701	207	175
19	233	295	251	e330	e580	e400	769	1560	1610	656	210	173
20	227	298	240	e370	e610	e450	752	1460	1450	571	214	172
21	232	290	245	e350	e540	e500	738	1420	1270	511	211	170
22	242	291	314	e300	e480	e510	715	1400	1200	486	204	180
23	238	287	303	e250	e530	e560	706	1540	1120	452	193	167
24	240	282	270	e300	e400	e640	706	1790	1060	398	189	159
25	248	281	267	e340	e350	e640	730	1780	1010	368	183	155
26	258	291	260	e260	e390	e540	726	1690	968	345	173	158
27	256	292	311	e290	e260	e460	783	1600	968	320	169	166
28	246	287	e320	e320	e220	e430	795	1680	970	321	173	170
29	241	285	e330	e290	e240	e470	791	1710	918	334	174	169
30	243	293	e340	e260	---	e530	802	1790	980	347	172	166
31	260	---	e340	e240	---	e540	---	1740	---	342	168	---
TOTAL	7153	8419	9245	10000	11800	14890	22326	38466	44204	22197	7173	4748
MEAN	231	281	298	323	407	480	744	1241	1473	716	231	158
MAX	260	360	340	480	610	640	1020	1790	1890	1130	318	180
MIN	215	210	240	240	170	400	473	730	918	320	168	139
AC-FT	14190	16700	18340	19830	23410	29530	44280	76300	87680	44030	14230	9420

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1996, BY WATER YEAR (WY)

MEAN	218	229	201	183	211	374	694	1009	1254	597	241	199
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	86.2	82.4	116	69.2	115	96.7	71.4	80.1	55.9
(WY)	1978	1978	1978	1993	1993	1988	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1955 - 1996	
ANNUAL TOTAL	174881		200621			
ANNUAL MEAN	479		548		451	
HIGHEST ANNUAL MEAN					1049	1984
LOWEST ANNUAL MEAN					112	1977
HIGHEST DAILY MEAN	2300	Jun 16	1890	Jun 15	5400	Jun 7 1983
LOWEST DAILY MEAN	110	Jan 25	139	Sep 15	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	118	Jan 21	142	Sep 9	36	Oct 1 1977
ANNUAL RUNOFF (AC-FT)	346900		397900		326700	
10 PERCENT EXCEEDS	1320		1290		1120	
50 PERCENT EXCEEDS	298		340		227	
90 PERCENT EXCEEDS	152		178		113	

e Estimated

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in $NE^1/_4NE^1/_4NE^1/_4$ 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 mi^2.

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 above sea level, 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 $ft^3/_s$ June 7, 1983, gage height, 9.69 ft; minimum, 24 $ft^3/_s$ Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,180 $ft^3/_s$ May 30, gage height, 6.72 ft; minimum discharge, 108 $ft^3/_s$ Sept. 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	274	299	e310	e195	e440	559	979	2090	1180	375	166
2	206	219	299	e290	e170	e400	612	958	1990	1270	350	167
3	203	232	295	e360	e195	e450	679	939	1920	1390	340	155
4	207	e264	290	e300	e220	e500	670	898	1890	1320	329	152
5	210	244	309	e250	e260	e540	617	902	1880	1300	333	139
6	206	257	315	e300	e340	e450	615	935	1910	1280	321	132
7	207	244	313	e330	e450	e410	638	982	1810	1230	313	127
8	209	236	310	e340	e600	e440	730	1000	1770	1220	295	125
9	208	257	298	e370	e540	e400	898	992	1800	1200	292	122
10	211	278	325	e400	e520	e430	1030	996	1890	1210	282	119
11	217	270	313	e360	e460	e460	1230	1020	1930	1210	272	118
12	208	288	317	e310	e380	e500	1270	1090	1950	1170	263	121
13	201	363	339	e310	e400	e520	1280	1230	1980	1080	248	121
14	201	363	336	e310	e400	e440	1270	1310	2020	978	245	123
15	207	342	312	e400	e450	e410	1250	1360	2040	901	237	123
16	207	331	303	e480	e500	e460	1190	e1470	2050	862	228	120
17	206	316	313	e400	e580	e520	1110	1620	2030	859	219	137
18	250	303	324	e280	e540	e450	1060	1750	1960	841	221	147
19	241	297	e260	e330	e580	e400	1000	1880	1850	805	217	144
20	235	310	e250	e370	e610	500	983	1850	1700	706	217	146
21	238	294	e250	e350	e540	513	959	1760	1530	640	207	140
22	e246	296	e315	e300	e480	563	937	1720	1430	589	205	147
23	e247	290	e305	e250	e530	637	904	1770	1330	548	193	143
24	245	288	e270	e300	e400	641	889	1980	1260	496	190	134
25	255	285	e270	e340	e350	549	906	2120	1210	450	187	132
26	260	295	e260	e260	e390	466	908	2070	1180	425	176	129
27	264	299	e315	e290	e260	432	959	2020	1160	390	169	137
28	255	300	e320	e320	e220	430	995	2000	1180	389	173	142
29	248	290	e330	e290	e240	473	989	2090	1160	399	176	143
30	246	300	e340	e260	---	526	992	2140	1130	406	174	142
31	267	---	e340	e220	---	541	---	2150	---	399	171	---
TOTAL	7019	8625	9435	9980	11800	14891	28129	45981	51030	27143	7618	4093
MEAN	226	287	304	322	407	480	938	1483	1701	876	246	136
MAX	267	363	340	480	610	641	1280	2150	2090	1390	375	167
MIN	201	219	250	220	170	400	559	898	1130	389	169	118
AC-FT	13920	17110	18710	19800	23410	29540	55790	91200	101200	53840	15110	8120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1996, BY WATER YEAR (WY)

MEAN	207	225	200	185	211	386	753	1014	1156	524	220	177
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	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1938 - 1996	
ANNUAL TOTAL	181032		225744			
ANNUAL MEAN	496		617		438	
HIGHEST ANNUAL MEAN					1068	1983
LOWEST ANNUAL MEAN					103	1977
HIGHEST DAILY MEAN	2430	Jun 16	2150	May 31	4840	Jun 8 1983
LOWEST DAILY MEAN	110	Jan 25	118	Sep 11	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	117	Jan 21	121	Sep 10	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	359100		447800		317500	
10 PERCENT EXCEEDS	1410		1490		1130	
50 PERCENT EXCEEDS	300		355		225	
90 PERCENT EXCEEDS	150		176		110	

e Estimated

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ 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 sea level, (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, Dec. 8, 9, Dec. 18-29, Dec. 31 to Jan. 28, Feb. 8-16, Feb. 21 to Mar. 3, and Mar. 6-26, which are poor. Canal diverts from Bear River at Stewart Dam in NE$^1/_4$ 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.--74 years, 363 ft$^3/_s$, 262,990 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft$^3/_s$ May 27, 1984; no flow Apr. 28, 1977 and Oct. 1, 1979.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	270	290	230	217	200	563	1020	1870	759	350	56
2	174	271	296	233	223	206	615	1010	1810	806	340	53
3	174	227	291	206	210	210	669	995	1750	897	319	84
4	170	214	290	221	207	189	720	979	1700	1020	304	144
5	173	237	289	237	207	204	706	942	1630	1010	282	127
6	186	261	303	232	213	233	682	952	1610	1020	273	120
7	236	244	306	222	207	221	701	990	1650	1010	281	113
8	238	241	297	224	207	248	754	987	1610	944	268	112
9	195	248	289	236	201	262	843	970	1580	908	254	106
10	192	255	277	233	192	245	971	960	1520	872	257	94
11	194	269	287	249	213	260	1110	977	1530	888	250	89
12	216	277	285	236	229	289	1300	1000	1560	899	233	91
13	229	303	296	226	223	340	1310	1080	1550	854	229	93
14	216	365	302	213	213	386	1300	1190	1550	800	228	90
15	210	369	301	204	210	469	1280	1230	1580	721	231	89
16	214	354	281	198	213	483	1240	1270	1580	678	226	91
17	216	345	273	210	204	479	1180	1430	1590	715	224	98
18	216	328	272	246	176	530	1140	1560	1550	687	219	111
19	223	307	227	253	184	562	1080	1660	1470	690	215	117
20	250	298	207	213	186	523	1030	1730	1360	669	213	109
21	245	305	212	207	192	504	1010	1680	1180	594	217	110
22	236	296	233	210	236	540	975	1580	1030	548	213	114
23	243	291	239	220	256	572	945	1510	932	505	209	125
24	248	286	266	267	243	709	909	1530	799	464	198	125
25	249	278	265	285	267	594	880	1680	700	419	192	119
26	238	281	250	236	396	517	903	1820	680	374	187	116
27	247	287	239	229	323	459	900	1810	664	357	179	118
28	249	293	218	253	240	445	957	1770	675	330	166	122
29	255	292	208	239	221	453	1010	1750	717	341	164	132
30	255	284	216	226	---	491	1000	1820	699	355	164	137
31	243	---	228	220	---	536	---	1840	---	353	165	---
TOTAL	6800	8576	8233	7114	6509	12359	28683	41722	40126	21487	7250	3205
MEAN	219	286	266	229	224	399	956	1346	1338	693	234	107
MAX	255	369	306	285	396	709	1310	1840	1870	1020	350	144
MIN	170	214	207	198	176	189	563	942	664	330	164	53
AC-FT	13490	17010	16330	14110	12910	24510	56890	82760	79590	42620	14380	6360

CAL YR 1995 TOTAL 170245 MEAN 466 MAX 1970MIN74AC-FT337700
WTR YR 1996 TOTAL 192064 MEAN 525 MAX 1870MIN 53AC-FT 381000

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE$^1/_4$ 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 mi^2, 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, 934,000 acre-ft July 18, 19, elevation, 5,916.66 ft; minimum, 541,000 acre-ft Oct. 13-Nov. 6, elevation, 5,910.75 ft.

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

5,905	179,500	5,915	821,000
5,910	492,300	5,917	956,900

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	544	541	565	576	592	618	659	723	846	930	929	875
2	544	541	565	576	593	619	661	725	851	930	927	872
3	544	541	565	576	594	619	661	727	855	930	927	871
4	544	541	566	577	594	621	662	729	860	930	926	870
5	544	541	566	577	595	622	662	731	866	930	925	868
6	544	541	567	577	596	622	664	733	866	931	923	867
7	544	542	568	578	596	623	665	735	873	932	922	866
8	544	545	569	578	597	624	668	737	877	932	921	864
9	544	546	570	578	598	624	669	739	881	932	920	862
10	543	547	570	578	598	626	670	741	885	933	918	860
11	542	548	571	579	599	627	673	743	891	933	916	858
12	542	549	572	579	600	628	676	745	895	933	914	856
13	541	551	573	580	600	629	677	749	899	933	912	855
14	541	554	574	580	601	632	680	753	899	933	909	853
15	541	554	574	580	602	634	683	757	906	933	906	851
16	541	557	574	581	602	635	684	757	909	933	904	850
17	541	558	574	581	603	636	686	766	912	933	901	848
18	541	559	575	581	603	639	689	773	914	934	900	846
19	541	559	575	583	604	641	692	777	915	934	897	845
20	541	560	575	584	605	645	695	784	918	933	897	843
21	541	561	576	585	606	646	698	784	920	932	897	841
22	541	561	576	586	607	648	701	798	923	926	897	839
23	541	561	576	587	609	649	704	801	924	933	895	838
24	541	562	576	587	610	651	707	805	925	933	894	838
25	541	562	576	587	611	653	711	811	925	933	893	837
26	541	562	576	588	613	654	715	816	926	933	891	837
27	541	563	576	589	614	655	717	822	927	933	888	837
28	541	563	576	589	615	656	719	828	928	932	885	837
29	541	564	576	590	617	657	720	833	929	932	883	836
30	541	564	576	591	---	658	722	839	929	932	880	836
31	541	---	576	591	---	659	---	842	---	930	877	---
MAX	544	564	576	591	617	659	722	842	929	934	929	875
MIN	541	541	565	576	592	618	659	723	846	926	877	836
(#)	5910.75	5911.11	5911.30	5911.53	5911.92	5912.56	5913.52	5915.31	5916.59	5916.61	5915.83	5915.22
(*)	-4	+23	+12	+15	+26	+42	+63	+120	+87	+1	-53	-41

CAL YR 1995 (*) +277
WTR YR 1996 (*) +291

(#) 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 above sea level, unadjusted.

REMARKS.--Records fair. 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.--74 years, 405 $ft^3/_s$, 293,420 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 $ft^3/_s$ June 19-21, 1986; minimum daily discharge, 1.0 $ft^3/_s$ for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	537	678	575
2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	562	642	590
3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	585	643	586
4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	602	636	563
5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	627	631	529
6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	635	549	485
7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	629	521	476
8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	625	534	473
9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	629	526	390
10	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	614	534	270
11	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	671	530	258
12	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	749	609	314
13	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	790	689	316
14	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	861	693	261
15	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	907	734	240
16	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	934	787	240
17	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	885	804	209
18	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	861	809	5.0
19	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	819	852	5.0
20	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	818	868	5.0
21	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	238	818	861	5.0
22	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	522	733	846	5.0
23	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	530	623	815	5.0
24	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	533	656	827	5.0
25	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	505	702	828	5.0
26	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	497	754	826	5.0
27	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	517	752	822	5.0
28	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	530	767	777	5.0
29	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	529	775	660	5.0
30	5.0	5.0	5.0	5.0	---	5.0	5.0	5.0	531	821	601	5.0
31	5.0	---	5.0	5.0	---	5.0	---	5.0	---	744	510	---
TOTAL	155.0	150.0	155.0	155.0	145.0	155.0	150.0	155.0	5032.0	22485	21642	6840.0
MEAN	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	168	725	698	228
MAX	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	533	934	868	590
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	537	510	5.0
AC-FT	307	298	307	307	288	307	298	307	9980	44600	42930	13570

CAL YR 1995	TOTAL 56892.6	MEAN 156	MAX 964	MIN 5.0	AC-FT 112800
WTR YR 1996	TOTAL 57219.0	MEAN 156	MAX 934	MIN 5.0	AC-FT 113500

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in $SW^1/_4SW^1/_4SE^1/_4$ 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 mi^2.

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 recorded. Elevation of gage is 5,900 ft above sea level, from topographic map. Prior to Oct. 1, 1988 at datum 0.35 ft lower.

REMARKS.--Records fair 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 $ft^3/_s$ June 21, 1986; minimum daily, 23 $ft^3/_s$ Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,120 $ft^3/_s$ July 16; minimum daily discharge, 56 $ft^3/_s$ Feb. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	102	183	e100	e60	e82	291	290	727	778	770	528
2	81	88	186	e90	e56	e100	345	292	710	763	710	615
3	78	93	181	e97	e58	e120	394	287	683	790	686	633
4	80	102	197	e93	e68	e120	459	283	735	832	680	626
5	77	96	203	e80	e76	e130	498	269	763	944	675	595
6	77	103	221	e74	e84	e110	524	261	704	935	648	543
7	76	91	232	e80	e90	e115	566	263	613	894	544	500
8	81	98	196	e78	e86	e110	628	264	566	856	576	501
9	80	117	187	e80	e82	e120	614	270	551	822	554	506
10	76	120	162	e84	e76	e125	563	275	569	790	557	476
11	75	111	141	e80	e74	e130	514	292	582	755	559	424
12	74	127	140	e66	e70	e135	492	303	548	860	564	425
13	74	142	157	e66	e74	e130	466	309	501	891	698	404
14	75	155	160	e68	e78	e120	446	381	441	980	737	349
15	75	143	153	e72	e80	e110	410	324	409	1020	756	279
16	76	130	155	e76	e76	e120	395	335	378	1120	819	247
17	76	181	136	e74	e86	e130	397	374	354	1060	858	245
18	76	211	168	e60	e98	e110	389	438	319	1050	870	241
19	74	196	158	e66	e90	e100	387	508	302	967	872	131
20	74	187	148	e70	e100	e110	394	567	287	943	941	89
21	76	182	130	e68	e94	e130	387	595	273	928	928	87
22	83	186	131	e64	e94	e160	372	583	640	918	936	92
23	82	177	124	e60	e84	e150	341	610	758	776	898	88
24	81	172	110	e64	e90	e130	316	593	767	711	881	85
25	77	168	109	e68	e84	e120	311	592	771	711	888	85
26	81	171	108	e64	e80	e140	307	590	740	783	889	82
27	82	174	109	e68	e74	e190	297	618	747	786	889	85
28	84	175	110	e70	e70	240	296	646	751	776	882	83
29	85	183	115	e72	e70	241	297	738	759	800	766	82
30	86	188	122	e72	---	252	293	747	777	798	663	80
31	98	---	134	e70	---	254	---	739	---	843	562	---
TOTAL	2465	4369	4766	2294	2302	4334	12389	13636	17725	26880	23256	9206
MEAN	79.5	146	154	74.0	79.4	140	413	440	591	867	750	307
MAX	98	211	232	100	100	254	628	747	777	1120	941	633
MIN	74	88	108	60	56	82	291	261	273	711	544	80
AC-FT	4890	8670	9450	4550	4570	8600	24570	27050	35160	53320	46130	18260

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-54, 1970-96, BY WATER YEAR (WY)

MEAN	447	456	473	436	385	380	427	561	925	1173	1006	663
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1923-54, 1970-96	
ANNUAL TOTAL	112729		123622			
ANNUAL MEAN	309		338		614	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1110	Aug 25	1120	Jul 16	4280	Jun 21 1986
LOWEST DAILY MEAN	45	Feb 13	56	Feb 2	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	55	Jan 19	65	Jan 18	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	223600		245200		445000	
10 PERCENT EXCEEDS	841		784		1330	
50 PERCENT EXCEEDS	192		189		490	
90 PERCENT EXCEEDS	72		75		76	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in $NW^1/_4SW^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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, Nov. 1 to Mar.26, which are poor. Natural flow of stream effected 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.--43 years, 702 $ft^3/_s$, 508,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 $ft^3/_s$ June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum discharge, 41 $ft^3/_s$ Nov. 16, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,190 $ft^3/_s$ May 31; minimum daily discharge, 130 $ft^3/_s$ Jan. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	185	259	172	143	161	369	487	1120	886	848	553
2	190	168	260	201	143	161	413	492	1090	855	769	646
3	161	166	253	204	143	156	509	497	1050	855	721	667
4	158	178	266	190	145	168	593	488	1050	888	702	662
5	158	177	281	174	147	188	656	474	1090	995	700	637
6	155	171	301	175	140	184	718	460	1080	1000	685	596
7	154	176	307	169	144	178	781	464	1010	967	624	558
8	152	170	287	167	148	175	845	480	941	944	573	570
9	156	197	262	156	147	173	973	492	923	905	598	575
10	158	202	245	151	145	175	1090	499	898	875	582	541
11	153	196	230	145	143	194	1070	509	892	821	601	489
12	149	213	224	135	147	207	959	523	863	861	608	490
13	148	240	255	133	149	208	832	547	813	946	673	473
14	148	239	250	133	153	211	696	574	751	969	785	423
15	152	242	236	130	163	209	654	604	688	1040	802	362
16	151	227	226	138	163	223	619	632	644	1090	838	336
17	151	213	212	137	168	249	638	711	601	1120	901	343
18	153	280	182	138	186	246	644	853	554	1080	928	330
19	153	278	169	142	194	274	616	1100	519	1030	916	221
20	149	263	179	140	186	286	632	1080	503	981	966	185
21	150	253	182	138	171	293	607	1040	462	968	968	182
22	154	248	185	140	165	304	587	1000	569	968	955	186
23	152	245	169	133	164	323	551	967	888	916	946	182
24	158	242	170	139	169	340	533	959	910	749	910	183
25	157	239	166	139	171	337	515	962	901	744	914	182
26	155	247	159	140	166	340	501	997	875	778	915	179
27	154	244	153	144	166	341	504	1070	857	840	911	177
28	155	247	163	142	163	339	493	1100	862	842	913	181
29	158	252	172	138	164	342	487	1110	877	876	823	181
30	159	258	168	140	---	350	485	1170	883	887	694	178
31	175	---	164	141	---	353	---	1190	---	918	620	---
TOTAL	4903	6656	6735	4664	4596	7688	19570	23531	25164	28594	24389	11468
MEAN	158	222	217	150	158	248	652	759	839	922	787	382
MAX	227	280	307	204	194	353	1090	1190	1120	1120	968	667
MIN	148	166	153	130	140	156	369	460	462	744	573	177
AC-FT	9730	13200	13360	9250	9120	15250	38820	46670	49910	56720	48380	22750

CAL YR 1995 TOTAL 152231 MEAN 417 MAX 1060 MIN 123 AC-FT 302000
WTR YR 1996 TOTAL 167958 MEAN 459 MAX 1190 MIN 130 AC-FT 333100

10079000 SODA POINT RESERVOIR AT ALEXANDER, ID

LOCATION.--Lat 42°38'41", long 111°42'44", in $NW^1/_4SE^1/_4NW^1/_4$ 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 mi^2.

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, 14,850 acre-ft May 30-31, elevation, 5,720.18 ft; minimum, 5,773 acre-ft Apr. 26, elevation, 5,707.92 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12790	14070	12500	12930	12830	12050	11770	10470	14710	13370	13400	12920
2	12660	14170	12870	12800	12630	12230	11150	11190	14530	13460	13270	12940
3	12740	14240	13240	12860	12680	12170	10680	11710	14330	13460	13100	13040
4	12800	14320	13300	12860	12730	12130	10280	11770	14350	13510	13020	13170
5	12880	14470	13220	12600	12790	12170	10030	11770	14440	13700	12970	13270
6	12970	14580	13220	12690	12860	12150	9861	11690	14500	13760	12930	13270
7	13030	14640	13180	12760	12690	12090	9830	11660	14480	13730	12910	13270
8	13110	14240	13200	12640	12800	11950	10070	11640	14260	13630	12860	13070
9	13180	13890	13190	12740	12690	12180	10550	11640	14040	13500	12780	13030
10	13270	13600	13220	12810	12820	12420	10850	11660	13980	13420	12810	12970
11	13200	13440	13020	12690	12950	12450	11160	11680	13900	13290	12870	13020
12	13170	13680	12890	12540	12830	12410	11300	11780	13780	13090	12930	13080
13	13200	13780	12800	12600	12750	12310	11320	11810	13570	13090	12960	13110
14	13230	13600	12710	12700	12810	12180	11140	11870	13320	13130	13040	13060
15	13290	13450	12410	12810	12720	12110	10860	11900	13190	13270	13140	12940
16	13090	13230	12710	12960	12600	12080	10470	11800	13140	13470	13060	12840
17	12900	13020	13020	12860	12750	12040	10090	11950	13070	13670	13010	12760
18	12900	13320	12910	12830	12720	12010	9777	12430	13040	13720	12920	12860
19	12980	12720	12910	12640	12670	11760	9458	12720	13020	13710	12840	12860
20	13020	13820	12770	12710	12670	11510	9107	12940	13050	13620	12800	12740
21	13070	13640	12760	12800	12670	11890	8730	12940	12930	13620	12880	12670
22	13160	13450	12640	12640	12550	11990	8239	13280	12370	13620	12890	12690
23	13220	13410	12740	12710	12400	11990	7759	13320	12400	13540	12920	12720
24	13310	13350	12830	12830	12570	12140	7190	13350	12640	13250	12930	12740
25	13390	13260	12930	12640	12760	11980	6377	13500	12790	13040	12930	12750
26	13450	13260	12790	12710	12610	12040	5773	13700	12940	12980	12970	12750
27	13530	13060	12860	12830	12360	11980	6944	14130	13010	13030	12990	12780
28	13620	12900	12800	12890	12260	12000	8074	14480	13080	13080	13040	12800
29	13720	12760	12590	12890	12130	11990	8886	14790	13160	13160	13040	12830
30	13790	12620	12740	12860	---	11910	9701	14850	13260	13330	13140	12850
31	13920	---	12830	12960	---	11880	---	14850	---	13410	13140	---
MAX	13920	14640	13300	12960	12950	12450	11770	14850	14710	13760	13400	13270
MIN	12660	12620	12410	12540	12130	11510	5773	10470	12370	12980	12780	12670
(#)	5719.30	5717.98	5718.20	5718.33	5717.46	5717.19	5714.58	5720.18	5718.64	5718.79	5718.52	5718.22
(*)	+1080	-1300	+210	+130	-830	-250	-2179	+5149	-1590	+150	-270	-290

CAL YR 1995 (*) +20
WTR YR 1996 (*) +10

(#) Elevation, in feet, at end of month.

(*) Change in contents, in thousands of acre-feet.

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in $NE^1/_4SW^1/_4NW^1/_4$ 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 above sea level 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.--84 years, 796 $ft^3/_s$, 576,700 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, 1,350 $ft^3/_s$ May 31; minimum daily discharge, 127 $ft^3/_s$ Oct. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	158	368	173	172	279	792	171	1320	786	1010	708
2	153	151	145	307	303	142	984	172	1310	778	1020	678
3	147	149	142	184	173	277	988	450	1040	806	921	682
4	151	148	421	311	163	282	987	588	1090	798	877	691
5	158	148	490	313	159	298	991	610	1090	858	857	672
6	161	164	436	186	157	279	1010	609	1070	970	841	687
7	165	381	474	184	288	286	1000	603	1080	980	749	690
8	165	424	391	324	153	316	1010	597	1080	658	698	692
9	284	445	385	190	278	142	1010	603	840	733	713	693
10	171	448	382	183	151	140	1020	592	990	790	634	579
11	167	223	467	309	152	277	1000	585	990	862	626	526
12	156	141	476	317	284	345	982	622	1020	948	619	529
13	154	393	469	185	277	350	972	634	1030	970	700	534
14	306	448	476	181	151	353	975	664	907	989	742	535
15	303	447	496	178	282	350	980	742	755	1020	839	485
16	131	441	164	194	280	352	987	816	720	1090	944	459
17	127	353	165	332	148	361	969	766	653	1200	999	404
18	156	148	315	216	286	406	964	986	605	1230	1030	375
19	159	149	304	334	283	459	964	1090	557	1240	1010	349
20	161	374	312	186	284	433	965	1070	496	1170	999	308
21	162	446	314	175	280	172	968	1060	642	1140	972	264
22	162	459	314	308	362	404	962	1050	767	972	975	246
23	160	387	178	171	338	479	958	1060	772	907	982	246
24	159	384	178	171	147	310	1000	1060	752	875	976	247
25	167	385	180	311	147	467	988	1050	766	797	968	248
26	169	378	322	171	348	411	499	1050	763	862	962	250
27	167	459	196	163	346	484	166	1050	768	1020	955	247
28	166	469	321	166	280	403	163	1050	773	1030	945	249
29	165	462	309	171	279	532	164	1200	770	1050	785	251
30	165	460	174	168	---	521	168	1330	776	1070	714	253
31	163	---	174	302	---	536	---	1350	---	1180	707	---
TOTAL	5339	10022	9938	7064	6951	10846	25586	25280	26192	29779	26769	13777
MEAN	172	334	321	228	240	350	853	815	873	961	864	459
MAX	306	469	496	334	362	536	1020	1350	1320	1240	1030	708
MIN	127	141	142	163	147	140	163	171	496	658	619	246
AC-FT	10590	19880	19710	14010	13790	21510	50750	50140	51950	59070	53100	27330

CAL YR 1995	TOTAL 170403	MEAN 467	MAX 1160	MIN 117	AC-FT 338000
WTR YR 1996	TOTAL 197543	MEAN 540	MAX 1350	MIN 127	AC-FT 391800

10080000 BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID

LOCATION.--Lat 42°35'11", long 111°43'51", in $NE^1/_4SE^1/_4NW^1/_4$ 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. Elevation of gage is 5,550 ft above sea level, from topographic map.

REMARKS.--Records fair.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 $ft^3/_s$ June 10, 1986, gage height, 6.77 ft; minimum, 0.74 $ft^3/_s$ Feb. 2, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 334 $ft^3/_s$ May 31; minimum daily discharge, 1.4 $ft^3/_s$ Dec. 3, Mar. 23-26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.7	1.5	1.5	4.2	1.5	44	3.1	319	53	20	14
2	2.9	3.6	1.5	1.6	6.2	1.5	3.1	3.4	318	49	21	5.7
3	3.2	3.3	1.4	1.6	6.4	1.5	2.0	3.1	216	44	19	5.0
4	2.1	3.2	4.1	1.6	6.3	1.6	1.8	2.8	96	44	20	4.9
5	2.1	3.3	165	1.7	6.1	1.7	1.7	2.9	94	47	20	9.5
6	2.2	3.2	225	1.7	4.3	1.5	2.7	2.8	90	44	23	15
7	2.3	4.9	2.2	1.8	4.5	1.6	1.8	3.0	59	44	23	19
8	2.3	4.2	1.8	1.9	5.6	1.6	2.1	2.9	34	43	19	18
9	2.4	4.3	2.6	2.1	7.2	1.7	2.5	2.9	13	42	17	18
10	2.5	3.2	2.9	2.2	9.0	1.6	2.8	2.8	4.6	49	23	18
11	2.6	3.1	2.5	2.3	9.2	1.6	2.6	2.8	4.1	54	18	30
12	2.7	3.1	2.5	2.5	7.8	1.7	2.3	2.9	6.3	50	15	28
13	2.8	3.3	2.3	2.6	6.3	1.6	2.2	2.8	8.8	47	14	30
14	2.9	3.8	2.5	2.8	5.3	1.8	2.1	3.1	7.1	45	13	33
15	3.0	3.5	2.4	3.1	5.0	1.7	2.1	9.7	4.8	36	13	15
16	3.1	3.4	2.3	3.6	5.8	1.7	2.2	17	6.1	24	11	5.8
17	3.3	3.1	2.1	3.3	7.1	2.0	2.4	22	31	17	11	6.2
18	4.9	3.3	1.9	2.9	9.1	5.5	2.3	21	47	16	9.5	6.6
19	4.8	3.0	1.7	2.6	13	3.3	2.5	12	55	16	14	8.5
20	4.8	3.1	2.0	2.4	20	1.8	2.6	12	55	18	18	9.8
21	4.8	3.0	2.0	2.3	29	1.5	3.7	11	60	19	18	6.8
22	4.1	2.8	1.8	2.1	2.8	1.5	3.1	9.8	65	18	20	8.8
23	3.9	2.5	1.7	2.0	1.6	1.4	2.9	2.4	49	18	16	7.3
24	3.3	2.5	1.6	2.0	1.5	1.4	2.9	2.8	47	17	17	6.2
25	3.6	2.4	1.6	2.0	1.5	1.4	2.8	3.1	45	16	18	6.4
26	3.6	2.2	1.5	2.0	1.5	1.4	2.7	4.5	38	18	2.1	6.4
27	3.6	1.9	1.5	2.0	1.5	1.8	2.9	6.8	36	16	29	8.1
28	3.5	1.9	1.5	2.5	1.5	1.5	2.8	5.9	38	21	30	10
29	3.6	8.8	1.5	3.5	1.6	1.5	2.7	159	45	19	17	7.1
30	3.6	22	1.5	3.5	---	1.5	2.8	322	54	20	14	6.0
31	3.7	---	1.5	3.2	---	1.5	---	334	---	21	18	---
TOTAL	101.8	119.6	447.9	72.9	190.9	54.9	117.1	996.3	1945.8	985	540.6	373.1
MEAN	3.28	3.99	14.4	2.35	6.58	1.77	3.90	32.1	64.9	31.8	17.4	12.4
MAX	4.9	22	225	3.6	29	5.5	44	334	319	54	30	33
MIN	2.1	1.9	1.4	1.5	1.5	1.4	1.7	2.4	4.1	16	2.1	4.9
AC-FT	202	237	888	145	379	109	232	1980	3860	1950	1070	740

CAL YR 1995 TOTAL 3871.0MEAN 10.6MAX 225MIN 1.3AC-FT 7680
WTR YR 1996 TOTAL 5945.9MEAN 16.2MAX 334MIN 1.4 AC-FT 1790

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, 10,720 acre-ft Dec. 11, elevation, 4882.46 ft; minimum, 9,286 acre-ft, Aug. 20 and 21, elevation, 4,878.30 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10170	10300	10410	9897	10310	10400	10520	9832	10480	10450	10640	10470
2	10160	10330	10470	10110	10220	10380	9966	9732	10670	10260	10420	10600
3	10100	10520	10450	10180	10300	10370	10380	10060	10520	10310	10380	10410
4	10130	10470	10500	10150	10260	10330	10220	10620	9931	10470	10380	10310
5	10090	10450	10500	10310	10250	10330	10520	10330	9441	10030	10380	10380
6	10120	10350	10310	10450	10280	10310	10330	10060	10030	10010	10430	10480
7	10230	10500	10400	10380	10300	10370	10370	10060	9931	10150	10310	10530
8	10360	10370	10500	9980	10160	10250	10250	9980	10160	10570	10050	10530
9	9787	10380	10500	9980	10260	10250	10480	10080	10230	10420	10310	10470
10	9579	10060	10430	9966	10280	10220	10520	10130	9897	10310	10160	10180
11	9842	10330	10720	10100	10230	10370	10320	9949	10160	10430	10070	10470
12	10400	10280	10260	10500	10280	10350	10480	9849	10110	10530	10030	10220
13	10380	10220	10370	10430	10280	10370	10520	9883	10280	10450	9883	10130
14	10100	10470	10330	10370	10300	10230	10430	10080	10220	10450	9784	10370
15	10110	10350	10180	10260	10350	10260	10500	10060	9815	10200	9651	10230
16	10190	10620	10530	10470	10300	10260	10250	10130	10200	10230	9931	10420
17	10700	10450	9980	10330	10260	10220	10430	10450	9949	10230	9949	10420
18	10500	10230	10220	10350	10180	10160	10250	10580	9377	10450	10100	10260
19	10420	10230	10160	10580	10200	10370	9866	10480	9702	10400	9424	10400
20	10370	10180	10570	10640	9949	10160	10450	10100	9931	10580	9286	10310
21	10520	10220	10030	10560	10370	10300	10310	10480	9997	10230	9286	10350
22	10550	10470	10300	10520	10300	10250	10410	10230	10220	10230	9556	10350
23	10150	10530	10350	10300	10400	10110	10400	10500	10200	10380	9407	10350
24	10160	10330	10260	10250	10260	10380	10550	10250	10410	10500	9797	10300
25	10330	10330	10450	10230	10280	10200	10180	10030	10300	10160	9739	10300
26	10480	10400	10480	10300	10310	10260	10200	10150	10370	10430	9897	10400
27	10410	10620	10250	10400	10330	10150	10180	10150	10380	10260	9569	10530
28	10620	10700	10130	10250	10230	10410	10350	10130	10330	10450	9743	10580
29	10370	10530	10030	10310	10400	10450	10520	10330	10570	10400	9815	10470
30	10520	10370	9883	10410	---	10400	10260	10010	10570	9914	10420	10060
31	10310	---	9801	10250	---	10520	---	10230	---	10220	10400	---
MAX	10700	10700	10720	10640	10400	10520	10550	10620	10670	10580	10640	10600
MIN	9579	10060	9801	9897	9949	10110	9866	9732	9377	9914	9286	10060
(#)	4881.30	4881.45	4879.82	4881.11	4881.54	4881.88	4881.16	4881.06	4882.02	4881.02	4881.54	4880.58
(*)	0	+60	-569	+449	+150	+120	-260	-30	+340	-350	+180	-340

CAL YR 1995 (*) -151
WTR YR 1996 (*) -250

(#) 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 $NE^1/_4SE^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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.--75 years, 872 $ft^3/_s$, 631,760 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 $ft^3/_s$ May 8, 1922; minimum, 3.0 $ft^3/_s$ June 13, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,070 $ft^3/_s$ May 27; minimum daily discharge, 152 $ft^3/_s$ Oct. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	438	307	553	167	382	458	895	443	1360	549	675	716
2	375	205	469	236	226	374	932	490	1630	629	899	584
3	302	277	223	254	363	294	1190	312	2040	461	598	874
4	364	295	369	408	271	480	1130	483	2010	549	808	517
5	334	263	490	253	286	537	1270	1080	1480	785	660	673
6	228	220	595	275	318	542	1560	1110	1150	554	475	500
7	170	293	663	343	311	442	1170	803	1600	684	705	514
8	195	373	586	464	506	476	1180	757	1150	608	631	834
9	767	728	411	249	338	418	1370	807	1280	1040	480	715
10	177	683	482	342	670	383	1580	783	1080	1030	556	612
11	165	428	400	175	321	372	1540	1120	1320	529	528	472
12	337	352	653	295	295	415	1550	714	1150	488	588	707
13	450	367	577	360	301	548	1230	798	959	583	510	604
14	160	467	629	265	438	490	1300	778	1290	546	551	508
15	160	547	654	262	229	531	1360	903	274	675	782	549
16	152	417	297	231	463	554	1150	622	528	631	641	416
17	408	353	440	401	346	586	1360	1010	905	720	446	546
18	341	751	313	246	353	596	1390	1400	244	602	715	556
19	251	280	238	271	512	541	1200	1880	200	867	1050	402
20	226	367	224	425	451	601	1110	1850	244	675	736	503
21	262	271	776	257	336	601	1330	1220	280	756	736	403
22	301	394	245	271	590	413	1120	1390	485	502	746	412
23	422	580	425	401	477	675	1130	1330	552	819	808	385
24	172	547	224	268	388	621	1170	1740	418	761	646	352
25	234	379	264	268	351	502	1380	1330	758	622	798	338
26	326	481	282	360	337	597	1170	1410	477	588	965	325
27	196	410	458	282	404	559	835	2070	773	641	926	322
28	384	472	304	324	449	563	349	1700	460	484	835	443
29	240	638	506	243	370	668	401	1910	495	959	450	351
30	320	380	425	417	---	748	855	1900	605	675	556	843
31	355	---	363	243	---	657	---	1760	---	458	646	---
TOTAL	9212	12525	13538	9256	11082	16242	35207	35903	27197	20470	21146	15976
MEAN	297	417	437	299	382	524	1174	1158	907	660	682	533
MAX	767	751	776	464	670	748	1580	2070	2040	1040	1050	874
MIN	152	205	223	167	226	294	349	312	200	458	446	322
AC-FT	18270	24840	26850	18360	21980	32220	69830	71210	53950	40600	41940	31690

CAL YR 1995	TOTAL 212041	MEAN 581	MAX 1390	MIN 152	AC-FT 420600
WTR YR 1996	TOTAL 227754	MEAN 622	MAX 2070	MIN 152	AC-FT 451700

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in $NW^1/_4NE^1/_4$ 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 mi^2.

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 sea level, 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 except for estimated daily discharges which are poor. 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 $ft^3/_s$ June 14, 1984, gage height, 9.20 ft; minimum daily discharge, 48 $ft^3/_s$ May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,910 $ft^3/_s$ May 27, gage height, 15.95 ft; minimum daily discharge, 193 $ft^3/_s$ June 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	422	595	488	358	573	906	991	2280	401	318	532
2	566	426	566	282	490	572	1380	658	2190	458	698	523
3	515	286	480	468	513	505	1190	587	2370	356	647	600
4	380	411	292	503	632	598	1350	466	2540	253	548	583
5	485	398	562	443	631	1010	1160	999	2460	522	569	487
6	397	438	686	406	643	941	e1300	1110	1810	495	472	515
7	283	263	593	401	634	689	e1400	1030	1860	405	433	538
8	251	494	700	614	749	678	e1500	882	2060	375	506	449
9	559	641	550	602	570	738	e1600	839	1800	544	315	661
10	639	804	534	397	700	586	1730	899	1890	433	383	796
11	242	636	514	443	571	525	1890	1020	1410	406	360	395
12	253	472	821	273	434	704	1770	995	1480	293	346	552
13	539	485	666	552	524	809	1670	897	1250	400	370	549
14	517	456	685	458	521	782	1570	900	1230	431	348	430
15	243	681	745	452	505	705	1530	993	1310	574	427	503
16	233	558	592	329	513	766	1590	1060	582	551	388	471
17	228	694	700	484	645	766	1480	1220	773	579	486	426
18	622	628	272	540	526	722	1600	1840	933	533	490	616
19	441	501	507	336	720	650	1880	2470	276	659	899	376
20	350	401	244	490	831	914	1270	2430	193	672	760	447
21	312	486	706	539	716	799	1560	1830	216	761	553	391
22	384	426	447	419	824	650	1420	1970	218	631	586	354
23	505	560	431	534	694	876	1480	1680	507	533	741	357
24	487	779	453	472	762	793	1390	1880	390	520	498	318
25	260	466	345	365	468	713	1620	2050	456	725	681	329
26	319	541	457	512	529	806	1470	1930	473	372	616	287
27	459	501	634	364	610	720	1260	2530	438	447	849	277
28	270	594	574	464	676	727	792	2720	488	376	623	275
29	510	663	613	394	487	795	719	2420	302	414	706	414
30	336	734	641	378	---	834	804	2660	385	856	311	440
31	522	---	545	497	---	814	---	2400	---	330	513	---
TOTAL	12565	15845	17150	13899	17476	22760	42281	46356	34570	15305	16440	13891
MEAN	405	528	553	448	603	734	1409	1495	1152	494	530	463
MAX	639	804	821	614	831	1010	1890	2720	2540	856	899	796
MIN	228	263	244	273	358	505	719	466	193	253	311	275
AC-FT	24920	31430	34020	27570	34660	45140	83860	91950	68570	30360	32610	27550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1996, BY WATER YEAR (WY)

MEAN	984	1012	1041	1035	1039	1213	1454	1574	1418	1070	952	963
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	250	298	310	412	351	351	403	357	333	393	461	192
(WY)	1993	1993	1982	1993	1993	1991	1992	1988	1989	1995	1993	199

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1971 - 1996	
ANNUAL TOTAL	232853		268538			
ANNUAL MEAN	638		734		1146	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	1750	Jun 9	2720	May 28	4830	Jun 21 1983
LOWEST DAILY MEAN	192	Jul 5	193	Jun 20	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	254	Jul 1	314	Sep 22	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	461900		532600		830300	
10 PERCENT EXCEEDS	1170		1510		2290	
50 PERCENT EXCEEDS	540		558		886	
90 PERCENT EXCEEDS	352		336		323	

e Estimated

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: May 1986 to Sept. 1996 (discontinued).

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, Nov. 11, 1992.

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, 508 mg/L, Apr.11; minimum daily mean, 43 mg/L, Aug. 30.

SEDIMENT LOADS: Maximum daily, 2780 tons, May 28; minimum daily, 37 tons, Aug. 30.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	e106	e131	143	170	120	200	e109	e144	e102	e98	e169	e262
2	e122	e186	117	142	119	184	e87	e66	e146	e193	e169	e261
3	e114	e158	102	81	79	107	e107	e135	e152	e211	219	339
4	e98	e101	e102	e113	126	102	e112	e152	e185	e316	218	380
5	e108	e142	e101	e108	106	167	e105	e125	e185	e315	321	876
6	59	64	e104	e123	105	192	129	158	e188	e327	280	732
7	77	58	61	45	121	205	151	173	e186	e318	279	530
8	72	49	105	156	112	218	161	280	174	365	429	846
9	76	165	e133	e230	e119	e177	142	248	158	262	239	490
10	105	195	e156	e338	e117	e168	116	132	133	263	291	490
11	95	62	e132	e226	e113	e157	126	167	105	174	429	613
12	87	60	e108	e137	147	336	76	56	125	155	350	683
13	89	129	e108	e142	140	280	146	240	137	215	257	578
14	101	153	e106	e130	143	292	130	178	138	208	229	505
15	94	62	e139	e255	122	272	133	173	122	180	231	446
16	107	68	e120	e181	125	205	76	71	134	200	238	504
17	90	55	e140	e263	111	224	145	201	219	397	238	502
18	105	195	e131	e222	e86	e63	132	216	185	277	231	463
19	150	188	e112	e151	e112	e154	84	73	207	420	211	374
20	84	86	e101	e109	e82	e54	124	187	211	515	222	550
21	99	85	e109	e143	e142	e271	134	214	157	320	215	477
22	49	60	e103	e118	e105	e127	153	190	150	340	223	378
23	91	143	e120	e182	e103	e120	144	228	143	280	226	570
24	244	348	e152	e320	e105	e129	e141	e180	173	370	208	454
25	126	90	e107	e134	e95	e88	e105	e103	127	167	231	463
26	153	133	e118	e172	e106	e131	e152	e210	156	231	210	485
27	132	189	e112	e151	e131	e225	e104	e102	107	182	e209	e407
28	103	78	e126	e202	e123	e190	e139	e174	e197	e360	e211	e415
29	138	206	126	236	e129	e213	e117	e124	e145	e191	e230	e494
30	115	107	127	262	e133	e230	e110	e112	---	---	212	505
31	124	176	---	---	e118	e174	e148	e199	---	---	176	399
TOTAL	---	3922	---	5242	---	5655	---	5011	---	7850	---	15471

e Estimated

10092700 BEAR RIVER AT IDAHO-STATE LINE--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	211	535	e283	e756	128	782	103	116	91	78	86	142
2	277	1090	e193	e342	118	696	96	132	134	265	70	110
3	270	864	e173	e274	106	682	80	84	114	213	44	86
4	222	818	e139	e175	96	656	73	50	119	232	67	102
5	241	756	e285	e768	114	761	97	181	125	217	94	134
6	e313	e1100	e298	e894	92	451	109	165	86	114	102	155
7	e320	e1210	e291	e810	108	547	86	106	79	93	109	170
8	e326	e1320	e254	e604	97	527	87	93	102	144	90	130
9	e333	e1440	147	356	114	566	99	153	79	71	119	229
10	431	2020	237	578	116	597	95	122	133	147	101	220
11	508	2600	305	845	108	437	117	119	123	128	71	76
12	383	1860	224	617	104	415	113	91	106	110	92	157
13	241	1130	175	453	97	345	107	125	110	119	106	176
14	e333	e1410	216	535	121	425	105	131	127	129	74	94
15	e329	e1360	232	678	137	584	96	177	139	171	108	168
16	e333	e1430	314	884	103	192	101	163	105	133	115	160
17	e325	e1300	249	995	131	303	130	220	120	201	78	106
18	e333	e1440	406	2160	134	388	141	220	113	177	135	262
19	e351	e1780	374	2490	128	94	147	323	154	368	85	87
20	e312	e1070	248	1630	110	58	127	245	127	262	76	103
21	e332	e1400	135	683	105	61	129	295	162	308	79	84
22	e321	e1230	126	671	86	51	99	193	178	351	46	44
23	e325	e1300	116	527	116	162	116	182	143	345	56	54
24	e320	e1200	109	547	126	134	104	160	81	136	63	54
25	e336	e1470	137	746	122	156	141	288	112	243	51	47
26	e325	e1290	333	1760	110	144	103	108	108	210	69	54
27	e312	e1060	404	2760	105	141	97	128	111	269	55	41
28	e229	e490	380	2780	110	146	116	122	90	155	59	44
29	e209	e406	300	1960	97	79	133	181	87	183	112	146
30	e232	e504	189	1360	93	100	155	369	43	37	81	133
31	---	---	151	982	---	---	89	80	80	125	---	---
TOTAL	---	36883	---	31620	---	10680	---	5122	---	5734	---	3568

YEAR 136758

e Estimated

10105900 LITTLE BEAR RIVER AT PARADISE, UT

LOCATION.--Lat 41°34'32", long 111°51'16" in $NW^1/_4NE^1/_4SE^1/_4$ sec 29, T. 10 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on right bank 1 mi west of Paradise, Utah.

DRAINAGE AREA.--Not determined.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above sea level, from topographic map. Prior to Aug. 11, 1994, 50 ft upstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 $ft^3/_s$ May 7, 1993, gage height, 10.13 ft, site and datum then in use; minimum daily discharge, 4.4 $ft^3/_s$ Feb. 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 621 $ft^3/_s$ Apr. 10, gage height, 8.80 ft; minimum discharge, 21 $ft^3/_s$ Aug. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	46	41	42	41	61	154	438	292	31	30	26
2	40	44	41	40	40	60	384	466	280	29	29	27
3	41	43	41	40	40	61	250	474	276	27	28	28
4	46	43	46	41	40	64	201	462	278	28	26	28
5	45	43	45	40	40	84	176	422	278	29	27	28
6	44	42	52	39	40	76	205	436	236	28	28	28
7	44	42	47	39	44	70	272	411	199	28	28	25
8	44	42	44	39	48	72	394	424	177	26	28	28
9	43	44	43	40	49	81	514	459	153	25	25	30
10	43	43	43	41	50	96	578	405	122	26	25	29
11	42	41	42	40	49	122	546	356	102	25	25	31
12	41	44	45	39	47	182	419	347	88	26	25	31
13	42	44	54	39	47	131	283	419	79	26	24	30
14	43	42	47	40	47	115	206	472	68	25	24	31
15	43	41	44	41	48	131	146	469	62	25	26	36
16	41	41	44	46	49	124	129	470	52	34	26	44
17	41	41	44	76	50	105	304	519	45	34	26	50
18	43	41	40	48	56	98	274	547	45	26	26	47
19	43	41	39	47	61	97	260	509	46	27	27	44
20	44	41	38	45	86	119	227	415	47	26	26	42
21	45	41	39	45	87	152	209	318	47	25	25	41
22	47	41	37	43	99	174	209	280	41	24	26	43
23	46	40	37	42	76	150	248	265	40	24	26	43
24	46	40	38	43	70	104	348	240	48	24	25	43
25	46	40	39	43	69	91	408	222	44	24	26	43
26	47	42	38	42	66	84	391	219	36	24	26	43
27	47	43	38	41	63	87	460	244	36	24	27	43
28	45	42	39	43	60	102	341	311	35	24	28	42
29	45	43	40	42	60	115	287	327	31	26	28	42
30	45	43	41	43	---	110	306	389	31	29	28	42
31	46	---	50	42	---	109	---	324	---	30	27	---
TOTAL	1358	1264	1316	1331	1622	3227	9129	12059	3314	829	821	1088
MEAN	43.8	42.1	42.5	42.9	55.9	104	304	389	110	26.7	26.5	36.3
MAX	47	46	54	76	99	182	578	547	292	34	30	50
MIN	40	40	37	39	40	60	129	219	31	24	24	25
AC-FT	2690	2510	2610	2640	3220	6400	18110	23920	6570	1640	1630	2160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	28.7	29.7	29.7	32.2	42.0	125	258	323	140	26.4	20.5	24.3
MAX	43.8	42.1	42.5	42.9	62.1	173	304	426	291	39.5	26.5	36.3
(WY)	1996	1996	1996	1996	1995	1993	1996	1995	1995	1995	1996	1996
MIN	16.5	20.6	19.0	17.5	14.8	85.8	219	113	19.7	19.1	12.7	16.3
(WY)	1993	1993	1993	1993	1993	1994	1993	1994	1994	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	43828		37358			
ANNUAL MEAN	120		102		90.0	
HIGHEST ANNUAL MEAN					117	1995
LOWEST ANNUAL MEAN					54.3	1994
HIGHEST DAILY MEAN	631	Mar 11	578	Apr 10	768	May 7 1993
LOWEST DAILY MEAN	20	Aug 29	24	Jul 22	4.4	Feb 10 1993
ANNUAL SEVEN-DAY MINIMUM	21	Aug 27	24	Jul 22	6.9	Feb 5 1993
ANNUAL RUNOFF (AC-FT)	86930		74100		65210	
10 PERCENT EXCEEDS	395		307		292	
50 PERCENT EXCEEDS	45		43		34	
90 PERCENT EXCEEDS	23		26		16	

10108400 LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

LOCATION.--Lat 41°44'35", long 111°45'40", in NE$^1/_4$NW$^1/_4$NE$^1/_4$ 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 sea level (Bureau of Public Roads bench mark).

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

AVERAGE DISCHARGE.--33 years, 22.7 ft$^3/_s$, 16,450 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 111 ft$^3/_s$ May 23, 1963, May 28, 1966; no flow at times most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	1.9	.00	e.00	e.00	e.00	.00	.00	28	45	55	53
2	25	1.9	.00	e.00	e.00	e.00	.00	5.2	29	46	55	53
3	24	1.9	.00	e.00	e.00	e.00	.00	14	29	49	55	52
4	23	1.7	.00	e.00	e.00	e.00	.00	24	19	50	56	51
5	23	1.7	.00	e.00	e.00	e.00	.00	29	33	50	55	51
6	23	1.7	.00	e.00	e.00	e.00	.00	31	30	49	55	51
7	23	1.7	.00	e.00	e.00	e.00	.00	33	39	48	54	51
8	23	1.7	.00	e.00	e.00	e.00	.00	33	35	49	56	49
9	23	1.1	.00	e.00	e.00	e.00	.00	33	34	53	55	48
10	22	.26	.00	e.00	e.00	e.00	.00	32	39	54	55	48
11	22	.00	.00	e.00	e.00	e.00	.00	35	42	56	55	48
12	22	.00	.00	e.00	e.00	e.00	.00	37	43	54	56	48
13	21	.00	.00	e.00	e.00	e.00	.00	37	46	55	55	48
14	21	.00	.00	e.00	e.00	e.00	.00	38	46	56	55	48
15	22	.00	.00	e.00	e.00	e.00	.00	44	45	57	55	48
16	21	.00	.00	e.00	e.00	e.00	.00	39	45	48	54	42
17	21	.00	.00	e.00	e.00	e.00	.00	32	44	47	55	38
18	21	.00	.00	e.00	e.00	e.00	.00	18	48	52	55	37
19	21	.00	e.00	e.00	e.00	e.00	.00	8.5	50	51	55	36
20	21	.00	.00	e.00	e.00	.00	.00	18	50	52	55	30
21	21	.00	e.00	e.00	e.00	.00	.00	23	53	54	55	27
22	15	.00	e.00	e.00	e.00	.00	.00	24	53	57	55	27
23	10	.00	e.00	e.00	e.00	.00	.00	24	53	56	55	27
24	9.7	.00	e.00	e.00	e.00	.00	.00	24	53	55	55	27
25	7.5	.00	e.00	e.00	e.00	.00	.00	24	52	55	55	27
26	1.5	.00	e.00	e.00	e.00	.00	.00	24	50	55	53	27
27	1.9	.00	e.00	e.00	e.00	.00	.00	24	47	55	53	27
28	1.9	.00	e.00	e.00	e.00	.00	.00	24	47	55	52	28
29	1.9	.00	e.00	e.00	e.00	.00	.00	23	46	51	52	27
30	1.9	.00	e.00	e.00	---	.00	.00	20	45	51	52	27
31	1.9	---	e.00	e.00	---	.00	---	26	---	55	52	---
TOTAL	524.2	15.56	0.00	0.00	0.00	0.00	0.00	800.70	1273	1620	1690	1201
MEAN	16.9	.52	.000	.000	.000	.000	.000	25.8	42.4	52.3	54.5	40.0
MAX	28	1.9	.00	.00	.00	.00	.00	44	53	57	56	53
MIN	1.5	.00	.00	.00	.00	.00	.00	.00	19	45	52	27
AC-FT	1040	31	.00	.00	.00	.00	.00	1590	2520	3210	3350	2380

CAL YR 1995	TOTAL	5805.25	MEAN 15.9	MAX	55	MIN	.00	AC-FT	11510
WTR YR 1996	TOTAL	7124.46	MEAN 19.5	MAX	57	MIN	.00	AC-FT	14130

e Estimated

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT

LOCATION.--Lat 41°44'36", long 111°46'55", in $NW^1/_4NW^1/_4NE^1/_4$ 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 mi^2.

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. WRD UT-96-1:1995, Combined discharge of Logan River Above State Dam and Logan, Hyde Park and Smithfield Canal at Head.

GAGE.--Water-stage recorder. Elevation of gage is 4,680 ft above sea level, 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 fair. 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: 83 years (water years 1914-96), 148 $ft^3/_s$, 107,200 acre-ft/yr.
Combined river and canal: 100 years, 269 $ft^3/_s$, 194,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 $ft^3/_s$ Mar. 21, 1916, gage height, 5.6 ft; minimum, 5.2 $ft^3/_s$ Feb. 26, 1986, result of hydro-electric plant testing.

Combined river and canal: Maximum discharge observed, 2,480 $ft^3/_s$ May 24, 1907; minimum daily, 50 $ft^3/_s$ Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 1,450 $ft^3/_s$ May 18, gage height, 5.02 ft; minimum daily discharge, 85 $ft^3/_s$, Feb. 2, 3, 4.

Combined river and canal: Maximum daily discharge, 1,260 $ft^3/_s$ June 10; minimum daily discharge, 85 $ft^3/_s$ Feb. 2, 3, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	150	135	124	103	110	167	363	749	519	225	145
2	152	144	137	119	85	110	207	373	786	508	221	142
3	152	141	132	126	85	111	204	372	854	493	217	141
4	161	141	147	126	85	112	196	377	972	476	213	140
5	153	141	142	120	86	120	192	376	1080	465	208	139
6	151	140	159	117	115	112	205	413	1180	453	204	138
7	148	138	145	122	118	108	237	453	1140	430	199	137
8	147	138	139	120	118	109	285	500	1160	410	197	137
9	145	150	137	120	120	111	343	524	1200	390	191	133
10	144	144	136	122	124	113	426	548	1220	375	188	134
11	143	138	135	117	121	116	428	560	1190	360	186	134
12	141	160	139	116	121	126	373	635	1160	349	183	136
13	142	179	154	115	121	125	325	709	1130	338	180	133
14	139	166	142	115	122	125	295	836	1100	328	178	131
15	139	152	138	117	123	127	284	919	1060	321	177	132
16	139	145	136	121	125	130	291	990	1030	345	175	136
17	138	141	134	130	124	131	312	1210	990	342	174	141
18	137	138	132	116	131	131	296	1330	943	309	173	139
19	136	137	127	121	129	132	277	1220	886	298	169	138
20	135	135	123	120	133	137	264	1020	822	288	167	143
21	136	133	121	120	128	149	252	895	769	275	161	143
22	145	133	120	114	129	164	247	841	748	267	158	141
23	146	131	116	112	122	179	248	818	718	261	156	139
24	145	130	117	116	121	165	270	772	684	254	155	138
25	145	130	117	114	120	154	290	756	659	252	154	136
26	155	138	118	116	120	147	314	719	642	248	154	136
27	151	134	117	114	116	144	350	693	625	242	154	134
28	148	134	120	117	108	149	321	723	598	238	153	132
29	147	140	123	116	110	154	312	749	571	241	150	131
30	147	138	127	116	---	148	320	791	537	242	149	130
31	152	---	131	115	---	152	---	760	---	229	147	---
TOTAL	4510	4259	4096	3674	3363	4101	8531	22245	27203	10546	5516	4109
MEAN	145	142	132	119	116	132	284	718	907	340	178	137
MAX	161	179	159	130	133	179	428	1330	1220	519	225	145
MIN	135	130	116	112	85	108	167	363	537	229	147	130
AC-FT	8950	8450	8120	7290	6670	8130	16920	44120	53960	20920	10940	8150

CAL YR 1995	TOTAL	104361	MEAN	286	MAX	1240	MIN	62	AC-FT 207000
WTR YR 1996	TOTAL	102153	MEAN	279	MAX	1330	MIN	85	AC-FT 202600

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

REVISIONS.--Revised figures of discharge for the water year 1995, superseding those published in the report for 1995 are given below.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	109	87	62	90	107	147	247	808	862	381	266
2	123	115	87	75	98	107	152	282	874	830	373	266
3	124	110	88	69	96	105	161	276	997	844	365	269
4	125	101	91	77	94	111	183	275	1010	818	359	268
5	127	111	90	92	95	106	221	287	982	779	357	266
6	123	112	90	84	93	101	253	309	1090	757	352	261
7	114	111	87	84	95	100	257	297	947	751	347	257
8	112	110	80	82	93	104	275	290	991	744	334	259
9	111	107	82	82	94	102	250	300	880	730	336	258
10	110	105	82	86	92	103	228	337	808	715	337	256
11	112	106	81	87	94	147	212	389	798	702	336	254
12	110	107	83	84	93	192	207	431	897	690	330	251
13	109	106	84	84	90	171	219	399	1070	673	326	246
14	116	104	81	86	95	158	251	369	1210	639	320	245
15	126	98	81	91	85	158	240	341	1260	606	317	247
16	114	106	84	87	86	167	230	392	1220	580	313	242
17	114	103	84	87	88	166	227	445	1150	560	305	243
18	117	100	85	86	93	175	222	528	1060	544	302	241
19	112	96	84	83	89	194	227	560	1040	530	297	238
20	110	100	81	78	92	182	213	617	1020	515	294	230
21	113	85	82	77	95	230	210	695	1040	503	291	232
22	110	78	83	75	97	236	203	806	997	492	296	235
23	109	79	86	74	99	204	196	845	963	473	293	230
24	112	88	87	83	98	192	194	729	965	456	293	227
25	111	88	87	84	103	180	195	651	977	444	291	222
26	110	87	87	86	106	166	192	640	970	436	290	222
27	111	84	86	84	111	161	193	590	980	426	286	218
28	112	86	86	84	109	156	212	558	955	415	283	217
29	113	85	85	76	---	151	234	560	925	408	281	218
30	111	86	83	82	---	147	254	604	890	399	279	214
31	109	---	68	86	---	147	---	701	---	393	273	---
TOTAL	3556	2963	2612	2537	2663	4726	6458	14750	29774	18714	9837	7298
MEAN	115	98.8	84.3	81.8	95.1	152	215	476	992	604	317	243
MAX	127	115	91	92	111	236	275	845	1260	862	381	269
MIN	109	78	68	62	85	100	147	247	798	393	273	214
AC-FT	7050	5880	5180	5030	5280	9370	12810	29260	59060	37120	19510	14480

CAL YR 1994 TOTAL 58845 MEAN 161 MAX 641 MIN 68 AC-FT 116700
WTR YR 1995 TOTAL 105888 MEAN 290 MAX 1260 MIN 62 AC-FT 210000

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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	152	135	124	103	110	167	363	777	564	280	198
2	177	146	137	119	85	110	207	378	815	554	276	195
3	176	143	132	126	85	111	204	386	883	542	272	193
4	184	143	147	126	85	112	196	401	991	526	269	191
5	176	143	142	120	86	120	192	405	1110	515	263	190
6	174	142	159	117	115	112	205	444	1210	502	259	189
7	171	140	145	122	118	108	237	486	1180	478	253	188
8	170	140	139	120	118	109	285	533	1190	459	253	186
9	168	151	137	120	120	111	343	557	1230	443	246	181
10	166	144	136	122	124	113	426	580	1260	429	243	182
11	165	138	135	117	121	116	428	595	1230	416	241	182
12	163	160	139	116	121	126	373	672	1200	403	239	184
13	163	179	154	115	121	125	325	746	1180	393	235	181
14	160	166	142	115	122	125	295	874	1150	384	233	179
15	161	152	138	117	123	127	284	963	1100	378	232	180
16	160	145	136	121	125	130	291	1030	1070	393	229	178
17	159	141	134	130	124	131	312	1240	1030	389	229	179
18	158	138	132	116	131	131	296	1350	991	361	228	176
19	157	137	127	121	129	132	277	1230	936	349	224	174
20	156	135	123	120	133	137	264	1040	872	340	222	173
21	157	133	121	120	128	149	252	918	822	329	216	170
22	160	133	120	114	129	164	247	865	801	324	213	168
23	156	131	116	112	122	179	248	842	771	317	211	166
24	155	130	117	116	121	165	270	796	737	309	210	165
25	152	130	117	114	120	154	290	780	711	307	209	163
26	156	138	118	116	120	147	314	743	692	303	207	163
27	153	134	117	114	116	144	350	717	672	297	207	161
28	150	134	120	117	108	149	321	747	645	293	205	160
29	149	140	123	116	110	154	312	772	617	292	202	158
30	149	138	127	116	---	148	320	811	582	293	201	157
31	154	---	131	115	---	152	---	786	---	284	199	---
TOTAL	5034	4276	4096	3674	3363	4101	8531	23050	28455	12166	7206	5310
MEAN	162	143	132	119	116	132	284	744	948	392	232	177
MAX	184	179	159	130	133	179	428	1350	1260	564	280	198
MIN	149	130	116	112	85	108	167	363	582	284	199	157
AC-FT	9980	8480	8120	7290	6670	8130	16920	45720	56440	24130	14290	10530

CAL YR 1995 TOTAL 110163 MEAN 302 MAX 1260 MIN 62 AC-FT 218500
WTR YR 1996 TOTAL 109262 MEAN 299 MAX 1350 MIN 85 AC-FT 216700

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT

LOCATION.--Lat 41°37'25", long 111°44'17", in $SE^1/_4NE^1/_4NE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1913 to September, 1996 (discontinued). 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 sea level, 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 down-stream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. 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 $ft^3/_s$ May 14, 1984, gage height, 7.12 ft, site and datum then in use; minimum, 4.7 $ft^3/_s$ Nov. 28, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Apr. 11	0054	306	4.38	May 18	1825	*471	*6.05

Minimum discharge, 11 $ft^3/_s$ Feb. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	99	89	82	77	93	157	317	239	149	122	106
2	101	96	89	81	70	92	191	342	233	147	120	104
3	102	95	88	81	53	92	177	351	227	146	119	104
4	106	96	99	84	72	94	167	342	224	145	118	104
5	103	97	98	83	77	101	158	341	220	143	117	102
6	103	96	105	80	81	96	165	350	215	143	117	105
7	102	96	97	82	85	95	179	366	204	145	116	104
8	102	95	94	81	89	95	214	362	198	144	117	104
9	102	102	91	81	93	100	227	359	192	140	115	103
10	101	100	89	82	97	105	262	354	188	143	114	103
11	101	96	89	81	100	115	273	345	191	136	114	104
12	101	101	89	81	95	133	238	363	187	137	113	104
13	101	102	96	81	94	132	204	367	183	135	113	104
14	101	96	92	81	94	128	182	375	181	135	113	103
15	101	95	90	81	94	136	177	376	178	136	112	103
16	100	93	89	82	95	141	e185	368	176	143	112	104
17	100	92	88	93	95	134	e240	399	172	142	112	105
18	99	91	87	85	100	131	237	408	172	137	112	104
19	99	91	85	86	103	131	224	e349	173	134	111	103
20	98	90	84	84	109	137	223	e350	166	133	108	102
21	98	90	84	84	109	154	209	e312	165	132	107	102
22	100	90	82	83	111	164	210	e275	167	132	109	101
23	99	89	80	81	104	165	211	e271	170	133	108	101
24	99	89	79	84	102	143	251	265	169	133	108	101
25	99	89	79	83	101	133	284	268	165	133	107	100
26	99	92	79	82	100	127	296	259	164	134	107	101
27	98	91	77	81	98	126	329	260	164	129	107	100
28	98	91	78	83	92	133	289	256	154	124	107	100
29	98	92	81	81	94	149	268	257	150	124	106	100
30	97	90	83	83	---	132	287	273	149	123	106	99
31	99	---	89	82	---	137	---	250	---	121	106	---
TOTAL	3109	2822	2719	2559	2684	3844	6714	10130	5536	4231	3473	3080
MEAN	100	94.1	87.7	82.5	92.6	124	224	327	185	136	112	103
MAX	106	102	105	93	111	165	329	408	239	149	122	106
MIN	97	89	77	80	53	92	157	250	149	121	106	99
AC-FT	6170	5600	5390	5080	5320	7620	13320	20090	10980	8390	6890	611

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1996, BY WATER YEAR (WY)

MEAN	92.2	86.8	81.9	78.4	81.3	103	215	297	171	122	106	96.3
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	42.6	41.2	40.7	42.9	43.5	47.3	63.9	58.6	49.7	45.1	40.9	40.2
(WY)	1993	1993	1991	1991	1942	1942	1931	1934	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1919 - 1996	
ANNUAL TOTAL	47957		50901			
ANNUAL MEAN	131		139		128	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					53.0	1941
HIGHEST DAILY MEAN	303	May 23	408	May 18	1530	May 15 1984
LOWEST DAILY MEAN	52	Jan 1	53	Feb 3	26	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	56	Jan 20	73	Jan 31	35	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	95120		101000		92580	
10 PERCENT EXCEEDS	237		258		228	
50 PERCENT EXCEEDS	108		104		95	
90 PERCENT EXCEEDS	68		83		56	

e Estimated

10116500 CUTLER RESERVOIR NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'13", long 112°02'51", in $NW^1/_4NW^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, Utah Power and Light Co. datum.

REMARKS.--New capacity table being used from Oct. 1, 1992.

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, 15,630 acre-ft Oct. 06, elevation, 4,40750 ft; minimum, 408 acre-ft Nov. 29 and Dec. 27, elevation, 4,402.00 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14640	14290	575	671	12570	15360	15360	13590	13940	13590	13940	14640
2	15360	15360	512	2398	13250	15360	10940	13590	13940	13250	13940	14640
3	15360	13590	501	4655	14640	15360	13590	13590	13250	13590	14640	15000
4	15000	15000	635	6437	14290	15360	13590	12910	12910	13590	14290	15000
5	15360	15000	561	8354	13590	15360	14640	14640	12240	13250	14640	15000
6	15630	15000	603	11910	12240	15360	14640	12570	12570	12910	15000	15000
7	15000	15000	589	14640	13590	14290	13940	13940	11910	13250	15000	15220
8	14640	15000	652	13590	12910	12910	14290	14640	11910	13250	14290	15360
9	13940	15360	603	15000	12910	10020	15360	13250	11910	13590	15000	15360
10	14640	14290	575	15000	12570	9162	15360	13250	11910	13250	14640	15360
11	15360	15000	448	15360	13940	10020	14640	13250	11910	13250	14290	13940
12	13250	15000	428	15000	14290	11910	14640	13590	11910	13250	14290	13250
13	12910	13940	619	13590	13250	12240	14290	13250	11910	12910	12910	14290
14	12910	9162	561	12570	13590	13250	14640	13250	15000	12570	12240	15000
15	13940	8354	635	12570	13940	12570	13940	12570	13590	12570	11260	13940
16	13940	5019	501	13590	12910	12240	13590	15000	13250	12570	10630	13940
17	12570	2963	512	12240	12570	12910	12910	13940	13250	13940	10320	13940
18	10940	2839	512	12240	15360	8887	14640	15360	13250	15360	9731	13250
19	13250	1267	561	13590	14290	12570	14640	15360	13940	15360	9731	14640
20	14290	561	536	13590	15360	13250	14290	15360	13250	12910	10320	14640
21	12570	589	501	13250	15360	12570	14290	15360	14290	13250	11260	14290
22	13250	589	603	13250	15360	13590	13590	15000	14640	13250	11580	12570
23	13250	603	671	13940	15360	14290	13590	12240	15000	14290	11910	14290
24	13250	512	575	14290	15360	13250	12570	12240	15360	13940	12240	14290
25	11260	589	536	10940	14640	13940	11910	12240	13250	13940	12570	14640
26	13250	589	575	13940	15000	10020	13250	12240	14290	15000	12570	13590
27	12910	619	408	13250	15360	10630	13250	12240	15360	15360	13250	13590
28	15000	690	619	13940	14290	15000	15360	12240	13590	15000	13940	13590
29	13250	408	536	15000	15360	15360	11910	12570	13590	15000	13940	13590
30	14290	575	652	14640	---	15360	14640	13940	13590	12240	15360	13250
31	14290	---	548	13250	---	15360	---	12300	---	13940	15000	---
MAX	15630	15360	671	15360	15360	15360	15360	15360	15360	15360	15360	15360
MIN	10940	408	408	671	12240	8887	10940	12240	11910	12240	9731	12570
(#)	4407.35	4402.75	4402.65	4407.20	4407.50	4407.50	4407.40	4407.06	4407.25	4407.30	4407.45	4407.20
(*)	-20	-13715	-27	+12702	+2110	0	-720	-2340	+1290	+350	+1060	-1750

CAL YR 1995 . . . . . (*) -12,382
WTR YR 1996 . . . . . (*) -1,060

(#) 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 SE$^1/_4$ 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.--82 years (water years 1913-81, 1983-96), 52.3 ft$^3/_s$, 37,880 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	23	.00	.00	.00	.00	.00	117	105	167	173	151
2	80	18	.00	.00	.00	.00	.00	122	105	166	172	151
3	69	.00	.00	.00	.00	.00	.00	113	104	168	172	151
4	67	.00	.00	.00	.00	.00	.00	131	119	169	172	152
5	66	.00	.00	.00	.00	.00	.00	178	135	169	169	152
6	58	.00	.00	.00	.00	.00	.00	141	145	169	156	152
7	55	.00	.00	.00	.00	.00	.00	146	156	169	154	145
8	55	.00	.00	.00	.00	.00	.00	151	164	169	155	139
9	55	.00	.00	.00	.00	.00	.00	157	172	169	155	141
10	56	.00	.00	.00	.00	.00	.00	158	172	169	155	139
11	56	.00	.00	.00	.00	.00	.00	157	171	169	155	136
12	54	.00	.00	.00	.00	.00	.00	156	175	163	158	132
13	50	.00	.00	.00	.00	.00	.00	157	176	160	163	132
14	50	.00	.00	.00	.00	.00	.00	159	174	160	164	131
15	51	.00	.00	.00	.00	.00	.00	164	173	154	164	131
16	52	.00	.00	.00	.00	.00	.00	163	173	144	168	115
17	51	.00	.00	.00	.00	.00	.00	162	174	145	170	89
18	50	.00	.00	.00	.00	.00	.00	150	174	149	170	89
19	51	.00	.00	.00	.00	.00	.00	126	174	146	170	89
20	47	.00	.00	.00	.00	.00	.00	126	175	147	169	89
21	42	.00	.00	.00	.00	.00	.00	125	174	150	168	89
22	42	.00	.00	.00	.00	.00	.00	123	168	148	167	89
23	42	.00	.00	.00	.00	.00	.00	118	168	149	166	89
24	42	.00	.00	.00	.00	.00	.00	117	167	149	166	89
25	42	.00	.00	.00	.00	.00	.00	132	167	152	166	89
26	42	.00	.00	.00	.00	.00	80	136	168	158	166	90
27	42	.00	.00	.00	.00	.00	91	130	168	161	167	90
28	42	.00	.00	.00	.00	.00	81	109	166	166	158	89
29	42	.00	.00	.00	.00	.00	98	105	166	166	153	89
30	42	.00	.00	.00	---	.00	95	105	167	168	154	90
31	39	---	.00	.00	---	.00	---	105	---	171	155	---
TOTAL	1620	41.00	0.00	0.00	0.00	0.00	445.00	4239	4795	4959	5070	3499
MEAN	52.3	1.37	.000	.000	.000	.000	14.8	137	160	160	164	117
MAX	88	23	.00	.00	.00	.00	98	178	176	171	173	152
MIN	39	.00	.00	.00	.00	.00	.00	105	104	144	153	89
AC-FT	3210	81	.00	.00	.00	.00	883	8410	9510	9840	10060	6940

CAL YR 1995	TOTAL 22333	MEAN 61.2	MAX 180	MIN .00	AC-FT 44300
WTR YR 1996	TOTAL 24668	MEAN 67.4	MAX 178	MIN .00	AC-FT 48930

10117500 WEST SIDE CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'55", 112°03'36", in $SW^1/_4$ 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.--82 years (water years 1913-81, 1983-95), 252 $ft^3/_s$, 182,570 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	417	194	.00	.00	.00	.00	.00	549	542	766	637	701
2	380	120	.00	.00	.00	.00	.00	551	538	749	637	691
3	376	114	.00	.00	.00	.00	.00	560	538	747	637	693
4	374	108	.00	.00	.00	.00	.00	575	539	747	636	698
5	372	107	.00	.00	.00	.00	.00	722	624	749	635	703
6	348	121	.00	.00	.00	.00	.00	726	634	751	635	700
7	329	147	.00	.00	.00	.00	.00	765	687	750	636	699
8	331	147	.00	.00	.00	.00	.00	793	717	751	593	700
9	328	148	.00	.00	.00	.00	.00	710	718	750	592	700
10	329	.00	.00	.00	.00	.00	.00	739	726	710	591	699
11	324	.00	.00	.00	.00	.00	.00	737	541	696	590	633
12	319	.00	.00	.00	.00	.00	.00	739	686	700	609	587
13	317	.00	.00	.00	.00	.00	.00	736	719	667	646	582
14	319	.00	.00	.00	.00	.00	.00	739	736	648	647	543
15	316	.00	.00	.00	.00	.00	.00	743	737	659	644	542
16	314	.00	.00	.00	.00	.00	.00	739	739	645	643	515
17	304	.00	.00	.00	.00	.00	.00	726	733	622	640	471
18	301	.00	.00	.00	.00	.00	.00	627	728	624	642	470
19	338	.00	.00	.00	.00	.00	.00	638	730	622	651	469
20	430	.00	.00	.00	.00	.00	.00	637	748	623	629	469
21	396	.00	.00	.00	.00	.00	.00	635	761	625	644	471
22	387	.00	.00	.00	.00	.00	.00	629	768	624	648	471
23	385	.00	.00	.00	.00	.00	.00	629	759	631	650	420
24	386	.00	.00	.00	.00	.00	.00	635	760	630	655	381
25	386	.00	.00	.00	.00	.00	.00	630	770	633	658	381
26	376	.00	.00	.00	.00	.00	.00	534	773	629	644	382
27	371	.00	.00	.00	.00	.00	.00	533	772	628	652	380
28	373	.00	.00	.00	.00	.00	.00	536	771	630	675	380
29	375	.00	.00	.00	.00	.00	599	538	768	631	669	381
30	377	.00	.00	.00	---	.00	573	541	773	632	682	380
31	284	---	.00	.00	---	.00	---	540	---	634	698	---
TOTAL	10962	1206.00	0.00	0.00	0.00	0.00	1172.00	20131	21035	20903	19845	16292
MEAN	354	40.2	.000	.000	.000	.000	39.1	649	701	674	640	543
MAX	430	194	.00	.00	.00	.00	599	793	773	766	698	703
MIN	284	.00	.00	.00	.00	.00	.00	533	538	622	590	380
AC-FT	21740	2390	.00	.00	.00	.00	2320	39930	41720	41460	39360	32320

CAL YR 1995	TOTAL 103697.00	MEAN 284	MAX 758	MIN .00	AC-FT 205700
WTR YR 1996	TOTAL 111546.00	MEAN 305	MAX 793	MIN .00	AC-FT 221300

10118000 BEAR RIVER NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'03", long 112°03'16", in NW$^1/_4$SE$^1/_4$ 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 mi^2.

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 RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft above sea level (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.--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 ft$^3/_s$ Feb. 20, 1986, gage height, 8.68 ft; minimum daily, 10 ft$^3/_s$ Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug. 5, 1920.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,620 ft$^3/_s$ May 22, gage height, 6.10 ft; minimum daily, 26 ft$^3/_s$ Aug. 27, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	543	747	1080	801	847	1010	1880	1600	4410	56	31	28
2	393	510	1160	371	61	1420	2370	1690	4420	31	31	28
3	694	922	1110	140	806	1050	1990	1750	4370	31	31	37
4	498	782	1050	532	651	1150	1690	1050	4210	30	284	27
5	755	495	746	94	925	1420	2130	885	4000	31	204	27
6	447	591	1140	122	1150	2170	2380	1920	3980	31	30	27
7	999	987	1220	357	793	2340	2300	1360	4070	30	79	28
8	777	593	1130	986	996	1890	2180	1620	3820	30	30	28
9	283	512	1180	730	1150	2200	2300	1820	3680	30	30	28
10	318	1100	1090	1020	1230	1390	2660	1590	3660	30	30	866
11	765	1370	1110	545	895	1410	2790	1800	3580	30	30	260
12	692	1170	1070	1640	835	976	2940	1640	3500	30	31	472
13	488	1440	1200	728	961	1750	3030	1590	2570	30	30	28
14	515	1750	1460	1030	1040	1870	3100	1550	2480	30	29	331
15	563	1700	1170	790	901	2070	3170	1950	2550	30	29	463
16	649	1340	1320	733	1200	1570	3090	1720	2160	29	30	549
17	635	1580	1110	1420	689	1360	2750	2450	1860	29	29	617
18	385	1420	1120	694	962	2140	2940	2960	987	31	29	564
19	114	1430	918	863	1140	1150	2960	3470	1570	1000	29	421
20	629	1300	873	835	1290	1210	2910	3760	844	1160	28	905
21	606	774	815	1050	1780	1290	2900	4150	628	116	27	711
22	663	1090	857	1290	1810	1980	2780	4410	120	617	28	569
23	784	860	957	727	1610	1280	2680	4110	225	31	27	214
24	629	1100	724	1120	1320	2020	2640	3630	737	390	27	471
25	708	1110	807	1310	1320	1580	2190	3360	605	47	27	381
26	476	987	711	554	1110	2050	2330	3270	28	65	27	411
27	409	1020	700	1190	967	1190	2330	3390	98	153	26	950
28	622	966	781	1330	1140	1010	2780	3550	457	31	27	197
29	573	1030	1140	518	1090	1780	2280	3680	344	565	26	355
30	557	1090	966	1490	---	1610	1440	3930	137	465	27	564
31	548	---	1360	1190	---	1720	---	4270	---	34	27	---
TOTAL	17717	31766	32075	26200	30669	49056	75910	79925	66100	5243	1370	10557
MEAN	572	1059	1035	845	1058	1582	2530	2578	2203	169	44.2	352
MAX	999	1750	1460	1640	1810	2340	3170	4410	4420	1160	284	950
MIN	114	495	700	94	61	976	1440	885	28	29	26	27
AC-FT	35140	63010	63620	51970	60830	97300	150600	158500	131100	10400	2720	20940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1996, BY WATER YEAR (WY)

MEAN	1123	1366	1390	1437	1637	2092	2796	2772	1995	582	434	692
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	80.5	420	312	589	729	792	485	25.0	22.5	15.1	14.0	13.9
(WY)	1993	1903	1903	1935	1989	1934	1934	1992	1960	1977	1981	1979

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1903 - 1996	
ANNUAL TOTAL	442718		426588			
ANNUAL MEAN	1213		1166		1523	
HIGHEST ANNUAL MEAN					4379	1984
LOWEST ANNUAL MEAN					442	1934
HIGHEST DAILY MEAN	4030	Jun 12	4420	Jun 2	12000	Feb 20 1986
LOWEST DAILY MEAN	18	Sep 4	26	Aug 27	7.2	Sep 20 1981
ANNUAL SEVEN-DAY MINIMUM	19	Aug 29	27	Aug 23	7.5	Sep 15 1981
ANNUAL RUNOFF (AC-FT)	878100		846100		1104000	
10 PERCENT EXCEEDS	2780		2780		3250	
50 PERCENT EXCEEDS	1090		964		1240	
90 PERCENT EXCEEDS	30		30		26	

10118000 BEAR RIVER NEAR COLLINSTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1986 to September 1996 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 1,920 mg/L, Oct. 31, 1990; minimum daily mean, 7 mg/L, Nov. 13, 1993.

SEDIMENT LOADS: Maximum daily, 3,200 tons, Oct. 31, 1990; minimum daily, 1.1 tons, Sept. 29, 1992, July 4, 1996.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 213 mg/L, Nov. 23; minimum daily mean, 14 mg/L, July 4,5.

SEDIMENT LOADS: Maximum daily, 1470 tons, June 2; minimum daily, 1.1 tons, July 4.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	52	108	79	159	134	387	e49	e105	e101	e229	83	238
2	36	41	56	72	124	394	e47	e46	e101	e17	100	383
3	72	135	62	157	104	311	e44	e17	e102	e223	66	178
4	99	131	47	90	106	299	e42	e60	e102	e177	87	264
5	101	254	58	82	124	250	59	14	e102	e255	114	436
6	126	149	93	148	92	274	79	26	e103	e319	107	627
7	122	334	74	209	96	322	80	82	e103	e222	76	476
8	100	214	70	116	89	274	98	264	e103	e276	72	370
9	113	85	81	111	106	339	104	205	e103	e323	72	423
10	105	90	57	167	91	268	101	274	e104	e343	83	309
11	114	245	81	303	104	317	81	123	e104	e254	108	411
12	120	235	101	324	121	362	90	400	e104	e235	123	323
13	116	154	106	411	131	424	84	163	e105	e271	119	569
14	114	155	e105	e494	136	530	81	227	e105	e295	117	602
15	117	183	e104	e476	120	376	79	170	e105	e258	82	463
16	119	208	e103	e371	93	329	82	166	e106	e343	112	472
17	128	228	119	522	57	171	97	370	e106	e195	116	440
18	117	119	130	488	74	221	106	200	e106	e278	109	649
19	95	31	147	572	77	191	88	201	e106	e325	94	278
20	88	167	121	424	64	154	60	136	e107	e376	112	375
21	83	133	122	255	78	172	66	185	e107	e516	125	440
22	90	169	126	368	92	207	92	324	e108	e527	88	479
23	75	169	213	499	e79	e203	e98	e191	101	434	e97	e345
24	67	114	e198	e582	e75	e145	e99	e301	75	273	116	631
25	64	127	e176	e527	e71	e156	e99	e347	65	228	98	409
26	87	116	e157	e415	e67	e129	e99	e150	80	236	87	479
27	105	117	e139	e383	e64	e120	e99	e317	57	143	75	236
28	92	153	e124	e326	e61	e128	e100	e359	e48	e146	81	237
29	e92	e144	113	315	e57	e177	e100	e141	63	198	98	459
30	81	112	e121	e357	e55	e142	e100	e404	---	---	74	333
31	80	115	---	---	e52	e190	e101	e323	---	---	96	450
TOTAL	---	4735	---	9723	---	7962	---	6291	---	7915	---	12784

e Estimated

10118000 BEAR RIVER NEAR COLLINSTON, UT--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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	108	553	84	365	117	1390	27	4.1	16	1.3	40	3.0
2	102	657	89	409	123	1470	23	1.9	31	2.6	40	3.0
3	77	420	93	437	122	1450	18	1.5	24	2.0	72	7.4
4	67	308	80	223	96	1090	14	1.1	32	28	57	4.2
5	67	386	89	229	90	969	14	1.2	31	18	39	2.9
6	80	514	113	597	114	1230	15	1.3	39	3.1	39	2.9
7	97	600	97	354	120	1320	20	1.6	e40	e8.5	34	2.6
8	101	593	90	396	118	1210	16	1.3	e38	e3.1	29	2.2
9	89	554	117	577	111	1100	20	1.6	37	3.0	31	2.4
10	e81	e580	95	413	106	1040	34	2.7	38	3.1	60	165
11	e73	e550	103	504	98	949	32	2.5	39	3.2	53	43
12	e66	e524	94	416	93	882	36	2.9	31	2.5	48	59
13	62	507	90	388	79	571	34	2.8	34	2.7	64	4.8
14	e65	e543	94	388	63	428	36	2.9	40	3.1	56	50
15	e68	e583	81	436	65	458	37	2.9	38	3.0	59	73
16	73	611	78	377	66	396	34	2.7	37	3.0	71	107
17	66	493	56	352	64	355	34	2.7	39	3.1	71	118
18	55	434	95	777	73	220	38	3.2	43	3.4	54	82
19	41	329	94	886	99	436	40	113	41	3.2	50	57
20	38	299	80	817	83	203	50	159	42	3.2	39	96
21	42	332	57	629	66	104	41	13	44	3.3	68	141
22	48	359	96	1140	44	17	41	70	43	3.2	67	102
23	65	472	100	1120	58	33	33	2.8	43	3.2	65	38
24	70	497	97	953	63	136	38	40	40	3.0	71	91
25	78	465	83	750	61	108	36	4.6	43	3.1	66	68
26	80	503	73	647	51	3.9	38	6.7	37	2.7	57	63
27	102	639	70	641	38	11	29	11	41	2.9	67	178
28	88	654	88	845	46	61	26	2.1	40	2.9	60	4.4
29	76	472	105	1050	42	44	43	82	40	2.8	e60	e58
30	63	245	101	1070	36	15	27	36	39	2.9	e60	e91
31	---	---	118	1360	---	---	26	2.4	36	2.7	---	---
TOTAL	---	14676	---	19546	---	17699.9	---	583.5	---	135.8	---	1719.8

YEAR 103771.0

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in $NE^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

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 sea level, unadjusted. Auxiliary nonrecording gage 7,800 ft downstream July 27, 1950 to Nov. 21, 1955.

REMARKS.--Records good 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 $ft^3/_s$ May 19, 1984, gage height, 17.50 ft; minimum daily discharge, 47 $ft^3/_s$ Aug. 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,940 $ft^3/_s$ June 2, gage height 12.39 ft; minimum daily discharge, 102 $ft^3/_s$ Aug. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e500	809	1130	1380	e1500	1280	e1980	1730	4800	312	236	116
2	e580	748	1180	1110	e1100	1260	e2250	1680	4910	225	168	116
3	e550	571	1140	632	e300	1560	e2500	1780	4910	195	151	117
4	e740	e938	1120	286	e860	1300	2170	1680	4810	169	147	121
5	e600	e829	1040	347	e820	1390	2020	1200	4590	165	253	119
6	e715	717	908	237	e1050	1780	2290	919	4320	149	183	121
7	e580	759	1140	140	1600	2810	2470	1660	4310	138	210	127
8	e640	933	1270	217	1450	2910	2470	1430	4300	140	145	132
9	e760	753	1170	770	1650	2530	2340	1620	4060	146	145	136
10	e470	657	1220	648	1760	2730	2530	1790	3920	142	124	141
11	e440	1130	1120	902	1750	1910	2880	1630	3840	125	115	e446
12	e700	1280	1150	684	1480	1800	3100	1620	3720	116	119	e541
13	e680	1280	1170	1340	1400	1570	3350	1580	3580	114	114	487
14	e650	1510	1250	936	1430	2020	3440	1570	2560	109	110	287
15	e620	1910	1370	1030	1230	2170	3560	1530	2430	105	110	301
16	e660	1570	1290	746	1230	2350	3530	e1750	2450	127	111	534
17	e770	1410	1320	882	1340	2020	3440	1820	2000	177	110	619
18	754	1600	1180	e1320	972	1810	3070	2460	2070	182	108	679
19	e540	1540	1100	e972	1160	1960	3120	3230	1080	174	103	751
20	e400	1510	916	893	1460	1480	3200	3620	1340	591	103	592
21	e680	1300	831	1010	1820	1560	3210	4040	882	1020	106	839
22	e660	927	729	1150	2180	e1580	3180	4470	540	528	105	837
23	e725	1010	775	1310	2220	e1770	3010	4720	e325	499	112	877
24	e840	927	901	1240	2080	1750	2910	4560	e420	291	115	513
25	e800	1050	856	2060	1820	2020	2830	4100	e800	284	108	578
26	910	1120	905	e2000	1960	2030	2410	3850	590	234	113	525
27	e700	1040	831	e1000	1440	1880	2430	3860	227	164	110	572
28	643	1110	827	e1400	1480	1360	2530	3930	152	179	103	838
29	609	1010	929	e1500	1310	1300	2970	4120	457	195	102	530
30	733	1030	1240	e1000	---	e1800	2330	4280	437	353	104	498
31	700	---	1250	e1680	---	1650	---	4530	---	552	112	---
TOTAL	20349	32978	33258	30822	41852	57340	83520	82759	74830	7900	4055	13090
MEAN	656	1099	1073	994	1443	1850	2784	2670	2494	255	131	436
MAX	910	1910	1370	2060	2220	2910	3560	4720	4910	1020	253	877
MIN	400	571	729	140	300	1260	1980	919	152	105	102	116
AC-FT	40360	65410	65970	61140	83010	113700	165700	164200	148400	15670	8040	25960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-57, 1964-96, BY WATER YEAR (WY)

MEAN	1395	1663	1710	1806	1879	2366	2908	2956	2230	749	646	945
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	95.6	621	535	620	723	913	638	71.8	77.6	72.3	55.2	62.2
(WY)	1993	1995	1995	1993	1993	1991	1992	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1950-57, 1964-96	
ANNUAL TOTAL	474813		482753			
ANNUAL MEAN	1301		1319		1769	
HIGHEST ANNUAL MEAN					5050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	4370	Jun 12	4910	Jun 2	14300	May 19 1984
LOWEST DAILY MEAN	91	Sep 2	102	Aug 29	47	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	98	Aug 30	107	Aug 16	50	Aug 22 1992
ANNUAL RUNOFF (AC-FT)	941800		957500		1281000	
10 PERCENT EXCEEDS	2940		3080		3670	
50 PERCENT EXCEEDS	1120		1030		1410	
90 PERCENT EXCEEDS	123		135		133	

e Estimated

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION (REVISED).--Lat 40°44'14", long 111°14'50", in $NW^1/_4SE^1/_4NE^1/_4$ sec. 15, T. 1 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on right bank 1.5 mi downstream from South Fork, 2.2 mi upstream from Weber-Provo diversion canal, and 3.2 mi northeast of Oakley.

DRAINAGE AREA.--162 mi^2.

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 6,640 ft above sea level, 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 present site at different datum. Oct. 27, 1981 to July 21, 1993 at site 0.3 mi upstream 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, 10,750 acre-ft, (revised).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,170 $ft^3/_s$ June 13, 1921, gage height, 9.0 ft, site and datum then in use, from rating curve extended above 2,000 $ft^3/_s$; minimum observed, 15 $ft^3/_s$ Dec. 9, 1977, minimum discharge, 15 $ft^3/_s$ Dec. 15, 1990, Feb. 27, 1991.

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 16	2200	1,470	3.27	June 10	0640	2,140	3.92

Minimum daily discharge, 43 $ft^3/_s$ Feb. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	e66	70	e65	e56	e76	120	315	637	410	157	118
2	177	71	70	e64	e52	e76	119	333	733	389	156	124
3	173	72	67	e68	e47	e76	110	367	899	363	153	126
4	186	72	73	e67	e43	71	108	398	1120	350	149	125
5	182	72	71	e65	e48	68	107	423	1350	328	154	126
6	177	70	80	e65	e54	68	117	479	1390	304	152	128
7	174	69	73	e64	e52	70	139	509	1520	289	151	127
8	169	69	68	e64	e56	72	178	525	1640	271	147	128
9	167	82	70	e63	e55	71	238	581	1720	263	143	125
10	165	76	69	57	e55	73	284	601	1850	247	140	126
11	164	72	67	e59	e56	76	270	660	1560	229	138	128
12	163	82	70	e52	e59	79	245	771	1520	213	137	130
13	142	84	77	e52	e61	78	233	945	1460	198	136	134
14	102	82	69	e56	e56	76	216	1110	1370	189	135	139
15	99	78	68	e57	e56	76	213	1220	1290	185	134	133
16	94	75	69	56	e57	77	221	1350	1260	184	132	140
17	85	73	66	55	e55	76	228	1360	1220	201	132	138
18	82	71	62	e55	e56	75	213	1230	1140	181	132	134
19	79	70	e60	e58	e54	76	197	1050	1000	165	132	132
20	77	70	e54	e58	e59	80	191	880	879	156	130	132
21	78	69	e54	e55	e55	90	181	803	841	149	129	132
22	80	69	e53	e50	e55	95	178	821	789	144	130	132
23	79	68	e48	e54	e52	103	191	879	696	139	129	132
24	76	67	e44	e54	e51	95	225	778	623	153	131	130
25	76	67	e44	e51	e49	91	240	718	583	164	131	127
26	77	74	e47	e49	e48	92	258	682	553	164	131	127
27	78	67	e44	e49	e48	105	272	664	670	166	132	126
28	76	69	e47	e55	e69	109	259	661	594	168	132	126
29	75	72	e48	e56	e76	113	257	592	494	167	131	125
30	75	71	e53	e58	---	108	280	612	444	164	129	124
31	e75	---	e63	e58	---	112	---	624	---	159	117	---
TOTAL	3685	2169	1918	1789	1590	2603	6088	22941	31845	6852	4262	3874
MEAN	119	72.3	61.9	57.7	54.8	84.0	203	740	1061	221	137	129
MAX	186	84	80	68	76	113	284	1360	1850	410	157	140
MIN	75	66	44	49	43	68	107	315	444	139	117	118
AC-FT	7310	4300	3800	3550	3150	5160	12080	45500	63160	13590	8450	7680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1996, BY WATER YEAR (WY)

MEAN	79.6	69.8	60.5	56.3	56.4	66.9	179	685	917	268	114	84.8
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	33.8	37.6	28.8	37.4	35.0	35.9	64.2	170	81.0	41.7	34.4	32.9
(WY)	1993	1978	1978	1977	1964	1977	1975	1977	1934	1934	1934	193

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1905 - 1996	
ANNUAL TOTAL	109291		89616			
ANNUAL MEAN	299		245		220	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	2150	Jun 15	1850	Jun 10	4170	Jun 13 1921
LOWEST DAILY MEAN	44	Jan 1	43	Feb 4	20	Dec 1 1977
ANNUAL SEVEN-DAY MINIMUM	46	Dec 23	46	Dec 23	23	Nov 30 1977
ANNUAL RUNOFF (AC-FT)	216800		177800		159300	
10 PERCENT EXCEEDS	1040		686		625	
50 PERCENT EXCEEDS	135		125		80	
90 PERCENT EXCEEDS	54		55		48	

e Estimated

10129400 ROCKPORT RESERVOIR NEAR WANSHIP, UT

LOCATION.--Lat 40°47'25", long 111°24'12", in NW$^1/_4$NW$^1/_4$SE$^1/_4$ 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 up-stream from Silver Creek.

DRAINAGE AREA.--334 mi^2.

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 sea level (levels by Bureau of Reclamation).

REMARKS.--Records good, except for estimated daily contents, which are fair. 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, 63,380 acre-ft June 16, elevation, 6,039.3 ft; minimum daily contents, 31,290 acre-ft May 6.

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

5,985	18,640	6,005	31,800	6,025	48,720
5,990	21,570	6,010	35,660	6,030	53,600
5,995	24,730	6,015	39,750	6,035	58,700
6,000	28,150	6,020	44,110	6,040	64,100

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50610	48160	45490	44050	42810	37770	33810	31420	44580	60980	e56790	e44360
2	50530	48000	45430	43970	42570	37640	33910	31400	44640	60870	e56540	e44110
3	50470	47930	45360	43990	42310	37490	33790	31370	44690	60770	e56230	e43750
4	50470	47810	45350	44030	42070	37380	33500	31360	44760	60700	e55820	e43390
5	50530	47650	45380	44030	41900	37260	33020	31330	45070	60690	e55410	e42770
6	50560	47590	45480	44020	41710	37150	32520	31290	46370	60650	e55010	42500
7	50570	47780	45480	44040	41520	37000	32150	31290	48160	60620	e54340	42160
8	50580	47980	45510	44060	41320	36850	31910	31320	50660	60580	54030	41820
9	50570	48220	45510	44070	41130	36690	32040	31680	53600	60530	53610	41540
10	50550	48290	45490	44090	40930	36540	32070	32150	56590	60460	53180	41290
11	50540	48160	45450	44090	40730	36420	32000	32660	58810	60340	52740	e41090
12	50490	48090	45410	44090	40510	36340	31880	33310	59990	60220	52320	e40870
13	50470	48050	45400	44070	40310	36330	31760	34240	61110	60090	51880	40750
14	50420	48030	45370	44060	40110	36300	31610	35500	62040	59950	51440	40640
15	50320	48120	45330	44040	39910	36260	31420	36940	62710	59800	51020	40600
16	50190	47930	45250	44060	39700	36250	31330	e38540	63140	59670	e50730	e40510
17	50110	47700	45210	44200	39510	36260	31300	e40410	63220	59650	e50410	e40710
18	50030	47500	45110	e44250	39330	36220	31430	42190	63160	59630	e49960	40760
19	49880	47300	45000	e44250	39160	36130	31530	43280	63030	59500	e49580	40740
20	49740	47090	44930	44270	39040	36050	31680	43600	62910	59360	e49100	40700
21	49610	46880	44860	44280	38980	36000	31700	43700	62800	59210	e48620	40630
22	49490	46670	44760	44260	38930	e35950	31670	43720	62700	59070	e48150	40540
23	49390	46440	44660	44260	38850	e35810	31670	43740	62550	58880	e47680	e40470
24	49260	46210	44540	44290	38720	35380	31700	43790	62360	58620	e47030	40420
25	49120	45990	44450	44270	38570	35140	31680	43890	62030	58390	e46660	40350
26	48970	45780	44360	44070	38450	34830	31660	43960	61680	58150	e46290	40270
27	48830	45620	44270	e43830	38260	34500	31610	44070	61550	58060	e45920	40190
28	48680	45570	44200	43580	38060	34200	31570	44220	61460	57850	e45560	40120
29	48540	45560	44160	43370	37900	34060	31520	44330	61290	e57730	e45290	40020
30	48410	45530	44120	43190	---	33910	31460	44400	61120	e57440	e45010	39930
31	48280	---	44100	43010	---	33790	---	44500	---	e57010	e44620	---
MAX	50610	48290	45510	44290	42810	37770	33910	44500	63220	60980	56790	44360
MIN	48280	45530	44100	43010	37900	33790	31300	31290	44580	57010	44620	39930
(#)	6024.5	6021.6	6020.0	6018.8	6012.8	6007.6	6004.5	6020.4	6037.2	6033.4	6020.6	6015.2
(*)	-2620	-2750	-1430	-1090	-5110	-4110	-2330	+13040	+16620	-4110	-12390	-4690

CAL YR 1995 . . . . . (*) +21,990
WTR YR 1996 . . . . . (*) -10,970

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

10129500 WEBER RIVER NEAR WANSHIP, UT

LOCATION.--Lat 40°47'34", Long 111°24'15", in $SE^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

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 sea level, from topographic map. Nov. 17, 1950, to Sept. 30, 1955, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records good. Flow completely regulated by Wanship Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 $ft^3/_s$ May 30, 1951, gage height, 4.73 ft, site and datum then in use; minimum daily, 0.1 $ft^3/_s$ Nov. 17-22, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 1,200 $ft^3/_s$ June 17, minimum daily discharge 33 $ft^3/_s$ Nov. 7, 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	211	210	123	138	210	206	395	205	211	244	292	272
2	210	210	121	122	210	205	552	205	208	237	297	269
3	210	130	123	104	210	204	565	205	211	227	290	267
4	205	210	126	105	210	205	564	205	204	221	301	264
5	201	207	112	105	210	205	569	207	203	219	302	264
6	200	63	124	106	210	205	509	206	206	213	294	264
7	201	33	128	107	210	205	475	208	203	208	287	263
8	201	33	86	107	210	206	341	209	205	203	303	248
9	201	86	118	107	208	209	262	208	197	193	295	221
10	201	210	117	106	205	209	260	208	361	215	294	218
11	201	207	122	104	205	208	262	208	820	194	294	219
12	201	207	125	105	205	208	265	209	1040	191	289	217
13	205	205	127	105	205	210	262	210	966	191	298	216
14	206	84	128	105	205	209	263	210	1030	191	305	217
15	205	143	126	104	205	207	224	211	1020	193	300	215
16	205	205	124	105	205	207	201	210	1140	193	296	181
17	171	205	124	85	205	206	202	214	1200	198	297	211
18	201	205	126	102	205	221	205	215	1150	192	308	210
19	208	207	128	103	205	252	204	214	1080	188	313	210
20	209	208	128	102	205	264	205	213	948	193	317	208
21	207	206	127	102	205	306	204	214	950	194	321	198
22	209	205	126	102	205	420	203	215	892	194	291	207
23	207	206	124	102	204	547	175	215	805	225	274	210
24	210	205	124	102	203	491	205	216	713	237	273	210
25	209	204	124	166	205	304	206	215	579	232	272	210
26	207	205	126	207	205	346	208	215	459	208	271	210
27	207	155	128	208	205	343	208	214	398	159	270	210
28	206	126	127	205	208	342	208	212	372	239	270	210
29	205	123	125	207	210	342	207	211	318	242	271	210
30	198	124	131	209	---	342	206	211	273	270	271	211
31	190	---	136	208	---	341	---	210	---	287	271	---
TOTAL	6308	5027	3834	3945	5993	8375	8815	6528	18362	6591	9027	6740
MEAN	203	168	124	127	207	270	294	211	612	213	291	225
MAX	211	210	136	209	210	547	569	216	1200	287	321	272
MIN	171	33	86	85	203	204	175	205	197	159	270	181
AC-FT	12510	9970	7600	7820	11890	16610	17480	12950	36420	13070	17910	13370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	131	121	108	75.4	81.1	107	196	351	498	249	188	157
MAX	209	202	258	131	207	270	683	1448	1295	846	333	288
(WY)	1994	1994	1958	1958	1996	1996	1952	1952	1995	1995	1989	1958
MIN	23.3	23.2	22.5	23.0	15.8	25.8	30.0	42.3	137	90.9	61.9	55.9
(WY)	1993	1993	1995	1993	1991	1992	1991	1957	1957	1954	1954	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	108089		89545			
ANNUAL MEAN	296		245		193	
HIGHEST ANNUAL MEAN					385	1952
LOWEST ANNUAL MEAN					125	1992
HIGHEST DAILY MEAN	1610	Jun 18	1200	Jun 17	2120	May 4 1952
LOWEST DAILY MEAN	25	Jan 1	33	Nov 7	.10	Nov 17 1957
ANNUAL SEVEN-DAY MINIMUM	25	Jan 1	100	Jan 17	.11	Nov 16 1957
ANNUAL RUNOFF (AC-FT)	214400		177600		140100	
10 PERCENT EXCEEDS	1070		327		327	
50 PERCENT EXCEEDS	191		208		132	
90 PERCENT EXCEEDS	27		123		27	

10130000 SILVER CREEK NEAR WANSHIP, UT

LOCATION.--Lat 40°45'25", long 111°28'15", in $NW^1/_4NW^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1941 to September 1946, July 1982 to September 1985, October 1989 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map. October 1941 to September 1946, July 1982 to September 1985, October 1989 to June 1995 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 $ft^3/_s$ Apr. 4, 1942, gage height, 4.28 ft, site and datum then in use; minimum, practically no flow at times in 1942 and 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 139 $ft^3/_s$ Apr. 2, gage height 10.33 ft, minimum daily discharge, 1.9 $ft^3/_s$ several days in August.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.1	7.8	5.2	e4.5	8.9	56	18	16	5.5	2.0	2.2
2	6.3	6.1	7.6	4.8	e4.0	9.8	97	18	13	5.8	2.0	2.2
3	6.3	6.2	6.9	4.6	e3.9	8.9	89	17	12	5.8	2.2	2.2
4	10	6.1	12	4.9	e4.0	8.3	63	17	11	4.9	2.3	2.2
5	9.7	6.2	14	4.9	e4.2	8.2	48	16	9.4	5.5	2.0	2.4
6	8.4	6.5	18	e4.4	e4.5	8.2	45	16	9.6	5.1	1.9	2.5
7	8.3	5.5	13	4.7	5.1	8.5	49	17	9.3	4.8	1.9	2.5
8	8.2	5.5	9.8	e3.8	6.4	8.4	47	18	9.4	4.3	1.9	2.4
9	8.2	11	8.9	e4.0	6.9	8.7	41	21	9.2	5.2	1.9	2.3
10	8.0	11	8.1	4.9	7.2	9.3	35	20	9.3	5.4	1.9	2.5
11	6.9	9.4	7.3	4.9	7.3	10	30	20	9.0	4.5	1.9	2.5
12	6.8	14	8.1	4.7	7.3	11	26	20	8.3	3.9	1.9	3.0
13	6.8	15	12	4.8	e6.2	12	26	20	8.0	3.9	2.0	3.9
14	6.4	11	9.7	4.8	e6.3	12	24	21	7.6	3.6	2.1	4.3
15	7.1	8.7	7.2	4.9	e6.6	13	21	22	7.4	3.7	2.1	4.2
16	7.0	8.3	7.4	5.8	7.5	16	19	23	7.0	3.8	2.1	4.8
17	6.3	8.2	7.2	4.5	7.8	18	27	23	6.3	5.0	2.2	6.6
18	6.7	8.1	6.3	e3.9	8.6	18	31	21	5.8	5.1	2.3	6.7
19	6.9	7.9	5.9	e3.5	8.1	18	31	25	6.7	3.9	2.2	5.8
20	6.9	7.5	5.3	e4.3	8.4	20	32	21	6.1	4.0	2.4	5.5
21	6.1	7.8	5.1	4.8	8.7	26	29	18	6.1	3.6	2.1	5.6
22	7.2	7.6	5.4	4.6	8.7	36	31	16	5.8	3.8	2.2	5.2
23	8.1	7.2	5.3	4.9	8.1	37	34	17	5.6	3.6	2.2	4.9
24	7.5	7.2	5.0	6.3	7.9	31	32	16	5.4	3.0	2.3	5.1
25	7.1	7.5	e4.5	6.4	8.2	23	27	20	5.0	2.8	2.4	5.2
26	7.4	8.8	e4.0	e5.4	8.4	20	23	22	4.6	2.4	2.5	5.3
27	7.0	9.3	4.6	6.4	e7.7	16	21	23	5.7	2.6	2.4	5.7
28	6.9	7.8	4.3	7.9	e7.6	21	20	19	6.2	2.7	2.6	5.9
29	7.1	9.8	4.5	8.4	e7.8	27	19	17	6.6	2.9	2.5	5.8
30	7.1	8.9	4.5	6.4	---	25	19	16	6.1	2.2	2.2	5.7
31	7.2	---	5.2	6.1	---	31	---	17	---	2.1	2.2	---
TOTAL	226.5	251.2	234.9	159.9	197.9	528.2	1092	595	237.5	125.4	66.8	125.1
MEAN	7.31	8.37	7.58	5.16	6.82	17.0	36.4	19.2	7.92	4.05	2.15	4.17
MAX	10	15	18	8.4	8.7	37	97	25	16	5.8	2.6	6.7
MIN	6.1	5.5	4.0	3.5	3.9	8.2	19	16	4.6	2.1	1.9	2.2
AC-FT	449	498	466	317	393	1050	2170	1180	471	249	132	248

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942-46, 1983-85, 1989-96, BY WATER YEAR (WY)

MEAN	6.73	6.17	4.90	4.20	5.02	18.0	25.5	14.8	9.28	3.08	2.64	3.74
MAX	12.5	9.49	7.82	8.09	8.54	50.4	45.6	35.6	29.5	8.08	7.73	8.38
(WY)	1986	1992	1985	1995	1995	1995	1942	1983	1983	1995	1983	1984
MIN	2.26	2.77	2.11	2.00	2.91	5.67	4.25	3.13	.86	.39	.000	.37
(WY)	1945	1945	1945	1944	1993	1992	1992	1992	1946	1944	1942	1942

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1942-46,1983-85,1989-96	
ANNUAL TOTAL	5445.0		3840.4			
ANNUAL MEAN	14.9		10.5		8.62	
HIGHEST ANNUAL MEAN					14.8	1995
LOWEST ANNUAL MEAN					4.23	1992
HIGHEST DAILY MEAN	140	Mar 11	97	Apr 2	206	Apr 4 1942
LOWEST DAILY MEAN	2.6	Aug 17	1.9	Aug 6	.00	Jul 2 1942
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 15	1.9	Aug 6	.00	Aug 1 1942
ANNUAL RUNOFF (AC-FT)	10800		7620		6240	
10 PERCENT EXCEEDS	30		22		20	
50 PERCENT EXCEEDS	8.4		7.0		5.0	
90 PERCENT EXCEEDS	4.2		2.4		1.2	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40%53'43", long 111%24'04", in NE1/4SW1/4NE1/4 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 mi^2.

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 sea level, 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 fair 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 ft^3/s May 6, 1952; maximum gage height, 5.08 ft (present datum) May 29, 1951; minimum, 6 ft^3/s Sept. 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft^3/s June 18, gage height, 4.28 ft; minimum daily discharge, 50 ft^3/s Nov. 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	212	143	e170	e231	e230	483	e276	e286	252	275	252
2	209	227	140	e130	e231	e230	675	e276	e280	230	280	252
3	216	146	150	e105	e231	e229	688	e275	e281	221	279	251
4	234	226	e140	e106	e231	e227	667	e275	e279	209	288	246
5	222	229	e130	e106	e230	239	644	e278	e277	204	293	237
6	227	118	e140	e109	e231	239	600	e277	e280	196	284	243
7	224	51	e150	e108	e231	237	581	e278	e277	196	275	247
8	222	50	e120	e110	e231	237	487	e279	e275	195	294	243
9	220	80	e140	e111	e229	238	405	e278	e268	201	285	213
10	219	249	e140	e110	e228	245	383	e278	e395	217	284	208
11	219	243	e150	e104	e228	256	360	e278	e870	199	282	210
12	218	249	e155	106	e228	264	343	e279	e1040	190	278	207
13	219	250	e155	105	e228	262	333	e280	955	181	286	216
14	218	150	e155	104	e228	259	319	e280	998	179	295	216
15	217	137	e152	104	e228	260	282	e282	1000	183	287	217
16	220	235	e150	106	e228	264	250	e281	1080	204	285	194
17	182	235	e150	e95	e228	265	264	e285	1140	217	284	234
18	212	235	e150	112	e228	270	e279	e287	1110	212	293	235
19	218	235	e150	106	e228	306	e275	e286	1050	192	293	230
20	221	235	e150	106	e228	322	e278	e286	933	184	293	232
21	222	236	e152	108	e228	376	e275	e287	928	184	299	220
22	223	236	e155	106	e228	485	e273	e287	876	180	276	226
23	224	238	e155	105	e227	638	e250	e289	802	198	249	227
24	225	237	e160	105	e227	597	e276	e290	721	219	249	229
25	226	237	e155	e175	e228	368	e277	e289	602	226	249	229
26	227	242	e155	e229	e228	399	e279	e290	487	216	256	229
27	228	195	e157	e230	e228	395	e279	e289	424	118	254	229
28	226	144	e160	e228	e229	397	e279	e287	390	217	247	229
29	226	142	e150	e229	e230	411	e276	e286	337	225	250	229
30	217	143	e160	e230	---	405	e275	e286	291	242	253	226
31	226	---	e170	e230	---	412	---	e286	---	269	254	---
TOTAL	6817	5842	4639	4188	6637	9962	11335	8760	18932	6356	8549	6856
MEAN	220	195	150	135	229	321	378	283	631	205	276	229
MAX	234	250	170	230	231	638	688	290	1140	269	299	252
MIN	182	50	120	95	227	227	250	275	268	118	247	194
AC-FT	13520	11590	9200	8310	13160	19760	22480	17380	37550	12610	16960	13600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	170	149	143	130	130	160	204	319	557	283	184	176
MAX	397	246	400	397	307	615	760	994	1550	815	346	277
(WY)	1985	1986	1984	1984	1985	1986	1986	1986	1983	1995	1983	1958
MIN	26.8	32.0	27.9	23.5	28.1	27.5	31.4	44.3	96.8	89.7	40.6	43.6
(WY)	1993	1962	1978	1978	1981	1981	1981	1959	1977	1958	1961	1960

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	114158		98873			
ANNUAL MEAN	313		270		217	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	1500	Jun 18	1140	Jun 17	1860	Jun 12 1983
LOWEST DAILY MEAN	33	Feb 17	50	Nov 8	7.0	Apr 20 1977
ANNUAL SEVEN-DAY MINIMUM	39	Feb 12	103	Jan 11	15	May 2 1961
ANNUAL RUNOFF (AC-FT)	226400		196100		157300	
10 PERCENT EXCEEDS	1160		391		380	
50 PERCENT EXCEEDS	182		231		173	
90 PERCENT EXCEEDS	46		141		43	

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 mi^2.

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 sea level. 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.--Records good except for estimated daily discharges, which are fair. 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, 1,790 ft^3/s May 22, 1993, gage height, 6.89 ft; minimum, less than 1.0 ft^3/s for several days in 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0200	*717	5.38				

Minimum discharge, 9.5 ft^3/s Sept. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	27	32	28	23	e44	e84	222	233	98	18	14
2	27	25	31	27	18	e25	e132	248	238	88	29	14
3	27	25	30	26	17	e28	e200	279	246	87	32	13
4	31	27	36	26	18	e28	e142	272	271	81	33	13
5	28	30	35	e26	25	31	e121	263	291	80	31	12
6	27	29	45	e23	25	29	e90	311	289	71	32	14
7	27	27	39	e25	26	29	e136	329	270	68	30	15
8	27	26	32	e25	28	27	e227	328	256	67	32	18
9	27	34	34	e25	28	30	e370	392	257	57	38	17
10	27	38	33	e26	e20	33	e395	338	250	58	31	18
11	27	31	32	e22	e21	41	e324	332	237	57	27	19
12	27	38	31	21	e16	54	e191	385	e232	58	24	22
13	27	42	38	22	e18	54	e184	469	e229	52	22	26
14	26	41	31	22	e19	47	e169	502	e218	48	21	24
15	26	37	29	24	e23	51	e86	484	e208	46	22	26
16	26	32	31	28	e20	55	e80	543	e201	45	24	29
17	26	31	32	37	e23	51	e106	573	e194	65	25	39
18	26	31	e25	19	e27	48	e119	494	e182	55	25	37
19	26	31	e26	24	e24	51	e116	426	167	48	25	32
20	26	31	e25	24	e25	58	132	317	156	49	23	30
21	26	31	e26	24	e34	72	112	258	165	45	23	29
22	26	31	e25	24	e40	87	118	257	153	45	24	30
23	28	31	e25	17	e25	114	157	277	145	37	22	29
24	29	30	e26	23	e22	e88	247	235	131	33	22	28
25	32	29	e25	20	e24	e71	254	222	118	31	23	27
26	33	30	e25	21	e23	e40	229	219	114	28	25	27
27	31	31	e27	21	e24	e76	235	227	141	28	24	27
28	31	29	e28	22	e32	e61	188	245	137	30	21	27
29	31	33	e26	24	e37	e76	161	249	120	33	19	27
30	28	32	e27	24	---	e59	166	252	110	31	18	26
31	27	---	e26	24	---	e68	---	261	---	24	16	---
TOTAL	859	940	933	744	705	1626	5271	10209	5959	1643	781	709
MEAN	27.7	31.3	30.1	24.0	24.3	52.5	176	329	199	53.0	25.2	23.6
MAX	33	42	45	37	40	114	395	573	291	98	38	39
MIN	26	25	25	17	16	25	80	219	110	24	16	12
AC-FT	1700	1860	1850	1480	1400	3230	10460	20250	11820	3260	1550	1410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1996, BY WATER YEAR (WY)

MEAN	21.4	23.6	20.9	20.5	23.5	39.6	117	281	177	46.9	23.4	21.3
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1928 - 1996	
ANNUAL TOTAL	35685.6		30379			
ANNUAL MEAN	97.8		83.0		68.2	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	704	May 23	573	May 17	1420	May 22 1993
LOWEST DAILY MEAN	9.3	Jan 1	12	Sep 5	1.0	Jun 8 1934
ANNUAL SEVEN-DAY MINIMUM	11	Jan 1	14	Sep 1	1.0	Aug 19 1934
ANNUAL RUNOFF (AC-FT)	70780		60260		49430	
10 PERCENT EXCEEDS	282		247		184	
50 PERCENT EXCEEDS	36		31		25	
90 PERCENT EXCEEDS	21		22		10	

e Estimated

10131500 ECHO RESERVOIR AT ECHO, UT

LOCATION.--Lat 40°57'50", long 111°25'55", in $NE^1/_4NW^1/_4SW^1/_4$ 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 mi^2.

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 sea level (levels by Bureau of Reclamation). Prior to 1932, elevations obtained from mercury gage in valve house and staff gage.

REMARKS.--Records fair. 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, 74,290 acre-ft June 23, elevation, 5,560.2 ft; minimum, 30,000 acre-ft. Sept. 16, elevation, 5,523.7 ft.

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

5,495	9,110	5,520	26,620	5,545	53,360
5,500	11,830	5,525	31,180	5,550	59,880
5,505	14,920	5,530	36,100	5,555	66,740
5,510	18,480	5,535	41,440	5,560	73,940
5,515	22,390	5,540	47,200	5,561	75,420

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38090	44420	54340	56870	54580	41300	e31490	40510	68150	70160	51830	37080
2	38060	44800	54560	56900	53930	40630	31740	41140	68880	69410	51380	36650
3	38100	45120	54800	56900	53300	40000	32820	41810	69610	68710	51040	36210
4	38170	45440	55090	56890	52650	39440	34200	42510	70370	67960	50640	35740
5	38250	45760	55400	56860	52040	38950	34910	43160	71130	67200	50270	35320
6	38290	46060	55720	56810	51420	38410	35170	43840	71870	66460	49900	e34880
7	38250	46120	56010	56800	50870	37850	34920	44600	72360	65690	49470	34450
8	38170	46170	56230	56790	50240	37210	35090	45380	72710	64860	49070	34080
9	38110	46260	56450	56730	49640	36680	35390	46220	72860	64100	48740	33680
10	38090	46660	56660	56620	49090	36250	35600	47090	72760	63410	48310	33190
11	38010	47090	56880	56520	48470	36510	35810	47880	72510	62840	47850	e32530
12	37910	47530	57120	56400	47860	e36570	35910	48720	72430	62220	47430	e32330
13	37840	48000	57390	56240	47230	e36180	35860	49680	72440	61650	46940	31840
14	37710	48430	57660	e56110	46670	e35730	35690	50760	72440	e61120	46420	31490
15	37770	48600	57870	e56010	46010	e35270	e35600	52030	72810	60520	45860	31170
16	38130	48940	57850	55910	45460	e34860	35950	e53290	73130	59970	45270	30810
17	38620	49350	57770	e55940	44850	e34230	e36410	e54710	73270	59650	44630	e30760
18	39070	49770	57640	e55820	44530	e33740	36630	56030	73250	59470	44100	30800
19	39440	50170	57520	e55780	44660	e33150	36650	57290	73170	59170	e43700	30900
20	39820	50580	57430	55720	44830	e32860	36570	58320	73220	58740	e43200	30950
21	40190	50970	57350	55630	45360	e32450	36470	59210	73270	58200	42650	31040
22	40700	51400	57230	55550	45890	e32170	36430	60040	73440	57670	42090	31030
23	41000	51790	57150	55410	45810	e32430	36760	60900	73360	57060	41600	31060
24	41350	52170	57000	55310	45170	e32570	37230	61710	73180	56470	41040	31360
25	41740	52560	56880	55280	44510	e32690	37750	62520	72960	55920	40500	31750
26	42120	52980	56780	55350	43970	e32430	38200	63300	72780	55340	39960	32040
27	42530	53390	56650	e55440	43280	e32430	38710	64080	72400	54640	39470	32380
28	42890	53660	56640	e55530	42650	e31940	39190	64910	72110	53900	38950	32650
29	43310	53880	56660	55580	41920	e32020	39540	65740	71520	53240	38490	32940
30	43680	54140	56690	55600	---	e31830	40010	66540	70860	52770	e38180	33140
31	44070	---	56780	55210	---	e31660	---	67390	---	52280	e37560	---
MAX	44070	54140	57870	56900	54580	41300	40010	67390	73440	70160	51830	37080
MIN	37710	44420	54340	55210	41920	31660	31490	40510	68150	52280	37560	30760
(#)	5537.3	5545.6	5547.7	5546.4	5535.4	e5525.5	5533.7	5555.5	5557.9	5544.1	e5531.4	5527.0
(*)	+5980	+10070	+2640	-1570	-13290	-10260	+8350	+27380	+3470	-18580	-14720	-4420

CAL YR 1995 ..... (*) +19,700
WTR YR 1996..... (*) - 4,950

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

10132000 WEBER RIVER AT ECHO, UT

LOCATION.--Lat 40°58'04", long 111°26'13", in NE$^1/_4$SE$^1/_4$NE$^1/_4$ 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 mi^2.

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 sea level, 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.--Records good. Flow regulated by Echo Reservoir (see station 10131500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 ft$^3/_s$ May 13, 1952, gage height 7.34 ft, datum then in use; minimum discharge, 0.15 ft$^3/_s$ Jan. 3, 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1280 ft$^3/_s$ June 17, gage height, 4.03 ft; minimum daily discharge, 1.5 ft$^3/_s$ Oct. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	277	68	63	153	555	592	605	206	106	712	498	472
2	260	68	63	155	550	592	548	207	106	679	480	471
3	256	68	63	156	546	569	170	199	106	641	459	472
4	256	68	63	154	544	564	214	200	107	653	459	470
5	256	68	63	153	542	561	460	200	105	666	463	460
6	264	69	64	153	540	570	683	198	159	628	474	460
7	282	69	64	150	548	574	810	197	213	626	490	457
8	291	66	64	148	555	582	684	196	285	637	486	442
9	292	63	64	179	559	583	592	196	331	626	474	452
10	294	63	64	197	558	393	592	196	541	593	509	448
11	302	63	64	193	559	179	592	196	1020	546	504	458
12	305	63	62	197	560	393	591	196	1230	532	506	449
13	305	63	61	200	559	573	574	197	1210	512	534	442
14	299	63	61	200	560	573	588	141	1060	501	563	425
15	232	63	81	195	560	572	394	105	956	501	585	423
16	1.6	63	216	193	561	581	264	105	1110	487	605	380
17	1.5	63	213	186	560	592	258	105	1260	413	605	298
18	20	63	213	186	390	592	375	105	1260	356	576	235
19	68	63	208	186	232	592	448	105	1170	370	549	236
20	68	63	207	186	182	593	444	105	1080	424	543	236
21	68	62	207	186	30	594	436	105	1010	459	546	236
22	68	61	207	192	140	597	324	105	978	483	538	237
23	68	61	207	197	428	588	247	105	973	483	534	236
24	68	61	207	195	592	583	248	106	933	494	535	62
25	68	61	207	196	581	585	249	105	794	509	534	90
26	68	61	207	198	587	597	250	105	726	513	527	102
27	68	62	198	201	592	601	252	105	728	511	521	103
28	69	63	153	211	592	600	254	105	723	534	508	111
29	69	62	152	221	592	580	256	105	712	541	499	139
30	69	63	151	291	---	605	227	105	703	490	498	156
31	69	---	153	452	---	605	---	106	---	483	492	---
TOTAL	5082.1	1917	4070	6060	14354	17355	12629	4512	21695	16603	16094	9658
MEAN	164	63.9	131	195	495	560	421	146	723	536	519	322
MAX	305	69	216	452	592	605	810	207	1260	712	605	472
MIN	1.5	61	61	148	30	179	170	105	105	356	459	62
AC-FT	10080	3800	8070	12020	28470	34420	25050	8950	43030	32930	31920	19160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932-58, 1989-96, BY WATER YEAR (WY)

MEAN	114	98.4	83.6	84.4	93.6	90.4	167	537	716	506	427	280
MAX	297	183	179	195	495	560	580	2158	1682	1037	597	492
(WY)	1994	1939	1958	1996	1996	1996	1938	1952	1950	1995	1990	1993
MIN	.45	.43	.29	.43	.42	.75	1.12	27.2	235	176	97.4	23.0
(WY)	1993	1993	1993	1955	1993	1993	1955	1991	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1932-58, 1989-96	
ANNUAL TOTAL	143325.98		130029.1			
ANNUAL MEAN	393		355		267	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	2130	Jun 17	1260	Jun 17	3010	May 7 1952
LOWEST DAILY MEAN	.69	Jan 26	1.5	Oct 17	.17	Jan 3 1991
ANNUAL SEVEN-DAY MINIMUM	.81	Jan 21	42	Oct 16	.19	Dec 6 1992
ANNUAL RUNOFF (AC-FT)	284300		257900		193500	
10 PERCENT EXCEEDS	1300		605		589	
50 PERCENT EXCEEDS	170		288		159	
90 PERCENT EXCEEDS	.97		64		2.0	

10132490 LOST CREEK RESERVOIR NEAR CROYDON, UT

LOCATION.--Lat 41°11'05", long 111°23'59", in $NW^1/_4SE^1/_4NE^1/_4$ 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 mi^2.

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 sea level, (levels by Bureau of Reclamation).

REMARKS.--Records good except for estimated daily contents, which are poor. 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, 3,920 acre-ft Oct. 28, 29, 1992, elevation, 5,943.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 20,350 acre-ft May 31, elevation, 6,005.9 ft; minimum contents, 9,860 acre-ft Sept. 30, elevation, 5,972.3 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

5,980	11,910	6,000	18,220
5,985	13,350	6,005	20,010
5,990	14,890	6,010	21,890
5,995	16,510		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14130	13790	13910	14020	14180	12790	12130	14520	20360	19870	16640	13010
2	14120	13790	13910	14020	14130	12750	12180	14720	20360	19810	16530	12900
3	14100	13780	13920	14020	14060	12700	12220	14960	20360	19750	16420	12790
4	14090	13780	13940	14030	14000	12650	12260	15210	20360	19670	16300	12670
5	14080	13780	13950	14030	13960	12620	12300	15440	20350	19610	16170	12550
6	14070	13780	13970	14030	13900	12570	12340	15700	20340	19540	16060	12440
7	14060	13770	13980	14030	13850	12520	12410	15980	20310	19460	15940	12320
8	14040	13770	13990	14030	13810	12470	12510	16270	20290	19370	15820	12200
9	14020	13780	13990	e14030	13750	12390	12650	16580	20280	19270	15700	12080
10	14010	13800	14000	14030	13700	12360	12830	16890	20260	19160	15590	11970
11	14000	13800	14010	14030	13650	12320	13030	17200	20250	19040	15470	e11870
12	13990	13810	14020	14030	13590	12300	13180	17510	20240	18930	15350	e11750
13	13960	13850	14040	14030	13530	12290	13290	17840	20220	18810	15230	11650
14	13950	13880	14050	14030	13520	12260	13370	18110	20210	18700	15110	11540
15	13940	13880	14050	14030	13470	12230	13450	18370	20200	18580	15000	11440
16	13930	13880	14050	e14030	13400	12210	13520	e18630	20190	18470	14870	11330
17	13910	13890	14060	e14060	13350	12190	13620	e18870	20170	18370	14760	e11220
18	13900	13890	14060	e14090	13310	e12170	13710	19060	20160	18260	14650	11120
19	13880	13890	14060	e14090	13270	12150	13780	19230	20150	18150	e14540	11020
20	13860	13890	14050	14110	13240	12130	13840	19350	20140	18030	e14400	10930
21	13850	13890	14040	14120	13210	12120	13880	19380	20140	17920	14290	10820
22	13830	13890	14040	14120	13180	e12140	13920	19380	20140	17800	14180	10710
23	13810	13890	14030	14130	13150	e12170	13960	19520	20140	17680	14060	10600
24	13800	13890	14030	14160	13080	12170	13980	19680	20130	17570	13940	10490
25	13800	13890	14020	14170	13040	12170	14010	19840	20120	17450	13830	10390
26	13800	13890	14020	14170	12990	12160	14060	19990	20120	17340	13710	10280
27	13800	13900	14010	e14180	12950	12160	14140	20130	20120	17220	13600	10170
28	13800	13890	14010	14200	12890	12150	14220	20230	20060	17110	13470	10070
29	13800	13900	14010	14200	12840	12150	14290	20300	20000	16990	13350	9960
30	13790	13910	14010	14220	---	12130	14370	20330	19940	16880	e13250	9860
31	13790	---	14020	14220	---	12120	---	20350	---	16760	e13130	---
MAX	14130	13910	14060	14220	14180	12790	14370	20350	20360	19870	16640	13010
MIN	13790	13770	13910	14020	12840	12120	12130	14520	19940	16760	13130	9860
(#)	5986.4	5986.8	5987.2	5987.8	5983.2	5980.7	5988.3	6005.9	6004.8	5995.7	5984.2	5972.3
(*)	-360	+120	+110	+200	-1380	-720	+2250	+5980	-410	-3180	-3630	-3270

CAL YR 1995 ..... (*) +1820
WTR YR 1996..... (*) -4290

(#) 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 $NW^1/_4NE^1/_4NE^1/_4$ sec. 20, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank below footbridge 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 mi^2.

PERIOD OF RECORD.--October 1989 to September 1996 (discontinued).

REVISED RECORDS.--WRD UT-92-1: 1991.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 221 $ft^3/_s$ May 7, 1993, gage height, 5.17 ft; no flow many days during July, Aug. and Sept., 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 181 $ft^3/_s$ April 7, gage height, 4.56 ft; maximun gage height, 4.62 ft. April 1, minimum daily discharge, 0.07 $ft^3/_s$ many days during October.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.07	e.15	e.27	e.16	e.14	e.54	81	16	2.5	.20	.11	.08
2	e.07	e.15	e.26	e.15	e.11	e.62	96	17	2.2	.18	.10	.08
3	e.08	e.17	e.23	e.14	e.10	e.70	75	15	2.0	.19	.10	.08
4	e.10	e.15	e.28	e.16	e.15	e.60	65	13	2.0	.19	.10	.08
5	e.10	e.18	e.31	e.17	e.17	e.60	63	11	1.7	.20	.11	.09
6	e.10	e.19	e.35	e.15	e.20	e.60	80	11	1.4	.19	.10	.09
7	e.10	e.15	e.28	e.16	e.22	e.58	95	11	1.2	.18	.10	.09
8	e.09	e.19	e.24	e.15	e.25	e.75	76	11	.95	.17	.10	.09
9	e.09	e.34	e.21	e.14	e.27	e.90	66	10	.73	.16	.10	.09
10	e.09	e.33	e.18	e.16	e.28	e1.1	51	7.7	.62	.16	.10	.09
11	e.08	e.30	e.16	e.17	e.31	e1.5	40	6.5	e.49	.16	.10	.10
12	e.08	e.50	e.20	e.17	e.27	e2.0	32	6.1	e.46	.16	.10	.10
13	e.07	e.75	e.28	e.16	e.25	e2.4	28	5.8	e.38	.16	.10	.11
14	e.07	e.72	e.23	e.17	e.27	e3.3	20	5.2	e.32	.16	.09	.11
15	e.08	e.65	e.18	e.17	e.30	e4.5	18	4.8	e.29	.16	.08	.11
16	e.07	e.62	e.19	e.19	e.27	e7.0	18	3.9	e.27	.21	.08	.09
17	e.07	e.57	e.17	e.15	e.35	e16	30	4.5	e.25	.30	.08	.12
18	e.08	e.55	e.16	e.13	e.40	e15	22	4.1	e.24	.25	.08	.13
19	e.09	e.50	e.14	e.12	e.35	e14	26	5.2	e.28	.17	.08	.13
20	e.09	e.48	e.13	e.14	e.42	e16	24	3.8	.26	.17	.08	.13
21	e.08	e.50	e.13	e.14	e.43	e30	23	3.2	.30	.16	.08	.13
22	e.10	e.45	e.14	e.14	e.41	e60	33	2.7	.27	.16	.08	.13
23	e.12	e.39	e.14	e.14	e.40	49	33	3.2	.23	.16	.08	.13
24	e.12	e.36	e.12	e.15	e.42	37	30	2.8	.21	.16	.08	.13
25	e.11	e.32	e.11	e.17	e.44	31	24	3.5	.19	.14	.08	.13
26	e.13	e.33	e.11	e.14	e.38	26	24	4.6	.18	.10	.08	.13
27	e.13	e.34	e.15	e.16	e.35	21	22	6.1	.23	.11	.08	.13
28	e.12	e.32	e.13	e.18	e.37	30	16	3.9	.22	.11	.08	.13
29	e.14	e.35	e.15	e.23	e.44	41	13	3.2	.22	.12	.08	.13
30	e.16	e.31	e.14	e.18	---	38	13	3.0	.22	.11	.08	.13
31	e.16	---	e.17	e.17	---	51	---	2.9	---	.11	.08	---
TOTAL	3.04	11.31	5.94	4.91	8.72	502.69	1237	211.7	20.81	5.16	2.77	3.29
MEAN	.098	.38	.19	.16	.30	16.2	41.2	6.83	.69	.17	.089	.11
MAX	.16	.75	.35	.23	.44	60	96	17	2.5	.30	.11	.13
MIN	.07	.15	.11	.12	.10	.54	13	2.7	.18	.10	.08	.08
AC-FT	6.0	22	12	9.7	17	997	2450	420	41	10	5.5	6.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	.069	.088	.072	.081	.31	8.78	10.5	7.90	1.40	.077	.027	.13
MAX	.25	.38	.19	.16	1.11	23.0	41.2	22.5	6.09	.27	.089	.71
(WY)	1994	1996	1996	1996	1995	1995	1996	1995	1995	1995	1996	1993
MIN	.010	.013	.020	.046	.060	.90	.96	.24	.025	.011	.006	.004
(WY)	1993	1993	1991	1991	1990	1992	1992	1992	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	1970.45		2017.34			
ANNUAL MEAN	5.40		5.51		2.47	
HIGHEST ANNUAL MEAN					5.51	1996
LOWEST ANNUAL MEAN					.21	1992
HIGHEST DAILY MEAN	89	Mar 11	96	Apr 2	114	May 7 1993
LOWEST DAILY MEAN	.02	Jan 7	.07	Oct 1	.00	Jul 7 1990
ANNUAL SEVEN-DAY MINIMUM	.02	Sep 6	.07	Oct 11	.00	Aug 21 1990
ANNUAL RUNOFF (AC-FT)	3910		4000		1790	
10 PERCENT EXCEEDS	18		19		6.3	
50 PERCENT EXCEEDS	.24		.20		.08	
90 PERCENT EXCEEDS	.03		.09		.01	

e Estimated

10133600 McLEOD CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°41'15", long 111°31'58", in $SW^1/_4NE^1/_4SE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1990 to September 1996 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,590 ft above sea level, from topographic map.

REMARKS.--Records good except for winter period, which is fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133 $ft^3/_s$ June 17, 1995; minimum daily discharge, 0.69 $ft^3/_s$ Jan. 9, 11, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 81 $ft^3/_s$ May 19; minimum daily discharge, 3.4 $ft^3/_s$ Dec 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	9.4	8.0	e8.3	e3.9	e18	27	41	21	11	6.1
2	10	13	9.6	7.4	e6.3	e3.8	e19	29	41	20	11	6.1
3	11	11	8.0	9.5	e9.3	e3.8	e17	35	44	18	10	6.5
4	13	13	13	10	e9.3	e3.7	e15	35	48	17	10	6.4
5	11	14	12	7.3	e9.5	e3.7	e15	36	51	17	9.9	7.5
6	10	9.6	15	8.0	e9.8	e5.2	e18	34	56	17	9.6	7.3
7	10	e9.6	9.1	10	9.9	e5.1	e23	34	58	17	9.3	7.0
8	10	e9.2	6.6	11	11	e4.9	e27	34	60	17	9.4	6.4
9	12	e12	8.6	11	10	e5.4	e29	38	64	16	8.8	6.5
10	15	15	9.5	10	9.6	e5.5	29	37	65	13	7.6	6.6
11	16	15	11	7.4	8.4	e5.8	27	39	61	12	7.9	6.7
12	20	22	13	9.9	8.5	e6.6	25	43	57	13	7.8	7.1
13	15	16	13	10	8.5	e6.9	22	49	59	13	7.4	8.2
14	16	15	7.2	10	8.7	e6.4	22	56	55	13	7.0	7.8
15	16	12	5.9	10	e8.7	e7.0	20	61	51	15	7.0	7.7
16	15	12	7.6	12	e7.9	e6.7	21	64	47	18	7.0	8.7
17	17	e11	6.3	11	e7.1	e6.5	27	73	42	17	6.6	10
18	16	e11	e4.7	8.5	e6.9	e6.6	25	73	41	15	6.8	8.4
19	17	e11	e3.8	e12	e7.2	e6.9	24	66	36	14	6.9	8.8
20	17	e12	e3.9	11	e7.6	e7.5	23	55	39	14	6.7	8.6
21	16	11	e3.4	e9.7	e6.8	e9.4	21	48	34	13	6.4	8.3
22	14	8.9	e3.6	e7.9	e6.0	e13	22	47	31	13	6.5	8.1
23	14	8.4	e3.6	e7.9	e5.3	e15	25	48	29	12	6.7	8.5
24	16	7.5	e3.7	e8.0	e5.9	e13	25	43	26	11	6.5	8.2
25	17	8.2	e4.7	e10	e4.9	e12	23	43	24	11	6.2	7.5
26	19	10	7.5	e10	e4.5	e9.9	25	41	25	10	6.4	8.2
27	21	5.3	9.5	e10	e4.1	e10	27	40	23	9.9	5.9	8.5
28	17	5.0	8.3	e10	e4.0	e11	25	42	21	10	6.3	8.8
29	20	8.8	8.1	e8.4	e3.9	e12	25	39	23	10	5.9	8.3
30	17	9.6	7.2	e9.0	---	e12	25	40	22	10	6.2	7.7
31	16	---	11	e9.8	---	e15	---	41	---	10	6.0	---
TOTAL	465	339.1	247.8	294.7	217.9	244.2	689	1390	1274	436.9	236.7	230.5
MEAN	15.0	11.3	7.99	9.51	7.51	7.88	23.0	44.8	42.5	14.1	7.64	7.68
MAX	21	22	15	12	11	15	29	73	65	21	11	10
MIN	10	5.0	3.4	7.3	3.9	3.7	15	27	21	9.9	5.9	6.1
AC-FT	922	673	492	585	432	484	1370	2760	2530	867	469	457

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1996, BY WATER YEAR (WY)

MEAN	8.53	7.80	7.08	5.78	6.07	11.2	14.5	31.4	38.7	15.1	7.50	6.68
MAX	15.0	11.3	8.61	9.51	7.99	18.6	23.0	51.5	86.1	41.2	12.6	12.4
(WY)	1996	1996	1993	1996	1995	1995	1996	1993	1995	1995	1995	1995
MIN	5.93	5.12	4.68	3.69	1.97	7.88	7.38	8.05	5.85	5.33	3.65	2.74
(WY)	1993	1995	1991	1991	1993	1996	1992	1992	1992	1992	1992	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1991 - 1996	
ANNUAL TOTAL	8667.3		6065.8			
ANNUAL MEAN	23.7		16.6		13.4	
HIGHEST ANNUAL MEAN					22.4	1995
LOWEST ANNUAL MEAN					6.42	1992
HIGHEST DAILY MEAN	117	Jun 15	73	May 17	117	Jun 15 1995
LOWEST DAILY MEAN	3.4	Dec 21	3.4	Dec 21	.69	Jan 9 1993
ANNUAL SEVEN-DAY MINIMUM	3.8	Dec 18	3.8	Dec 18	1.5	Feb 12 1993
ANNUAL RUNOFF (AC-FT)	17190		12030		9700	
10 PERCENT EXCEEDS	65		40		28	
50 PERCENT EXCEEDS	14		11		8.1	
90 PERCENT EXCEEDS	6.9		6.2		4.4	

e Estimated

10133895 EAST CANYON CREEK ABOVE BIG BEAR HOLLOW NEAR PARK CITY, UT

LOCATION.--Lat 40°47'21", long 111°35'48", in $SW^1/_4NW^1/_4SE^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, from rating curve extended above 510 $ft^3/_s$, 866 $ft^3/_s$ May 7, 1993, gage height, 8.55 ft from highwater marks; minimum daily discharge, 0.75 $ft^3/_s$ July 31, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 378 $ft^3/_s$ Apr. 2, gage height, 7.25 ft; minimum discharge, 8.6 $ft^3/_s$ Nov. 3, Sept. 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	18	e18	e18	e20	e26	160	115	111	41	16	10
2	18	15	e15	e15	e14	e28	280	125	109	38	18	11
3	17	14	e14	e20	e11	e29	199	122	110	39	17	11
4	30	14	e17	e21	e16	e31	156	119	111	36	16	10
5	23	14	e15	e21	e20	e34	131	115	121	36	16	11
6	20	15	e17	e20	e20	e33	153	118	124	34	16	13
7	18	15	e15	e20	e24	e32	189	121	126	32	15	12
8	18	16	e13	e18	e26	e36	225	125	121	31	15	12
9	18	35	e15	17	e25	e42	208	130	127	31	15	10
10	17	30	e17	15	e37	e50	197	125	131	31	14	11
11	17	20	e20	15	e36	e49	158	122	127	28	13	12
12	18	36	e23	15	e35	e48	126	127	111	28	13	13
13	19	30	e19	17	e34	e47	108	138	111	26	14	14
14	17	22	e14	18	e32	e49	87	145	104	25	12	15
15	18	20	e15	15	e28	e48	79	153	99	25	12	14
16	18	19	e15	14	e26	e52	79	161	92	29	13	16
17	17	18	e16	21	e29	e52	115	192	82	40	13	22
18	18	18	e15	18	e32	e49	112	192	75	36	15	20
19	17	17	e13	23	e35	e48	108	198	72	28	16	16
20	17	16	e14	38	e33	e56	116	165	69	25	14	16
21	18	17	e14	34	e30	76	96	145	77	25	12	15
22	18	16	e13	33	e29	113	116	133	66	24	12	15
23	17	e16	e13	33	e28	126	125	137	60	25	12	14
24	17	e17	e12	35	e30	78	128	127	54	23	11	14
25	17	e19	e12	41	e32	62	116	135	48	22	11	14
26	18	e17	e13	e30	e29	46	120	132	46	20	12	14
27	18	e17	e14	e34	e27	41	126	138	54	19	11	14
28	17	e18	e13	e40	e25	59	109	127	47	20	11	14
29	16	e19	e14	e32	e24	92	98	117	44	21	11	15
30	16	e20	e15	e33	---	77	100	117	42	19	11	14
31	15	---	e17	e26	---	98	---	117	---	18	10	---
TOTAL	561	578	470	750	787	1707	4120	4233	2671	875	417	412
MEAN	18.1	19.3	15.2	24.2	27.1	55.1	137	137	89.0	28.2	13.5	13.7
MAX	30	36	23	41	37	126	280	198	131	41	18	22
MIN	15	14	12	14	11	26	79	115	42	18	10	10
AC-FT	1110	1150	932	1490	1560	3390	8170	8400	5300	1740	827	817

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1996, BY WATER YEAR (WY)

MEAN	13.2	13.4	12.2	14.2	18.6	51.0	59.0	89.3	67.9	23.7	11.9	9.73
MAX	22.3	19.3	15.2	24.2	27.1	98.6	137	174	163	68.5	22.7	16.8
(WY)	1994	1996	1994	1996	1996	1995	1996	1993	1995	1995	1995	1995
MIN	4.23	9.84	8.96	7.25	12.1	20.9	16.5	13.1	7.69	5.87	5.31	5.45
(WY)	1993	1993	1991	1993	1990	1992	1992	1992	1992	1990	1992	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1990 - 1996	
ANNUAL TOTAL	20737		17581			
ANNUAL MEAN	56.8		48.0		32.0	
HIGHEST ANNUAL MEAN					56.2	1995
LOWEST ANNUAL MEAN					11.3	1992
HIGHEST DAILY MEAN	319	Mar 19	280	Apr 2	550	May 7 1993
LOWEST DAILY MEAN	11	Jan 1	10	Aug 31	.75	Jul 31 1992
ANNUAL SEVEN-DAY MINIMUM	13	Dec 22	11	Aug 29	1.5	Oct 16 1992
ANNUAL RUNOFF (AC-FT)	41130		34870		23210	
10 PERCENT EXCEEDS	141		126		85	
50 PERCENT EXCEEDS	24		24		16	
90 PERCENT EXCEEDS	15		13		6.8	

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 sea level, (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, except for estimates, which are fair. 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 daily contents, 48,450 acre-ft June 15, 16, 17, elevation, 5,705.5 ft; minimum daily, 32,220 acre-ft Sept. 30, elevation, 5,679.1 ft.

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

5,660	22,870	5,680	32,730	5,700	44,760
5,665	25,150	5,685	35,530	5,705	48,110
5,670	27,550	5,690	38,470	5,710	51,610
5,675	30,080	5,695	41,550		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35600	36470	38100	39780	40650	34060	e33260	35410	e46350	48250	43500	36090
2	e35610	36500	38140	39820	40370	33820	33510	35710	e46550	48220	43270	35850
3	e35620	36530	38180	39870	40100	33590	33910	36010	e46750	48180	43030	35600
4	e35640	36570	38270	39920	39840	33390	34130	36350	e46930	48130	42800	35360
5	35660	36600	38400	39960	39610	33200	34260	36700	e47160	48110	42560	35120
6	35670	36630	38520	39990	39370	33050	34350	37130	e47400	48050	42310	34880
7	35680	36660	38620	40040	39120	33060	34410	37570	e47630	48010	42070	34640
8	35690	36710	38690	40080	38880	33110	34590	37970	e47770	47970	41840	34410
9	35710	36790	38750	40120	38640	33150	34820	38380	e47980	47910	41600	34180
10	35730	36910	38810	40170	38410	33200	35060	38780	e48180	47850	41360	33990
11	35740	36980	38860	40200	38170	33270	35210	39140	e48380	47720	41120	33820
12	35760	37050	38920	40240	37920	33380	35270	39510	e48380	47590	40880	33700
13	35780	37150	39030	40280	37680	33510	35260	39910	e48400	47430	40640	33590
14	35800	37210	39100	40310	37440	33570	35170	40330	e48430	47230	40400	33480
15	35830	37270	39150	40350	37200	33630	35040	40740	e48450	47030	40160	33380
16	35860	37320	39200	40400	36960	33700	35030	41160	e48450	46840	39920	33300
17	35880	37370	39250	40520	36730	33750	35110	41470	e48450	46680	39680	33250
18	35920	37420	39290	40560	36520	33780	35260	e41990	48390	46510	39450	33180
19	35950	37470	39330	40640	36300	33780	35340	e42470	48390	46320	39210	33100
20	35980	37520	39360	40700	36120	33650	35410	e42950	48380	46120	38970	33020
21	36020	37560	39400	40740	35960	33580	35310	e43300	48390	45920	38740	32930
22	36050	37610	39430	40790	35800	33590	35200	e43650	48380	45710	38500	32840
23	36100	37660	39450	40820	35600	33710	35130	e43930	48320	45490	38270	32750
24	36130	37700	39470	40880	35380	33740	35120	e44220	48320	45270	38030	32690
25	36170	37750	39500	40940	35170	33670	e35130	e44500	48310	45050	37790	32700
26	36220	37800	39520	41000	34960	33550	e35070	e44800	48270	44830	37540	32550
27	36270	37860	39540	41030	34740	33400	e35020	e45090	48260	44630	37300	32350
28	36300	37920	39570	41040	34510	33260	35130	e45360	48270	44410	37060	32300
29	36340	37990	39600	41010	34280	e33220	35210	e45620	48250	44190	36820	32260
30	36390	38050	39640	40990	---	e33170	35270	e45860	48250	43970	36580	32220
31	36430	---	39720	40880	---	e33220	---	e46110	---	43730	36340	---
MAX	36430	38050	39720	41040	40650	34060	35410	46110	48450	48250	43500	36090
MIN	35600	36470	38100	39780	34280	33050	33260	35410	46350	43730	36340	32220
(#)	5686.5	5689.3	5692.1	5693.9	5682.8	5680.9(e)	5684.5	5702.0(e)	5705.2	5698.4	5686.4	5679.1
(*)	+840	+1620	+1670	+1160	-6600	-1060	+2050	+10840	+2140	-4520	-7390	-4120

CAL YR 1995 ..... (*) +11,670
WTR YR 1996..... (*) -3,370

(#) 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 $SW^1/_4NW^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ May 4, 1952, gage height, 3.49 ft; minimum daily, 0.2 $ft^3/_s$ Dec. 19, 29, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 228 $ft^3/_s$ April 11; minimum daily discharge, 6.2 $ft^3/_s$ many days in Oct., Dec. and Jan.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	7.0	7.0	6.2	160	149	165	127	39	63	139	136
2	30	7.0	7.0	6.2	157	150	165	109	39	61	139	136
3	30	7.0	7.0	6.2	154	150	165	109	39	75	139	136
4	27	7.0	7.1	6.2	153	151	166	58	39	76	138	136
5	26	7.0	7.0	6.2	155	152	166	36	39	72	138	135
6	26	7.0	7.0	6.2	157	72	205	36	39	69	139	135
7	21	7.0	7.0	6.2	158	22	223	36	39	68	139	134
8	19	7.0	7.0	6.2	158	22	225	36	39	68	139	134
9	19	7.0	7.0	6.2	158	22	225	36	41	68	139	120
10	19	7.0	7.0	6.2	157	22	227	36	60	92	139	113
11	16	7.0	7.0	6.2	157	22	228	36	87	102	139	92
12	14	7.0	7.0	6.2	157	22	225	37	103	102	139	83
13	14	7.0	7.0	6.3	156	44	225	38	110	126	139	83
14	13	7.0	7.0	6.2	156	57	224	38	113	136	138	75
15	12	7.0	7.0	6.2	156	57	175	37	112	137	138	71
16	11	7.0	7.0	6.4	156	68	147	39	110	136	138	71
17	15	7.0	6.7	6.5	155	73	147	38	105	135	138	71
18	10	7.0	6.2	6.2	155	72	147	37	99	135	137	70
19	7.5	7.0	6.2	6.3	154	139	147	38	93	135	137	70
20	7.5	7.0	6.2	6.3	155	169	202	39	89	135	137	70
21	7.4	7.0	6.2	6.3	154	167	223	39	89	135	137	70
22	7.0	7.0	6.2	6.2	154	167	222	39	88	138	137	70
23	7.0	7.0	6.2	6.2	153	167	222	39	84	139	136	62
24	7.0	7.0	6.2	6.5	153	166	184	39	80	139	136	58
25	6.5	7.0	6.2	6.5	153	162	169	39	75	139	136	58
26	6.2	7.0	6.2	6.7	152	161	169	39	72	139	137	57
27	6.2	7.0	6.2	29	150	164	169	39	70	139	137	47
28	6.2	7.0	6.2	40	149	165	169	39	71	139	137	43
29	6.9	7.0	6.2	38	149	165	170	39	68	139	137	43
30	7.4	7.0	6.2	69	---	164	170	39	66	139	136	43
31	7.0	---	6.2	122	---	164	---	39	---	139	136	---
TOTAL	442.8	210.0	205.6	461.2	4491	3447	5666	1425	2197	3515	4270	2622
MEAN	14.3	7.00	6.63	14.9	155	111	189	46.0	73.2	113	138	87.4
MAX	31	7.0	7.1	122	160	169	228	127	113	139	139	136
MIN	6.2	7.0	6.2	6.2	149	22	147	36	39	61	136	43
AC-FT	878	417	408	915	8910	6840	11240	2830	4360	6970	8470	5200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1996, BY WATER YEAR (WY)

MEAN	25.6	14.9	16.1	17.7	24.7	43.9	71.4	87.1	99.4	109	108	68.0
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1938 - 1996	
ANNUAL TOTAL	24316.8		28952.6			
ANNUAL MEAN	66.6		79.1		57.3	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	264	Jun 9	228	Apr 11	768	May 5 1952
LOWEST DAILY MEAN	4.5	Feb 12	6.2	Oct 26	.20	Dec 19 1964
ANNUAL SEVEN-DAY MINIMUM	4.6	Feb 9	6.2	Dec 18	1.1	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	48230		57430		41520	
10 PERCENT EXCEEDS	195		163		153	
50 PERCENT EXCEEDS	26		68		27	
90 PERCENT EXCEEDS	4.7		6.3		4.5	

10136500 WEBER RIVER AT GATEWAY, UT

LOCATION.--Lat 41°08'13", long 111°49'54", in $NE^1/_4SW^1/_4SW^1/_4$ 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 mi^2.

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 sea level, 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. Nov. 27, 1964 to Sept. 30, 1996, at present site at datum 10.0 ft lower.

REMARKS.--Records good. 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 hydro- electric 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 $ft^3/_s$ May 31, 1896; minimum recorded, 30 $ft^3/_s$ Dec. 26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,660 $ft^3/_s$ April 11, gage height, 14.12 ft; minimum daily discharge, 60 $ft^3/_s$ Oct. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	125	127	249	714	883	1210	1100	732	568	422	407
2	323	120	124	e219	737	880	1450	1170	718	554	432	406
3	300	129	122	218	e772	870	1120	1230	673	493	414	411
4	331	134	126	217	e801	871	766	1220	631	479	426	400
5	332	131	190	211	e790	910	1090	1130	574	517	414	389
6	301	132	177	201	e830	863	1180	1140	522	498	392	398
7	306	131	160	209	831	760	1420	1180	541	488	435	419
8	330	128	149	201	849	768	1500	1220	507	476	439	413
9	327	145	141	205	849	785	1500	1280	539	461	392	406
10	307	159	138	256	850	800	1620	1230	606	466	386	398
11	303	138	135	248	851	572	1590	1160	884	454	401	412
12	309	142	142	242	846	970	1490	1180	1240	433	412	424
13	305	144	196	246	845	1120	1370	1250	1200	432	398	425
14	304	136	159	246	848	1030	1280	1300	1130	420	398	434
15	292	127	143	246	848	1080	1140	1280	979	417	381	409
16	181	126	210	262	851	1100	883	1340	1010	462	402	458
17	80	125	e200	547	853	1080	1080	1440	1180	518	443	485
18	60	e123	e180	297	831	1070	1180	1370	1190	476	443	426
19	72	e123	e180	274	600	1060	1270	1190	1130	392	440	400
20	125	e125	e200	260	661	1160	1200	995	1030	399	436	378
21	145	e125	e190	250	561	1270	1180	902	979	400	436	366
22	150	e125	e180	247	588	1360	1130	840	915	417	444	363
23	149	e121	e174	249	702	1320	1020	758	883	418	440	351
24	146	e120	e160	257	939	1140	1090	694	837	402	424	245
25	142	e118	e176	254	933	1050	1120	684	741	397	437	188
26	140	e123	e190	250	908	1010	1170	682	600	433	437	189
27	137	127	e180	240	901	1010	1270	691	616	418	433	201
28	136	128	e180	279	875	1100	1220	761	627	401	437	188
29	135	e130	e200	279	889	1180	1120	827	628	468	412	182
30	133	e126	e230	317	---	1090	1090	799	602	448	410	189
31	126	---	e278	490	---	1120	---	771	---	404	404	---
TOTAL	6766	3886	5337	8166	23353	31282	36749	32814	24444	14009	13020	10760
MEAN	218	130	172	263	805	1009	1225	1059	815	452	420	359
MAX	339	159	278	547	939	1360	1620	1440	1240	568	444	485
MIN	60	118	122	201	561	572	766	682	507	392	381	182
AC-FT	13420	7710	10590	16200	46320	62050	72890	65090	48480	27790	25830	21340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1996, BY WATER YEAR (WY)

MEAN	244	213	221	234	286	499	998	1541	1138	547	459	361
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	57.9	58.0	43.6	45.7	49.2	67.8	105	281	293	238	156	62.3
(WY)	1993	1962	1993	1991	1993	1964	1977	1992	1977	1931	1924	1934

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1921 - 1996	
ANNUAL TOTAL	235414		210586			
ANNUAL MEAN	645		575		563	
HIGHEST ANNUAL MEAN					1397	1986
LOWEST ANNUAL MEAN					143	1961
HIGHEST DAILY MEAN	3130	Jun 9	1620	Apr 10	7390	May 5 1952
LOWEST DAILY MEAN	60	Oct 18	60	Oct 18	32	Jan 4 1993
ANNUAL SEVEN-DAY MINIMUM	72	Jan 1	112	Oct 17	35	Jan 31 1962
ANNUAL RUNOFF (AC-FT)	466900		417700		407600	
10 PERCENT EXCEEDS	1760		1180		1310	
50 PERCENT EXCEEDS	381		434		356	
90 PERCENT EXCEEDS	123		136		100	

e Estimated

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°16'07", long 111°40'24", in $SE^1/_4NE^1/_4SW^1/_4$ 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 mi^2.

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 sea level, 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 $ft^3/_s$ May 3, 1952, gage height, 5.98 ft; minimum, 9 $ft^3/_s$ Feb. 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 740 $ft^3/_s$ May 18, gage height, 4.16 ft; minimum daily discharge, 29 $ft^3/_s$ Oct. 19, 20, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	31	33	33	42	71	166	381	261	70	85	91
2	59	30	33	33	e41	70	188	432	250	69	85	91
3	60	30	33	33	e39	70	177	480	245	67	85	85
4	61	30	41	33	e41	84	166	466	240	65	80	75
5	61	30	38	33	52	114	158	465	232	65	75	75
6	62	31	41	e31	59	111	165	462	220	72	75	75
7	61	30	38	32	61	111	183	456	205	76	75	74
8	61	30	36	32	63	113	235	464	192	79	75	74
9	58	35	35	32	65	119	300	489	181	79	75	75
10	58	33	34	33	67	129	403	511	173	78	75	76
11	58	32	34	33	69	145	460	591	165	78	75	76
12	52	34	35	33	68	171	430	593	156	75	75	62
13	51	34	39	33	68	165	381	651	147	74	75	62
14	51	33	36	32	69	161	355	691	137	74	76	62
15	47	32	35	32	72	171	305	679	130	74	76	61
16	42	31	35	e31	74	176	277	700	122	75	83	62
17	42	31	34	39	74	174	277	696	114	77	91	64
18	41	31	33	35	77	176	239	705	107	79	91	63
19	29	31	33	37	80	179	231	678	102	80	91	62
20	29	31	33	35	94	186	227	635	99	80	90	62
21	29	31	33	35	94	206	216	366	96	80	95	62
22	30	31	e32	34	94	219	213	186	95	80	95	62
23	30	31	e30	e33	86	210	218	179	90	80	95	61
24	30	31	e30	35	83	182	263	174	86	80	94	61
25	30	31	e30	35	80	167	300	167	82	82	94	60
26	31	32	e30	35	78	152	308	164	80	90	94	59
27	30	32	e30	e34	75	142	325	287	79	90	94	59
28	30	32	31	36	72	145	295	298	78	90	93	59
29	30	33	32	38	72	153	280	292	76	88	93	61
30	30	33	33	42	---	147	298	286	72	88	93	60
31	31	---	34	42	---	154	---	273	---	85	92	---
TOTAL	1374	947	1054	1064	2009	4573	8039	13897	4312	2419	2640	2031
MEAN	44.3	31.6	34.0	34.3	69.3	148	268	448	144	78.0	85.2	67.7
MAX	62	35	41	42	94	219	460	705	261	90	95	91
MIN	29	30	30	31	39	70	158	164	72	65	75	59
AC-FT	2730	1880	2090	2110	3980	9070	15950	27560	8550	4800	5240	4030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1996, BY WATER YEAR (WY)

MEAN	42.6	40.5	42.7	43.0	51.3	94.8	277	429	164	71.0	58.5	48.4
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1922 - 1996	
ANNUAL TOTAL	46103		44359			
ANNUAL MEAN	126		121		114	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	561	May 20	705	May 18	1640	May 5 1936
LOWEST DAILY MEAN	29	Oct 19	29	Oct 19	13	Feb 26 1977
ANNUAL SEVEN-DAY MINIMUM	30	Oct 19	30	Oct 19	13	Feb 28 1977
ANNUAL RUNOFF (AC-FT)	91450		87990		82480	
10 PERCENT EXCEEDS	311		286		273	
50 PERCENT EXCEEDS	79		75		51	
90 PERCENT EXCEEDS	31		31		32	

e Estimated

10139000 PINEVIEW RESERVOIR NEAR OGDEN, UT

LOCATION.--Lat 41°15'20", long 111°50'25", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 16, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, at trashrack at Pineview Dam on Ogden River 3.8 mi west of Huntsville and 6 mi east of Ogden.

DRAINAGE AREA.--311 mi^2.

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 sea level.

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 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, 112,500 acre-ft June 11, 12, 1993 of which 2,400 acre-ft was uncontrolled storage, elevation 4900.8 ft minimum, 4 acre-ft, Jan. 10, 1957, elevation, 4,819.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 103,300 acre-ft June 11, elevation, 4,897.6 ft ; minimum daily contents, 37,400 acre-ft Sept. 30, elevation, 4,868.0 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

4,865	32,610	4,880	59,670
4,870	40,680	4,890	82,820
4,875	49,700	4,900	110,100

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60100	63700	67300	69100	67200	57400	54800	63000	100000	97200	73300	47800
2	60200	e63700	67500	e68800	e66600	57000	54800	63900	100600	96300	72500	47100
3	60300	e64000	67600	68700	e65900	56600	55100	64900	101100	95700	71700	46400
4	60500	e64000	67800	68700	e65200	56200	55100	66400	101600	95000	70800	45700
5	60700	64000	68100	e68600	64600	56000	55000	67700	101900	94200	70000	44900
6	60800	64100	68400	e68400	64000	55800	54900	69000	102300	93400	69100	44200
7	60900	64200	68600	e68400	63500	55500	54900	70400	102600	92700	68300	43500
8	61100	64300	68800	e68400	62900	55300	55000	71900	102800	91900	67400	42800
9	61200	64600	68900	68200	62200	55000	55400	73400	102900	91200	66600	42200
10	61400	64800	69100	68100	61500	54800	56100	74900	103000	90400	65800	41600
11	61400	64900	69200	e67900	60800	54700	57100	76300	103100	89500	64900	e41100
12	61600	65100	69400	e67900	60400	55000	58000	77800	103200	88700	64000	e40600
13	61600	65200	69700	e67900	60200	55500	58700	79300	103100	87900	63100	40100
14	61800	65300	69800	e67700	60100	55700	59100	e80600	102900	87000	62200	39800
15	61800	65500	e69900	e67700	59900	55600	59300	e81900	102700	86200	61400	39500
16	62000	65600	70000	67600	59400	55800	59500	e83300	102500	e85600	60600	39200
17	62100	65700	70100	67900	59100	55800	59900	e84600	102300	84900	59700	e39200
18	62200	65800	e70200	67900	58900	55700	60300	e85900	102000	84200	58900	39100
19	62200	65900	e70200	68000	58700	55700	60700	e87200	101700	83600	e58100	39000
20	62400	66000	e70200	68100	58700	55700	60800	e88500	101500	83000	e57300	38900
21	62500	66100	e70100	68100	58700	55700	60700	e89800	101200	82400	56500	38800
22	62600	66200	e69800	68000	58700	55900	60600	e91200	101000	81700	55800	38700
23	62700	66300	e69800	68000	58900	56200	60400	e92500	100700	81000	55000	38500
24	62800	66400	e69500	68000	58900	56300	60300	e93800	100500	80100	54100	38400
25	62900	66500	e69500	68000	58800	56200	60500	95100	100200	79100	53300	38200
26	63000	66700	e69500	68000	58700	56000	60800	95400	99900	78200	52500	38100
27	63100	66800	e69500	68000	58500	55800	61100	96000	99500	e77400	51800	37900
28	63300	66900	e69300	68000	58100	55500	61400	e96800	98900	76500	50900	37800
29	63300	67100	e69100	68100	57800	55400	61600	e97700	98400	75700	50100	37600
30	63500	67200	69100	68100	---	55200	62200	98500	97800	74900	e49400	37400
31	63500	---	69200	67800	---	55000	---	99400	---	74100	e48600	---
MAX	63500	67200	70200	69100	67200	57400	62200	99400	103200	97200	73300	47800
MIN	60100	63700	67300	67600	57800	54700	54800	63000	97800	74100	48600	37400
(#)	4881.8	4883.5	4884.3	4883.7	4879.1	4877.7	4881.2	4896.2	4895.6	4886.5	4874.4	4868.0
(*)	+3400	+3700	+2000	-1400	-10000	-2800	+7200	+37200	-1600	-23700	-25500	-11200

CAL YR 1995 ..... (*) +10,400
WTR YR 1996..... (*) -22,700

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

10140100 OGDEN RIVER BELOW PINEVIEW RESERVOIR NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°15'16", long 111°51'18", in $SE^1/_4NE^1/_4SE^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,760 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow extensively regulated by Pineview Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,390 $ft^3/_s$ Dec. 18, 1991, gage height, 6.20 ft; minimum daily 4.0 $ft^3/_s$ Jan. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 496 $ft^3/_s$ Apr. 18, gage height, 4.44 ft; minimum daily discharge, 7.0 $ft^3/_s$ Dec. 25, Jan. 5-8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	15	9.3	7.5	293	154	359	194	49	145	223	197
2	11	14	9.8	7.2	292	154	386	212	50	137	215	197
3	14	14	10	7.3	291	154	370	135	52	157	232	195
4	16	15	13	7.1	289	155	359	44	56	228	238	211
5	16	15	12	7.0	289	156	357	42	58	231	234	219
6	16	15	12	7.0	289	155	361	42	56	218	239	199
7	15	12	11	7.0	288	155	369	43	54	216	251	186
8	15	10	11	7.0	288	155	378	42	53	216	248	179
9	15	10	10	7.1	288	155	385	48	54	220	231	157
10	15	10	9.9	7.3	262	157	389	46	52	240	260	147
11	15	9.7	9.5	7.7	216	161	380	44	52	240	275	133
12	15	9.9	10	9.0	97	171	371	46	51	234	269	105
13	15	9.8	14	9.0	11	168	362	50	49	247	258	88
14	15	9.3	11	9.0	11	218	356	54	46	253	226	64
15	15	9.3	10	9.0	87	342	325	57	44	247	213	46
16	15	9.1	9.8	9.4	118	344	330	59	42	241	219	24
17	15	9.0	9.3	14	70	341	341	72	40	211	223	11
18	15	8.9	8.6	11	69	338	414	74	38	175	219	e10
19	15	8.7	8.3	10	69	337	466	63	37	164	223	e10
20	15	8.7	8.2	9.8	73	340	461	53	34	173	217	e10
21	15	8.7	8.0	9.7	74	346	457	48	31	175	204	e10
22	15	8.9	7.8	9.6	74	354	458	46	28	188	196	e10
23	15	8.9	7.9	9.7	54	354	463	46	28	235	215	e10
24	15	9.1	7.4	9.6	87	345	473	44	26	290	230	e10
25	15	9.3	7.3	9.6	83	334	472	41	24	277	229	e10
26	15	9.9	7.4	9.6	107	338	471	39	46	273	231	e10
27	15	9.7	7.5	9.6	155	338	468	38	116	269	234	e10
28	15	9.6	7.1	9.7	154	346	461	47	148	265	228	e10
29	15	9.6	7.2	9.5	154	352	280	54	148	242	229	e10
30	15	9.3	7.4	81	---	345	198	53	149	217	219	e10
31	15	---	8.1	221	---	349	---	49	---	220	198	---
TOTAL	457.6	315.4	289.8	558.0	4632	8111	11720	1925	1711	6844	7126	2488
MEAN	14.8	10.5	9.35	18.0	160	262	391	62.1	57.0	221	230	82.9
MAX	16	15	14	221	293	354	473	212	149	290	275	219
MIN	9.6	8.7	7.1	7.0	11	154	198	38	24	137	196	10
AC-FT	908	626	575	1110	9190	16090	23250	3820	3390	13580	14130	4930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	13.2	9.83	29.7	10.2	28.7	108	151	192	153	128	133	54.3
MAX	23.8	14.4	170	18.0	160	446	391	708	319	257	230	138
(WY)	1993	1989	1992	1996	1996	1995	1996	1993	1995	1991	1991	1995
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	59320.0		46177.8			
ANNUAL MEAN	163		126		84.6	
HIGHEST ANNUAL MEAN					162	1995
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	917	Mar 30	473	Apr 24	1110	May 11 1993
LOWEST DAILY MEAN	7.1	Dec 28	7.0	Jan 5	4.0	Jan 10 1992
ANNUAL SEVEN-DAY MINIMUM	7.3	Dec 24	7.1	Jan 3	4.2	Jan 10 1992
ANNUAL RUNOFF (AC-FT)	117700		91590		61320	
10 PERCENT EXCEEDS	472		341		249	
50 PERCENT EXCEEDS	47		54		18	
90 PERCENT EXCEEDS	8.9		9.1		7.1	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT

LOCATION.--Lat 41°16'42", long 112°05'28", in $NW^1/_4NW^1/_4NE^1/_4$ 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 mi^2.

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 sea level. Prior to Aug. 29, 1949, nonrecording 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, and 10134000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft^3/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, 1,850 ft^3/s March 23, gage height, 19.56 ft; minimum daily discharge, 59 ft^3/s July 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	170	200	490	1120	1220	1250	768	603	151	111	82
2	172	169	200	422	1210	917	1460	784	561	e83	109	96
3	155	172	199	408	1220	911	1390	826	552	e76	103	97
4	190	182	204	408	1250	810	827	670	509	73	117	111
5	205	182	274	401	1290	875	949	553	402	100	125	133
6	196	189	289	391	1250	1420	1070	484	269	142	112	125
7	200	215	246	392	1290	1320	1370	409	227	118	105	140
8	224	196	222	384	1320	1290	1540	318	204	115	116	146
9	233	222	208	377	1340	1300	1570	383	189	101	132	177
10	220	239	205	410	1410	1330	1700	312	217	118	101	149
11	225	212	203	429	1350	1050	1720	213	328	115	94	137
12	229	208	245	419	1270	1010	1590	190	788	99	89	e171
13	224	216	261	420	1110	1230	1470	209	841	81	97	e188
14	218	208	247	422	1000	1040	1320	240	740	85	96	187
15	279	200	221	423	1050	1280	1140	253	537	92	86	190
16	266	196	227	439	1170	1330	776	299	475	158	73	183
17	142	197	323	860	1110	1320	1040	546	638	293	78	266
18	111	196	331	581	1130	1290	1230	483	647	282	98	511
19	90	195	337	509	984	1290	1510	457	582	174	107	447
20	90	194	423	480	976	1340	1380	193	481	132	116	335
21	132	195	433	464	1010	1420	1270	129	408	94	113	308
22	146	218	432	454	984	1530	1250	75	343	59	138	284
23	156	198	428	445	887	1730	1080	83	309	75	136	237
24	164	193	424	462	1220	1500	1110	92	286	109	125	226
25	162	191	421	465	1310	1340	1150	113	227	132	114	207
26	160	194	425	455	1300	1220	1200	158	115	122	120	93
27	157	207	430	444	1350	1150	1290	263	82	134	124	92
28	159	200	414	472	1320	1080	1260	702	101	120	126	101
29	165	202	381	480	1330	1380	1060	896	227	127	113	107
30	165	202	417	532	---	1190	807	911	147	155	110	102
31	173	---	554	768	---	1170	---	724	---	123	92	---
TOTAL	5616	5958	9824	14506	34561	38283	37779	12736	12035	3838	3376	5628
MEAN	181	199	317	468	1192	1235	1259	411	401	124	109	188
MAX	279	239	554	860	1410	1730	1720	911	841	293	138	511
MIN	90	169	199	377	887	810	776	75	82	59	73	82
AC-FT	11140	11820	19490	28770	68550	75930	74930	25260	23870	7610	6700	11160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1996, BY WATER YEAR (WY)

MEAN	256	278	324	343	429	691	1101	1393	793	124	84.4	164
MAX	968	748	1884	1691	2399	3502	3639	6201	4233	661	414	968
(WY)	1985	1983	1984	1984	1986	1986	1986	1952	1983	1975	1983	1983
MIN	27.4	20.7	41.8	35.4	40.8	44.5	59.7	15.0	10.3	6.26	3.00	27.4
(WY)	1989	1962	1989	1989	1989	1977	1988	1961	1961	1961	1961	1956

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1949 - 1996	
ANNUAL TOTAL	207646		184140			
ANNUAL MEAN	569		503		498	
HIGHEST ANNUAL MEAN					1427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	3290	Jun 10	1730	Mar 23	9970	May 6 1952
LOWEST DAILY MEAN	70	Aug 3	59	Jul 22	1.0	Sep 1 1961
ANNUAL SEVEN-DAY MINIMUM	89	Aug 26	88	Aug 11	1.0	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	411900		365200		360700	
10 PERCENT EXCEEDS	1470		1290		1310	
50 PERCENT EXCEEDS	224		271		190	
90 PERCENT EXCEEDS	110		103		49	

e Estimated

10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UTAH

LOCATION.--Lat 39°43'02", long 111°43'58", in $SE^1/_4SW^1/_4NW^1/_4$ sec. 5, T. 13 S., R. 2 E., Juab County, Hydrologic Unit 16020201, on right bank 5.6 mi east of Nephi, 0.2 mi below confluence with Hopp Creek, 200 ft downstream from Nephi powerplant Diversion Dam, and 115 ft below mouth of Bradley's Canyon.

DRAINAGE AREA.--60.0 mi^2.

PERIOD OF RECORD.--September 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5750 ft above sea level, from topographic map.

REMARKS.--Records fair. Flow at gage is extensively regulated by Nephi City at powerplant Diversion Dam 200 ft above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150 $ft^3/_s$ June 6, 1995, gage height, 6.49 ft; minimum daily, 2.0 $ft^3/_s$ Dec. 25-29, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 125 $ft^3/_s$ May 16, gage height, 6.59 ft; minimum daily discharge, 2.9 $ft^3/_s$ Nov. 26-28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	4.2	4.0	3.3	3.3	3.3	16	58	41	13	7.7	10
2	6.4	4.1	3.9	3.3	3.3	3.3	28	63	47	12	7.7	9.9
3	6.3	4.0	3.8	3.3	3.3	3.3	23	65	56	14	7.6	8.5
4	5.4	4.0	3.8	3.3	3.3	3.3	22	64	66	15	7.3	7.9
5	4.8	3.8	3.8	3.3	3.3	3.3	22	67	76	14	6.7	8.1
6	4.9	3.7	3.8	3.3	3.3	3.3	24	73	81	13	5.0	8.1
7	5.3	3.6	3.8	3.3	3.3	3.3	32	76	72	13	3.8	8.8
8	5.4	3.5	3.8	3.3	3.3	3.3	50	77	76	13	3.8	8.5
9	5.3	3.6	3.8	3.3	3.3	3.3	73	78	79	13	3.9	8.6
10	5.2	3.5	3.8	3.3	3.3	3.4	78	72	70	13	3.8	8.9
11	5.1	3.5	3.8	3.3	3.3	3.4	59	73	66	13	4.4	9.2
12	5.1	3.3	3.8	3.3	3.3	4.6	51	86	67	10	6.7	9.8
13	5.0	3.3	3.8	3.3	3.3	6.9	40	98	57	7.4	7.3	11
14	4.8	3.3	3.8	3.3	3.3	6.4	30	98	51	7.4	9.6	11
15	4.8	3.3	3.8	3.3	3.3	6.4	27	100	46	16	10	11
16	4.8	3.3	3.8	3.3	3.3	7.8	25	108	42	9.1	8.3	11
17	4.8	3.3	3.6	3.4	3.3	8.1	24	94	40	4.5	8.7	13
18	4.7	3.3	3.5	3.3	3.3	8.2	23	76	36	4.5	9.3	12
19	4.8	3.3	3.5	3.3	3.3	8.8	20	63	33	4.5	10	11
20	4.6	3.3	3.3	3.3	12	11	19	51	30	4.5	10	11
21	4.5	3.2	3.3	3.3	6.8	17	16	45	28	4.5	11	11
22	4.5	3.1	3.3	3.3	3.6	24	15	46	26	4.5	11	10
23	4.5	3.1	3.3	3.3	3.8	29	16	52	24	4.5	10	10
24	4.8	3.1	3.3	3.4	3.3	22	27	43	22	7.3	10	10
25	4.3	3.0	3.3	3.4	3.3	16	42	37	21	6.4	10	10
26	4.3	2.9	3.3	3.4	3.3	13	55	33	20	6.1	11	10
27	4.3	2.9	3.3	3.3	3.3	12	68	33	18	8.8	10	10
28	4.3	2.9	3.3	3.3	3.3	11	61	41	17	8.9	10	10
29	4.3	3.6	3.3	3.3	3.3	12	51	37	15	8.6	10	10
30	4.3	4.2	3.8	3.3	---	11	52	36	13	8.2	10	10
31	4.3	---	3.5	3.3	---	12	---	38	---	8.0	10	---
TOTAL	152.4	103.2	112.0	102.7	108.7	283.7	1089	1981	1336	289.7	254.6	298.3
MEAN	4.92	3.44	3.61	3.31	3.75	9.15	36.3	63.9	44.5	9.35	8.21	9.94
MAX	6.5	4.2	4.0	3.4	12	29	78	108	81	16	11	13
MIN	4.3	2.9	3.3	3.3	3.3	3.3	15	33	13	4.5	3.8	7.9
AC-FT	302	205	222	204	216	563	2160	3930	2650	575	505	592

CAL YR 1995 TOTAL 8698.1 MEAN 23.8 MAX 133 MIN 2.8 AC-FT 17250
WTR YR 1996 TOTAL 6111.3 MEAN 16.7 MAX 108 MIN 2.9 AC-FT 12120

10146000 SALT CREEK AT NEPHI, UTAH

LOCATION.--Lat 39°42'47", long 111°48'13", in $SE^1/_4SW^1/_4NE^1/_4$, sec. 3, T. 13 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on right bank 1.7 mi east of Nephi.

DRAINAGE AREA.--95.6 mi^2.

PERIOD OF RECORD.--December 1950 to September 1980, August 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,280.00 ft above sea level. Dec. 2, 1950 to Nov. 7, 1952, at a site 0.5 mi downstream at datum 31.96 ft lower. Nov. 7, 1952 to Nov. 10, 1971, at a site 0.5 mi downstream at datum 30.53 ft lower.

REMARKS.--Records good. Flow regulated by Nephi City powerplant diversion dam about 5.0 mi above gage since December, 1984.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 832 $ft^3/_s$ Aug. 1, 1968, gage height, 6.43 ft from floodmarks; minimum, 1.1 $ft^3/_s$ Dec. 13, 1951, Dec. 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 148 $ft^3/_s$ May 17, gage height, 2.62 ft; minimum daily discharge, 6.0 $ft^3/_s$ Feb. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.9	8.4	7.3	7.0	6.6	17	69	45	17	16	12
2	13	8.8	8.4	7.0	6.9	6.3	25	72	51	17	16	12
3	13	8.8	8.4	7.0	6.0	6.4	27	71	59	17	16	11
4	12	8.8	8.4	7.0	6.7	6.4	26	70	69	19	16	11
5	11	8.8	8.5	7.0	6.7	6.6	25	75	80	19	15	10
6	11	8.7	8.3	7.0	7.1	6.5	25	76	86	18	14	10
7	11	8.7	8.5	7.0	7.2	6.4	28	79	77	18	12	10
8	11	8.7	8.4	7.0	7.2	6.4	42	81	79	18	11	11
9	11	8.7	8.3	7.0	7.1	6.6	65	84	79	17	11	11
10	11	8.7	8.0	7.0	6.9	6.9	89	82	73	17	11	11
11	11	8.4	8.0	7.0	6.8	7.1	67	81	68	17	11	11
12	11	8.4	8.2	7.0	6.7	8.0	62	90	68	17	11	11
13	11	8.4	8.2	7.0	6.6	11	52	100	62	14	11	13
14	11	8.3	8.0	7.0	6.7	11	41	104	55	13	12	13
15	11	8.0	8.0	7.0	6.7	10	37	110	51	16	14	13
16	11	8.0	8.0	7.4	6.7	11	35	124	47	20	13	13
17	10	8.0	8.0	8.7	6.8	12	34	130	45	14	12	14
18	10	8.0	7.8	7.5	7.1	12	33	106	42	13	13	14
19	10	8.0	7.7	7.1	7.0	12	31	91	37	12	13	13
20	10	8.0	7.7	7.0	19	13	30	74	34	12	13	13
21	10	7.9	7.6	7.0	20	15	29	67	31	12	13	13
22	10	7.6	7.5	7.0	10	22	26	64	31	12	13	12
23	9.9	7.6	7.4	6.9	8.1	27	25	69	29	12	13	12
24	10	7.6	7.2	7.0	7.8	27	29	59	28	13	13	12
25	9.8	7.5	7.3	7.1	7.3	22	48	50	27	16	13	12
26	9.5	7.5	7.2	6.9	7.1	18	60	44	25	13	13	12
27	9.5	7.3	7.1	6.8	6.9	16	71	41	24	16	13	12
28	9.5	7.3	7.4	7.0	6.7	15	72	48	22	17	12	13
29	9.1	7.4	7.0	7.0	6.8	16	64	43	20	17	12	12
30	9.1	8.2	7.4	7.0	---	15	65	42	18	17	12	12
31	9.1	---	9.1	7.2	---	15	---	43	---	16	12	---
TOTAL	328.5	245.0	245.4	219.9	229.6	380.2	1280	2339	1462	486	400	359
MEAN	10.6	8.17	7.92	7.09	7.92	12.3	42.7	75.5	48.7	15.7	12.9	12.0
MAX	13	8.9	9.1	8.7	20	27	89	130	86	20	16	14
MIN	9.1	7.3	7.0	6.8	6.0	6.3	17	41	18	12	11	10
AC-FT	652	486	487	436	455	754	2540	4640	2900	964	793	712

CAL YR 1995 TOTAL 10932.2 MEAN 30.0 MAX 186 MIN 3.3 AC-FT 21680
WTR YR 1996 TOTAL 7974.6 MEAN 21.8 MAX 130 MIN 6.0 AC-FT 15820

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in $NE^1/_4SW^1/_4NW^1/_4$, 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 sea level, from topographic map. Prior to June 10, 1985, at same site, different datum. Prior to October 1, 1992, at same site, different datum.

REMARKS.--Records good except for May 16 to Sept. 30, which is 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, 1.5 $ft^3/_s$ Nov. 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 242 $ft^3/_s$ Feb 21, gage height, 6.54 ft; minimum daily discharge, 3.4 $ft^3/_s$ Aug 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	18	26	26	38	22	20	14	8.7	12	7.6
2	14	15	18	24	31	37	23	20	14	8.5	12	7.2
3	14	15	18	25	27	34	25	20	20	9.0	9.3	6.9
4	14	15	18	27	25	31	21	22	16	9.1	8.2	7.9
5	14	15	21	26	28	31	19	20	7.8	9.4	7.7	7.7
6	14	16	21	24	33	37	19	21	7.8	9.1	9.7	7.6
7	14	16	21	25	39	35	19	18	8.5	6.1	12	7.6
8	14	16	21	27	46	30	18	18	9.8	6.3	12	7.6
9	13	16	20	28	56	27	20	18	10	9.1	10	7.5
10	13	17	20	28	51	26	20	16	13	8.4	9.4	7.5
11	13	16	20	27	42	25	24	16	14	7.6	8.5	7.6
12	13	17	21	28	37	33	27	16	12	6.9	7.3	7.6
13	14	16	22	29	32	53	47	17	9.0	7.1	3.6	8.2
14	14	16	21	29	29	92	42	18	8.5	12	3.4	7.8
15	14	16	21	30	27	44	28	18	8.3	10	3.9	7.6
16	14	16	21	32	26	35	23	23	8.3	10	5.1	7.8
17	14	16	21	41	26	31	27	24	8.2	12	6.7	8.4
18	14	17	20	30	29	28	34	25	8.7	12	8.7	8.2
19	14	17	19	27	29	27	32	20	8.9	11	8.4	8.0
20	14	17	20	29	68	27	29	17	9.3	9.1	8.1	8.0
21	14	17	20	29	169	27	29	15	9.4	8.5	20	8.3
22	14	18	19	30	62	28	25	14	10	8.0	15	8.0
23	14	17	18	27	45	68	22	20	10	7.8	9.1	7.9
24	15	18	18	30	40	66	20	18	9.5	7.6	8.1	7.9
25	15	18	18	31	35	48	18	18	9.4	7.6	7.6	7.9
26	15	18	18	27	36	40	17	19	9.7	8.0	7.7	8.0
27	15	18	18	25	34	30	18	20	10	9.4	7.8	7.9
28	15	17	18	28	32	25	20	28	9.6	9.1	7.5	8.0
29	15	18	19	28	36	25	20	26	9.3	9.2	7.1	8.0
30	15	18	20	29	---	24	20	20	9.0	7.9	7.1	8.1
31	15	---	28	26	---	22	---	17	---	6.1	7.5	---
TOTAL	438	497	616	872	1196	1124	728	602	312.0	270.6	270.5	234.3
MEAN	14.1	16.6	19.9	28.1	41.2	36.3	24.3	19.4	10.4	8.73	8.73	7.81
MAX	15	18	28	41	169	92	47	28	20	12	20	8.4
MIN	13	15	18	24	25	22	17	14	7.8	6.1	3.4	6.9
AC-FT	869	986	1220	1730	2370	2230	1440	1190	619	537	537	465

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1996, BY WATER YEAR (WY)

MEAN	21.0	26.3	27.4	28.7	41.3	53.5	53.1	57.8	34.2	13.9	12.2	14.2
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	6.26	5.22	6.64	9.01	15.1	14.3	9.25	6.16	4.92	4.24	2.98	3.60
(WY)	1993	1993	1993	1993	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1979 - 1996	
ANNUAL TOTAL	7199.5		7160.4			
ANNUAL MEAN	19.7		19.6		31.9	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					7.87	1992
HIGHEST DAILY MEAN	99	Jun 7	169	Feb 21	566	May 14 1984
LOWEST DAILY MEAN	9.2	Jan 3	3.4	Aug 14	1.5	Nov 4 1992
ANNUAL SEVEN-DAY MINIMUM	9.9	Jan 1	5.5	Aug 11	1.8	Nov 4 1992
ANNUAL RUNOFF (AC-FT)	14280		14200		23120	
10 PERCENT EXCEEDS	31		32		73	
50 PERCENT EXCEEDS	15		17		15	
90 PERCENT EXCEEDS	12		7.8		6.7	

10148200 TIE FORK NEAR SOLDIER SUMMIT, UT

LOCATION.--39°57'00", long 111°12'58", in $NE^1/_4NE^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1963 to September 1996 (discontinued).

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

GAGE.--Water-stage recorder and artificial control. Elevation of gage is 6,120 ft above sea level, 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 $ft^3/_s$ 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 $ft^3/_s$ on basis of slope-area measurement; minimum, 0.15 $ft^3/_s$ Aug. 19, 20, 1983, result of temporary blockage upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 10-19	----	*15	*2.03	No other peak greater than base discharge.			

Minimum daily discharge, 1.50 $ft^3/_s$ Feb. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	3.9	3.0	e2.5	1.9	e1.7	7.4	11	9.7	7.5	5.2	3.2
2	4.8	3.7	3.0	e2.4	1.9	e1.8	7.8	11	9.1	7.5	5.2	3.2
3	4.8	4.1	3.0	e2.3	e1.9	e1.9	7.6	11	9.2	7.4	5.1	3.1
4	5.0	3.8	3.2	e2.5	e2.0	2.0	7.6	11	10	7.3	5.0	e3.2
5	4.9	4.0	3.1	e2.4	2.1	2.1	7.8	12	9.8	7.3	5.0	e3.2
6	4.8	3.6	3.3	e2.4	2.0	1.9	8.0	13	9.9	7.1	4.9	e3.1
7	4.7	3.5	3.1	e2.3	1.8	e1.8	8.3	13	9.8	7.1	4.9	e3.1
8	4.7	3.6	3.0	e2.4	1.8	2.0	8.8	13	9.7	7.1	4.8	e3.2
9	4.6	3.9	3.0	e2.5	1.8	2.2	9.2	13	9.5	7.0	4.7	e3.2
10	4.6	3.8	3.0	e2.5	1.8	2.7	9.8	15	9.4	7.0	4.5	e3.3
11	4.5	3.7	3.0	e2.4	1.9	3.0	9.7	15	9.3	6.8	4.4	e3.3
12	4.4	3.7	3.0	e2.3	1.9	3.8	9.5	15	9.1	6.8	4.3	e3.7
13	4.5	3.7	3.0	e2.4	1.9	3.8	9.8	15	9.0	6.7	4.2	e4.0
14	4.5	3.5	3.0	e2.5	1.9	4.2	9.0	15	8.8	6.6	4.1	e4.3
15	4.4	3.4	2.8	e2.5	2.1	4.9	8.3	15	8.6	6.6	4.0	e3.3
16	4.4	3.4	2.8	e2.5	2.0	5.2	8.6	15	8.5	6.6	4.0	e2.8
17	4.4	3.4	2.8	2.4	2.1	5.1	8.5	15	8.3	6.7	4.0	e3.0
18	4.3	3.4	2.2	2.3	e2.1	5.3	8.5	15	8.2	6.4	4.0	e3.2
19	4.2	3.3	2.8	2.4	2.0	5.5	8.5	15	8.2	6.3	3.8	e2.8
20	4.3	3.3	2.6	2.3	e2.0	6.1	8.6	13	8.2	6.2	3.8	e2.6
21	4.2	3.3	2.5	2.3	e2.1	6.7	8.5	12	8.6	6.1	3.7	e2.4
22	4.2	3.2	e2.4	2.3	2.2	6.9	8.6	12	8.2	6.0	3.7	e2.3
23	4.2	3.2	e2.3	2.3	2.0	7.2	8.7	12	8.0	5.9	3.7	e2.3
24	4.2	3.3	e2.2	2.2	2.1	7.0	8.9	11	7.9	5.7	3.7	e2.4
25	4.2	3.3	e2.5	2.2	2.0	7.0	9.1	11	7.9	5.6	3.6	e2.4
26	4.1	3.3	e2.6	2.0	2.0	6.5	9.4	11	8.0	5.6	3.6	e2.4
27	4.0	3.2	e2.6	e2.1	1.7	7.0	9.8	11	8.0	5.5	3.6	e2.5
28	4.0	3.1	e2.5	2.2	e1.5	7.1	10	11	7.8	5.6	3.4	e2.6
29	4.0	3.0	e2.5	2.1	e1.7	7.1	10	11	7.7	5.5	3.4	e2.5
30	4.0	3.1	e2.5	2.2	---	7.0	11	10	7.6	5.4	3.3	e2.5
31	4.0	---	e2.6	2.1	---	7.1	---	10	---	5.3	3.3	---
TOTAL	136.9	104.7	85.9	72.2	56.2	143.6	265.3	393	262.0	200.2	128.9	89.1
MEAN	4.42	3.49	2.77	2.33	1.94	4.63	8.84	12.7	8.73	6.46	4.16	2.97
MAX	5.0	4.1	3.3	2.5	2.2	7.2	11	15	10	7.5	5.2	4.3
MIN	4.0	3.0	2.2	2.0	1.5	1.7	7.4	10	7.6	5.3	3.3	2.3
AC-FT	272	208	170	143	111	285	526	780	520	397	256	177

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	3.32	3.02	2.66	2.52	2.66	3.74	7.61	14.8	10.7	6.98	4.93	3.76
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	.93	.71	1.20	1.70	1.83	1.80	1.57	1.23	.72	.70
(WY)	1978	1978	1993	1993	1993	1991	1992	1992	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	2420.7		1938.0			
ANNUAL MEAN	6.63		5.30		5.57	
HIGHEST ANNUAL MEAN					14.1	1984
LOWEST ANNUAL MEAN					1.66	1992
HIGHEST DAILY MEAN	16	May 19	15	May 10	84	May 31 1983
LOWEST DAILY MEAN	1.7	Jan 23	1.5	Feb 28	.20	Aug 20 1983
ANNUAL SEVEN-DAY MINIMUM	1.8	Feb 2	1.8	Feb 26	.63	Jan 18 1993
ANNUAL RUNOFF (AC-FT)	4800		3840		4030	
10 PERCENT EXCEEDS	14		9.8		11	
50 PERCENT EXCEEDS	5.2		4.0		3.5	
90 PERCENT EXCEEDS	2.0		2.1		1.9	

e Estimated

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 sea level, 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, 484 $ft^3/_s$ July 31, gage height 2.85 ft; minimum daily discharge 14 $ft^3/_s$, many days in Dec., Jan., and Feb.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	20	18	15	15	22	46	176	103	315	441	262
2	24	18	17	15	e14	22	60	191	100	366	410	261
3	23	18	17	14	e14	21	56	202	101	365	391	219
4	24	18	24	15	e14	20	56	201	100	335	392	212
5	24	19	22	14	e14	21	58	199	134	349	388	235
6	23	19	24	e14	e15	20	63	208	133	320	373	217
7	23	18	19	14	16	20	78	213	151	337	402	215
8	24	18	18	14	16	20	101	209	183	356	394	198
9	24	23	18	14	17	21	122	206	215	370	378	196
10	24	23	18	14	17	23	132	199	239	360	414	196
11	23	18	18	14	17	25	121	197	275	340	391	187
12	23	20	19	15	17	29	113	202	275	304	405	183
13	23	19	20	15	18	31	101	210	295	292	407	164
14	23	19	18	15	18	29	90	213	329	271	416	178
15	23	18	17	14	18	30	87	208	327	274	439	146
16	22	18	18	16	18	31	88	204	308	311	417	156
17	22	18	17	e15	18	30	93	191	343	305	382	112
18	21	18	15	16	21	29	92	179	393	276	374	65
19	21	18	18	16	20	30	86	167	458	262	365	46
20	21	18	16	15	27	32	84	151	447	251	346	42
21	21	18	17	16	28	38	79	139	452	250	310	42
22	22	18	e16	16	27	44	77	132	400	283	299	41
23	21	17	e15	15	23	48	83	132	377	308	326	41
24	21	18	e15	15	23	39	117	125	370	378	337	49
25	21	18	e14	e15	22	36	118	123	383	441	329	63
26	20	19	e14	e14	22	34	144	117	406	428	326	66
27	20	18	e14	e14	21	33	163	114	393	418	275	75
28	20	18	e14	e15	e20	33	156	115	351	409	253	76
29	20	18	e14	15	e21	35	150	110	335	392	248	67
30	20	18	e15	16	---	33	177	107	313	373	260	64
31	19	---	e15	16	---	37	---	107	---	460	279	---
TOTAL	693	558	534	461	551	916	2991	5247	8689	10499	11167	4074
MEAN	22.4	18.6	17.2	14.9	19.0	29.5	99.7	169	290	339	360	136
MAX	33	23	24	16	28	48	177	213	458	460	441	262
MIN	19	17	14	14	14	20	46	107	100	250	248	41
AC-FT	1370	1110	1060	914	1090	1820	5930	10410	17230	20820	22150	8080

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	24.2	42.0	67.2	73.2	73.9	81.1	118	197	307	356	325	172
MAX	49.5	97.7	122	122	122	123	226	278	415	414	389	303
(WY)	1989	1990	1993	1993	1993	1992	1992	1992	1989	1991	1993	1992
MIN	13.5	14.7	17.2	14.9	19.0	29.5	25.7	54.4	203	276	250	117
(WY)	1992	1989	1996	1996	1996	1996	1994	1991	1993	1995	1994	1991

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	44851		46380			
ANNUAL MEAN	123		127		153	
HIGHEST ANNUAL MEAN					194	1992
LOWEST ANNUAL MEAN					124	1995
HIGHEST DAILY MEAN	378	Jul 19	460	Jul 31	493	Jun 25 1994
LOWEST DAILY MEAN	14	Dec 25	14	Dec 25	10	Dec 17 1988
ANNUAL SEVEN-DAY MINIMUM	14	Dec 23	14	Jan 5	11	Dec 3 1988
ANNUAL RUNOFF (AC-FT)	88960		91990		111200	
10 PERCENT EXCEEDS	301		370		375	
50 PERCENT EXCEEDS	76		41		106	
90 PERCENT EXCEEDS	18		15		17	

e Estimated

10150500 SPANISH FORK AT CASTILLA, UT

LOCATION.--Lat 40°02'59", long 111°32'50", in $SE^1/_4NE^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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 poor. 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 $ft^3/_s$ May 15, 1984, gage height, 11.53 ft; minimum, 5.8 $ft^3/_s$ Dec. 18, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 861 $ft^3/_s$ May 15, gage height, 5.39 ft; minimum daily discharge, 75 $ft^3/_s$ Dec. 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	103	96	100	97	106	e294	558	380	438	e525	326
2	102	98	98	92	93	108	e285	610	358	483	e493	324
3	102	96	97	95	e80	116	271	642	356	492	e472	283
4	109	97	101	96	e82	118	262	636	341	461	e472	270
5	106	96	110	93	96	130	262	630	380	469	e467	294
6	105	102	112	87	99	125	270	677	368	435	e451	287
7	106	101	103	93	98	116	300	713	375	444	e478	283
8	105	101	100	93	97	116	360	713	404	461	e469	267
9	101	113	98	96	96	123	428	722	439	485	e452	264
10	101	122	96	98	99	141	505	713	459	473	e487	265
11	104	106	98	98	99	161	447	721	493	446	e462	261
12	108	108	102	98	102	221	417	749	495	410	e475	259
13	106	107	108	96	103	252	389	799	503	385	e476	250
14	104	104	106	96	103	219	343	833	525	363	e484	280
15	101	102	99	100	102	202	326	837	522	359	e505	234
16	102	101	99	104	103	201	324	830	500	401	e482	242
17	102	99	95	145	104	186	341	806	518	418	e446	211
18	103	101	89	106	117	e170	346	757	553	373	e437	157
19	105	101	86	106	123	e174	339	714	583	e362	e426	137
20	105	104	90	104	210	e186	336	655	590	e350	e406	134
21	104	99	88	97	218	e205	319	601	614	e348	e369	131
22	109	94	76	104	227	e235	306	552	576	e379	e357	125
23	110	93	75	97	149	e283	304	568	531	e403	e382	116
24	109	93	76	100	136	e267	362	521	510	e472	e392	119
25	107	94	78	101	128	e240	407	507	520	e534	e383	132
26	111	105	79	95	123	e219	468	470	547	e519	e379	140
27	110	104	79	89	111	e214	537	443	560	e508	e327	150
28	112	100	80	99	105	e218	526	469	518	e498	e303	156
29	113	97	85	94	110	e238	488	436	486	e480	306	150
30	114	96	91	101	---	e211	531	413	456	e459	313	148
31	114	---	114	101	---	e230	---	393	---	e545	333	---
TOTAL	3307	3037	2904	3074	3410	5731	11093	19688	14460	13653	13209	6395
MEAN	107	101	93.7	99.2	118	185	370	635	482	440	426	213
MAX	117	122	114	145	227	283	537	837	614	545	525	326
MIN	101	93	75	87	80	106	262	393	341	348	303	116
AC-FT	6560	6020	5760	6100	6760	11370	22000	39050	28680	27080	26200	12680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1996, BY WATER YEAR (WY)

MEAN	110	85.9	79.1	79.9	93.2	133	269	548	465	400	327	201
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1920 - 1996	
ANNUAL TOTAL	110508		99961			
ANNUAL MEAN	303		273		234	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	1180	May 23	837	May 15	3700	May 15 1984
LOWEST DAILY MEAN	45	Jan 1	75	Dec 23	20	Dec 9 1951
ANNUAL SEVEN-DAY MINIMUM	61	Jan 1	78	Dec 22	27	Oct 25 1934
ANNUAL RUNOFF (AC-FT)	219200		198300		169600	
10 PERCENT EXCEEDS	729		525		508	
50 PERCENT EXCEEDS	185		212		147	
90 PERCENT EXCEEDS	80		96		60	

e Estimated

10153800 NORTH FORK PROVO RIVER NEAR KAMAS, UT

LOCATION.--Lat 40°35'48", long 111°05'48", in NE$^1/_4$SW$^1/_4$SE$^1/_4$ 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 mi^2.

PERIOD OF RECORD.--August 1963 to September 1996 (discontinued).

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

GAGE.--Water-stage recorder. Elevation of gage is 7,480 ft above sea level, 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 ft$^3/_s$ June 5, 1986, gage height, 2.98 ft; minimum, 1.5 ft$^3/_s$ Sept. 26-29, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 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 16	1900	401	2.38	June 05	2000	*569	*2.67

Minimum daily discharge, 3.9 ft$^3/_s$ Feb. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	7.1	e6.9	e6.3	e6.0	e5.9	14	59	136	57	28	9.7
2	7.0	e6.4	e7.0	e6.2	e5.7	e5.9	16	65	181	54	27	9.4
3	6.7	e6.0	e6.6	e7.0	e5.2	e6.2	15	69	231	49	26	9.0
4	8.8	e6.1	e7.2	e6.6	e4.6	e6.5	15	73	293	43	23	8.6
5	8.6	e6.4	e7.0	e6.9	e3.9	e6.7	16	85	353	40	21	8.4
6	8.7	e6.7	e6.9	e7.2	e4.2	e6.6	19	106	337	36	20	8.4
7	8.6	e6.9	e6.7	e7.2	e5.0	e6.4	27	117	329	33	20	8.0
8	7.8	8.2	e6.6	e7.4	e5.3	e6.3	55	121	347	31	20	7.7
9	7.6	6.7	e6.9	e7.4	e5.4	e6.3	61	122	337	31	19	7.4
10	7.5	7.6	e6.6	e7.3	e5.5	e6.6	e69	125	309	29	18	7.2
11	7.6	e7.3	e6.1	e7.3	e5.3	e6.8	e62	156	292	27	18	7.2
12	7.5	e8.3	e6.1	e7.2	e5.1	e6.8	e50	208	279	25	17	6.7
13	7.0	e9.6	e6.4	e7.2	e5.2	e7.0	e44	272	253	24	17	10
14	6.7	e8.6	e6.7	e7.1	e5.2	e7.6	e37	309	234	22	17	13
15	6.7	e7.8	e6.8	e7.0	e5.3	e7.9	e34	319	222	22	16	7.8
16	6.4	7.3	e6.5	e6.4	e5.4	e8.0	e35	338	207	23	16	8.2
17	6.2	7.1	e7.1	e6.2	e5.6	e8.0	e36	320	188	25	16	8.9
18	6.1	6.7	e6.4	e5.8	e5.6	e8.8	31	274	168	22	16	7.9
19	6.0	6.7	e5.9	e5.6	e5.4	e9.2	30	206	153	20	15	7.1
20	5.8	6.7	e6.6	e5.9	e5.4	e9.9	28	165	139	18	14	7.0
21	5.9	6.5	e6.4	e6.2	e5.5	e9.9	27	156	134	17	14	7.4
22	6.4	6.3	e5.7	e6.3	e5.6	e11	24	172	121	16	14	6.7
23	8.7	e5.8	e5.0	e6.2	e5.8	e13	26	206	105	16	13	6.0
24	10	e5.2	e4.8	e6.3	e5.6	e13	35	169	95	15	13	5.7
25	9.7	e5.6	e4.5	e6.4	e5.4	e13	37	141	86	15	13	5.4
26	7.2	6.0	e4.9	e6.2	e5.8	e13	43	118	82	14	12	5.2
27	7.0	e6.2	e4.8	e6.1	e5.9	e14	46	105	94	18	12	5.2
28	6.8	e7.2	e5.1	e5.6	e6.0	9.5	43	120	80	28	11	5.1
29	7.0	e6.3	e5.7	e5.6	e6.0	9.9	43	109	69	28	11	4.9
30	7.0	e6.6	e5.7	e6.0	---	9.6	49	112	63	28	11	4.8
31	7.1	---	e6.4	e6.0	---	11	---	114	---	28	10	---
TOTAL	227.7	205.9	192.0	202.1	155.9	270.3	1067	5031	5917	854	518	224.0
MEAN	7.35	6.86	6.19	6.52	5.38	8.72	35.6	162	197	27.5	16.7	7.47
MAX	10	9.6	7.2	7.4	6.0	14	69	338	353	57	28	13
MIN	5.8	5.2	4.5	5.6	3.9	5.9	14	59	63	14	10	4.8
AC-FT	452	408	381	401	309	536	2120	9980	11740	1690	1030	444

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	8.40	7.16	6.66	6.08	5.98	8.75	33.2	139	172	54.3	20.1	8.73
MAX	37.0	17.1	15.6	10.1	11.5	29.8	78.4	237	345	169	48.0	27.9
(WY)	1983	1983	1985	1986	1986	1986	1985	1993	1986	1975	1983	1983
MIN	2.91	2.87	2.74	2.45	2.00	2.00	6.85	31.6	27.3	7.88	3.47	2.50
(WY)	1993	1977	1977	1977	1977	1977	1975	1977	1992	1992	1992	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	19571.0		14864.9			
ANNUAL MEAN	53.6		40.6		39.2	
HIGHEST ANNUAL MEAN					68.9	1986
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	509	Jun 15	353	Jun 5	539	Jun 2 1986
LOWEST DAILY MEAN	4.5	Dec 25	3.9	Feb 5	1.6	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	5.0	Dec 22	4.8	Feb 3	1.8	Sep 22 1994
ANNUAL RUNOFF (AC-FT)	38820		29480		28420	
10 PERCENT EXCEEDS	197		128		122	
50 PERCENT EXCEEDS	13		8.5		9.1	
90 PERCENT EXCEEDS	6.4		5.6		4.1	

e Estimated

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in $NE^1/_4NW^1/_4SE^1/_4$ 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 mi^2.

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 sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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 $ft^3/_s$ June 7, 1986, from rating curve extended above 2,000 $ft^3/_s$ on the basis of slope-area measurement of peak flow, gage height, 7.40 ft; minimum, 16 $ft^3/_s$ Nov. 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,600 $ft^3/_s$ May 16, gage height, 6.38 ft; minimum, 35 $ft^3/_s$ Dec. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	e72	72	68	70	119	126	413	989	378	121	83
2	74	e71	69	66	63	114	145	457	1180	350	120	80
3	73	e70	63	67	58	111	139	500	1440	324	121	80
4	e73	e70	73	66	65	108	141	522	1500	301	119	82
5	e72	e70	72	65	69	104	139	583	1460	299	113	90
6	e73	e71	82	62	64	102	156	718	1460	269	111	94
7	e73	e71	76	64	64	94	196	794	1430	237	106	90
8	e71	e73	64	62	63	98	275	808	1430	220	102	88
9	e72	e72	77	62	64	97	378	838	1430	214	100	85
10	e71	e73	71	62	64	102	433	841	1320	206	98	88
11	e73	e74	69	61	63	103	386	985	1160	191	97	89
12	e72	e74	71	59	63	103	321	1260	1110	182	94	86
13	e72	e76	73	60	63	99	273	1590	1000	173	92	100
14	e71	85	63	59	63	95	242	1790	1040	166	89	112
15	e72	79	61	60	64	91	236	1920	1290	162	94	92
16	e73	76	74	61	65	91	241	2180	1190	161	94	93
17	e74	73	68	60	67	90	244	2170	1140	176	95	101
18	e73	71	53	57	69	87	221	1900	1010	159	98	89
19	e73	70	49	67	68	85	214	1530	637	147	95	85
20	e72	69	58	69	70	89	200	1220	569	142	93	81
21	e70	67	56	69	72	98	190	1140	614	136	94	80
22	e71	67	45	69	73	111	184	1190	775	133	93	77
23	e71	65	44	65	67	116	198	1280	672	127	90	74
24	e72	64	50	66	71	109	242	1040	617	121	88	71
25	e72	65	55	65	72	100	265	935	577	138	90	69
26	e73	70	56	64	77	94	304	872	536	134	91	68
27	e73	64	54	64	78	97	341	860	617	134	89	66
28	e72	68	55	69	e91	95	313	994	563	147	101	66
29	e74	79	61	68	118	100	302	911	452	142	102	65
30	e75	74	67	71	---	96	342	920	408	123	99	63
31	e74	---	66	73	---	101	---	934	---	123	86	---
TOTAL	2245	2143	1967	2000	2018	3099	7387	34095	29616	5915	3075	2487
MEAN	72.4	71.4	63.5	64.5	69.6	100	246	1100	987	191	99.2	82.9
MAX	75	85	82	73	118	119	433	2180	1500	378	121	112
MIN	70	64	44	57	58	85	126	413	408	121	86	63
AC-FT	4450	4250	3900	3970	4000	6150	14650	67630	58740	11730	6100	4930

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	73.1	65.9	60.7	58.6	58.0	73.9	195	774	809	259	119	81.8
MAX	155	97.9	97.3	86.9	95.7	198	370	1253	1653	730	255	166
(WY)	1983	1983	1984	1984	1986	1986	1985	1993	1995	1995	1965	1982
MIN	41.3	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	1989	1993	1977	1977	1977	1975	1975	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	115154		96047			
ANNUAL MEAN	315		262		219	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	2320	Jun 15	2180	May 16	2530	May 28 1979
LOWEST DAILY MEAN	39	Jan 1	44	Dec 23	24	Aug 26 1992
ANNUAL SEVEN-DAY MINIMUM	48	Jan 1	51	Dec 18	25	Aug 24 1992
ANNUAL RUNOFF (AC-FT)	228400		190500		159000	
10 PERCENT EXCEEDS	1100		914		638	
50 PERCENT EXCEEDS	103		90		80	
90 PERCENT EXCEEDS	56		64		47	

e Estimated

10154500 WEBER - PROVO DIVERSION CANAL NEAR WOODLAND, UT

LOCATION (REVISED).--Lat 40°36'50", long 111°18'15", in $NE^1/_4SW^1/_4SE^1/_4$ sec. 30, T. 2 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on left bank 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 sea level, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Canal diverts water from Weber River in $NW^1/_4SW^1/_4SW^1/_4$ sec. 21, T. 1 S., R. 6 E., and from Beaver Creek in $SW^1/_4NE^1/_4SE^1/_4$ sec. 17, T. 2 S., R. 6 E., to Provo River.

EXTREMES FOR PERIOD OF RECORD.--(Period of diversion only) Maximum daily discharge, 870 $ft^3/_s$ 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 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	e3.8	23	296	442	---	---	---
2	---	---	---	---	---	e4.4	26	316	512	---	---	---
3	---	---	---	---	---	e4.1	22	345	642	---	---	---
4	---	---	---	---	---	e3.7	22	371	803	---	---	---
5	---	---	---	---	---	e3.6	44	381	717	---	---	---
6	---	---	---	---	---	e3.9	45	456	400	---	---	---
7	---	---	---	---	---	e7.8	54	497	258	---	---	---
8	---	---	---	---	---	e9.0	69	421	64	---	---	---
9	---	---	---	---	---	e10	136	324	69	---	---	---
10	---	---	---	---	---	13	274	318	63	---	---	---
11	---	---	---	---	---	13	255	322	54	---	---	---
12	---	---	---	---	---	14	219	335	52	---	---	---
13	---	---	---	---	---	14	202	343	48	---	---	---
14	---	---	---	---	---	15	175	339	44	---	---	---
15	---	---	---	---	---	25	173	356	33	---	---	---
16	---	---	---	---	---	16	e180	352	27	---	---	---
17	---	---	---	---	---	15	194	337	22	---	---	---
18	---	---	---	---	---	40	181	357	18	---	---	---
19	---	---	---	---	---	31	168	700	13	---	---	---
20	---	---	---	---	---	16	157	695	4.9	---	---	---
21	---	---	---	---	---	16	142	641	6.8	---	---	---
22	---	---	---	---	---	19	134	636	9.5	---	---	---
23	---	---	---	---	---	22	142	706	7.5	---	---	---
24	---	---	---	---	---	18	176	625	22	---	---	---
25	---	---	---	---	---	17	196	555	141	---	---	---
26	---	---	---	---	---	16	218	499	243	---	---	---
27	---	---	---	---	---	16	244	480	338	---	---	---
28	---	---	---	---	---	18	226	479	333	---	---	---
29	---	---	---	---	---	20	227	418	279	---	---	---
30	---	---	---	---	---	18	243	425	226	---	---	---
31	---	---	---	---	---	20	---	446	---	---	---	---
TOTAL	---	---	---	---	---	462.3	4567	13771	5891.7	---	---	---
MEAN	---	---	---	---	---	14.9	152	444	196	---	---	---
MAX	---	---	---	---	---	40	274	706	803	---	---	---
MIN	---	---	---	---	---	3.6	22	296	4.9	---	---	---
AC-FT	---	---	---	---	---	917	9060	27310	11690	---	---	---

e Estimated

10155000 PROVO RIVER NEAR HAILSTONE, UT

LOCATION.--Lat 40°36'03", long 111°19'51", in $SW^1/_4NE^1/_4SW^1/_4$ sec. 36, T. 2 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on left bank 0.25 mi downstream of bridge on State Highway 32, 4.5 mi upstream from Ross Creek and Hailstone. Prior to Apr. 8, 1993, at site 1.5 mi downstream.

DRAINAGE AREA.--219 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR UT-89-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,220 ft above sea level, from topographic map. Prior to Nov. 20, 1964 at datum 1.00 ft higher. Gage relocated 1.5 mi upstream on Apr. 8, 1993, to a site above the high water line of Jordanelle Reservoir, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Weber- Provo diversion canal and Duchesne Tunnel, a transbasin 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 $ft^3/_s$ June 7, 1986, from rating curve extended above 2,500 $ft^3/_s$; gage height, 9.91 ft from floodmarks at site and datum then in use; minimum, 11 $ft^3/_s$ Aug. 20, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,670 $ft^3/_s$ June 4, gage height 8.52 ft; minimum daily discharge, 52 $ft^3/_s$ Aug. 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	85	109	e100	e82	156	189	769	1260	529	75	66
2	87	75	107	e96	e80	152	230	839	1560	471	74	63
3	85	81	100	e96	e78	132	205	929	2020	423	74	61
4	98	80	116	e90	e80	114	203	976	2380	382	76	60
5	96	74	111	e83	e82	116	215	1040	2250	382	73	66
6	95	78	128	e88	e83	111	233	1280	2010	320	69	72
7	93	82	116	95	e88	104	287	1420	1830	271	69	66
8	90	77	105	92	93	113	389	1340	1590	234	65	64
9	88	90	114	91	90	116	556	1280	1610	226	61	63
10	86	90	112	88	89	122	778	1230	1500	211	60	62
11	86	84	106	e85	88	129	720	1370	1280	197	63	68
12	86	100	112	e84	90	138	603	1680	1220	182	59	70
13	86	97	124	e82	99	136	522	2080	1100	168	58	93
14	84	102	104	e84	90	127	453	2440	1050	150	53	99
15	84	123	101	85	88	127	439	2460	1360	144	59	93
16	83	119	110	89	89	133	458	2230	1250	148	60	102
17	82	113	109	91	90	126	514	2260	1180	162	61	115
18	81	102	e116	e88	96	120	461	1790	1090	135	66	104
19	82	101	e102	e85	94	121	432	1790	636	117	62	96
20	83	100	e110	e85	109	133	396	1490	556	112	55	94
21	83	101	e102	e89	107	157	360	1330	566	107	52	92
22	85	102	e105	e88	109	182	347	1370	784	96	54	87
23	85	103	e108	e89	105	186	369	1590	665	88	53	84
24	85	101	e108	e88	97	153	467	1370	615	80	59	80
25	84	102	e108	e83	99	139	513	1230	700	89	67	79
26	85	111	e109	e83	100	129	578	1150	761	90	66	78
27	85	104	e109	e87	115	133	660	1130	925	85	67	77
28	84	106	e109	e85	133	143	612	1300	888	99	70	77
29	85	116	e110	e88	148	158	586	1160	716	102	73	75
30	83	112	e105	e87	---	143	639	1180	614	81	76	88
31	83	---	e100	e88	---	157	---	1230	---	75	69	---
TOTAL	2673	2911	3385	2732	2791	4206	13414	44733	35966	5956	1998	2394
MEAN	86.2	97.0	109	88.1	96.2	136	447	1443	1199	192	64.5	79.8
MAX	98	123	128	100	148	186	778	2460	2380	529	76	115
MIN	81	74	100	82	78	104	189	769	556	75	52	60
AC-FT	5300	5770	6710	5420	5540	8340	26610	88730	71340	11810	3960	4750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1996, BY WATER YEAR (WY)

MEAN	86.9	97.2	92.8	88.1	93.5	118	313	1046	971	263	97.3	80.4
MAX	191	170	156	135	228	311	824	1935	2026	856	263	203
(WY)	1983	1973	1956	1971	1962	1986	1962	1993	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1954 - 1996	
ANNUAL TOTAL	147140		123159			
ANNUAL MEAN	403		336		279	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2670	Jun 15	2460	May 15	3560	May 22 1993
LOWEST DAILY MEAN	50	Jan 1	52	Aug 21	12	Aug 21 1960
ANNUAL SEVEN-DAY MINIMUM	61	Jan 1	57	Aug 18	14	Jul 25 1961
ANNUAL RUNOFF (AC-FT)	291900		244300		202400	
10 PERCENT EXCEEDS	1470		1190		819	
50 PERCENT EXCEEDS	112		104		105	
90 PERCENT EXCEEDS	73		73		57	

e Estimated

10155300 PROVO RIVER NEAR MIDWAY, UT

LOCATION.--Lat 40°30'25", long 111°26'56", in $NE^1/_4NW^1/_4NW^1/_4$ sec. 1, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 150 ft downstream of bridge on State Highway 113, 1.8 miles west of Heber City.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--September 1995 to October 1996.

GAGE.--Water-stage recorder. Elevation of gage is 5,490 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow also affected by irrigation diversions above station and by storage in, and releases from Jordanell Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,720 $ft^3/_s$ May 18, 1996, gage height 5.49 ft; minimum daily discharge, 19 $ft^3/_s$ May 2, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,720 $ft^3/_s$ May 18, gage height 5.49 ft; minimum daily discharge, 19 $ft^3/_s$ May 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	30	35	37	45	e50	56	33	581	413	170	114
2	48	29	33	37	e43	e51	59	19	638	321	173	113
3	39	30	33	37	e43	52	58	32	876	293	170	115
4	44	30	34	37	e44	52	55	56	1340	294	164	111
5	42	31	35	37	e44	58	54	66	1240	324	164	112
6	41	31	39	37	45	56	54	104	792	337	156	121
7	42	32	39	38	46	54	53	305	852	338	145	126
8	44	36	39	38	45	53	52	453	850	338	137	124
9	44	34	40	38	45	50	50	384	867	339	117	123
10	43	34	37	39	45	50	36	384	953	345	120	119
11	41	35	37	39	45	54	34	447	1180	333	117	118
12	37	37	40	38	45	63	48	560	1110	329	113	115
13	28	40	45	37	44	70	36	894	848	327	119	123
14	27	70	41	37	43	69	44	1130	630	335	119	131
15	30	e67	41	37	43	71	43	1130	790	332	112	129
16	32	e63	40	40	44	74	55	1190	1010	326	107	138
17	35	59	38	47	44	76	75	1450	1010	332	106	140
18	31	47	39	42	47	76	87	1640	861	338	108	138
19	34	45	38	44	48	75	74	1420	582	316	110	132
20	35	43	38	42	58	78	72	1330	376	307	113	132
21	37	39	38	40	57	80	69	1320	284	311	115	131
22	38	34	37	37	58	81	59	1030	435	273	114	131
23	37	34	39	e37	54	94	50	909	523	216	115	131
24	32	34	39	38	53	77	49	896	477	180	113	129
25	31	35	39	e38	53	67	48	807	438	162	113	129
26	33	36	39	e40	52	62	45	695	522	162	116	130
27	31	36	39	e41	e51	62	40	667	714	164	108	130
28	32	35	35	43	e50	61	26	673	658	162	107	130
29	36	34	36	44	e49	62	22	671	540	163	110	129
30	35	34	37	46	---	59	28	612	483	162	113	130
31	35	---	38	46	---	58	---	567	---	170	115	---
TOTAL	1144	1174	1177	1228	1383	1995	1531	21874	22460	8742	3879	3774
MEAN	36.9	39.1	38.0	39.6	47.7	64.4	51.0	706	749	282	125	126
MAX	50	70	45	47	58	94	87	1640	1340	413	173	140
MIN	27	29	33	37	43	50	22	19	284	162	106	111
AC-FT	2270	2330	2330	2440	2740	3960	3040	43390	44550	17340	7690	7490

WTR YR 1996 TOTAL 70361 MEAN 192 MAX 1640 MIN 19 AC-FT 139600

e Estimated

10155400 SPRING CREEK NEAR HEBER, UTAH

LOCATION.--Lat 40°30'31", long 111°26'19", in $SE^1/_4SW^1/_4SE^1/_4$ sec. 36, T. 3 S., R. 4 E., Wasatch county, Hydrologic Unit 16020203, on left bank 260 ft upstream from state highway 113, 5000 ft upstream from mouth, and .8 mi west of Heber.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5500 ft above sea level, from topographic map.

REMARKS.--Records fair . Small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 198 $ft^3/_s$ Mar. 19, 1994, gage height 2.81 ft, maximum gage height, 3.14 ft, May 23, 1995; minimum daily, 4.1 $ft^3/_s$ July 28, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115 $ft^3/_s$ Mar. 20, gage height 2.41 ft; minimum, 7.6 $ft^3/_s$ Aug. 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	20	18	e13	17	21	19	41	49	36	10
2	22	25	20	18	e13	15	25	20	39	39	33	10
3	20	25	20	18	e13	14	23	26	40	31	36	9.5
4	22	25	22	17	e14	12	20	15	43	33	40	9.1
5	23	25	22	16	e14	12	19	11	45	34	40	10
6	26	25	22	16	e14	12	18	13	44	35	36	11
7	25	25	20	16	e14	14	15	16	46	33	37	11
8	24	25	20	16	e13	16	16	22	47	30	38	12
9	24	26	20	16	e13	16	17	31	41	30	32	10
10	23	27	19	17	e14	19	20	31	44	21	35	9.3
11	23	26	19	16	e14	24	25	31	52	23	36	11
12	22	27	23	16	e14	36	31	40	54	23	32	13
13	23	26	31	15	e15	42	27	48	48	25	27	29
14	23	26	21	15	e14	46	22	47	42	23	22	24
15	23	25	19	14	e14	49	20	47	40	21	22	14
16	23	23	19	18	14	53	15	53	38	27	22	26
17	23	21	19	36	13	59	20	54	37	32	20	32
18	23	21	18	17	15	53	30	52	31	25	15	23
19	23	21	18	16	15	50	37	47	28	25	13	18
20	23	21	18	e15	30	58	32	41	30	30	14	16
21	22	21	17	e14	28	61	29	45	41	30	11	16
22	20	20	17	e15	29	57	26	45	48	39	12	15
23	19	20	17	e14	25	68	24	50	49	37	11	30
24	19	20	17	e15	22	37	23	46	49	31	10	38
25	20	20	17	e14	22	28	22	47	48	33	11	34
26	23	21	17	e13	20	24	24	37	60	37	10	36
27	22	21	17	e14	e19	24	20	41	76	39	9.3	36
28	21	21	16	e14	e18	23	16	45	58	44	8.4	38
29	21	21	16	e15	17	25	16	41	55	42	11	38
30	21	21	16	e15	---	21	16	45	55	32	13	38
31	21	---	19	e14	---	19	---	37	---	35	10	---
TOTAL	691	694	596	503	493	1004	669	1143	1369	988	702.7	626.9
MEAN	22.3	23.1	19.2	16.2	17.0	32.4	22.3	36.9	45.6	31.9	22.7	20.9
MAX	26	27	31	36	30	68	37	54	76	49	40	38
MIN	19	20	16	13	13	12	15	11	28	21	8.4	9.1
AC-FT	1370	1380	1180	998	978	1990	1330	2270	2720	1960	1390	1240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1996, BY WATER YEAR (WY)

MEAN	17.8	18.4	16.5	15.7	19.4	25.5	20.7	46.4	55.3	27.4	16.9	17.8
MAX	22.3	23.1	19.2	17.5	20.7	32.4	23.1	60.5	90.5	41.4	22.7	22.9
(WY)	1996	1996	1996	1995	1995	1996	1995	1995	1995	1995	1996	1995
MIN	13.3	15.6	13.4	13.4	17.0	21.8	16.7	36.9	29.8	8.91	12.4	9.68
(WY)	1995	1995	1994	1994	1996	1994	1994	1996	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1994 - 1996	
ANNUAL TOTAL	11532		9479.6			
ANNUAL MEAN	31.6		25.9		24.8	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					18.6	1994
HIGHEST DAILY MEAN	131	May 23	76	Jun 27	131	May 23 1995
LOWEST DAILY MEAN	10	Jan 3	8.4	Aug 28	4.1	Jul 28 1994
ANNUAL SEVEN-DAY MINIMUM	11	Jan 1	9.9	Aug 31	5.1	Apr 11 1994
ANNUAL RUNOFF (AC-FT)	22870		18800		17990	
10 PERCENT EXCEEDS	70		45		46	
50 PERCENT EXCEEDS	22		22		19	
90 PERCENT EXCEEDS	16		14		11	

e Estimated

10155500 PROVO RIVER NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'03", long 111°27'46", in $NE^1/_4NE^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--Oct. 1938 to Sept. 1950, Oct. 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above sea level, from topographic map. Prior to Oct. 1991 at different sites and datums.

REMARKS.--Records good. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Flow affected, by Jordanelle Reservoir, capacity 329,000 acre-ft, irrigation diversions above station and by 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, 2,280 $ft^3/_s$ May 22, 1993, gage height, 6.29 ft; minimum, 13 $ft^3/_s$ Oct. 24, 1940, Oct. 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,820 $ft^3/_s$ May 18, gage height 5.66 ft; minimum, 50 $ft^3/_s$ Feb. 3, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	93	81	77	72	87	101	84	676	497	237	160
2	100	88	79	75	70	85	113	63	719	402	238	159
3	89	88	78	74	67	83	108	86	964	354	236	162
4	97	88	83	73	69	82	101	105	1420	349	231	158
5	96	88	86	72	73	96	98	115	1300	386	233	159
6	99	88	90	71	71	91	96	157	898	405	216	167
7	101	88	83	71	71	88	93	373	957	401	208	171
8	100	88	82	71	71	87	98	518	956	405	195	169
9	99	95	81	72	71	86	102	445	971	408	178	166
10	98	98	79	73	71	89	96	430	1040	412	180	161
11	96	94	78	71	70	101	98	487	1250	396	179	162
12	91	97	85	69	70	125	134	607	1190	388	178	160
13	84	93	105	67	69	139	127	969	921	388	178	184
14	83	96	85	67	69	140	120	1200	696	396	174	192
15	87	106	82	67	69	149	116	1190	848	395	174	178
16	88	113	82	76	69	157	117	1260	1070	395	172	208
17	90	96	81	110	69	160	155	1560	1060	410	170	222
18	87	93	80	77	73	160	177	1780	910	410	169	210
19	88	91	78	75	77	159	167	1500	641	381	171	198
20	89	89	77	73	122	169	155	1400	443	373	173	198
21	90	86	77	70	119	178	140	1370	366	373	172	197
22	86	83	75	68	123	177	128	1080	518	344	173	195
23	90	82	74	66	111	219	118	962	604	285	169	201
24	88	82	73	68	104	148	114	958	563	244	164	204
25	87	83	73	68	102	119	113	876	519	229	167	203
26	94	85	72	67	99	110	119	766	613	233	178	203
27	90	85	72	65	95	107	114	759	821	234	154	203
28	92	83	72	71	92	106	87	777	755	236	152	203
29	94	85	73	72	91	110	79	768	624	233	155	201
30	93	83	75	74	---	100	80	710	572	228	158	199
31	88	---	80	74	---	99	---	659	---	238	161	---
TOTAL	2858	2707	2471	2244	2399	3806	3464	24014	24885	10828	5693	5553
MEAN	92.2	90.2	79.7	72.4	82.7	123	115	775	829	349	184	185
MAX	104	113	105	110	123	219	177	1780	1420	497	238	222
MIN	83	82	72	65	67	82	79	63	366	228	152	158
AC-FT	5670	5370	4900	4450	4760	7550	6870	47630	49360	21480	11290	11010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50,1992-96, BY WATER YEAR (WY)

MEAN	61.6	103	103	103	110	150	264	650	560	138	55.4	55.2
MAX	125	150	140	127	140	272	710	1243	1255	519	184	185
(WY)	1950	1992	1992	1950	1950	1993	1946	1993	1993	1995	1996	1996
MIN	21.4	60.5	66.0	71.8	81.9	86.7	57.6	314	41.0	23.5	18.5	16.8
(WY)	1941	1940	1995	1994	1994	1994	1995	1940	1992	1992	1992	199

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939-50, 1992-96	
ANNUAL TOTAL	80177		90922			
ANNUAL MEAN	220		248		196	
HIGHEST ANNUAL MEAN					328	1993
LOWEST ANNUAL MEAN					91.3	1940
HIGHEST DAILY MEAN	1740	Jun 15	1780	May 18	2210	May 23 1993
LOWEST DAILY MEAN	25	Apr 29	63	May 2	14	Sep 11 1992
ANNUAL SEVEN-DAY MINIMUM	39	Apr 25	67	Jan 21	15	Sep 6 1992
ANNUAL RUNOFF (AC-FT)	159000		180300		142100	
10 PERCENT EXCEEDS	680		700		506	
50 PERCENT EXCEEDS	92		113		105	
90 PERCENT EXCEEDS	64		72		33	

10156000 SNAKE CREEK NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'07", long 111°27'59", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 700 ft upstream from mouth and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--31.8 mi^2.

PERIOD OF RECORD.--September 1938 to October 1950, May 1993 to current year. Monthly discharge only, September 1938 to September 1945, published in WSP 1413.

GAGE.--Water-stage recorder. Elevation of gage is 5,435 ft above sea level, from topographic map. Prior to 1993 at different datum.

REMARKS.--No estimated daily discharges. Records fair. Some diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft$^3/_s$ June 14, 1995, gage height, 2.46 ft, maximum gage height, 3.63 ft Mar. 23, 1996; minimum, 19 ft$^3/_s$ May 1, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 88 ft$^3/_s$ Mar. 23, gage height, 3.63 ft; minimum daily discharge, 37 ft$^3/_s$ July 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	48	44	44	42	45	50	56	45	43	45	43
2	42	48	44	46	42	45	52	56	45	43	44	41
3	43	50	43	46	42	45	50	50	45	45	42	45
4	44	47	45	46	42	44	48	45	46	49	42	46
5	45	48	46	45	42	47	48	48	48	44	48	51
6	48	48	47	46	43	46	48	49	43	42	47	49
7	48	50	46	46	43	46	48	49	47	42	51	45
8	48	46	45	45	42	45	48	52	51	40	51	43
9	48	52	45	44	42	44	48	54	49	44	51	40
10	47	52	43	44	43	45	48	54	48	39	45	40
11	45	51	43	44	43	46	49	50	45	40	49	41
12	47	52	46	44	42	48	50	49	45	43	49	43
13	48	49	50	46	43	47	51	51	45	44	41	55
14	51	48	46	45	42	47	49	52	45	39	41	52
15	48	46	46	45	42	49	47	60	44	37	42	48
16	51	44	46	47	42	51	46	71	43	40	42	53
17	51	43	45	50	42	53	50	82	41	43	41	60
18	51	42	44	46	43	53	54	80	39	44	43	56
19	52	43	44	46	43	53	51	75	41	42	44	54
20	51	43	45	45	49	56	50	66	40	43	44	50
21	49	44	44	46	48	57	47	62	39	43	41	49
22	47	44	44	45	48	58	46	59	48	46	44	49
23	50	44	44	45	47	67	45	59	54	46	45	48
24	52	45	44	45	45	53	44	53	44	43	45	46
25	52	45	44	46	46	51	47	58	43	41	42	46
26	52	45	44	45	46	51	47	58	45	40	39	49
27	53	45	46	45	45	50	48	57	47	48	42	50
28	54	45	46	45	45	50	48	53	46	48	44	50
29	51	45	45	44	45	51	51	51	44	47	43	46
30	47	44	45	44	---	50	50	50	43	47	42	45
31	46	---	47	43	---	50	---	47	---	43	44	---
TOTAL	1503	1396	1396	1403	1269	1543	1458	1756	1348	1338	1373	1433
MEAN	48.5	46.5	45.0	45.3	43.8	49.8	48.6	56.6	44.9	43.2	44.3	47.8
MAX	54	52	50	50	49	67	54	82	54	49	51	60
MIN	42	42	43	43	42	44	44	45	39	37	39	40
AC-FT	2980	2770	2770	2780	2520	3060	2890	3480	2670	2650	2720	2840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50, 1994-96, BY WATER YEAR (WY)

MEAN	45.4	47.0	43.4	41.4	41.3	45.2	45.7	54.5	58.8	44.5	39.0	39.1
MAX	57.5	62.9	53.9	49.9	54.9	52.1	57.8	87.5	86.8	59.4	49.8	48.5
(WY)	1946	1946	1946	1946	1945	1945	1945	1943	1995	1995	1945	1945
MIN	35.5	33.8	36.2	35.4	33.6	36.2	36.3	38.6	35.5	26.3	28.3	29.5
(WY)	1940	1940	1940	1941	1941	1940	1941	1994	1994	1994	1940	1939

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939-50, 1994-96	
ANNUAL TOTAL	17549		17216			
ANNUAL MEAN	48.1		47.0		45.3	
HIGHEST ANNUAL MEAN					52.5	1945
LOWEST ANNUAL MEAN					36.2	1940
HIGHEST DAILY MEAN	113	Jun 30	82	May 17	113	Jun 30 1995
LOWEST DAILY MEAN	31	Sep 5	37	Jul 15	24	Jul 21 1994
ANNUAL SEVEN-DAY MINIMUM	33	Sep13	40	Jul 10	25	Jul 15 1994
ANNUAL RUNOFF (AC-FT)	34810		34150		32850	
10 PERCENT EXCEEDS	67		52		57	
50 PERCENT EXCEEDS	44		46		44	
90 PERCENT EXCEEDS	37		42		35	

10157000 DANIELS CREEK ABOVE DIVERSIONS NEAR HEBER CITY, UT

LOCATION.--Lat 40°25'54", long 111°21'07", in $NW^1/_4SE^1/_4NW^1/_4$ sec. 35, T. 4 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on right bank 6 mi southeast of Heber City and 7.5 mi upstream from Deer Creek Reservoir.

DRAINAGE AREA.--37.2 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,110 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records may include flow diverted from Strawberry River drainage through Hobble Creek and Strawberry River ditches which are transbasin diversions.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 170 $ft^3/_s$ May 23, 1995, gage height 5.82 ft; maximum gage height, 6.17 ft, May 22, 1993; minimum, 1.1 $ft^3/_s$ Mar. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 151 $ft^3/_s$ May 13, gage height 5.70 ft; minimum, 2.6 $ft^3/_s$ Dec. 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	4.5	4.2	e3.9	e3.8	e4.0	7.1	54	46	21	9.5	7.2
2	7.5	4.4	4.1	e3.9	e3.6	e4.2	8.7	64	46	20	9.4	7.1
3	7.5	4.3	4.1	e4.0	e3.5	e4.3	8.6	72	49	19	9.2	7.0
4	8.4	4.4	4.3	e4.1	e3.6	e4.2	8.5	70	51	19	9.2	6.9
5	8.1	4.4	4.5	e4.2	e4.0	e4.0	8.3	73	54	18	9.1	6.8
6	8.2	4.4	5.1	4.3	e4.0	e3.9	9.0	82	50	17	8.8	6.9
7	8.1	4.4	4.6	4.8	e3.9	e4.0	11	86	44	16	8.7	6.5
8	7.7	4.4	4.3	4.7	e3.8	4.2	14	83	40	16	8.5	6.2
9	7.9	4.9	4.2	4.6	e3.7	4.5	18	86	36	16	8.2	6.1
10	7.8	5.2	4.1	4.5	e3.7	5.1	21	83	33	15	8.2	6.2
11	7.5	4.7	4.1	4.4	e3.7	5.5	21	87	32	14	8.0	6.3
12	7.5	4.8	4.4	4.4	e3.6	5.8	20	100	38	14	7.9	6.4
13	7.4	4.9	5.7	4.4	e3.6	6.0	17	120	34	13	7.5	8.0
14	7.5	4.9	4.8	4.4	e3.8	5.6	15	127	37	13	7.7	8.8
15	7.8	4.7	4.4	4.4	e3.9	5.4	13	124	34	13	8.3	7.4
16	7.6	4.6	4.4	4.3	e3.9	5.7	14	120	33	13	8.5	7.4
17	7.5	4.4	4.3	4.4	e3.8	5.6	16	115	32	15	8.5	8.4
18	7.1	4.4	3.6	4.4	e3.9	5.3	15	102	34	13	8.8	7.8
19	5.6	4.4	3.6	4.4	e3.9	5.5	13	88	33	12	8.5	7.4
20	4.6	4.4	3.9	4.4	e3.9	5.9	12	72	32	12	8.2	7.2
21	4.6	4.4	4.2	4.4	e4.0	6.8	11	71	32	11	8.0	7.1
22	4.7	4.4	4.0	4.4	e4.2	7.7	10	69	30	12	7.8	6.8
23	4.6	4.3	e3.6	e3.6	e4.5	8.2	11	70	29	12	7.7	6.5
24	4.5	4.3	e3.5	e3.9	e4.5	6.8	13	56	28	11	7.8	6.2
25	4.5	4.2	e3.5	e3.8	e4.3	6.1	17	53	26	11	7.9	6.0
26	4.5	4.7	e3.6	e3.7	e4.2	5.5	24	50	26	11	8.0	6.1
27	4.4	4.5	e3.8	e3.6	e4.0	5.8	32	50	28	11	8.0	6.1
28	4.4	4.3	e3.8	e3.7	e3.8	5.9	34	61	25	12	7.8	6.2
29	4.4	4.4	e3.9	e3.8	e3.8	6.3	32	56	23	12	7.6	6.1
30	4.4	4.3	e3.9	e3.9	---	5.8	38	53	22	10	7.5	6.0
31	4.4	---	e3.8	e4.0	---	6.0	---	51	---	9.9	7.4	---
TOTAL	198.5	135.3	128.3	129.7	112.9	169.6	492.2	2448	1057	431.9	256.2	205.1
MEAN	6.40	4.51	4.14	4.18	3.89	5.47	16.4	79.0	35.2	13.9	8.26	6.84
MAX	8.4	5.2	5.7	4.8	4.5	8.2	38	127	54	21	9.5	8.8
MIN	4.4	4.2	3.5	3.6	3.5	3.9	7.1	50	22	9.9	7.4	6.0
AC-FT	394	268	254	257	224	336	976	4860	2100	857	508	407

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	4.43	3.21	3.24	3.20	3.42	5.43	14.2	66.9	39.1	13.8	8.21	6.22
MAX	6.40	4.51	4.14	4.18	3.89	6.33	16.9	82.0	76.9	22.4	13.0	8.46
(WY)	1996	1996	1996	1996	1996	1995	1993	1993	1995	1995	1995	1995
MIN	2.66	2.61	2.78	2.13	3.06	4.00	11.6	37.3	13.6	5.34	3.74	3.14
(WY)	1993	1993	1995	1995	1995	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1993 - 1996	
ANNUAL TOTAL	6977.2		5764.7			
ANNUAL MEAN	19.1		15.8		14.4	
HIGHEST ANNUAL MEAN					18.6	1995
LOWEST ANNUAL MEAN					8.07	1994
HIGHEST DAILY MEAN	153	May 23	127	May 14	153	May 23 1995
LOWEST DAILY MEAN	1.4	Jan 1	3.5	Dec 24	1.4	Jan 1 1995
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 1	3.7	Dec 23	1.6	Dec 31 1994
ANNUAL RUNOFF (AC-FT)	13840		11430		10400	
10 PERCENT EXCEEDS	62		46		38	
50 PERCENT EXCEEDS	7.9		7.1		5.4	
90 PERCENT EXCEEDS	2.8		3.9		2.8	

e Estimated

10157500 DANIELS CREEK AT CHARLESTON, UT

LOCATION.--Lat 40°27'39", long 111°28'19", in $SE^1/_4NE^1/_4NE^1/_4$ sec. 22, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 3 ft above capacity elevation of Deer Creek Reservoir, 200 ft downstream from culvert on State Highway 113 in old town of Charleston and 3.5 mi south of Midway.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,420 ft above sea level, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are fair. Small transbasin diversions from Strawberry River Basin drain into Daniels Creek. Flow also affected by irrigation diversions above station and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 274 ft^3/s May 23, 1995; no flow several days in July and August, 1994, September 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 131 ft^3/s May 16, gage height, 3.27 ft; minimum daily discharge, 0.06 ft^3/s Sept. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	4.3	5.3	2.6	2.9	2.0	4.9	39	49	14	7.0	4.7
2	9.1	5.8	5.3	2.7	e2.9	1.7	3.9	50	39	8.8	15	1.9
3	7.0	6.3	5.0	2.8	e2.9	1.6	3.8	73	34	7.8	21	1.3
4	7.3	6.1	4.1	2.5	2.9	1.3	3.6	54	30	9.7	20	.86
5	7.7	6.5	4.2	2.5	e2.8	2.0	3.5	52	34	11	19	.34
6	5.5	6.6	4.3	2.6	e2.7	3.3	3.9	74	38	8.5	9.4	1.3
7	4.6	5.6	4.1	2.6	e2.7	2.9	6.6	79	25	4.6	8.9	1.8
8	4.0	2.0	4.2	2.6	e2.7	2.7	6.6	74	19	3.8	11	5.7
9	3.5	6.4	4.2	2.6	e2.8	2.0	10	75	16	3.9	12	11
10	3.1	5.4	4.2	2.5	e2.9	2.2	16	64	12	6.4	8.9	7.9
11	2.7	5.0	4.3	2.8	e3.0	2.3	16	72	13	2.3	5.6	12
12	2.7	5.2	5.8	3.0	3.2	2.6	16	84	23	2.9	4.7	13
13	2.4	3.5	7.6	3.2	e2.9	3.5	16	96	27	2.4	6.8	15
14	1.9	3.5	6.3	3.4	e2.7	4.6	15	102	30	4.2	2.9	13
15	1.2	3.5	6.3	3.6	e2.8	6.4	9.2	106	28	5.3	2.6	6.3
16	1.4	3.4	5.2	4.6	3.3	6.8	10	115	26	4.1	1.9	9.9
17	2.3	3.9	3.9	6.8	3.2	7.0	20	89	26	4.5	.93	11
18	4.0	3.9	3.7	4.1	3.4	4.6	24	80	24	3.9	.67	9.9
19	4.0	4.1	3.3	4.5	3.3	4.2	23	72	27	4.1	2.2	7.2
20	4.9	4.0	3.4	4.4	5.2	5.0	20	49	23	7.3	1.8	7.2
21	5.2	4.2	3.5	4.1	4.5	5.7	28	43	28	6.4	2.5	6.7
22	3.6	4.1	3.3	3.9	4.4	5.0	19	43	32	6.2	1.2	5.2
23	3.3	3.8	3.0	3.7	4.1	5.9	10	50	30	6.1	1.8	4.8
24	3.5	3.9	3.0	3.7	4.0	4.6	16	45	33	12	1.6	.66
25	4.1	4.2	3.0	e3.4	e3.9	4.5	16	63	24	8.6	1.1	3.8
26	4.4	4.5	2.9	3.3	e3.8	4.8	25	61	21	6.6	1.5	4.6
27	3.3	4.2	2.7	e3.0	e3.7	4.6	36	59	25	5.2	1.7	.22
28	3.6	4.4	2.5	e2.9	2.8	4.4	42	75	20	6.9	2.7	.08
29	3.9	5.0	2.7	e2.9	2.4	4.8	42	55	16	6.3	1.1	.06
30	4.3	5.1	2.8	2.9	---	4.9	37	52	15	6.5	.48	2.4
31	4.2	---	3.1	2.9	---	5.1	---	48	---	6.7	2.0	---
TOTAL	134.7	138.4	127.2	103.1	94.8	123.0	503.0	2093	787	197.0	179.98	169.82
MEAN	4.35	4.61	4.10	3.33	3.27	3.97	16.8	67.5	26.2	6.35	5.81	5.66
MAX	12	6.6	7.6	6.8	5.2	7.0	42	115	49	14	21	15
MIN	1.2	2.0	2.5	2.5	2.4	1.3	3.5	39	12	2.3	.48	.06
AC-FT	267	275	252	204	188	244	998	4150	1560	391	357	337

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	5.56	3.42	3.36	3.63	3.89	3.36	14.7	65.1	44.9	8.57	9.28	6.10
MAX	9.38	4.61	4.10	5.00	5.07	3.97	16.8	84.8	110	16.0	19.5	8.89
(WY)	1994	1996	1996	1994	1994	1996	1996	1993	1995	1995	1993	1993
MIN	2.95	2.09	2.25	2.56	3.27	2.56	13.3	26.2	6.38	.24	1.65	3.14
(WY)	1995	1995	1995	1995	1996	1995	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	7921.07		4651.00			
ANNUAL MEAN	21.7		12.7		13.6	
HIGHEST ANNUAL MEAN					21.2	1995
LOWEST ANNUAL MEAN					6.79	1994
HIGHEST DAILY MEAN	244	Jun 6	115	May 16	244	Jun 6 1995
LOWEST DAILY MEAN	.30	Sep 25	.06	Sep 29	.00	Jul 23 1994
ANNUAL SEVEN-DAY MINIMUM	1.9	Jan 1	1.5	Aug 24	.01	Jul 19 1994
ANNUAL RUNOFF (AC-FT)	15710		9230		9830	
10 PERCENT EXCEEDS	68		37		42	
50 PERCENT EXCEEDS	5.2		4.6		5.0	
90 PERCENT EXCEEDS	2.3		2.3		1.8	

e Estimated

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT

LOCATION.--Lat 40°24'12", long 111°31'44", in $NE^1/_4NE^1/_4NE^1/_4$ 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 mi^2.

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 sea level, from topographic map.

REMARKS.--Records good. 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 transbasin diversion. Information is available for these stations from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,260 $ft^3/_s$ 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, 1,130 $ft^3/_s$ May 22, gage height 5.73 ft; minimum daily discharge, 78 $ft^3/_s$ Nov. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	417	81	81	83	114	200	197	654	542	633	508	495
2	340	83	82	91	171	183	201	684	547	632	522	494
3	272	83	82	91	187	183	199	683	558	636	523	506
4	252	83	83	88	187	183	200	676	588	642	511	508
5	236	84	82	88	185	183	201	676	615	628	504	517
6	235	84	83	90	185	183	201	668	649	612	524	497
7	243	85	82	91	183	183	205	665	657	609	546	499
8	252	84	81	91	183	183	222	665	660	619	558	497
9	249	84	81	91	183	183	237	666	649	635	532	500
10	236	84	83	90	183	184	238	663	648	611	534	486
11	238	81	81	90	180	185	233	653	655	585	543	455
12	250	81	80	88	183	190	231	644	653	590	530	442
13	252	81	82	88	182	191	228	666	653	579	518	434
14	208	83	83	88	183	188	225	687	618	574	507	429
15	203	83	83	89	183	164	224	722	595	563	503	428
16	202	81	83	91	183	190	223	728	597	563	517	422
17	202	82	82	96	181	189	221	819	597	501	522	347
18	203	82	85	90	181	188	223	885	598	477	520	308
19	202	81	85	90	181	188	221	861	600	489	480	286
20	203	81	85	89	201	189	220	810	600	490	479	287
21	203	80	85	89	204	189	221	866	594	479	488	297
22	203	80	84	89	191	192	220	1090	603	479	482	308
23	203	80	83	88	186	195	221	1110	606	487	473	268
24	204	79	83	89	184	193	227	1050	628	488	459	244
25	203	78	83	87	183	193	346	765	673	516	444	261
26	202	81	84	87	183	192	605	761	698	516	447	257
27	203	81	83	88	182	192	701	691	675	515	451	254
28	204	82	82	89	183	194	691	575	663	509	456	254
29	203	82	83	88	202	194	686	535	645	472	458	258
30	117	81	85	87	---	193	681	526	636	485	458	264
31	81	---	84	87	---	194	---	520	---	502	472	---
TOTAL	6921	2455	2568	2761	5297	5831	8949	22664	18700	17116	15469	11502
MEAN	223	81.8	82.8	89.1	183	188	298	731	623	552	499	383
MAX	417	85	85	96	204	200	701	1110	698	642	558	517
MIN	81	78	80	83	114	164	197	520	542	472	444	244
AC-FT	13730	4870	5090	5480	10510	11570	17750	44950	37090	33950	30680	22810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1996, BY WATER YEAR (WY)

MEAN	205	181	220	198	206	239	319	599	830	505	419	341
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	67.0	57.3	53.1	42.8	75.5	199	304	178	120	75.6
(WY)	1962	1963	1993	1989	1981	1961	1961	1977	1977	1961	1961	1961

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1954 - 1996	
ANNUAL TOTAL	102899		120233			
ANNUAL MEAN	282		329		356	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	1340	Jun 22	1110	May 23	2240	Jun 2 1983
LOWEST DAILY MEAN	78	Nov 25	78	Nov 25	.00	Feb 2 1957
ANNUAL SEVEN-DAY MINIMUM	80	Nov 19	80	Nov 19	.40	Dec 1 1962
ANNUAL RUNOFF (AC-FT)	204100		238500		257600	
10 PERCENT EXCEEDS	648		653		604	
50 PERCENT EXCEEDS	111		221		300	
90 PERCENT EXCEEDS	81		83		88	

10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ 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 mi^2.

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 sea level, from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mi upstream at different datums. May 1933 to September 1934, non-recording 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 fair. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir, Jordanelle Resevoir, 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 transbasin 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 ft$^3/_s$ May 6, 1952, gage height, 6.37 ft, datum then in use; no flow for several periods.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 809 ft$^3/_s$ May 24, gage height, 5.67 ft; minimum daily discharge, 15 ft$^3/_s$ July 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	172	129	123	119	234	237	389	314	50	23	27
2	186	171	126	114	152	233	262	380	277	35	25	29
3	160	158	125	110	167	232	255	388	259	26	29	26
4	126	151	145	106	174	233	250	363	247	30	28	26
5	146	191	133	95	185	232	242	347	236	27	29	29
6	163	175	124	94	195	229	233	325	214	22	26	34
7	166	172	133	101	198	224	234	315	216	18	35	40
8	168	159	129	112	201	218	250	291	212	18	50	36
9	171	170	128	125	202	222	262	303	203	23	41	39
10	168	159	138	121	197	226	222	282	149	25	33	44
11	166	146	135	122	200	230	216	266	103	26	33	50
12	168	147	132	122	202	250	214	245	99	28	34	51
13	172	143	140	119	200	271	224	228	84	24	31	64
14	172	137	130	116	199	275	224	199	74	21	29	86
15	189	141	124	116	204	254	225	243	69	21	28	77
16	198	130	129	118	207	273	224	303	66	27	27	107
17	198	135	132	146	208	265	250	381	67	43	29	115
18	203	144	132	114	216	263	258	487	51	46	30	111
19	203	144	132	113	220	263	258	471	45	32	28	99
20	204	139	131	110	299	264	260	388	46	21	24	102
21	204	134	129	109	335	249	252	420	60	19	23	104
22	210	135	124	110	288	250	252	638	53	17	25	106
23	226	144	114	109	256	306	238	766	43	19	26	80
24	220	144	113	108	239	273	232	776	43	15	26	42
25	225	136	111	109	233	267	260	537	47	16	29	38
26	231	134	114	103	235	266	419	492	53	17	30	36
27	240	138	117	89	236	248	530	470	54	18	22	35
28	273	139	116	91	231	228	546	394	58	20	25	38
29	273	136	114	88	230	240	525	352	54	20	25	37
30	279	130	140	90	---	235	468	344	52	19	25	34
31	218	---	150	101	---	236	---	338	---	19	25	---
TOTAL	6107	4454	3969	3404	6228	7689	8522	12121	3548	762	893	1742
MEAN	197	148	128	110	215	248	284	391	118	24.6	28.8	58.1
MAX	279	191	150	146	335	306	546	776	314	50	50	115
MIN	126	130	111	88	119	218	214	199	43	15	22	26
AC-FT	12110	8830	7870	6750	12350	15250	16900	24040	7040	1510	1770	3460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	141	210	255	238	246	270	307	315	361	49.2	21.3	47.7
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	39.4	24.7	35.5	40.9	24.3	2.22	2.33	.68	1.12	1.56
(WY)	1961	1963	1993	1989	1961	1961	1961	1977	1946	1960	1960	

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	63493		59439			
ANNUAL MEAN	174		162		204	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	1110	May 27	776	May 24	2420	May 6 1952
LOWEST DAILY MEAN	12	Sep 2	15	Jul 24	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	16	Aug 28	17	Jul 21	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	125900		117900		148100	
10 PERCENT EXCEEDS	377		280		413	
50 PERCENT EXCEEDS	133		139		141	
90 PERCENT EXCEEDS	43		26		6.0	

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 power-plant 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. WRD-UT-96-1: 1995.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above sea level, 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 except for estimated daily discharges, Feb. 3, 20, and 28, which are poor. 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.-69 years, 56.2 $ft^3/_s$, 40,720 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 daily discharge, 309 $ft^3/_s$ May 16 ; minimum daily discharge, 16 $ft^3/_s$ Dec. 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	29	22	19	19	18	26	78	182	146	54	34
2	29	28	22	19	19	18	34	105	189	147	56	31
3	30	28	22	19	34	18	33	117	200	142	56	28
4	34	28	24	20	20	18	32	121	217	138	54	27
5	33	27	22	20	19	19	31	127	238	138	51	28
6	33	27	23	20	18	19	33	144	250	138	47	30
7	33	27	21	20	18	18	38	156	248	138	45	29
8	32	27	21	20	18	18	48	160	236	145	43	27
9	32	28	21	20	18	18	62	169	253	136	37	26
10	32	29	21	20	18	18	75	176	274	126	35	25
11	31	26	22	20	18	19	73	189	268	118	34	25
12	31	27	22	20	18	21	67	211	267	113	34	26
13	31	27	23	20	18	21	60	226	265	122	33	29
14	30	26	22	20	18	21	53	240	260	149	33	29
15	30	26	20	20	18	21	50	262	246	151	33	27
16	30	25	20	20	18	21	48	309	239	157	37	28
17	30	25	20	21	19	21	49	292	238	164	33	29
18	29	24	19	20	19	21	46	261	230	156	35	29
19	30	24	19	20	19	21	45	239	225	145	35	28
20	30	23	19	20	25	22	42	214	217	139	35	27
21	32	23	18	20	24	26	39	199	201	103	35	27
22	34	23	18	20	22	31	38	195	194	94	37	26
23	35	23	16	20	21	34	37	188	179	94	37	26
24	34	23	17	19	21	30	41	188	174	95	35	25
25	33	22	18	19	20	28	49	177	171	87	35	24
26	32	23	19	19	20	27	57	161	165	84	34	24
27	32	23	19	19	20	26	68	154	155	80	34	24
28	32	22	20	19	23	25	63	154	148	78	34	24
29	31	22	20	19	18	26	57	151	144	77	34	23
30	29	22	20	19	---	25	62	148	150	75	34	23
31	29	---	20	19	---	24	---	160	---	76	35	---
TOTAL	973	757	630	610	580	693	1456	5671	6423	3751	1204	808
MEAN	31.4	25.2	20.3	19.7	20.0	22.4	48.5	183	214	121	38.8	26.9
MAX	35	29	24	21	34	34	75	309	274	164	56	34
MIN	29	22	16	19	18	18	26	78	144	75	33	23
AC-FT	1930	1500	1250	1210	1150	1370	2890	11250	12740	7440	2390	1600

CAL YR 1995	TOTAL 33988	MEAN 93.1	MAX 523	MIN 12	AC-FT 67420
WTR YR 1996	TOTAL 23556	MEAN 64.4	MAX 309	MIN 16	AC-FT 46720

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION (REVISED).--Lat 40°24'19", long 112°05'59", in NW$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 7, T. 5 S., R. 2 W., Utah County, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi^2.

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above sea level, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair, except for estimated days, which are poor.. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft$^3/_s$ Aug. 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.02 ft$^3/_s$ Jan. 17, 22, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 21 ft$^3/_s$ May 13, 14; minimum daily discharge 1.0 ft$^3/_s$ Feb. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.7	2.3	e1.3	e1.2	e1.5	e8.2	e10	11	5.6	2.4	1.6
2	3.9	5.6	2.3	e1.2	e1.0	e1.6	8.1	e11	e12	5.4	2.4	1.6
3	3.5	5.5	2.4	e1.5	e1.2	e1.6	7.3	e12	e13	5.2	2.3	1.6
4	4.5	5.5	2.9	e1.6	e1.4	e1.6	6.7	e13	e15	5.1	2.3	1.6
5	3.9	4.3	2.8	e1.4	e1.3	e1.9	7.0	e14	e16	4.9	2.2	1.6
6	3.8	4.1	2.6	e1.2	e1.5	e2.2	7.2	e14	e18	4.6	2.2	1.6
7	3.7	4.1	2.5	e1.3	e1.6	e2.2	8.2	e15	e18	4.4	2.2	1.6
8	3.4	4.1	2.3	e1.3	e1.5	e2.2	e9.4	e15	e17	4.3	2.1	1.5
9	3.4	5.3	2.3	e1.3	e1.4	e2.3	e9.6	e15	e16	4.2	2.0	1.5
10	3.3	4.6	2.3	e1.3	e1.7	e2.3	e9.7	e16	e16	3.9	1.9	1.4
11	3.1	3.7	2.3	e1.3	e1.6	e2.3	e10	e17	16	3.7	1.9	1.5
12	3.3	3.4	2.6	e1.2	e1.5	e2.4	e11	e18	15	3.5	1.9	2.0
13	3.2	3.4	3.6	e1.2	e1.3	e2.6	e12	e21	14	3.4	1.8	1.9
14	2.8	3.4	3.4	e1.3	e1.2	e3.5	e13	e21	12	3.3	1.8	1.8
15	2.8	3.4	e3.0	e1.4	e1.2	e4.0	e14	e19	11	3.4	1.8	1.8
16	2.8	3.1	e2.6	e1.4	e1.2	e3.7	e13	e19	10	3.9	1.8	1.8
17	2.8	2.6	e2.2	e1.3	e1.3	e3.5	e12	e20	9.5	3.6	1.8	1.4
18	2.8	2.3	e1.8	e1.1	e1.5	e3.5	e10	e19	8.9	2.9	1.8	1.4
19	2.8	2.3	e1.5	e1.3	e1.7	e3.5	e9.4	e18	e8.0	2.7	1.9	1.4
20	2.8	2.4	e1.6	e1.4	e1.8	e3.6	8.9	e17	e8.2	2.6	2.0	1.4
21	4.0	2.3	e1.5	e1.2	e1.9	e3.6	8.3	15	e7.8	2.5	2.1	1.4
22	6.7	2.3	e1.4	e1.2	e1.9	e3.7	7.6	14	e7.6	2.4	2.5	1.3
23	7.0	2.3	e1.3	e1.4	e1.7	e3.8	7.3	13	e7.3	2.2	2.4	1.3
24	6.0	2.3	e1.2	e1.5	e1.4	e3.9	7.0	12	e6.8	2.1	2.3	1.2
25	5.9	2.3	e1.2	e1.5	e1.6	e4.1	6.9	10	e7.0	2.1	2.5	1.1
26	5.9	2.4	e1.2	e1.2	e1.5	e4.5	7.3	9.6	e6.6	2.4	2.4	1.2
27	5.9	2.3	e1.3	e1.1	e1.4	e5.0	8.0	8.6	e6.2	2.5	2.3	1.2
28	5.9	2.3	e1.3	e1.2	e1.5	e6.0	e8.4	11	6.6	2.6	1.9	1.2
29	5.9	2.3	e1.2	e1.3	e1.5	e7.5	e8.8	12	6.2	2.5	1.6	1.2
30	5.1	2.3	e1.3	e1.3	---	e8.3	e9.4	12	5.9	2.4	1.6	1.1
31	4.9	---	e1.4	e1.4	---	e8.8	---	11	---	2.4	1.6	---
TOTAL	129.0	101.9	63.6	40.6	42.5	111.2	273.7	452.2	332.6	106.7	63.7	44.2
MEAN	4.16	3.40	2.05	1.31	1.47	3.59	9.12	14.6	11.1	3.44	2.05	1.47
MAX	7.0	5.7	3.6	1.6	1.9	8.8	14	21	18	5.6	2.5	2.0
MIN	2.8	2.3	1.2	1.1	1.0	1.5	6.7	8.6	5.9	2.1	1.6	1.1
AC-FT	256	202	126	81	84	221	543	897	660	212	126	88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-96, BY WATER YEAR (WY)

MEAN	1.32	1.09	.72	.57	.54	1.11	4.56	13.9	12.0	4.99	2.51	1.52
MAX	4.16	3.40	2.05	1.40	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	1996	1996	1996	1987	1987	1996	1969	1973	1995	1975	1975	1975
MIN	.17	.17	.10	.062	.057	.11	.11	3.05	1.63	.66	.26	.21
(WY)	1993	1991	1993	1991	1991	1990	1991	1990	1992	1992	1992	1989

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1966-75,1987-96	
ANNUAL TOTAL	2597.86		1761.9			
ANNUAL MEAN	7.12		4.81		3.74	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					.89	1992
HIGHEST DAILY MEAN	41	Jun 4	21	May 13	85	May 20 1973
LOWEST DAILY MEAN	.20	Jan 8	1.0	Feb 2	.03	Oct 2 1992
ANNUAL SEVEN-DAY MINIMUM	.22	Feb 12	1.2	Sep 24	.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	5150		3490		2710	
10 PERCENT EXCEEDS	23		12		11	
50 PERCENT EXCEEDS	3.2		2.6		1.2	
90 PERCENT EXCEEDS	.24		1.3		.20	

e Estimated

10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°37'26", long 111°45'05", in $NW^1/_4SE^1/_4SW^1/_4$ 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 mi^2.

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 sea level, from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 24.9 $ft^3/_s$, 18,040 acre-ft/yr.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 $ft^3/_s$ July 1, 1954; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	.30	.30	.30	2.1	22	38	27	42	44	41	35
2	28	.30	.30	.30	2.1	22	36	27	43	41	40	35
3	27	.30	.30	.30	2.1	23	38	27	40	35	40	34
4	21	.30	.30	.30	2.1	23	36	27	39	29	40	35
5	33	.30	.30	.40	2.1	19	36	27	42	34	40	38
6	32	.30	.30	.50	1.9	21	36	27	42	34	40	38
7	32	.30	.30	.50	3.0	23	38	27	43	34	40	35
8	32	.30	.30	.60	7.0	22	35	27	43	39	42	35
9	30	.30	.30	.60	14	21	30	27	43	41	44	34
10	21	1.4	.30	.70	14	23	28	27	43	43	45	33
11	8.0	.30	.30	.80	14	25	28	27	43	44	44	30
12	20	12	.30	.90	17	25	28	27	43	42	44	28
13	22	28	.30	1.0	25	25	28	27	44	40	43	26
14	.30	28	.30	1.1	26	22	28	27	21	43	43	29
15	.30	27	.30	1.2	26	23	28	27	44	43	43	28
16	.30	27	.30	14	28	25	28	27	44	32	43	30
17	3.5	13	.30	28	26	24	28	27	42	40	43	32
18	23	.30	.30	22	25	24	28	27	41	45	43	30
19	.00	.30	.30	1.8	24	24	28	27	31	45	42	29
20	.30	.30	.30	1.6	24	29	28	27	41	46	42	29
21	.30	.30	.30	1.6	24	38	28	27	43	46	42	29
22	.30	.30	.30	1.6	19	40	27	27	43	39	41	29
23	.30	.30	.30	1.6	24	40	27	27	43	38	40	27
24	.30	.30	.30	6.9	23	40	27	27	43	45	39	28
25	.30	.30	.30	13	23	40	27	27	43	45	35	26
26	.30	.30	.30	14	23	40	28	27	40	45	39	26
27	.30	.30	.30	2.0	23	40	28	27	43	41	39	26
28	.30	.30	.30	2.0	16	40	28	27	43	45	39	26
29	.30	.30	.30	2.0	20	40	27	27	43	45	38	26
30	.30	.30	.30	2.0	---	39	27	27	43	45	38	25
31	.30	---	.30	2.1	---	39	---	26	---	45	36	---
TOTAL	367.00	143.30	9.30	125.70	480.4	901	905	836	1241	1273	1268	911
MEAN	11.8	4.78	.30	4.05	16.6	29.1	30.2	27.0	41.4	41.1	40.9	30.4
MAX	33	28	.30	28	28	40	38	27	44	46	45	38
MIN	.00	.30	.30	.30	1.9	19	27	26	21	29	35	25
AC-FT	728	284	18	249	953	1790	1800	1660	2460	2520	2520	1810

CAL YR 1995	TOTAL 10580.02	MEAN 29.0	MAX 52	MIN .00	AC-FT 20990
WTR YR 1996	TOTAL 8460.70	MEAN 23.1	MAX 46	MIN .00	AC-FT 16780

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 sea level. 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 except for estimated days which are poor . 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.--53 years, 375 $ft^3/_s$, 271,400 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, 3,220 $ft^3/_s$ May 17, gage height, 15.99 ft; minimum daily discharge, 149 $ft^3/_s$ Nov. 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392	198	183	378	757	861	1010	746	1100	518	e220	e228
2	401	192	189	598	781	881	1100	751	1070	493	e230	e230
3	446	184	186	666	759	889	1040	729	1090	519	e238	e238
4	531	189	237	651	797	893	1030	708	1170	489	e240	e248
5	384	193	215	606	811	996	996	677	1440	487	e242	e248
6	316	186	279	604	810	970	1050	654	1540	434	e238	e252
7	283	171	199	611	831	908	1050	687	1460	397	e224	e248
8	264	170	194	622	867	919	1070	735	1490	393	e208	e246
9	275	228	191	617	886	925	1110	798	1670	380	e214	e248
10	271	256	189	605	895	928	1130	794	1580	380	e216	e244
11	275	202	188	602	914	937	1110	773	1560	334	e230	e244
12	261	197	186	607	916	1130	1200	763	1660	282	e208	226
13	245	195	206	606	908	1050	1230	917	1520	269	e212	232
14	256	187	197	607	912	1100	1090	1030	1340	253	e212	270
15	266	176	196	605	915	1070	1050	1170	1170	226	e224	e290
16	233	170	199	559	928	1010	1020	e1690	1050	274	e224	e330
17	199	167	200	704	939	1010	1180	2390	1040	577	e220	e390
18	195	168	188	571	958	1030	1110	1730	904	388	e230	e380
19	187	166	184	535	966	1050	1070	1330	753	293	e250	e370
20	194	158	183	536	906	1050	1250	1220	783	258	e256	364
21	181	150	184	526	842	1050	1110	1090	868	245	e254	336
22	208	149	182	526	926	1090	1030	999	833	229	e250	318
23	203	155	185	502	942	1510	984	1050	747	207	e256	302
24	205	151	183	506	967	1280	972	959	721	200	e250	272
25	209	159	167	521	947	1190	918	984	684	e190	e252	269
26	207	163	173	530	933	1090	954	1150	685	e196	e258	263
27	211	182	176	665	969	1050	941	1130	726	e200	e260	261
28	206	172	222	701	953	1100	852	1250	684	e208	e238	262
29	203	173	282	691	889	1340	875	1270	614	e228	e230	247
30	194	185	368	769	---	1010	817	1210	555	e226	e234	244
31	189	---	413	769	---	996	---	1190	---	e222	e230	---
TOTAL	8090	5392	6524	18596	25824	32313	31349	32574	32507	9995	7248	8300
MEAN	261	180	210	600	890	1042	1045	1051	1084	322	234	277
MAX	531	256	413	769	969	1510	1250	2390	1670	577	260	390
MIN	181	149	167	378	757	861	817	654	555	190	208	226
AC-FT	16050	10700	12940	36890	51220	64090	62180	64610	64480	19830	14380	16460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	278	271	289	308	369	405	471	582	631	345	269	282
MAX	1473	1616	1740	1806	1804	1882	2749	3041	3299	2158	1651	1364
(WY)	1984	1984	1984	1984	1984	1984	1986	1986	1984	1983	1983	1986
MIN	66.1	68.8	49.7	30.8	.000	55.9	44.8	74.7	44.4	69.6	50.6	77.7
(WY)	1962	1944	1944	1956	1963	1945	1961	1961	1961	1961	1961	1961

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	177516		218712			
ANNUAL MEAN	486		598		375	
HIGHEST ANNUAL MEAN					1968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	2300	Jun 6	2390	May 17	4250	Jun 1 1984
LOWEST DAILY MEAN	121	Jan 4	149	Nov 22	.00	Jan 21 1963
ANNUAL SEVEN-DAY MINIMUM	125	Jan 4	155	Nov 20	.00	Jan 21 1963
ANNUAL RUNOFF (AC-FT)	352100		433800		271400	
10 PERCENT EXCEEDS	1450		1110		895	
50 PERCENT EXCEEDS	280		512		195	
90 PERCENT EXCEEDS	171		188		80	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT

LOCATION.--Lat 40°44'01", long 111°55'21", in $SW^1/_4SE^1/_4NW^1/_4$ 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 mi^2 includes 255 mi2 closed basin in Cedar Valley.

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 sea level. Prior to July 1, 1976 at site 3,200 ft upstream at same datum.

REMARKS.--Records fair except for estimated days, which are poor. 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 $ft^3/_s$ 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 $ft^3/_s$ June 1, 1984; minimum daily, 89 $ft^3/_s$ June 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 222 $ft^3/_s$ Mar. 11, gage height, 3.05 ft; maximum gage height, 3.33 ft, July. 17; minimum daily discharge, 63 $ft^3/_s$ Dec. 15.

Maximum daily combined discharge during year (Jordan River and Surplus Canal), 2,500 $ft^3/_s$ May 17; minimum daily discharge, 232 $ft^3/_s$ Dec. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	114	87	81	158	166	142	121	133	164	109	108
2	128	109	86	113	159	168	139	122	133	162	108	109
3	129	109	84	143	158	168	137	122	132	163	110	111
4	e115	109	e81	141	160	169	134	121	133	158	107	109
5	136	110	e81	138	161	e170	133	120	137	155	109	112
6	128	106	e86	137	162	e173	132	120	140	150	103	111
7	125	105	91	137	165	172	131	121	139	146	100	110
8	122	106	89	136	e164	171	133	122	140	156	109	109
9	122	121	86	136	169	170	134	124	144	163	116	109
10	119	124	85	135	169	172	140	123	146	159	115	110
11	119	110	85	134	170	175	143	121	149	156	117	113
12	118	109	80	135	170	e152	e142	121	153	151	131	112
13	116	109	69	136	170	137	e136	124	151	152	116	115
14	117	108	66	136	171	136	130	126	149	152	101	116
15	119	107	63	138	171	134	128	127	144	147	105	115
16	116	106	66	116	172	134	127	124	150	e141	108	e123
17	111	106	67	e97	172	133	e130	e106	174	e146	104	e136
18	111	108	69	94	e169	135	e120	96	175	123	106	124
19	109	108	72	93	e171	137	88	88	175	106	108	116
20	112	108	70	95	e169	137	e90	85	174	97	108	115
21	110	106	68	93	169	134	90	83	179	91	105	114
22	114	101	69	93	e166	135	116	98	174	102	104	111
23	115	98	69	92	169	e122	130	110	171	122	106	104
24	115	96	67	93	169	99	129	107	173	119	104	95
25	114	97	65	96	169	96	127	105	174	131	102	94
26	113	93	65	98	170	92	127	107	173	130	105	97
27	111	92	65	102	171	111	126	108	175	127	105	99
28	110	89	69	108	171	e118	124	112	174	124	107	104
29	110	88	75	127	168	e107	124	108	169	124	106	102
30	109	89	e77	158	---	148	122	123	166	116	108	103
31	110	---	e86	159	---	144	---	134	---	112	108	---
TOTAL	3635	3141	2338	3690	4852	4415	3804	3529	4699	4245	3350	3306
MEAN	117	105	75.4	119	167	142	127	114	157	137	108	110
MAX	136	124	91	159	172	175	143	134	179	164	131	136
MIN	109	88	63	81	158	92	88	83	132	91	100	94
AC-FT	7210	6230	4640	7320	9620	8760	7550	7000	9320	8420	6640	6560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1996, BY WATER YEAR (WY)

MEAN	157	145	145	148	150	134	117	112	145	159	153	158
MAX	253	223	230	292	274	208	168	210	258	253	242	245
(WY)	1985	1986	1986	1985	1985	1954	1954	1989	1991	1984	1983	1985
MIN	78.7	64.9	75.2	54.2	66.6	58.3	31.3	25.5	56.0	68.3	68.3	63.5
(WY)	1964	1964	1993	1993	1993	1962	1986	1964	1995	1961	1963	1963

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1953 - 1996	
ANNUAL TOTAL	38242.1		45004			
ANNUAL MEAN	105		123		144	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	159	Mar 4	179	Jun 21	327	Aug 18 1983
LOWEST DAILY MEAN	2.3	Jun 19	63	Dec 15	.00	May 14 1964
ANNUAL SEVEN-DAY MINIMUM	4.7	Jun 16	67	Dec 21	.00	May 14 1964
ANNUAL RUNOFF (AC-FT)	75850		89270		104100	
10 PERCENT EXCEEDS	140		169		198	
50 PERCENT EXCEEDS	114		119		143	
90 PERCENT EXCEEDS	65		89		89	

e Estimated

10170490 JORDAN RIVER AT SALT LAKE CITY, UT

Combined discharge, in cubic feet per second, of Jordan River and Surplus Canal

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	524	312	270	459	915	1030	1150	867	1230	682	329	336
2	529	301	275	711	940	1050	1240	873	1200	655	338	339
3	575	293	270	809	917	1060	1180	851	1220	682	348	349
4	646	298	318	792	957	1060	1160	829	1300	647	347	357
5	520	303	296	744	972	1170	1130	797	1580	642	351	360
6	444	292	365	741	972	1140	1180	774	1680	584	341	363
7	408	276	290	748	996	1080	1180	808	1600	543	324	358
8	386	276	283	758	1030	1090	1200	857	1630	549	317	355
9	397	349	277	753	1050	1090	1240	922	1810	543	330	357
10	390	380	274	740	1060	1100	1270	917	1730	539	331	354
11	394	312	273	736	1080	1110	1250	894	1710	490	347	357
12	379	306	266	742	1090	1280	1340	884	1810	433	339	338
13	361	304	275	742	1080	1190	1370	1040	1670	421	328	347
14	373	295	263	743	1080	1240	1220	1160	1490	405	313	386
15	385	283	259	743	1090	1200	1180	1300	1310	373	329	405
16	349	276	265	675	1100	1140	1150	1810	1200	415	332	453
17	310	273	267	801	1110	1140	1310	2500	1210	723	324	526
18	306	276	257	665	1130	1160	1230	1830	1080	511	336	504
19	296	274	256	628	1140	1190	1160	1420	928	399	358	486
20	306	266	253	631	1070	1190	1340	1300	957	355	364	479
21	291	256	252	619	1010	1180	1200	1170	1050	336	359	450
22	322	250	251	619	1090	1220	1150	1100	1010	331	354	429
23	318	253	254	594	1110	1630	1110	1160	918	329	362	406
24	320	247	250	599	1140	1380	1100	1070	894	319	354	367
25	323	256	232	617	1120	1290	1040	1090	858	321	354	363
26	320	256	238	628	1100	1180	1080	1260	858	326	363	360
27	322	274	241	767	1140	1160	1070	1240	901	327	365	360
28	316	261	291	809	1120	1220	976	1360	858	332	345	366
29	313	261	357	818	1060	1450	999	1380	783	352	336	349
30	303	274	445	927	---	1160	939	1330	721	342	342	347
31	299	---	499	928	---	1140	---	1320	---	334	338	---
TOTAL	11725	8533	8862	22286	30669	36720	35144	36113	37196	14240	10598	11606
MEAN	378	284	286	719	1058	1185	1171	1165	1240	459	342	387
MAX	646	380	499	928	1140	1630	1370	2500	1810	723	365	526
MIN	291	247	232	459	915	1030	939	774	721	319	313	336
AC-FT	23260	16930	17580	44200	60830	72830	69710	71630	73780	28250	21020	23020

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 NE$^1/_4$SE$^1/_4$NW$^1/_4$ 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 north- east of Fort Douglas.

DRAINAGE AREA.--7.25 mi^2.

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 sea level, 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 ft$^3/_s$ May 28, 1983, maximum gage height, 3.81 ft May 17, 1984; minimum, 0.17 ft$^3/_s$ Nov. 20, 1992, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Apr. 9	2200	*21	*1.89	May 3	0100	21	1.88

Minimum daily discharge, 1.7 ft$^3/_s$ Sept. 9-11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	e2.5	2.4	2.2	e2.1	3.2	9.5	19	8.6	4.3	2.6	1.8
2	2.7	e2.5	2.4	2.1	e2.1	3.2	12	20	8.3	4.1	2.6	1.8
3	2.7	2.5	2.3	2.1	e2.1	3.2	13	20	8.1	4.1	2.6	1.8
4	3.2	2.4	2.7	2.2	2.1	3.2	12	20	7.8	4.0	2.6	1.8
5	2.9	2.4	2.6	e2.0	2.1	3.3	11	19	7.6	3.9	2.5	1.8
6	2.8	2.4	2.9	e2.1	2.2	3.2	12	18	7.4	3.9	2.5	1.9
7	2.8	2.4	2.8	2.1	2.3	3.1	12	18	7.2	3.8	2.5	1.8
8	2.8	2.5	2.6	2.1	2.3	3.3	14	18	7.0	3.7	2.4	1.8
9	2.7	3.0	2.5	2.1	2.4	3.7	18	18	6.8	3.7	2.3	1.7
10	2.8	2.9	2.5	e2.1	2.5	4.5	21	17	6.6	3.6	2.3	1.7
11	2.7	2.8	2.5	2.1	2.6	5.4	20	17	6.4	3.6	2.3	1.7
12	2.6	3.0	2.5	e2.0	2.7	7.7	18	17	6.3	3.5	2.2	1.8
13	2.8	2.9	2.6	2.1	2.9	7.4	17	15	6.1	3.4	2.2	1.8
14	2.8	2.8	2.5	2.1	3.0	7.1	16	15	6.0	3.3	2.2	1.8
15	2.8	2.7	2.4	2.1	3.1	7.2	14	14	5.8	3.4	2.2	1.8
16	2.7	2.7	2.4	e2.0	3.2	7.2	13	e14	5.7	3.5	2.1	2.2
17	2.6	2.6	2.4	e2.1	3.2	7.1	14	e14	5.5	3.5	2.1	2.4
18	2.6	2.6	2.4	e2.1	3.6	6.9	14	14	5.5	3.3	2.1	2.2
19	2.5	2.5	2.4	e2.1	3.5	6.8	14	13	5.4	3.2	2.1	2.1
20	2.5	2.4	2.3	e2.2	3.9	7.1	14	13	5.3	3.1	2.1	2.1
21	2.5	2.4	2.3	2.2	4.1	8.0	14	12	5.2	3.1	2.0	2.0
22	2.7	2.4	e2.0	2.1	4.3	9.0	15	12	5.1	3.0	2.0	2.0
23	2.6	2.4	2.1	2.1	3.9	9.3	15	11	5.0	3.0	2.0	2.0
24	2.6	2.4	2.0	e2.1	3.8	8.4	16	11	4.9	2.9	1.9	2.0
25	e2.6	2.4	2.1	e2.0	3.7	7.7	18	11	4.8	2.9	1.9	2.0
26	e2.6	2.5	2.2	e2.1	3.5	7.3	18	10	4.7	2.8	2.0	2.0
27	e2.5	2.4	2.1	e2.2	3.3	7.2	19	10	4.7	2.8	1.9	2.0
28	e2.5	2.4	2.1	e2.2	3.3	7.5	19	10	4.6	2.8	1.9	2.0
29	e2.5	2.4	2.1	e2.1	3.2	7.9	18	9.7	4.5	2.8	1.9	2.0
30	e2.5	2.4	2.2	e2.1	---	8.0	18	9.3	4.4	2.8	1.9	2.0
31	e2.5	---	2.4	e2.1	---	8.6	---	8.9	---	2.7	1.9	---
TOTAL	82.8	76.6	73.7	65.3	87.0	192.7	458.5	447.9	181.3	104.5	67.8	57.8
MEAN	2.67	2.55	2.38	2.11	3.00	6.22	15.3	14.4	6.04	3.37	2.19	1.93
MAX	3.2	3.0	2.9	2.2	4.3	9.3	21	20	8.6	4.3	2.6	2.4
MIN	2.5	2.4	2.0	2.0	2.1	3.1	9.5	8.9	4.4	2.7	1.9	1.7
AC-FT	164	152	146	130	173	382	909	888	360	207	134	115

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	1.95	2.01	1.92	1.95	2.39	4.55	9.29	13.3	6.92	3.38	2.18	1.85
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	2296.9		1895.9			
ANNUAL MEAN	6.29		5.18		4.31	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	20	May 14	21	Apr 10	95	May 28 1983
LOWEST DAILY MEAN	1.5	Jan 1	1.7	Sep 9	.38	Aug 9 1990
ANNUAL SEVEN-DAY MINIMUM	1.6	Jan 1	1.8	Sep 7	.39	Sep 10 1990
ANNUAL RUNOFF (AC-FT)	4560		3760		3120	
10 PERCENT EXCEEDS	16		14		9.9	
50 PERCENT EXCEEDS	3.4		2.8		2.4	
90 PERCENT EXCEEDS	2.2		2.0		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 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 08...	0950	2.5	630	8.4	2.5	3.5	0.10	10.9	624	K1
JUN 04...	0945	8.1	585	8.3	21.0	10.0	2.1	9.8	626	9

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)
NOV 08...	30	320	86	26	13	8	0.3	1.0	0	312
JUN 04...	10	280	75	22	11	8	0.3	0.70	0	271

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)
NOV 08...	256	95	13	0.10	11	411	399	0.56	2.75	--
JUN 04...	222	59	10	0.10	10	346	322	0.47	7.55	0.070

DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
NOV 08...	<0.010	--	<0.050	<0.015	--	<0.20	0.040	0.030	0.020	0.06
JUN 04...	<0.010	0.070	0.070	0.030	0.04	<0.20	0.060	0.040	0.030	0.09

1017220U RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	COBALT, DISSOLVED (UG/L AS CO) (01035)	IRON, DISSOLVED (UG/L AS FE) (01046)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
NOV							
08...	0950	<10	55	<3.0	6.0	7	3.0
JUN							
04...	0945	<10	51	<3.0	<3.0	5	3.0

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)
NOV						
08...	<10	<1.0	<1	<1.0	460	<6
JUN						
04...	<10	<1.0	<1	<1.0	340	<6

DATE	TIME	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L) (75990)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)
JUN					
04...	0945	0.14	0.80	0.0	0.030

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV				
08...	0951	80	94	--
08...	0952	71	63	--
JUN				
04...	1000	76	28	--
04...	1004	43	116	2.5
04...	1006	73	59	1.3
04...	1007	67	59	1.3
04...	1009	70	68	1.5

10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in $NE^1/_4SW^1/_4SW^1/_4$ 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 mi^2.

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 sea level, from AMS topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 $ft^3/_s$ Aug. 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum, 0.41 $ft^3/_s$ Nov. 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge $ft^3/_s$)	Gage height (ft)
		Unknown	Unknown				

Maximum daily discharge, 3.6 $ft^3/_s$ June 15; minimum daily discharge, 1.4 $ft^3/_s$ several days during October.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.5	3.2	2.8	2.2	2.4	2.6	3.0	e2.7	e2.8	e2.1	1.8
2	3.2	3.5	3.2	2.8	e2.2	2.4	2.7	3.1	e2.6	e2.7	e2.2	1.8
3	3.2	3.5	3.1	2.8	e2.3	2.5	2.5	3.2	e2.6	e2.7	e2.2	1.8
4	3.3	3.5	3.0	2.8	2.4	2.5	2.5	3.2	e2.7	e2.8	e2.1	1.8
5	3.2	3.5	3.1	2.8	2.4	2.5	2.5	3.2	e2.8	e2.7	e2.1	1.8
6	3.3	3.5	3.0	2.7	2.4	2.4	2.5	3.2	e2.9	e2.7	e2.1	1.9
7	3.2	3.5	3.1	2.8	2.4	2.5	2.5	3.2	e3.0	e2.6	e2.0	1.9
8	3.2	3.5	3.0	2.8	2.4	2.5	2.5	3.1	e3.1	e2.6	e2.0	1.8
9	3.2	3.5	3.0	2.7	2.6	2.5	2.5	3.1	e3.3	e2.6	e2.0	1.9
10	3.2	3.5	3.0	2.8	2.6	2.6	2.5	3.0	e3.4	e2.5	e2.0	1.9
11	3.2	3.5	3.0	2.6	2.6	2.6	2.5	3.0	e3.5	e2.4	e1.9	1.9
12	3.2	3.5	3.0	2.6	2.6	2.6	2.4	3.0	e3.6	e2.4	e1.9	1.9
13	3.2	3.5	3.0	2.6	2.6	2.7	2.4	3.0	e3.5	e2.4	e1.9	1.9
14	3.2	3.5	3.0	2.6	2.6	2.7	e2.7	3.0	e3.4	e2.4	e1.9	2.0
15	3.2	3.5	3.0	2.6	2.6	2.6	e2.8	3.0	e3.6	e2.3	e2.0	1.9
16	3.2	3.5	3.0	2.7	2.6	2.6	e2.8	3.0	e3.3	e2.4	1.9	2.2
17	3.2	3.4	3.0	2.7	2.6	2.6	e2.9	3.1	e3.3	e2.5	1.9	2.2
18	3.2	3.2	2.9	e2.6	2.6	2.6	e3.0	3.0	e3.2	e2.5	1.9	2.1
19	3.2	3.3	2.9	2.6	2.6	2.6	2.9	3.0	e3.2	e2.4	1.8	2.0
20	3.2	3.2	2.9	2.6	e2.6	2.6	3.0	2.8	e3.2	e2.4	1.8	2.0
21	3.2	3.2	2.9	2.6	e2.7	2.6	3.0	2.8	e3.1	e2.4	1.8	2.0
22	3.2	3.2	2.9	2.6	e2.7	2.6	3.0	2.8	e3.1	e2.4	1.8	2.0
23	3.2	3.2	e2.8	2.6	2.8	2.6	3.0	3.0	e3.1	e2.3	1.8	2.0
24	3.2	3.2	2.8	2.6	2.8	2.6	3.1	2.9	e3.0	e2.2	1.8	2.0
25	3.2	3.2	2.8	2.6	2.8	2.6	3.2	3.1	e3.0	e2.2	1.8	2.0
26	3.2	3.3	2.8	e2.5	2.8	2.5	3.2	3.0	e2.9	e2.2	1.9	2.0
27	3.3	3.2	e2.8	2.4	e2.9	2.6	3.2	3.0	e2.9	e2.2	1.9	2.0
28	3.5	3.2	2.9	2.4	e3.0	2.6	3.2	3.2	e2.9	e2.2	1.8	2.0
29	3.5	3.2	2.8	2.2	2.4	2.6	3.0	2.9	e2.9	e2.1	1.8	2.0
30	3.5	3.2	2.8	2.2	---	2.6	3.0	e2.8	e2.9	e2.1	1.8	2.0
31	3.5	---	2.8	2.2	---	2.6	---	e2.7	---	e2.1	1.8	---
TOTAL	100.9	101.2	91.5	80.9	74.8	79.5	83.6	93.4	92.7	75.2	59.7	58.5
MEAN	3.25	3.37	2.95	2.61	2.58	2.56	2.79	3.01	3.09	2.43	1.93	1.95
MAX	3.5	3.5	3.2	2.8	3.0	2.7	3.2	3.2	3.6	2.8	2.2	2.2
MIN	3.2	3.2	2.8	2.2	2.2	2.4	2.4	2.7	2.6	2.1	1.8	1.8
AC-FT	200	201	181	160	148	158	166	185	184	149	118	116

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1996, BY WATER YEAR (WY)

MEAN	3.07	2.99	2.89	2.86	2.94	3.36	5.57	6.68	4.19	3.32	3.04	3.00
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1959 - 1996	
ANNUAL TOTAL	1334.8		991.9			
ANNUAL MEAN	3.66		2.71		3.66	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	8.4	May 12	3.6	Jun 12	70	Apr 24 1983
LOWEST DAILY MEAN	1.5	Feb 15	1.8	Aug 19	.84	Dec 18 1967
ANNUAL SEVEN-DAY MINIMUM	1.7	Jan 17	1.8	Aug 19	.93	Jul 21 1961
ANNUAL RUNOFF (AC-FT)	2650		1970		2650	
10 PERCENT EXCEEDS	6.6		3.2		7.4	
50 PERCENT EXCEEDS	3.4		2.7		2.4	
90 PERCENT EXCEEDS	1.9		2.0		1.4	

e Estimated

10172726 FAUST CREEK BELOW TOOELE CITY WELL NEAR VERNON, UT

LOCATION.--Lat 40°08'51", long 112°26'39", in $SE^1/_4NW^1/_4SE^1/_4$ 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 1994, October 1994 to September 1996 (seasonal only) (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,295 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 20 $ft^3/_s$ May 13, 20, 1994; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 13 $ft^3/_s$ July 4, and Aug. 11; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	---	---	---	---	---	---	3.7	.01	3.1	2.8	1.2
2	.00	---	---	---	---	---	---	5.2	.00	8.9	2.4	.59
3	---	---	---	---	---	---	---	3.9	3.8	11	3.7	5.5
4	---	---	---	---	---	---	---	5.1	7.4	13	3.7	9.6
5	---	---	---	---	---	---	---	1.5	8.1	7.8	5.0	5.0
6	---	---	---	---	---	---	---	1.9	2.6	3.5	7.0	11
7	---	---	---	---	---	---	---	4.3	4.0	.03	5.4	6.4
8	---	---	---	---	---	---	---	8.5	5.2	2.3	5.3	.01
9	---	---	---	---	---	---	---	11	.05	6.7	4.3	6.6
10	---	---	---	---	---	---	---	6.2	.85	7.0	8.0	11
11	---	---	---	---	---	---	---	6.1	3.1	3.6	13	8.7
12	---	---	---	---	---	---	---	8.1	2.7	7.0	8.7	2.2
13	---	---	---	---	---	---	---	8.0	2.3	9.3	2.7	2.1
14	---	---	---	---	---	---	---	7.9	2.0	.45	3.9	2.4
15	---	---	---	---	---	---	---	6.0	2.0	7.0	6.6	.01
16	---	---	---	---	---	---	---	2.2	.44	7.3	7.6	.00
17	---	---	---	---	---	---	---	2.0	1.9	2.3	6.0	.00
18	---	---	---	---	---	---	---	4.2	2.3	3.4	7.5	.00
19	---	---	---	---	---	---	---	6.7	3.4	5.9	.02	.00
20	---	---	---	---	---	---	---	1.8	2.4	3.4	4.3	.04
21	---	---	---	---	---	---	---	3.2	2.2	4.7	6.0	.00
22	---	---	---	---	---	---	---	2.9	2.8	4.7	5.2	.00
23	---	---	---	---	---	---	.00	.16	.03	5.4	1.8	.04
24	---	---	---	---	---	---	2.3	.04	3.3	6.4	6.3	2.6
25	---	---	---	---	---	---	3.1	.04	1.1	7.0	5.4	.01
26	---	---	---	---	---	---	2.1	.05	3.9	2.4	1.2	.03
27	---	---	---	---	---	---	5.2	.06	3.9	1.7	2.0	1.9
28	---	---	---	---	---	---	4.4	.15	3.6	.02	5.5	3.1
29	---	---	---	---	---	---	1.5	.08	2.1	4.3	11	.00
30	---	---	---	---	---	---	2.1	.09	2.2	8.8	11	3.4
31	---	---	---	---	---	---	---	.04	---	6.2	7.2	---
TOTAL	---	---	---	---	---	---	---	111.11	79.68	164.60	170.52	83.43
MEAN	---	---	---	---	---	---	---	3.58	2.66	5.31	5.50	2.78
MAX	---	---	---	---	---	---	---	11	8.1	13	13	11
MIN	---	---	---	---	---	---	---	.04	.00	.02	.02	.00
AC-FT	---	---	---	---	---	---	---	220	158	326	338	165

10172727 FAUST CREEK NEAR VERNON, UT

LOCATION.--Lat 40°09'38", long 112°25'49", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft$^3/_s$ Mar. 10, 1993, gage height, 5.96 ft, maximum gage height, 6.08 ft, Nov. 2, 1992 (backwater from aquatic growth); minimum daily discharge, 0.4 ft$^3/_s$, July 15, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge , 20.0 ft$^3/_s$ May 27 gage height, 5.91 ft, minimum daily discharge, 0.94 ft$^3/_s$ Mar. 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.3	1.7	e1.1	e1.1	2.2	2.2	2.6	2.8	2.1	10	3.7
2	1.5	1.4	1.6	e1.0	e1.2	2.2	2.1	5.7	2.6	4.0	7.0	2.8
3	1.5	1.5	1.6	e1.1	e1.1	2.3	2.0	3.0	2.3	7.3	6.5	2.5
4	1.5	1.5	1.8	e1.2	e1.3	2.2	2.0	5.8	5.6	8.4	7.8	3.5
5	1.5	1.5	1.8	e1.1	e1.4	2.5	1.9	3.2	6.6	10	8.2	3.1
6	1.5	1.5	2.0	e1.0	e1.6	2.4	1.8	2.5	4.8	6.2	6.7	4.8
7	1.5	1.5	1.8	e1.1	e1.8	2.3	1.8	3.0	1.9	4.6	10	6.8
8	2.8	1.4	1.7	e1.1	1.8	2.2	1.7	6.2	5.2	3.1	7.4	3.0
9	5.3	1.6	1.4	e1.2	1.9	2.1	1.6	8.1	2.8	4.1	3.6	2.0
10	6.0	1.6	1.4	e1.2	2.0	1.9	1.4	7.6	1.6	9.5	3.1	4.7
11	5.9	1.8	1.4	e1.2	2.3	1.9	1.7	5.3	1.6	7.6	4.7	7.3
12	6.5	1.6	1.5	e1.2	2.5	3.0	3.6	7.5	3.9	5.3	5.7	3.8
13	6.7	1.5	1.6	e1.1	2.7	2.9	2.9	6.9	2.6	9.5	3.5	2.7
14	4.6	1.4	1.5	e1.1	2.5	2.6	2.1	6.9	2.3	6.0	3.3	2.4
15	2.3	1.5	1.5	e1.2	2.5	2.3	1.9	6.9	2.5	3.9	3.1	2.4
16	2.0	1.4	1.6	e1.3	2.6	2.2	1.8	5.3	2.4	9.1	5.3	3.4
17	1.8	1.5	1.5	e1.1	2.7	2.0	2.8	3.8	1.5	8.9	3.4	2.7
18	1.7	1.5	1.4	e1.0	2.8	1.9	2.8	3.8	1.9	4.6	5.6	2.1
19	1.6	1.4	1.3	e1.1	2.7	1.8	2.7	7.5	3.1	6.1	3.2	2.0
20	1.5	1.4	1.3	e1.1	5.5	1.4	2.6	3.8	4.2	5.3	2.2	1.9
21	1.5	1.5	1.3	e1.1	5.7	1.1	2.4	5.0	2.4	8.3	2.4	1.8
22	1.5	1.4	1.2	e1.0	3.7	.97	2.2	5.9	3.3	10	3.7	1.7
23	1.4	1.4	1.1	e1.0	3.3	.94	2.1	5.4	2.5	11	3.5	1.6
24	1.4	1.6	1.0	e1.2	3.1	1.2	2.1	3.5	1.5	13	2.4	1.5
25	1.4	1.6	1.1	e1.3	2.7	1.9	3.9	3.7	1.8	14	5.1	1.5
26	1.4	1.9	1.1	e1.2	2.6	2.8	3.5	4.3	2.2	14	3.1	1.4
27	1.4	2.0	e1.1	e1.4	2.3	3.0	5.0	6.4	3.8	7.2	2.6	1.4
28	1.4	2.0	e1.1	e1.5	2.2	3.1	6.7	15	3.8	5.2	2.5	1.4
29	1.3	1.7	e1.0	e1.3	2.2	4.0	2.9	7.4	2.6	4.6	4.5	1.5
30	1.3	1.7	e1.1	e1.3	---	2.6	2.8	4.8	3.3	7.9	6.5	1.4
31	1.3	---	e1.2	e1.2	---	2.4	---	3.6	---	12	6.2	---
TOTAL	74.6	46.6	43.7	36.0	71.8	68.31	77.0	170.4	89.4	232.8	152.8	82.8
MEAN	2.41	1.55	1.41	1.16	2.48	2.20	2.57	5.50	2.98	7.51	4.93	2.76
MAX	6.7	2.0	2.0	1.5	5.7	4.0	6.7	15	6.6	14	10	7.3
MIN	1.3	1.3	1.0	1.0	1.1	.94	1.4	2.5	1.5	2.1	2.2	1.4
AC-FT	148	92	87	71	142	135	153	338	177	462	303	164

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 1996, BY WATER YEAR (WY)

MEAN	1.63	2.05	1.35	1.24	1.93	3.79	3.24	4.03	2.19	2.86	2.93	2.40
MAX	2.41	5.19	2.20	1.89	2.49	10.6	5.16	5.50	3.79	7.51	5.27	4.94
(WY)	1996	1995	1995	1995	1992	1993	1993	1996	1994	1996	1994	1994
MIN	.90	.80	.80	.93	.89	1.41	1.34	1.47	.76	.32	.19	.26
(WY)	1994	1994	1994	1992	1994	1995	1995	1992	1992	1993	1993	1993

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1992 - 1996	
ANNUAL TOTAL	959.06		1146.21			
ANNUAL MEAN	2.63		3.13		2.51	
HIGHEST ANNUAL MEAN					3.13	1996
LOWEST ANNUAL MEAN					1.22	1992
HIGHEST DAILY MEAN	13	May 25	15	May 28	19	Nov 23 1994
LOWEST DAILY MEAN	.68	Apr 7	.94	Mar 23	.08	Sep 3 1992
ANNUAL SEVEN-DAY MINIMUM	.74	Apr 1	1.1	Jan 17	.10	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	1900		2270		1820	
10 PERCENT EXCEEDS	5.4		6.7		5.5	
50 PERCENT EXCEEDS	1.9		2.2		1.7	
90 PERCENT EXCEEDS	1.2		1.2		.60	

e Estimated

10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT

LOCATION.--Lat 40°20'06", long 112°31'39", in $NE^1/_4SE^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--November 1984 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,660 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 $ft^3/_s$ June 6, 1995, gage height, 2.26 ft; minimum daily discharge, 0.74 $ft^3/_s$ Jan. 5, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20 $ft^3/_s$ April 9, gage height, 1.79 ft; minimum daily discharge, 2.7 $ft^3/_s$ several days in Dec. and Jan.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	4.3	3.3	2.7	e2.9	2.9	5.0	8.5	12	7.8	5.5	3.9
2	6.1	4.3	3.3	2.7	e2.9	2.8	6.0	10	11	7.8	5.3	3.9
3	5.9	4.2	3.3	2.7	e2.9	2.8	5.3	10	12	7.8	5.3	3.9
4	5.8	4.1	3.3	2.7	e2.9	2.9	4.9	9.9	14	7.6	5.1	3.9
5	5.8	4.1	3.3	2.7	e2.9	2.9	4.5	9.4	14	7.1	5.0	3.9
6	5.8	4.1	3.3	2.7	e3.0	2.9	4.7	10	14	6.9	5.0	3.9
7	5.7	4.1	3.3	2.7	e3.0	2.9	6.9	10	13	6.9	5.0	3.9
8	5.5	4.1	3.1	2.7	e3.0	2.9	10	9.6	13	6.8	4.9	3.8
9	5.5	4.1	2.9	2.7	e3.0	3.1	14	10	13	6.6	4.8	3.6
10	5.5	4.1	2.9	2.9	e3.1	3.8	13	9.1	13	6.6	4.8	3.5
11	5.5	3.9	2.9	2.9	e3.0	4.6	9.2	9.4	12	6.3	4.8	3.5
12	5.4	3.9	2.9	2.9	e3.0	4.8	7.9	12	11	6.3	4.8	3.5
13	5.2	3.9	2.9	2.9	e3.0	4.7	6.4	15	11	6.2	4.8	3.5
14	5.3	3.9	2.9	2.9	e3.0	4.1	5.4	16	10	6.1	4.7	3.5
15	5.3	3.9	2.9	2.9	e3.0	4.1	4.9	16	10	6.1	4.6	3.5
16	5.2	3.9	2.9	e2.9	e3.0	4.5	5.1	17	9.5	6.2	4.6	3.5
17	5.0	3.7	2.9	e3.0	e3.0	4.5	5.2	17	9.3	6.3	4.6	3.5
18	5.0	3.6	2.9	e3.0	e3.1	4.2	4.9	15	9.2	6.1	4.6	3.4
19	5.0	3.5	2.9	e3.0	e3.2	4.1	4.5	13	9.0	6.1	4.6	3.3
20	5.0	3.5	2.9	e3.1	e3.3	4.5	4.3	10	8.9	6.1	4.5	3.3
21	5.0	3.5	2.9	e3.1	e3.3	5.6	4.1	9.5	8.7	6.0	4.3	3.3
22	4.8	3.5	2.9	e3.1	e3.3	6.0	4.0	9.3	8.7	5.8	4.3	3.3
23	4.8	3.5	2.9	e3.1	e3.3	5.1	4.0	9.3	8.5	5.8	4.3	3.3
24	4.8	3.5	2.9	e3.1	e3.2	4.4	6.7	8.7	8.4	5.8	4.3	3.3
25	4.8	3.5	2.9	e3.1	e3.1	3.9	9.0	8.1	8.4	5.8	4.3	3.3
26	4.8	3.5	2.9	e3.1	e3.1	3.6	9.2	7.7	8.2	5.7	4.3	3.3
27	4.7	3.4	2.9	e3.1	e3.1	3.7	10	7.6	8.1	5.6	4.3	3.3
28	4.6	3.3	2.9	e3.1	e3.0	3.7	8.9	13	7.9	5.5	4.2	3.2
29	4.6	3.3	2.9	e3.1	e2.9	3.7	7.2	14	7.8	5.5	4.1	3.1
30	4.6	3.3	2.8	e3.1	---	3.7	7.2	14	7.8	5.5	4.1	3.1
31	4.4	---	2.7	e3.0	---	4.1	---	13	---	5.5	4.1	---
TOTAL	161.5	113.5	92.6	90.7	88.5	121.5	202.4	351.1	311.4	196.2	143.9	105.2
MEAN	5.21	3.78	2.99	2.93	3.05	3.92	6.75	11.3	10.4	6.33	4.64	3.51
MAX	6.1	4.3	3.3	3.1	3.3	6.0	14	17	14	7.8	5.5	3.9
MIN	4.4	3.3	2.7	2.7	2.9	2.8	4.0	7.6	7.8	5.5	4.1	3.1
AC-FT	320	225	184	180	176	241	401	696	618	389	285	209

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1996, BY WATER YEAR (WY)

MEAN	2.48	2.09	1.73	1.62	1.84	3.14	4.99	8.94	9.13	5.69	4.05	3.06
MAX	5.21	3.78	3.08	2.93	3.65	7.47	10.8	19.9	26.6	15.9	10.7	7.63
(WY)	1996	1996	1987	1996	1986	1986	1986	1993	1995	1995	1995	1995
MIN	1.00	1.02	.82	.84	.86	.90	1.83	1.89	2.28	1.64	1.32	1.04
(WY)	1991	1993	1993	1993	1991	1991	1990	1990	1992	1990	1990	1990

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1986 - 1996	
ANNUAL TOTAL	3230.0		1978.5			
ANNUAL MEAN	8.85		5.41		4.07	
HIGHEST ANNUAL MEAN					8.25	1995
LOWEST ANNUAL MEAN					1.51	1990
HIGHEST DAILY MEAN	44	Jun 6	17	May 16	44	Jun 6 1995
LOWEST DAILY MEAN	1.3	Jan 1	2.7	Dec 31	.74	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	1.4	Jan 1	2.7	Dec 31	.78	Dec 31 1992
ANNUAL RUNOFF (AC-FT)	6410		3920		2950	
10 PERCENT EXCEEDS	20		10		9.0	
50 PERCENT EXCEEDS	5.7		4.3		2.6	
90 PERCENT EXCEEDS	2.1		2.9		1.0	

e Estimated

10172791 SETTLEMENT CREEK ABOVE RESERVOIR NEAR TOOELE, UT

LOCATION.--Lat 40°30'20", long 112°17'23", in $SE^1/_4NW^1/_4NW^1/_4$, 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 sea level, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67 ft^3/s June 15, 1995, gage height, 4.41 ft, maximum gage height, 4.61 ft June 5, 1995; minimum discharge, 0.13 ft^3/s Aug. 19, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21.4 ft^3/s May 16, gage height, 3.66 ft, minimum daily discharge, 1.3 ft^3/s Feb.14, Mar. 8, Aug 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.3	1.8	1.8	e1.7	1.4	e1.8	2.8	8.4	4.8	2.4	1.7
2	2.5	2.1	1.8	1.8	e1.7	1.4	e1.9	2.8	8.2	4.6	2.4	1.6
3	2.6	2.1	1.8	1.8	e1.7	1.4	e1.9	3.0	8.2	4.5	2.4	1.6
4	2.6	2.1	1.8	1.8	e1.7	1.4	e1.9	3.1	8.2	4.5	2.3	1.7
5	2.6	2.1	1.8	1.8	1.5	1.4	e1.9	3.3	8.4	4.4	2.3	1.7
6	2.5	2.1	1.9	1.7	1.5	1.4	e1.9	3.5	8.8	4.1	2.3	1.7
7	2.5	2.1	1.8	1.7	1.5	1.4	e1.9	4.3	10	4.0	2.3	1.7
8	2.5	2.1	1.8	1.7	1.4	e1.3	e1.8	4.7	12	3.9	2.3	1.6
9	2.5	2.2	1.8	1.7	1.4	e1.4	e1.8	5.2	13	3.8	2.3	1.5
10	2.5	2.1	1.8	1.6	1.4	e1.4	e1.9	5.5	13	3.7	2.3	1.5
11	2.5	2.1	1.8	1.5	1.4	e1.5	e1.8	5.8	13	3.7	2.4	1.5
12	2.5	2.1	1.8	1.4	1.4	e1.6	e1.9	6.2	13	3.5	2.3	1.6
13	2.5	2.1	1.9	1.5	1.4	e1.6	e1.9	7.2	12	3.4	2.3	1.6
14	2.5	2.0	1.8	1.5	1.3	e1.6	e1.9	7.9	12	3.3	2.3	1.6
15	2.6	2.0	1.8	1.5	1.4	e1.6	e1.9	8.6	11	3.4	2.3	1.6
16	2.6	2.0	1.9	1.6	1.4	e1.6	e1.9	11	10	3.6	2.2	1.7
17	2.5	2.0	1.8	1.7	1.4	e1.6	e2.0	12	9.7	3.5	2.2	1.7
18	2.5	2.0	1.8	1.7	1.4	e1.7	2.0	13	9.1	3.3	2.3	1.7
19	2.5	2.0	1.8	1.7	1.4	e1.7	2.1	15	8.3	3.3	2.2	1.7
20	2.5	2.0	1.8	1.7	1.4	e1.7	2.2	15	7.9	3.3	2.2	1.7
21	2.5	2.0	1.8	1.7	1.4	e1.7	2.3	14	7.6	3.2	2.2	1.7
22	2.5	2.0	1.7	1.7	1.4	e1.7	2.3	13	7.3	3.2	2.2	1.7
23	2.5	2.0	1.7	1.7	1.4	e1.8	2.2	13	6.6	3.0	2.0	1.6
24	2.5	2.0	1.7	1.7	1.4	e1.9	2.3	12	6.0	2.8	1.9	1.5
25	2.5	2.0	1.7	1.7	1.4	e1.8	2.3	12	5.8	2.7	1.8	1.5
26	2.5	2.0	1.7	1.7	1.5	e1.8	2.5	11	5.6	2.6	1.9	1.5
27	2.4	1.9	1.7	1.7	1.5	e1.8	2.5	11	5.4	2.5	1.7	1.5
28	2.3	1.8	1.7	1.6	1.4	e1.8	2.6	10	5.1	2.4	1.3	1.5
29	2.3	1.8	1.7	1.6	1.4	e1.8	2.7	9.4	5.2	2.4	e1.5	1.5
30	2.3	1.8	1.7	1.7	---	e1.8	2.7	9.1	5.1	2.4	e1.7	1.5
31	2.3	---	1.7	e1.7	---	e1.8	---	8.5	---	2.5	1.7	---
TOTAL	77.1	60.9	55.1	51.7	42.2	49.8	62.7	262.9	263.9	106.3	65.9	48.2
MEAN	2.49	2.03	1.78	1.67	1.46	1.61	2.09	8.48	8.80	3.43	2.13	1.61
MAX	2.6	2.3	1.9	1.8	1.7	1.9	2.7	15	13	4.8	2.4	1.7
MIN	2.3	1.8	1.7	1.4	1.3	1.3	1.8	2.8	5.1	2.4	1.3	1.5
AC-FT	153	121	109	103	84	99	124	521	523	211	131	96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1996, BY WATER YEAR (WY)

MEAN	1.20	1.01	.86	.78	.77	.90	1.21	6.76	9.91	4.06	1.92	1.22
MAX	2.49	2.03	1.78	1.67	1.46	1.61	2.09	15.6	31.9	14.2	4.81	2.81
(WY)	1996	1996	1996	1996	1996	1996	1996	1993	1995	1995	1995	1995
MIN	.73	.62	.47	.45	.49	.62	.68	2.15	1.93	.63	.63	.52
(WY)	1991	1993	1993	1993	1993	1991	1991	1990	1992	1992	1992	1991

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1989 - 1996	
ANNUAL TOTAL	2363.93		1146.7			
ANNUAL MEAN	6.48		3.13		2.55	
HIGHEST ANNUAL MEAN					6.12	1995
LOWEST ANNUAL MEAN					1.05	1992
HIGHEST DAILY MEAN	59	Jun 16	15	May 19	59	Jun 16 1995
LOWEST DAILY MEAN	.63	Jan 1	1.3	Feb 14	.21	Sep 27 1991
ANNUAL SEVEN-DAY MINIMUM	.66	Jan 1	1.4	Feb 8	.24	Jan 28 1992
ANNUAL RUNOFF (AC-FT)	4690		2270		1850	
10 PERCENT EXCEEDS	21		8.0		5.1	
50 PERCENT EXCEEDS	2.3		2.0		1.1	
90 PERCENT EXCEEDS	.68		1.5		.60	

e Estimated

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'47", long 112°34'25", in $SW^1/_4NW^1/_4SW^1/_4$ 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 mi^2. Area at crest-stage gage site, 3.26 mi^2.

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 sea level, 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 $ft^3/_s$ June 8, 1964, gage height, 2.27 ft; minimum daily discharge, 1.4 $ft^3/_s$ Jan. 5, 1993.

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)
May 16	1400	34	1.73	June 7	0300	*37	*1.73

Minimum discharge, 2.0 ft^3/s March 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	5.6	4.8	4.5	3.8	3.6	4.5	11	22	12	e6.2	e4.2
2	6.4	5.6	4.7	4.5	3.6	3.6	4.5	12	22	11	e6.0	e4.1
3	6.1	5.5	4.5	4.5	3.6	3.6	4.5	13	22	11	e6.2	e4.2
4	6.0	5.2	4.9	4.5	3.7	3.6	4.5	13	23	11	e6.0	e4.2
5	6.0	5.2	4.8	4.5	3.6	3.4	4.5	14	28	11	e5.8	e4.3
6	6.0	5.2	4.6	4.5	3.6	3.3	4.5	15	34	11	e5.6	e4.3
7	6.0	4.9	4.5	4.5	3.6	3.3	4.6	16	33	11	e5.6	e4.3
8	6.0	4.8	4.5	4.5	3.6	3.3	5.0	16	32	11	e5.4	e4.3
9	5.7	5.2	4.5	4.5	3.7	3.3	6.1	17	32	11	e5.4	e4.2
10	5.6	5.0	4.5	4.3	3.9	3.3	7.9	16	32	11	e5.2	e4.0
11	5.6	4.8	4.5	4.2	3.9	3.3	8.8	16	33	10	e5.0	e3.9
12	5.6	4.8	4.6	4.2	3.9	3.6	9.1	18	32	9.9	e4.9	e3.9
13	5.6	4.8	4.6	4.2	3.9	3.6	8.9	19	27	9.1	e4.8	e3.9
14	5.6	4.8	4.5	4.2	3.9	2.8	8.8	19	25	8.6	e4.7	e3.9
15	5.6	4.8	4.5	4.2	4.1	3.4	8.1	23	23	8.7	e4.6	e3.9
16	5.6	4.8	4.5	4.4	4.2	4.0	7.9	31	21	e8.4	4.5	e4.0
17	5.6	4.8	4.5	4.5	4.0	4.2	7.4	28	20	e8.6	4.5	e4.0
18	5.6	4.8	4.5	4.5	4.2	4.2	6.9	31	20	e8.2	4.5	e4.0
19	5.6	4.8	4.5	4.3	4.3	4.2	6.4	29	20	e8.0	4.6	e3.9
20	5.6	4.8	4.5	4.2	4.6	4.2	6.4	22	19	e7.6	4.8	e3.8
21	5.6	4.8	4.5	4.3	4.5	4.3	6.4	20	18	e7.4	4.8	e3.9
22	5.6	4.8	4.5	4.2	4.5	4.5	6.4	18	17	e7.2	4.8	e3.9
23	5.6	4.8	4.5	3.9	4.2	4.9	6.3	17	17	e7.2	4.2	e3.9
24	5.6	4.8	4.5	3.9	4.2	5.0	6.3	16	16	e7.2	e4.1	e4.0
25	5.6	4.8	4.5	4.0	4.2	4.8	7.4	16	16	e7.0	e4.1	e4.1
26	5.6	4.9	4.5	3.9	4.1	4.8	8.7	16	15	e7.2	e4.1	e4.1
27	5.6	4.8	4.5	3.9	3.9	4.8	10	15	14	e6.8	e4.0	e4.0
28	5.6	4.8	4.5	3.9	3.9	4.8	11	16	13	e6.6	e4.0	e4.0
29	5.6	4.8	4.5	3.9	3.7	4.8	11	18	13	e6.4	e4.2	e3.9
30	5.6	4.8	4.6	3.9	---	4.6	11	21	12	e6.4	e4.3	e3.8
31	5.6	---	4.5	3.9	---	4.5	---	23	---	e6.4	e4.3	---
TOTAL	177.8	148.3	141.1	131.4	114.9	123.6	213.8	575	671	273.9	151.2	120.9
MEAN	5.74	4.94	4.55	4.24	3.96	3.99	7.13	18.5	22.4	8.84	4.88	4.03
MAX	6.4	5.6	4.9	4.5	4.6	5.0	11	31	34	12	6.2	4.3
MIN	5.6	4.8	4.5	3.9	3.6	2.8	4.5	11	12	6.4	4.0	3.8
AC-FT	353	294	280	261	228	245	424	1140	1330	543	300	240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	3.61	3.34	3.00	2.91	2.92	3.61	6.43	16.1	19.1	9.63	5.19	4.13
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	3970.9		2842.9			
ANNUAL MEAN	10.9		7.77		6.67	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	60	Jun 4	34	Jun 6	84	Jun 1 1984
LOWEST DAILY MEAN	2.0	Jan 23	2.8	Mar 14	1.4	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	2.1	Jan 19	3.3	Mar 5	1.5	Dec 24 1990
ANNUAL RUNOFF (AC-FT)	7880		5640		4830	
10 PERCENT EXCEEDS	30		17		15	
50 PERCENT EXCEEDS	6.3		4.8		3.8	
90 PERCENT EXCEEDS	2.6		3.9		2.2	

e Estimated

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in $NW^1/_4NW^1/_4NW^1/_4$ 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 mi^2.

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 sea level, 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 poor. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 $ft^3/_s$ May 28, 1983; minimum discharge, 0.14 $ft^3/_s$ Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58 $ft^3/_s$ May 16, gage height, 2.60 ft; minimum daily discharge, 0.78 $ft^3/_s$ Feb. 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.2	2.1	e1.0	e.88	e1.4	3.3	4.3	22	8.5	2.8	1.5
2	2.2	2.4	1.9	e1.0	e.83	e2.0	3.6	4.4	23	8.2	2.6	1.5
3	2.3	2.3	1.8	e1.2	e.78	3.0	3.3	4.4	22	8.2	2.6	1.5
4	2.5	2.3	2.6	e1.2	e.86	3.3	3.4	4.4	23	8.1	2.6	1.4
5	2.5	2.2	1.7	e1.1	e.96	3.4	3.5	4.4	25	7.8	2.6	1.5
6	2.5	2.2	1.3	e1.1	e.92	3.2	3.5	4.4	25	7.4	2.5	1.5
7	2.5	2.2	1.1	e1.2	e1.0	3.4	3.6	4.4	23	6.8	2.4	1.5
8	2.5	2.2	1.2	e1.2	e.94	3.1	3.7	4.4	22	6.6	2.4	1.4
9	2.5	2.3	1.0	e1.3	e1.0	2.5	3.9	4.7	22	6.5	2.3	1.4
10	2.4	2.0	1.0	e1.4	e1.1	2.9	4.1	4.7	21	6.1	2.3	1.4
11	2.4	2.1	.99	e1.6	e1.0	3.0	4.0	4.6	20	5.9	2.2	1.4
12	2.5	2.5	1.4	e1.4	e1.0	3.2	3.8	6.2	19	5.7	2.1	1.4
13	2.5	2.2	1.2	e1.3	e.95	3.0	3.7	11	18	5.6	2.0	1.5
14	2.5	2.1	1.0	e1.3	e.90	2.9	3.7	19	17	5.4	2.1	1.5
15	2.5	2.0	.92	e1.3	e.98	3.2	3.7	35	16	5.1	2.2	1.4
16	2.5	2.0	.85	e1.4	e.94	3.1	3.7	50	15	5.6	2.1	2.3
17	2.5	2.0	e.82	e1.3	e1.1	3.0	3.7	52	15	5.2	2.1	1.7
18	2.6	2.0	e.82	e1.2	e1.3	3.0	3.7	49	14	4.7	2.0	1.7
19	2.7	2.0	e.84	e1.4	e1.7	3.1	3.6	38	13	3.7	1.9	1.7
20	2.6	2.0	e.86	e1.2	e1.6	3.2	3.6	34	13	3.5	1.8	1.7
21	2.7	2.0	e.85	e1.1	e1.5	3.5	3.4	30	12	3.4	1.7	1.6
22	2.9	2.2	e.84	e1.0	e1.5	3.4	3.3	28	12	3.3	1.7	1.5
23	2.7	2.1	e.83	e1.0	e1.3	3.3	3.3	26	11	3.0	1.8	1.5
24	2.7	2.2	e.82	e1.2	e1.4	3.1	3.4	24	11	3.0	1.7	1.5
25	2.7	2.0	e.84	e1.0	e1.4	3.1	3.5	23	11	2.8	1.6	1.5
26	2.7	1.9	e.86	e.95	e1.3	e2.9	3.7	22	9.9	2.8	1.6	1.5
27	2.7	2.1	e.86	e.90	e1.3	3.0	3.7	23	9.8	2.8	1.6	1.6
28	2.7	3.4	e.84	e1.0	e1.3	3.0	4.0	23	9.6	2.8	1.6	1.6
29	2.6	2.2	e.98	e.96	e1.2	3.0	4.0	24	8.8	2.7	1.6	1.5
30	2.5	2.1	e1.1	e1.0	---	3.0	4.1	24	8.6	2.6	1.5	1.5
31	2.5	---	e1.0	e.95	---	2.9	---	23	---	2.9	1.4	---
TOTAL	78.9	65.4	35.22	36.16	32.94	93.1	109.5	613.3	491.7	156.7	63.4	46.2
MEAN	2.55	2.18	1.14	1.17	1.14	3.00	3.65	19.8	16.4	5.05	2.05	1.54
MAX	2.9	3.4	2.6	1.6	1.7	3.5	4.1	52	25	8.5	2.8	2.3
MIN	2.2	1.9	.82	.90	.78	1.4	3.3	4.3	8.6	2.6	1.4	1.4
AC-FT	156	130	70	72	65	185	217	1220	975	311	126	92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73,1977-96, BY WATER YEAR (WY)

MEAN	1.84	1.54	1.31	1.24	1.37	2.46	5.44	17.8	19.3	7.00	3.38	2.15
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	.77	.75	.64	.59	.62	.85	1.15	3.40	3.13	1.25	.76	.61
(WY)	1993	1995	1995	1995	1995	1977	1991	1977	1992	1994	1992	1994

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1972-73,1977-96	
ANNUAL TOTAL	2451.85		1822.52			
ANNUAL MEAN	6.72		4.98		5.41	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	60	Jun 4	52	May 17	150	May 28 1983
LOWEST DAILY MEAN	.32	Feb 15	.78	Feb 3	.32	Feb 15 1995
ANNUAL SEVEN-DAY MINIMUM	.42	Jan 19	.84	Dec 17	.42	Jan 19 1995
ANNUAL RUNOFF (AC-FT)	4860		3610		3920	
10 PERCENT EXCEEDS	20		13		13	
50 PERCENT EXCEEDS	2.6		2.5		2.0	
90 PERCENT EXCEEDS	.66		1.0		.94	

e Estimated

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

LOCATION.--Lat 37°37'19", long 112°30'58", in $SW^1/_4SE^1/_4NW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,300 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. One small diversion for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 $ft^3/_s$ June 19, 1983, gage height, 5.13 ft, from rating curve extended above 640 $ft^3/_s$, minimum recorded, 0.06 $ft^3/_s$ Dec. 25, 1977, Jan.1, 22,1978, result of ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Jan 23-28	---	---	[a] *2.71	May 9	0330	*132	2.49

[a] Backwater from ice

Minimum discharge, 6.9 $ft^3/_s$ Sept 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	27	21	e17	e20	e14	12	61	34	16	11	8.7
2	34	27	21	e17	e20	e14	12	66	31	16	11	8.7
3	33	27	21	e20	e20	e14	13	76	29	15	11	8.4
4	33	26	20	e20	e17	15	13	89	28	15	11	8.1
5	33	26	20	e20	e17	16	12	100	27	14	10	8.0
6	33	26	20	e18	16	15	12	111	27	14	10	8.6
7	33	26	20	e25	16	e14	13	116	26	14	10	8.7
8	32	25	20	e25	16	15	15	114	25	14	9.9	8.4
9	31	25	20	e25	16	15	20	120	24	15	10	8.3
10	31	25	20	e25	15	15	27	113	24	14	9.7	8.2
11	30	25	19	e20	15	15	30	114	23	15	9.5	8.4
12	30	25	19	e18	15	15	28	113	23	15	9.4	10
13	30	24	20	e17	15	15	26	107	22	14	9.2	9.7
14	29	24	21	e16	15	15	21	98	22	15	9.2	9.6
15	29	24	23	e15	16	14	19	89	21	15	8.9	9.3
16	29	24	e20	e15	16	14	18	83	19	15	9.0	9.7
17	29	23	e17	e15	16	14	18	76	18	15	9.0	9.8
18	28	23	e15	e13	15	13	18	71	18	14	8.7	9.8
19	28	23	e15	e10	16	13	17	66	18	13	8.7	9.6
20	28	23	e15	e12	18	13	16	62	17	13	8.6	9.1
21	27	22	e15	e10	18	13	16	57	17	12	8.5	8.7
22	27	22	e15	e14	17	13	16	52	17	13	8.5	8.4
23	28	22	e12	e14	e16	14	15	47	17	12	8.6	8.2
24	28	22	e10	e12	e16	14	18	47	17	12	10	8.1
25	27	22	e10	e16	16	14	28	47	17	12	12	8.0
26	27	22	e10	e16	e14	13	41	47	17	13	11	7.9
27	27	e20	e11	e10	e12	13	49	48	17	13	10	8.3
28	27	e20	e12	e10	e10	13	54	50	16	13	9.6	8.0
29	26	22	e13	e16	e12	13	60	46	16	12	9.1	7.6
30	26	22	e17	e20	---	13	59	42	16	12	8.8	7.5
31	26	---	e20	e23	---	12	---	37	---	12	8.7	---
TOTAL	914	714	532	524	461	433	716	2365	643	427	298.6	259.8
MEAN	29.5	23.8	17.2	16.9	15.9	14.0	23.9	76.3	21.4	13.8	9.63	8.66
MAX	35	27	23	25	20	16	60	120	34	16	12	10
MIN	26	20	10	10	10	12	12	37	16	12	8.5	7.5
AC-FT	1810	1420	1060	1040	914	859	1420	4690	1280	847	592	515

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	21.0	17.6	14.1	11.8	11.5	12.8	29.3	174	177	61.4	33.5	24.9
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	34160.8		8287.4			
ANNUAL MEAN	93.6		22.6		49.1	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					9.99	1977
HIGHEST DAILY MEAN	597	Jun 14	120	May 9	720	Jun 19 1983
LOWEST DAILY MEAN	5.0	Jan 1	7.5	Sep 30	1.1	Nov 20 1977
ANNUAL SEVEN-DAY MINIMUM	5.7	Jan 17	7.9	Sep 24	1.9	Jan 1 1978
ANNUAL RUNOFF (AC-FT)	67760		16440		35600	
10 PERCENT EXCEEDS	369		36		117	
50 PERCENT EXCEEDS	27		16		19	
90 PERCENT EXCEEDS	7.0		9.3		7.5	

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 county road bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi^2.

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. Crest-stage gage since Nov. 9, 1995. Elevation of gage is 6,870 ft above sea level, 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 those 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 9	0445	*171	*1.40				

Minimum daily, 43 $ft^3/_s$ Aug. 11, 13, 21, 22, and 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	98	90	84	83	79	67	99	74	50	46	45
2	103	101	89	82	84	79	68	102	70	50	46	46
3	103	101	89	85	79	79	69	112	68	47	45	45
4	101	100	91	84	82	78	69	127	66	47	45	45
5	101	101	90	84	86	81	68	139	64	46	45	44
6	101	100	90	83	87	80	68	149	64	45	44	45
7	100	100	90	83	88	78	69	156	64	45	46	44
8	98	97	90	82	88	80	71	154	62	46	45	45
9	97	96	88	82	86	81	74	161	60	49	45	45
10	98	95	88	83	85	81	82	152	60	48	45	45
11	97	94	87	82	85	81	89	154	59	50	43	46
12	98	95	88	81	85	79	84	152	57	50	44	45
13	100	95	91	82	86	77	85	147	56	48	43	47
14	106	93	94	82	86	75	79	132	56	49	45	47
15	104	92	e85	82	86	73	74	125	55	51	45	46
16	104	93	e85	83	85	72	67	121	53	52	45	48
17	103	91	e80	e80	84	71	64	115	53	50	45	49
18	102	91	e80	e80	83	70	66	111	53	48	44	49
19	98	91	e80	82	83	70	66	107	53	46	44	49
20	92	91	e70	83	95	69	64	105	52	45	44	48
21	94	90	e70	83	109	69	62	99	54	45	43	47
22	95	90	e70	85	101	70	62	95	53	45	43	46
23	95	89	e70	81	88	71	61	90	53	44	43	46
24	95	89	e70	83	88	72	62	91	51	44	45	46
25	97	89	e70	82	86	71	70	91	50	45	47	46
26	97	90	e75	e80	84	70	82	91	51	46	50	46
27	97	88	e75	e80	80	68	92	91	50	49	50	45
28	96	87	79	80	82	67	96	90	49	49	47	45
29	97	90	80	81	79	70	104	85	49	49	45	45
30	94	90	83	83	---	68	100	83	49	48	45	45
31	95	---	86	83	---	67	---	77	---	48	44	---
TOTAL	3061	2807	2563	2550	2503	2296	2234	3603	1708	1474	1396	1380
MEAN	98.7	93.6	82.7	82.3	86.3	74.1	74.5	116	56.9	47.5	45.0	46.0
MAX	106	101	94	85	109	81	104	161	74	52	50	49
MIN	92	87	70	80	79	67	61	77	49	44	43	44
AC-FT	6070	5570	5080	5060	4960	4550	4430	7150	3390	2920	2770	2740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1996, BY WATER YEAR (WY)

MEAN	68.7	67.2	62.0	56.5	59.9	66.9	115	304	247	111	83.6	71.5
MAX	152	129	108	101	105	106	285	831	1071	430	228	154
(WY)	1984	1984	1984	1984	1962	1962	1942	1993	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1940 - 1996	
ANNUAL TOTAL	73429		27575			
ANNUAL MEAN	201		75.3		110	
HIGHEST ANNUAL MEAN					251	1983
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	876	Jun 15	161	May 9	1340	Jun 2 1983
LOWEST DAILY MEAN	50	Jan 31	43	Aug 11	21	Sep 8 1977
ANNUAL SEVEN-DAY MINIMUM	52	Jan 31	44	Aug 17	23	Aug 30 1977
ANNUAL RUNOFF (AC-FT)	145600		54700		79440	
10 PERCENT EXCEEDS	600		100		205	
50 PERCENT EXCEEDS	105		80		68	
90 PERCENT EXCEEDS	55		45		44	

e Estimated

10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in $SE^1/_4NE^1/_4NW^1/_4$ 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 mi^2.

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 sea level, from river-profile map. Prior to Sept. 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s (including estimated flow of 360 ft^3/s in overflow channel bypassing station), Mar. 4, 1938, gage height, 5.20 ft from rating curve extended above 600 ft^3/s; minimum daily discharge, 1.6 ft^3/s July 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 278 ft^3/s Feb. 21, gage height, 1.84 ft; minimum daily discharge, 7.8 ft^3/s Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	199	206	200	205	189	132	25	e18	11	12	11
2	90	190	206	192	199	188	139	22	e18	11	13	9.9
3	83	195	206	191	192	191	135	21	e17	11	12	9.2
4	91	192	206	195	181	190	118	20	e17	11	13	9.2
5	100	190	208	197	194	189	105	20	e16	11	11	9.4
6	82	192	207	195	203	194	100	21	16	11	10	11
7	95	191	211	191	208	190	80	21	16	10	10	12
8	107	190	216	192	211	189	62	22	16	11	9.6	11
9	114	188	210	195	214	188	51	23	17	15	9.2	11
10	125	169	207	199	210	189	49	25	17	18	9.2	11
11	122	165	207	200	209	189	44	24	16	18	9.0	12
12	106	195	209	197	203	185	49	24	15	18	7.8	e13
13	108	195	208	196	202	180	66	25	14	17	7.9	13
14	121	191	212	197	193	183	65	23	11	16	8.0	13
15	132	194	217	195	199	180	64	22	11	14	8.2	13
16	128	188	214	199	200	166	55	20	10	14	8.3	14
17	129	186	212	215	199	157	40	19	10	14	8.2	14
18	134	184	204	186	199	155	37	19	10	13	8.4	14
19	127	184	200	175	196	154	31	19	10	13	8.1	15
20	126	203	202	194	201	153	29	18	10	12	e9.0	16
21	121	198	201	187	258	153	27	17	11	12	10	18
22	114	200	193	197	258	147	25	18	11	12	12	19
23	117	207	183	184	225	142	25	21	12	12	12	19
24	127	207	180	177	205	147	25	20	11	12	13	19
25	123	210	172	184	200	146	24	20	11	12	12	19
26	131	212	174	e177	199	145	24	20	11	12	11	19
27	157	206	173	e180	188	144	24	20	12	12	12	19
28	137	196	180	e185	180	141	23	20	12	13	12	19
29	138	199	183	198	194	144	24	20	11	13	11	19
30	138	204	190	195	---	141	25	e20	11	13	e12	19
31	163	---	202	207	---	134	---	e19	---	13	e12	---
TOTAL	3670	5820	6199	5972	5925	5183	1697	648	398	405	320.9	430.7
MEAN	118	194	200	193	204	167	56.6	20.9	13.3	13.1	10.4	14.4
MAX	163	212	217	215	258	194	139	25	18	18	13	19
MIN	82	165	172	175	180	134	23	17	10	10	7.8	9.2
AC-FT	7280	11540	12300	11850	11750	10280	3370	1290	789	803	637	854

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1996, BY WATER YEAR (WY)

MEAN	84.3	131	145	134	155	171	157	227	157	48.9	52.5	58.9
MAX	319	237	252	218	259	330	507	1154	1139	321	315	232
(WY)	1917	1984	1984	1984	1924	1921	1916	1922	1983	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915 - 1996	
ANNUAL TOTAL	87549		36668.6			
ANNUAL MEAN	240		100		127	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	897	Jul 1	258	Feb 21	1560	Jun 3 1983
LOWEST DAILY MEAN	46	Aug 20	7.8	Aug 12	1.6	Jul 24 1963
ANNUAL SEVEN-DAY MINIMUM	52	Aug 15	8.1	Aug 12	2.9	Jul 22 1963
ANNUAL RUNOFF (AC-FT)	173700		72730		91760	
10 PERCENT EXCEEDS	626		203		228	
50 PERCENT EXCEEDS	168		97		112	
90 PERCENT EXCEEDS	70		11		12	

e Estimated

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'49", long 112°09'01", in $NW^1/_4SW^1/_4SE^1/_4$ 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 8.0 mi downstream from Otter Creek.

DRAINAGE AREA.--1,207 mi^2.

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 sea level, 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 same datum.

REMARKS.--Records good except those 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 $ft^3/_s$, May 12, 1941, gage height, 5.05 ft from rating curve extended above 1,500 $ft^3/_s$, site and datum then in use; minimum, 1.0 $ft^3/_s$ Jan. 25, 1976, gage height, 0.52 ft, datum then in use, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 262 $ft^3/_s$ July 25, gage height, 2.15 ft; minimum daily discharge, 19 $ft^3/_s$ Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	24	22	e26	26	85	98	143	247	186	247	89
2	92	22	21	e26	26	86	94	142	247	191	244	72
3	27	20	20	25	25	85	94	138	245	185	241	70
4	25	20	21	25	e28	85	90	136	237	183	237	70
5	27	20	38	25	28	85	88	144	234	181	235	70
6	27	20	52	24	30	87	85	147	230	179	236	69
7	25	21	53	24	34	87	84	149	223	177	236	69
8	25	21	56	24	37	89	82	145	218	177	236	69
9	26	21	29	24	40	91	80	140	219	175	236	68
10	25	21	26	24	44	91	80	139	90	175	234	70
11	24	20	25	24	46	92	77	138	60	175	228	55
12	23	21	25	25	48	93	71	138	63	173	223	51
13	23	21	25	25	50	95	76	136	138	174	222	54
14	24	20	27	25	52	98	75	154	140	175	221	43
15	25	20	26	24	54	97	68	207	139	175	223	39
16	25	20	26	24	57	96	40	207	136	175	223	42
17	24	21	26	e25	59	97	40	211	137	173	218	44
18	25	22	e26	e26	62	96	41	220	160	173	215	46
19	26	22	e25	e25	67	95	40	224	219	174	113	39
20	26	26	25	e25	79	95	35	224	215	175	80	39
21	25	29	25	25	91	94	36	225	214	175	77	26
22	22	24	e26	25	92	92	37	221	212	175	76	20
23	23	23	e26	e26	93	93	38	221	203	182	79	21
24	22	23	e27	e27	89	94	36	213	200	255	143	22
25	22	22	e26	e28	88	95	35	207	137	257	140	20
26	22	22	e26	e28	87	110	40	206	69	257	142	20
27	21	21	e26	e29	84	107	61	211	184	250	150	20
28	21	28	e26	e30	84	102	64	152	186	252	150	20
29	20	21	e26	e30	85	104	64	254	184	251	151	20
30	20	21	e25	29	---	101	68	252	184	247	151	19
31	20	---	e25	27	---	100	---	251	---	247	148	---
TOTAL	879	657	878	799	1685	2917	1917	5695	5370	6099	5755	1376
MEAN	28.4	21.9	28.3	25.8	58.1	94.1	63.9	184	179	197	186	45.9
MAX	97	29	56	30	93	110	98	254	247	257	247	89
MIN	20	20	20	24	25	85	35	136	60	173	76	19
AC-FT	1740	1300	1740	1580	3340	5790	3800	11300	10650	12100	11420	2730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1996, BY WATER YEAR (WY)

MEAN	37.1	27.1	22.5	22.2	25.8	38.4	75.4	165	149	166	134	85.1
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1914 - 1996	
ANNUAL TOTAL	25969		34027			
ANNUAL MEAN	71.1		93.0		79.3	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	328	Jun 7	257	Jul 25	1740	May 12 1941
LOWEST DAILY MEAN	14	Jan 1	19	Sep 30	5.5	Feb 25 1977
ANNUAL SEVEN-DAY MINIMUM	14	Jan 1	20	Sep 24	5.5	Feb 25 1977
ANNUAL RUNOFF (AC-FT)	51510		67490		57470	
10 PERCENT EXCEEDS	201		221		209	
50 PERCENT EXCEEDS	26		69		34	
90 PERCENT EXCEEDS	17		22		13	

e Estimated

10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UTAH

LOCATION.--Lat 38°19'43", long 112°11'30", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ 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 mi^2.

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 sea level, 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.--No estimated daily discharges. Records good. Flow regulated by Piute Reservoir (see station 10191000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft$^3/_s$ 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, 691 ft$^3/_s$ June 19-21, gage height 12.54 ft; minimum daily discharge, 5.4 ft$^3/_s$ Sept. 28, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169	75	121	89	9.7	224	229	470	97	519	422	251
2	137	46	233	11	9.4	225	229	439	102	478	422	233
3	103	10	233	11	9.4	225	229	426	88	405	421	198
4	94	10	233	10	9.3	225	229	397	95	434	416	149
5	94	9.7	233	11	9.0	224	206	404	151	454	416	158
6	94	9.0	233	11	9.0	220	158	405	166	455	416	150
7	94	9.3	233	11	9.0	220	171	396	124	394	416	131
8	96	10	233	11	9.0	130	249	398	99	325	409	110
9	97	9.6	233	11	79	73	250	412	158	274	399	91
10	91	9.4	233	11	184	75	277	419	247	246	405	105
11	73	9.4	230	11	184	76	303	377	301	298	405	108
12	29	9.0	229	11	184	77	344	347	336	304	406	108
13	34	9.0	231	11	184	79	336	296	425	261	402	110
14	46	8.8	229	11	184	139	334	245	550	250	397	103
15	45	8.6	230	75	184	187	348	318	554	296	394	78
16	44	8.9	233	391	184	187	395	331	526	355	389	63
17	44	8.6	233	409	184	187	421	270	542	361	378	35
18	59	9.2	233	409	184	187	429	243	607	370	387	7.0
19	68	10	233	405	184	187	442	274	642	385	395	6.4
20	77	10	233	406	184	187	450	327	682	393	389	6.1
21	82	10	233	409	210	214	473	309	676	414	381	6.1
22	84	11	233	409	254	229	495	332	677	409	370	6.1
23	84	11	233	409	256	229	470	264	663	414	350	6.0
24	84	11	233	406	257	229	450	195	657	429	344	5.8
25	85	12	233	398	261	229	464	172	644	434	333	5.8
26	81	12	233	361	243	229	473	120	624	430	319	5.7
27	77	12	233	209	220	229	503	116	607	428	319	5.6
28	77	12	233	11	220	229	509	99	594	430	317	5.4
29	77	12	233	11	223	229	529	56	580	435	322	5.4
30	71	12	233	10	---	229	512	53	558	431	321	31
31	71	---	233	9.7	---	229	---	69	---	425	288	---
TOTAL	2461	404.5	7095	4968.7	4320.8	5838	10907	8979	12772	11936	11748	2283.4
MEAN	79.4	13.5	229	160	149	188	364	290	426	385	379	76.1
MAX	169	75	233	409	261	229	529	470	682	519	422	251
MIN	29	8.6	121	9.7	9.0	73	158	53	88	246	288	5.4
AC-FT	4880	802	14070	9860	8570	11580	21630	17810	25330	23680	23300	4530

CAL YR 1995	TOTAL 98937.4	MEAN 271	MAX 1340	MIN 4.8	AC-FT 196200
WTR YR 1996	TOTAL 83713.4	MEAN 229	MAX 682	MIN 5.4	AC-FT 166000

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

LOCATION.--Lat 38°34'45", long 112°17'22", in $NW^1/_4NW^1/_4SW^1/_4$ sec. 31, T. 25 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on left bank, on State Highway 4, 1.8 mi west of Sevier, 2.3 mi upstream from mouth, and 17.2 mi southwest of Richfield.

DRAINAGE AREA.--164 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,680 ft above sea level, from topographic map. Prior to Nov. 5, 1993, 200 ft upstream at datum 3.0 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Slight regulation from several small reservoirs at headwaters, total combined capacity about 1,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 906 $ft^3/_s$ Aug. 26, 1988, gage height, 2.40 ft, datum then in use, from rating curve extended above 400 $ft^3/_s$; minimum, 1.5 $ft^3/_s$ Feb. 21, 1976, gage height, 0.85 ft, datum then in use, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 87 $ft^3/_s$ June 6, gage height, 2.42 ft; minimum daily discharge, 7.4 $ft^3/_s$ Sept. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	19	e18	e16	17	16	25	40	57	22	12	7.8
2	19	18	e19	15	16	16	26	44	61	21	11	8.0
3	19	16	e21	16	11	17	26	47	67	21	10	7.6
4	19	16	e24	15	14	18	24	48	73	21	10	7.4
5	21	16	e23	15	18	19	23	51	77	20	10	7.7
6	21	18	22	14	17	19	23	53	81	19	9.7	9.4
7	20	17	e21	14	16	16	23	55	80	18	9.7	9.3
8	19	16	e19	15	16	18	25	55	77	18	9.3	8.7
9	19	16	e19	15	16	18	28	e55	72	20	9.2	8.8
10	18	18	e20	15	17	20	31	e59	70	19	9.1	9.1
11	18	17	e21	15	16	23	31	e60	66	17	8.7	10
12	16	17	e22	14	16	23	31	e60	61	17	8.5	9.5
13	17	16	e23	14	16	23	31	e61	56	17	8.5	9.6
14	18	16	e23	15	15	21	28	e63	52	16	8.6	10
15	17	16	e22	15	15	20	28	e63	48	16	8.3	9.8
16	17	17	e22	15	16	20	27	e64	44	19	8.4	11
17	17	17	22	17	16	20	27	e64	42	17	8.8	14
18	17	17	22	10	18	19	29	e65	40	15	9.7	14
19	16	17	22	18	18	19	27	e65	38	15	8.9	13
20	17	16	e19	15	19	19	28	e64	36	14	e8.5	12
21	16	16	e17	16	28	20	27	e63	35	14	8.2	11
22	e16	16	e15	17	24	21	27	e62	34	13	8.1	10
23	e17	16	13	14	16	24	25	e61	32	13	8.0	11
24	18	16	13	15	19	24	26	e62	30	12	8.4	11
25	18	16	13	15	19	23	33	e61	28	12	9.4	11
26	18	17	e15	9.9	16	21	36	e60	26	12	9.4	11
27	17	18	e16	13	11	23	41	e60	26	13	9.3	12
28	17	17	e16	17	14	23	45	e59	24	13	8.5	12
29	17	e17	e16	17	17	27	42	e58	24	14	8.0	11
30	16	e17	e16	17	---	24	39	e56	23	13	e8.1	11
31	17	---	e16	17	---	25	---	55	---	13	7.8	---
TOTAL	552	502	590	465.9	487	639	882	1793	1480	504	280.1	307.7
MEAN	17.8	16.7	19.0	15.0	16.8	20.6	29.4	57.8	49.3	16.3	9.04	10.3
MAX	21	19	24	18	28	27	45	65	81	22	12	14
MIN	16	16	13	9.9	11	16	23	40	23	12	7.8	7.4
AC-FT	1090	996	1170	924	966	1270	1750	3560	2940	1000	556	610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1996, BY WATER YEAR (WY)

MEAN	13.2	12.3	10.9	10.5	13.5	22.6	54.9	133	109	38.9	18.0	13.5
MAX	26.8	21.6	19.4	21.4	35.3	48.5	197	481	322	135	51.4	30.5
(WY)	1985	1985	1967	1984	1984	1986	1984	1984	1983	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1958 - 1996	
ANNUAL TOTAL	27445.8		8482.7			
ANNUAL MEAN	75.2		23.2		37.5	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	387	Jun 6	81	Jun 6	633	May 24 1984
LOWEST DAILY MEAN	6.8	Jan 18	7.4	Sep 4	1.8	Jan 26 1979
ANNUAL SEVEN-DAY MINIMUM	13	Jan 14	7.8	Aug 30	2.4	Aug 29 1978
ANNUAL RUNOFF (AC-FT)	54440		16830		27190	
10 PERCENT EXCEEDS	221		55		92	
50 PERCENT EXCEEDS	31		17		15	
90 PERCENT EXCEEDS	16		9.7		7.7	

e Estimated

10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'24", long 111°57'14", in $SW^1/_4NE^1/_4SW^1/_4$ 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 mi^2.

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 sea level, 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 1.5 ft higher, Oct. 16, 1935, to Oct. 16, 1990, at datum 3.5 ft higher.

REMARKS.--No estimated daily discharges. Records good except those for discharges less than 5 $ft^3/_s$, 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 $ft^3/_s$, May 30, 1922, gage height, 9.6 ft, present datum, from rating curve extended above 600 $ft^3/_s$ 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, 541 $ft^3/_s$ Feb. 23, gage height, 6.88 ft; minimum daily discharge, 1.2 $ft^3/_s$ Aug. 17-31 and Sept. 5, 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	112	146	377	217	343	270	26	72	2.0	1.8	1.3
2	83	114	149	374	212	349	260	30	59	1.8	1.7	1.7
3	96	117	215	284	200	353	191	27	22	1.8	1.7	1.9
4	104	119	252	207	183	356	151	26	13	1.7	1.7	1.5
5	108	120	264	195	184	362	151	27	8.9	1.6	1.7	1.2
6	114	120	273	187	193	362	135	19	14	1.5	2.6	1.2
7	106	120	280	180	193	365	93	12	22	1.5	1.9	1.5
8	96	120	405	177	192	362	54	12	21	1.4	2.9	1.9
9	81	120	428	175	188	360	30	12	19	2.3	5.6	2.0
10	76	120	378	175	182	277	24	12	15	5.8	5.5	2.0
11	73	122	358	169	221	240	23	12	13	2.1	5.2	2.0
12	77	123	353	165	283	242	21	13	12	1.4	5.0	1.9
13	77	211	353	162	296	234	21	12	12	1.5	4.1	2.0
14	72	251	358	157	301	210	22	11	11	1.9	3.4	2.9
15	69	140	362	162	243	237	20	11	11	1.5	2.4	6.1
16	98	134	362	167	193	277	19	11	17	2.6	1.3	7.0
17	116	132	364	236	191	281	17	10	21	2.2	1.2	7.3
18	114	130	365	371	194	287	16	12	17	1.7	1.2	52
19	113	128	365	414	210	291	15	11	12	1.6	1.2	103
20	110	128	361	439	255	293	14	8.4	9.2	1.6	1.2	134
21	107	130	359	456	298	292	14	9.6	6.7	1.6	1.2	132
22	102	132	362	469	325	292	14	8.8	5.3	1.5	1.2	131
23	96	130	362	478	445	292	14	12	5.4	1.6	1.2	128
24	98	129	360	481	447	290	16	11	5.3	1.5	1.2	126
25	104	130	356	483	399	289	15	6.7	4.1	1.6	1.2	96
26	107	131	354	484	383	287	14	11	3.1	1.6	1.2	7.0
27	109	134	355	474	357	286	13	14	2.6	1.6	1.2	3.3
28	110	134	359	374	321	290	14	14	2.4	1.6	1.2	3.7
29	111	136	364	252	329	289	17	26	2.3	1.7	1.2	8.3
30	112	139	366	216	---	282	15	43	2.2	1.9	1.2	8.5
31	112	---	372	216	---	274	---	62	---	1.8	1.2	---
TOTAL	3029	4006	10360	9156	7635	9244	1693	532.5	440.5	57.5	66.5	978.2
MEAN	97.7	134	334	295	263	298	56.4	17.2	14.7	1.85	2.15	32.6
MAX	116	251	428	484	447	365	270	62	72	5.8	5.6	134
MIN	69	112	146	157	182	210	13	6.7	2.2	1.4	1.2	1.2
AC-FT	6010	7950	20550	18160	15140	18340	3360	1060	874	114	132	1940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1996, BY WATER YEAR (WY)

MEAN	81.7	101	123	131	181	183	135	118	142	33.4	25.7	53.2
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1944 - 1996	
ANNUAL TOTAL	75761.8		47198.2			
ANNUAL MEAN	208		129		109	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	1270	Jun 16	484	Jan 26	2350	Jun 5 1983
LOWEST DAILY MEAN	2.8	Apr 24	1.2	Aug 17	.00	Oct 3 1955
ANNUAL SEVEN-DAY MINIMUM	7.5	Apr 23	1.2	Aug 17	.03	Oct 3 1955
ANNUAL RUNOFF (AC-FT)	150300		93620		78610	
10 PERCENT EXCEEDS	529		360		241	
50 PERCENT EXCEEDS	112		97		73	
90 PERCENT EXCEEDS	36		1.6			

10205030 SALINA CREEK NEAR EMERY, UT

LOCATION.--Lat 38°54'43", long 111°31'47", in $SE^1/_4SW^1/_4NW^1/_4$ 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 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 7,000 ft above sea level, from topographic map. Prior to June 9, 1971, at site 300 ft downstream at different datum.

REMARKS.--Records good except for Apr. 26 to May 7, which are fair, and 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 ft^3/s July 27, 1989, gage height, 5.85 ft present datum from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.80 ft^3/s Nov. 9, 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. 26	2400	165	3.87	May 6	2330	*174	*3.92
May 1	2030	122	3.66	May 28	0030	67	3.45

Minimum daily discharge, 7.4 ft^3/s, Mar. 5, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	12	10	8.7	11	e8.0	8.8	56	31	21	12	11
2	14	12	9.8	e8.6	e10	e7.9	9.6	57	29	21	13	11
3	14	14	9.9	8.7	e9.0	e7.8	8.5	54	28	19	12	11
4	14	13	10	8.5	e9.0	7.5	9.1	57	28	18	12	11
5	14	14	9.9	8.1	e9.2	7.4	9.2	73	27	18	12	11
6	14	11	9.7	8.4	e9.0	7.5	10	92	26	17	12	11
7	14	11	9.8	8.2	e9.0	e7.8	12	95	25	15	12	11
8	14	11	9.4	e8.2	e8.2	8.3	17	e85	24	14	12	11
9	14	11	9.5	8.0	e7.9	7.9	19	e87	23	14	12	11
10	14	12	9.4	8.1	e7.6	8.0	16	e90	22	14	13	11
11	14	11	9.4	8.1	e7.5	8.2	13	e93	22	13	12	11
12	14	11	9.5	e8.0	e7.5	8.1	12	e100	21	13	12	11
13	14	11	9.7	e8.0	e7.5	7.9	11	e99	21	13	12	12
14	14	11	9.4	8.4	7.7	7.6	11	e92	20	13	12	12
15	14	11	e9.5	7.7	7.8	7.6	11	e92	19	13	12	11
16	14	10	9.2	7.9	7.8	7.9	11	e83	19	13	12	11
17	14	11	9.1	8.5	7.9	7.8	11	e79	18	13	12	11
18	13	11	e8.9	e8.3	7.9	7.7	11	e70	18	13	12	11
19	13	10	e8.9	e8.3	7.7	7.9	10	e66	18	13	12	10
20	13	10	e9.0	e8.1	8.7	8.1	11	e65	17	12	12	10
21	13	10	e9.0	e8.0	8.7	8.5	10	e63	18	12	11	10
22	13	10	e9.0	7.9	8.0	8.8	10	e60	17	12	11	10
23	13	10	e8.7	e8.0	e8.0	8.9	13	e54	16	12	11	9.6
24	13	10	e8.4	7.9	e7.8	8.2	19	48	16	12	11	9.6
25	13	9.9	e8.4	e7.5	7.5	7.9	22	42	21	12	11	9.7
26	13	e10	e8.8	e7.5	7.8	7.6	33	39	22	12	11	9.1
27	13	e10	e8.8	e8.0	e8.0	7.7	51	39	22	12	12	8.9
28	13	e10	e9.0	e8.8	e8.0	8.0	40	48	22	13	11	8.9
29	13	e10	e9.0	e9.4	e8.0	7.7	31	38	21	13	11	8.9
30	12	10	e8.9	e9.8	---	7.4	44	35	21	12	11	9.0
31	12	---	9.4	e10	---	7.8	---	32	---	12	11	---
TOTAL	418	327.9	287.4	257.6	239.7	245.4	504.2	2083	652	434	364	313.7
MEAN	13.5	10.9	9.27	8.31	8.27	7.92	16.8	67.2	21.7	14.0	11.7	10.5
MAX	14	14	10	10	11	8.9	51	100	31	21	13	12
MIN	12	9.9	8.4	7.5	7.5	7.4	8.5	32	16	12	11	8.9
AC-FT	829	650	570	511	475	487	1000	4130	1290	861	722	622

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1996, BY WATER YEAR (WY)

MEAN	10.0	8.31	7.17	6.53	6.43	7.60	15.1	67.9	47.3	17.4	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1964 - 1996	
ANNUAL TOTAL	8140.8		6126.9			
ANNUAL MEAN	22.3		16.7		18.3	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	170	Jun 14	100	May 12	434	May 28 1983
LOWEST DAILY MEAN	4.5	Jan 22	7.4	Mar 5	1.5	Dec 30 1982
ANNUAL SEVEN-DAY MINIMUM	4.7	Jan 17	7.6	Feb 10	1.7	Dec 26 1982
ANNUAL RUNOFF (AC-FT)	16150		12150		13280	
10 PERCENT EXCEEDS	58		31		35	
50 PERCENT EXCEEDS	13		11		9.5	
90 PERCENT EXCEEDS	5.4		7.9		5.1	

e Estimated

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ 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 mi^2.

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 sea level, 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, 705 ft$^3/_s$ June 28, 1995, gage height, 5.49 ft; minimum, 0.9 ft$^3/_s$ Nov. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
May 16	1857	269	4.67	June 25	1930	*278	*4.74

Minimum daily discharge, 4.5 ft$^3/_s$ Feb. 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	10	7.3	6.3	5.0	e4.8	9.6	42	e99	38	13	6.4
2	18	7.8	7.2	5.9	4.9	4.7	9.7	70	108	37	13	6.4
3	17	e8.8	7.5	5.9	4.7	4.9	8.6	73	125	36	13	6.2
4	17	9.4	7.5	6.0	4.7	4.8	8.1	77	147	34	12	6.3
5	17	10	8.4	5.7	5.0	4.9	8.4	84	174	32	13	6.4
6	16	10	7.6	5.6	5.1	4.8	9.9	84	166	30	13	e6.3
7	16	9.6	8.4	5.7	5.0	e4.6	13	88	157	28	11	e6.2
8	16	8.8	7.4	5.7	5.2	5.1	18	90	150	28	11	6.1
9	15	9.0	7.4	5.8	5.2	5.7	23	77	143	27	10	6.1
10	14	8.4	7.5	5.7	5.1	6.4	23	82	132	25	9.8	6.3
11	13	e9.0	7.5	5.6	5.1	6.5	19	97	120	24	9.6	6.5
12	13	9.7	7.9	5.7	5.0	6.6	15	126	108	23	9.5	6.3
13	13	10	7.8	5.8	5.3	6.2	13	155	100	22	9.3	6.4
14	13	9.3	6.9	5.8	5.5	5.5	13	168	101	21	9.2	7.5
15	15	9.3	e6.7	5.8	5.7	5.7	13	170	96	21	9.1	6.1
16	15	8.2	e6.6	5.9	5.5	5.9	13	191	90	21	8.9	6.8
17	15	8.0	e6.5	5.6	5.6	5.7	12	188	82	21	8.9	6.7
18	14	8.0	e6.4	5.4	5.6	5.6	11	172	75	19	e8.7	6.3
19	12	7.9	e6.2	5.4	5.0	6.0	12	158	70	19	e8.5	6.1
20	12	8.3	e6.0	5.4	e5.6	7.5	11	143	66	18	8.3	6.1
21	12	7.7	e5.8	5.5	e5.5	8.7	10	131	64	17	8.2	5.8
22	10	7.7	e5.6	5.6	5.4	9.0	11	135	58	17	7.9	5.6
23	13	7.5	e5.4	5.4	e5.3	8.4	14	140	53	16	7.8	5.5
24	12	8.4	e5.2	5.2	e5.2	7.2	18	113	50	16	7.7	5.4
25	12	7.3	e5.4	5.3	5.2	6.8	23	96	49	16	7.5	5.3
26	12	7.2	e5.8	5.0	4.9	7.4	26	85	49	15	e7.4	5.2
27	11	7.1	e5.8	5.1	e4.8	7.0	31	82	47	15	7.3	5.2
28	11	e7.0	e6.0	5.2	e4.5	6.9	28	89	43	16	6.8	5.4
29	11	7.6	e6.2	5.2	4.9	6.8	26	78	41	16	6.5	5.2
30	11	7.5	e6.4	5.1	---	7.0	30	79	41	14	6.6	5.2
31	10	---	6.7	5.2	---	7.8	---	87	---	14	6.3	---
TOTAL	424	254.5	209.0	172.5	149.5	194.9	480.3	3450	2804	696	288.8	181.3
MEAN	13.7	8.48	6.74	5.56	5.16	6.29	16.0	111	93.5	22.5	9.32	6.04
MAX	18	10	8.4	6.3	5.7	9.0	31	191	174	38	13	7.5
MIN	10	7.0	5.2	5.0	4.5	4.6	8.1	42	41	14	6.3	5.2
AC-FT	841	505	415	342	297	387	953	6840	5560	1380	573	360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1979-96, BY WATER YEAR (WY)

MEAN	8.58	6.73	5.31	4.81	4.69	6.10	18.3	97.9	140	45.8	17.3	10.9
MAX	18.6	12.5	9.85	8.79	8.46	12.3	87.4	232	317	183	42.3	26.0
(WY)	1984	1985	1984	1984	1984	1986	1985	1984	1983	1995	1983	1995
MIN	4.32	3.77	3.35	3.05	3.13	3.22	5.46	47.1	32.2	11.9	5.75	4.47
(WY)	1990	1993	1979	1981	1967	1991	1967	1990	1966	1966	1966	1966

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965-74, 1979-96	
ANNUAL TOTAL	20727.2		9304.8			
ANNUAL MEAN	56.8		25.4		30.6	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					14.1	1989
HIGHEST DAILY MEAN	547	Jun 28	191	May 16	547	Jun 28 1995
LOWEST DAILY MEAN	4.5	Jan 3	4.5	Feb 28	2.4	Jan 8 1981
ANNUAL SEVEN-DAY MINIMUM	4.7	Jan 1	4.8	Feb 27	2.6	Jan 8 1981
ANNUAL RUNOFF (AC-FT)	41110		18460		22160	
10 PERCENT EXCEEDS	208		84		80	
50 PERCENT EXCEEDS	15		8.6		8.5	
90 PERCENT EXCEEDS	5.0		5.2		4.1	

e Estimated

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

LOCATION.--Lat 39°09'19", long 111°52'37", in $NE^1/_4NE^1/_4SE^1/_4$ 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 mi^2.

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 sea level, 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 1.0 mi downstream at different datum.

REMARKS.--No estimated daily discharges. 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 ft^3/s May 29, 1984; minimum, 5.6 ft^3/s July 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 786 ft^3/s, Feb. 24, gage height, 6.37 ft; minimum daily discharge, 34 ft^3/s, Aug. 29, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	246	280	493	427	611	279	74	291	51	47	46
2	199	243	305	489	442	605	272	125	288	50	50	47
3	198	239	315	478	421	590	253	135	237	52	56	53
4	209	243	365	413	404	542	202	126	177	58	52	59
5	208	247	388	371	424	521	166	122	174	66	52	59
6	211	255	397	352	433	506	164	130	113	66	51	56
7	224	250	407	346	438	482	150	131	161	58	52	53
8	226	252	419	339	443	479	126	126	158	54	48	48
9	214	292	527	342	449	472	98	126	148	60	45	53
10	196	282	519	347	454	468	87	138	140	62	45	58
11	186	296	478	346	481	382	90	146	132	59	44	60
12	192	289	467	343	527	382	88	165	102	60	44	62
13	197	284	464	355	555	392	92	201	85	59	47	69
14	199	369	473	357	560	404	89	213	86	54	54	77
15	192	368	471	359	544	370	88	164	82	46	51	78
16	191	287	471	380	439	402	93	164	80	51	42	82
17	241	280	476	438	424	422	98	169	79	51	42	87
18	244	270	475	508	423	417	101	165	82	52	43	88
19	237	281	465	594	424	399	132	160	77	50	43	114
20	238	277	461	597	415	421	121	148	78	57	41	162
21	245	275	466	625	476	422	114	142	79	59	41	182
22	237	281	462	650	500	419	110	136	81	61	41	184
23	234	282	458	654	523	417	110	154	77	61	41	183
24	236	278	453	661	723	412	114	174	73	56	41	182
25	236	277	449	669	711	405	114	159	69	59	42	178
26	234	276	456	660	670	379	116	157	67	57	43	159
27	235	277	456	654	630	362	116	154	67	47	44	105
28	235	271	461	619	598	315	123	187	64	48	41	72
29	238	277	466	502	618	300	124	272	53	55	34	75
30	241	277	473	426	---	294	104	290	52	60	34	77
31	241	---	481	413	---	286	---	282	---	60	38	---
TOTAL	6819	8321	13704	14780	14576	13278	3934	5035	3452	1739	1389	2808
MEAN	220	277	442	477	503	428	131	162	115	56.1	44.8	93.6
MAX	245	369	527	669	723	611	279	290	291	66	56	184
MIN	186	239	280	339	404	286	87	74	52	46	34	46
AC-FT	13530	16500	27180	29320	28910	26340	7800	9990	6850	3450	2760	5570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 1996, BY WATER YEAR (WY)

MEAN	193	236	268	273	333	357	283	376	386	125	108	133
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1918 - 1996	
ANNUAL TOTAL	177682		89835			
ANNUAL MEAN	487		245		255	
HIGHEST ANNUAL MEAN					1346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	3190	Jun 15	723	Feb 24	5400	May 29 1984
LOWEST DAILY MEAN	58	Sep 7	34	Aug 29	6.0	Jul 18 1977
ANNUAL SEVEN-DAY MINIMUM	68	Sep 3	39	Aug 25	6.6	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	352400		178200		184900	
10 PERCENT EXCEEDS	1510		481		472	
50 PERCENT EXCEEDS	228		206		187	
90 PERCENT EXCEEDS	103		51		59	

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in $SE^1/_4SW^1/_4SE1/4$ 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 mi^2.

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 sea level, 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. Since June 16, 1961 water-stage recorder on right bank at different datum.

REMARKS.--Records good.. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 $ft^3/_s$ June 25, 1983, gage height, 10.90 ft; no flow many days during April, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 946 $ft^3/_s$ May 10, gage height, 7.34 ft; minimum daily discharge, 3.80 $ft^3/_s$ Sept. 17, 18, 22, 23, 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	37	5.5	216	336	669	215	488	325	559	709	84
2	48	36	5.4	215	373	666	215	489	323	556	703	83
3	47	26	5.5	215	373	664	214	487	322	553	705	83
4	43	7.1	5.6	215	371	656	214	489	322	551	706	83
5	44	7.1	5.5	215	374	657	214	489	563	545	703	83
6	44	7.4	5.5	215	372	652	214	489	744	486	704	84
7	42	6.8	35	217	371	650	214	655	742	368	701	84
8	42	6.5	92	217	451	480	213	796	743	366	700	83
9	42	6.4	96	219	510	375	213	829	744	366	699	82
10	44	6.6	100	223	510	373	350	938	747	364	698	82
11	43	6.1	103	223	511	348	511	936	746	363	696	82
12	44	6.1	108	223	570	332	506	936	742	362	696	82
13	43	6.1	110	223	614	329	498	935	743	361	694	57
14	42	6.1	110	223	614	328	496	868	744	361	692	4.3
15	42	6.1	110	223	614	329	495	786	743	360	516	4.2
16	41	6.1	110	223	615	330	492	785	744	357	155	4.2
17	41	6.1	110	226	616	328	490	782	743	253	155	3.8
18	41	6.1	109	223	615	306	489	780	746	105	155	3.8
19	41	5.8	110	220	549	279	487	543	749	104	157	4.3
20	39	5.6	110	220	419	296	489	343	750	103	401	4.5
21	40	5.5	110	218	414	312	487	342	753	103	798	4.0
22	39	5.5	110	218	417	348	486	344	757	103	795	3.8
23	39	5.5	110	218	418	422	485	342	756	104	795	3.8
24	38	5.5	110	217	415	422	486	339	680	103	464	3.9
25	38	5.5	110	220	545	421	487	338	556	103	82	4.3
26	38	5.7	112	218	714	421	486	335	553	103	82	4.3
27	38	5.4	112	220	678	443	490	334	559	103	63	3.8
28	38	5.5	165	221	677	462	487	332	560	103	11	4.2
29	38	5.4	215	219	671	460	486	329	559	103	11	4.3
30	38	5.5	215	269	---	460	488	328	559	387	11	4.3
31	38	---	217	310	---	345	---	326	---	709	38.0	---
TOTAL	1283	262.1	3032.0	6942	14727	13563	12097	17532	19317	9467	14495.0	1121.8
MEAN	41.4	8.74	97.8	224	508	438	403	566	644	305	468	37.4
MAX	48	37	217	310	714	669	511	938	757	709	798	84
MIN	38	5.4	5.4	215	336	279	213	326	322	103	11	3.8
AC-FT	2540	520	6010	13770	29210	26900	23990	34770	38320	18780	28750	2230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 1996, BY WATER YEAR (WY)

MEAN	63.6	33.3	35.2	61.6	63.2	117	302	735	607	544	367	170
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	305	138	65.4	25.0	1.34
(WY)	1961	1965	1965	1965	1965	1965	1941	1995	1964	1934	1934	1961

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1912 - 1996	
ANNUAL TOTAL	92434.6		113838.9			
ANNUAL MEAN	253		311		259	
HIGHEST ANNUAL MEAN					1322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	1630	Jul 8	938	May 10	4920	Jun 25 1983
LOWEST DAILY MEAN	2.6	Jan 1	3.8	Sep 17	.00	Mar 7 1918
ANNUAL SEVEN-DAY MINIMUM	2.8	Jan 1	4.0	Sep 21	.00	Apr 9 1990
ANNUAL RUNOFF (AC-FT)	183300		225800		188000	
10 PERCENT EXCEEDS	1020		705		758	
50 PERCENT EXCEEDS	48		239		34	
90 PERCENT EXCEEDS	4.1		6.1		2.0	

10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in $NW^1/_4NE^1/_4SE^1/_4$ 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 mi^2.

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 sea level, by barometer.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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 ft^3/s June 15-17, 1983; minimum, 2.4 ft^3/s Jan. 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 779 ft^3/s May 14, gage height, 6.44 ft; minimum discharge, 26.0 ft^3/s Sept. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	100	66	241	330	698	437	498	323	486	544	33
2	90	100	66	253	335	695	272	464	290	494	619	31
3	93	99	66	252	380	696	244	403	268	494	642	63
4	93	100	65	235	388	700	237	384	265	470	641	71
5	92	96	66	160	385	697	220	337	294	471	641	78
6	90	78	66	159	377	692	216	346	392	466	613	86
7	89	74	66	160	384	686	210	345	631	445	602	99
8	92	74	56	161	393	686	223	408	644	338	612	100
9	91	73	80	161	430	603	243	571	660	346	622	97
10	91	74	79	160	511	449	242	594	683	364	609	93
11	94	75	63	163	523	436	273	685	667	342	590	99
12	100	74	64	164	527	426	485	736	645	305	613	96
13	99	72	65	165	558	404	523	757	636	326	582	83
14	99	71	64	166	620	403	531	774	622	341	582	100
15	100	70	63	166	629	395	528	747	626	336	577	97
16	100	70	63	168	633	387	536	652	640	331	517	65
17	100	69	64	171	637	383	535	633	635	340	209	54
18	100	69	64	168	641	381	538	643	614	320	145	47
19	99	69	64	173	642	376	537	684	621	172	129	56
20	100	69	66	172	630	340	534	616	636	140	119	65
21	99	68	65	168	516	337	530	363	622	142	170	67
22	100	68	112	167	482	359	530	329	599	130	616	66
23	100	68	108	172	476	379	528	327	598	128	704	62
24	101	67	151	218	474	447	527	324	612	127	717	54
25	101	67	151	245	467	457	516	323	582	112	616	53
26	120	66	147	242	520	445	507	336	463	80	194	53
27	103	66	149	e240	709	437	505	361	452	78	137	50
28	102	66	149	e240	698	422	501	380	450	67	117	34
29	102	66	150	e240	703	450	505	377	445	87	86	51
30	101	66	151	e240	---	464	504	368	453	104	51	59
31	101	---	152	271	---	470	---	350	---	139	37	---
TOTAL	3027	2244	2801	6061	14998	15200	12717	15115	16068	8521	13653	2062
MEAN	97.6	74.8	90.4	196	517	490	424	488	536	275	440	68.7
MAX	120	100	152	271	709	700	538	774	683	494	717	100
MIN	85	66	56	159	330	337	210	323	265	67	37	31
AC-FT	6000	4450	5560	12020	29750	30150	25220	29980	31870	16900	27080	4090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916-19,1943-96, BY WATER YEAR (WY)

MEAN	70.5	74.1	68.5	92.9	115	173	296	609	548	464	311	127
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1916-19,1943-96	
ANNUAL TOTAL	88637		112467			
ANNUAL MEAN	243		307		247	
HIGHEST ANNUAL MEAN					1369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	1450	Jul 9	774	May 14	5020	Jun 15 1983
LOWEST DAILY MEAN	31	Apr 5	31	Sep 2	4.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	33	Mar 26	51	Sep 24	4.9	Jan 22 1980
ANNUAL RUNOFF (AC-FT)	175800		223100		178600	
10 PERCENT EXCEEDS	827		634		638	
50 PERCENT EXCEEDS	92		252		76	
90 PERCENT EXCEEDS	46		66		19	

e Estimated

10224100 OAK CREEK ABOVE LITTLE CREEK, NEAR OAK CITY, UT

LOCATION.--Lat 39°21'23", long 112°13'55", in NE$^1/_4$NE$^1/_4$NW$^1/_4$ 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 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft$^3/_s$ April 29, 1973, gage height, 2.21 ft; minimum, 0.03 ft$^3/_s$ Dec. 31, 1967, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
April 28	2400	*5.8	*1.00				

Minimum daily discharge, 0.33 ft$^3/_s$ many days in Aug. and Sept.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.80	.78	.66	e.96	e.79	e1.2	3.4	5.5	2.1	.67	.37	e.33
2	.79	.77	.67	e.86	e.74	e1.2	4.1	5.5	2.0	.64	.37	e.33
3	.77	.79	.67	e1.1	e.69	1.2	4.3	5.5	1.9	.62	.36	e.33
4	.79	.79	.67	e1.0	e.80	1.3	4.2	5.5	1.8	.64	.36	e.33
5	.80	.77	.70	e.96	e.90	1.3	4.1	5.5	1.8	.59	.36	e.40
6	.80	.75	.73	e.95	e.88	1.4	4.0	5.4	1.7	.56	.36	e.37
7	.80	.70	.76	e.99	e.97	1.4	4.2	5.5	1.6	.54	.35	e.34
8	.82	.69	.73	e.96	e.94	1.4	4.5	5.5	1.6	.56	.35	e.33
9	.83	.68	.73	e1.0	e1.0	1.4	4.8	5.5	1.5	.53	.33	e.33
10	.78	.74	.73	e1.1	e1.1	1.5	4.9	5.4	1.5	.50	.33	e.33
11	.75	.73	.73	e1.0	e1.0	1.7	4.8	5.2	1.4	.46	.33	e.33
12	.77	.71	.77	e1.0	e.86	2.0	4.9	5.1	1.4	.46	.33	e.47
13	.80	.70	.73	e.99	e.86	2.2	4.8	5.0	1.3	.45	.33	e.40
14	.80	.70	.73	e1.0	e.84	2.4	4.8	4.9	1.2	.42	.33	e.35
15	.80	.70	.70	e1.0	e.89	2.5	4.7	4.8	1.2	.44	.36	e.33
16	.80	.69	.73	e1.1	e.87	2.5	4.6	4.7	1.1	.45	.38	e.53
17	.80	.67	.73	e1.1	e1.0	2.5	4.6	4.7	1.1	.45	.38	e.50
18	.80	.67	.68	e.94	e1.2	2.5	4.4	4.6	1.0	.40	.37	e.40
19	.80	.67	.69	e1.1	e1.3	2.4	4.4	4.4	1.0	.38	.36	e.38
20	.80	.66	.68	e.98	e1.3	2.5	4.4	4.2	.99	.38	.36	e.35
21	.80	.61	e.80	e.99	e1.3	2.6	4.4	3.7	.96	.38	.36	e.33
22	.83	.61	e.78	e.95	e1.1	2.9	4.3	3.4	.93	.40	.36	e.33
23	.87	.61	e.77	e.94	e1.1	3.3	4.2	3.4	.90	.40	.36	e.33
24	.82	.61	e.77	e1.0	e1.1	3.2	4.4	3.0	.86	.39	.36	e.33
25	.80	.61	e.82	e1.0	e1.2	3.1	4.6	2.9	.81	.38	.36	e.33
26	.80	.66	e.82	e.86	e1.1	3.1	4.8	2.7	.81	.37	.40	e.33
27	.78	.65	e.80	e.93	e1.1	3.1	5.4	2.7	.81	.37	.39	e.33
28	.77	.67	e.82	e.95	e1.2	3.1	5.5	2.7	.78	.41	e.35	e.33
29	.77	.67	e.89	e.92	e1.2	3.2	5.6	2.4	.74	.44	e.34	e.33
30	.77	.67	e1.0	e.96	---	3.1	5.5	2.3	.72	.40	e.33	e.33
31	.75	---	e1.0	e.86	---	3.2	---	2.1	---	.38	e.33	---
TOTAL	24.66	20.73	23.49	30.45	29.33	70.4	137.6	133.7	37.51	14.46	11.01	10.76
MEAN	.80	.69	.76	.98	1.01	2.27	4.59	4.31	1.25	.47	.36	.36
MAX	.87	.79	1.0	1.1	1.3	3.3	5.6	5.5	2.1	.67	.40	.53
MIN	.75	.61	.66	.86	.69	1.2	3.4	2.1	.72	.37	.33	.33
AC-FT	49	41	47	60	58	140	273	265	74	29	22	21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1996, BY WATER YEAR (WY)

MEAN	.69	.80	.94	.93	1.24	2.90	8.63	12.8	4.56	1.14	.62	.52
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	.29	.41	.40	.45	.40	.48	1.29	1.18	.36	.22	.14	.17
(WY)	1993	1993	1991	1994	1977	1977	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1965 - 1996	
ANNUAL TOTAL	2098.52		544.10			
ANNUAL MEAN	5.75		1.49		2.98	
HIGHEST ANNUAL MEAN					10.4	1983
LOWEST ANNUAL MEAN					.67	1977
HIGHEST DAILY MEAN	42	May 2	5.6	Apr 29	73	Apr 29 1973
LOWEST DAILY MEAN	.61	Nov 21	.33	Aug 9	.11	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	.62	Nov 21	.33	Sep 21	.13	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	4160		1080		2160	
10 PERCENT EXCEEDS	18		4.4		8.3	
50 PERCENT EXCEEDS	1.7		.81		.90	
90 PERCENT EXCEEDS	.73		.36		.38	

e Estimated

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'03", in $SW^1/_4SE^1/_4SE^1/_4$ 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 mi^2.

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 sea level, 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 downstream 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 $ft^3/_s$, July 22, 1936, gage height, 7.27 ft, site and datum then in use, from rating curve extended above 500 $ft^3/_s$; minimum daily, 7.2 $ft^3/_s$ Dec. 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 13	2130	*165	*1.68	No other peak greater than base discharge			

Minimum daily discharge, 16 $ft^3/_s$ Sept. 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	30	24	22	22	e20	25	79	84	54	26	19
2	31	26	24	22	22	e20	30	90	84	52	25	19
3	33	23	22	21	e22	e20	27	96	86	52	25	18
4	32	25	23	21	e21	19	26	101	89	44	23	18
5	32	25	23	21	20	19	27	106	92	42	23	16
6	33	26	23	22	20	20	29	106	93	40	23	18
7	32	29	23	21	20	20	35	98	90	39	23	18
8	31	27	23	21	21	20	42	97	87	40	23	18
9	31	28	22	21	21	20	49	107	82	46	23	18
10	30	26	23	21	21	22	53	109	80	44	23	18
11	30	25	23	21	21	23	46	117	78	28	22	20
12	30	26	25	21	21	23	44	127	73	26	22	23
13	26	26	23	21	21	23	38	136	73	30	22	27
14	27	25	24	21	21	22	35	136	73	30	22	22
15	26	26	22	21	21	21	36	130	76	30	23	20
16	27	26	22	21	22	21	36	137	77	33	22	19
17	27	26	22	21	22	21	36	126	75	30	23	20
18	26	26	21	e17	21	21	35	114	73	28	25	20
19	26	26	24	e18	23	22	28	109	72	28	24	20
20	26	25	23	e18	23	24	33	100	69	28	20	19
21	26	25	e20	e20	25	26	30	94	69	27	21	19
22	27	26	e19	21	23	29	29	95	71	26	21	18
23	18	26	e20	e19	24	29	30	100	68	26	20	20
24	25	25	e19	20	23	26	39	91	65	26	20	18
25	26	24	e20	20	22	24	58	82	66	26	21	18
26	26	25	e21	e18	23	22	69	81	64	27	23	18
27	27	19	e22	e20	e20	22	75	78	65	27	24	18
28	26	23	e24	21	e21	22	72	79	62	27	22	18
29	26	25	e23	21	e19	23	67	71	59	27	21	18
30	27	24	e23	21	---	22	72	67	56	27	20	18
31	27	---	24	21	---	23	---	70	---	25	20	---
TOTAL	871	764	694	635	626	689	1251	3129	2251	1035	695	573
MEAN	28.1	25.5	22.4	20.5	21.6	22.2	41.7	101	75.0	33.4	22.4	19.1
MAX	34	30	25	22	25	29	75	137	93	54	26	27
MIN	18	19	19	17	19	19	25	67	56	25	20	16
AC-FT	1730	1520	1380	1260	1240	1370	2480	6210	4460	2050	1380	1140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1996, BY WATER YEAR (WY)

MEAN	23.6	21.6	19.5	18.2	18.9	22.6	54.2	169	153	62.8	36.6	25.7
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915 - 1996	
ANNUAL TOTAL	30429		13213			
ANNUAL MEAN	83.4		36.1		52.2	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	691	Jun 15	137	May 16	84	May 24 1984
LOWEST DAILY MEAN	15	Jan 1	16	Sep 5	7.2	Dec 20 1976
ANNUAL SEVEN-DAY MINIMUM	16	Jan 1	18	Sep 3	8.	Dec 19 1976
ANNUAL RUNOFF (AC-FT)	60360		26210		37840	
10 PERCENT EXCEEDS	244		79		117	
50 PERCENT EXCEEDS	35		25		25	
90 PERCENT EXCEEDS	19		20		15	

e Estimated

10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in $NE^1/_4SW^1/_4SW^1/_4$ 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 mi^2.

PERIOD OF RECORD.--December 1913 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since Nov. 23, 1994. Elevation of gage is 5,550 ft above sea level, 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 1.8 mi downstream at different datum. Mar. 19, 1970, to July 25, 1979 at site 400 ft downstream at different datum. July 26, 1979, to Feb. 5, 1992, at site 50 ft upstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, and those for discharges less than 2.0 $ft^3/_s$, which are poor. One small diversion between station and Minersville Reservoir. Several ditches above station divert most of flow during irrigation season to supply Adamsville and Beaver irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 $ft^3/_s$ June 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 $ft^3/_s$; no flow during summer and fall months in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69 $ft^3/_s$ Jan. 26, gage height, 3.67 ft; maximum gage height, 3.87 ft Jan. 19,backwater from ice; minimum daily discharge, 0.20 $ft^3/_s$ Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	45	43	48	47	43	24	.59	1.2	.46	.38	.24
2	7.1	40	43	49	43	43	20	.71	1.7	.44	.40	.26
3	6.3	37	42	47	41	41	19	.60	2.2	.46	.41	.27
4	9.1	38	43	47	44	39	16	.83	3.3	.43	.41	.27
5	12	36	43	45	43	37	13	.94	2.8	.40	.36	.25
6	13	42	43	48	49	40	11	.68	2.6	.33	.36	.21
7	13	43	50	46	50	39	9.4	.82	1.7	.34	.36	.21
8	13	43	48	45	47	38	11	.85	1.7	.35	.42	.23
9	14	42	44	40	46	36	7.6	1.0	1.3	.38	.45	.22
10	12	43	45	43	44	35	9.1	1.1	1.5	.35	.45	.21
11	13	42	45	42	42	36	11	1.1	1.0	.35	.41	.21
12	13	43	46	43	41	38	10	1.2	.94	.38	.38	.20
13	12	39	48	43	41	41	20	1.6	.80	.33	.41	.21
14	12	40	50	40	40	42	17	1.3	.75	.28	.55	.24
15	14	42	46	40	40	38	3.3	.96	.68	.26	.47	.24
16	21	43	45	43	40	38	.54	1.2	.66	.29	.43	.46
17	21	42	43	44	40	39	.50	.75	.57	.24	.46	.37
18	21	42	e40	e38	40	39	.83	.77	.59	.24	.46	.35
19	24	42	e38	e40	40	40	.61	.92	.56	.22	.41	.36
20	26	41	e42	e40	40	40	.42	2.1	.50	.21	.44	.40
21	27	42	e42	e41	51	41	.37	1.7	.52	.21	.46	.36
22	26	42	e38	e42	46	42	1.0	1.5	.54	.26	.41	.34
23	e25	42	e40	e40	42	42	.39	3.0	.55	.26	.42	.27
24	29	42	e37	42	41	41	.42	1.2	.50	.27	.43	e.27
25	29	42	e39	45	41	38	.40	3.1	.46	.32	.48	e.27
26	29	43	e42	39	40	35	.40	11	.48	.32	.41	e.27
27	29	41	e44	e40	41	34	.42	6.9	.49	.37	.49	e.28
28	30	38	47	40	e40	33	.45	4.7	.50	.60	.35	e.29
29	30	45	46	42	e42	34	.45	2.8	.56	.54	.30	e.30
30	30	45	49	38	---	32	.46	2.7	.54	.44	.27	e.32
31	30	---	51	44	---	31	---	1.5	---	.41	.23	---
TOTAL	598.0	1247	1362	1324	1242	1185	209.06	60.12	32.19	10.74	12.67	8.38
MEAN	19.3	41.6	43.9	42.7	42.8	38.2	6.97	1.94	1.07	.35	.41	.28
MAX	30	45	51	49	51	43	24	11	3.3	.60	.55	.46
MIN	6.3	36	37	38	40	31	.37	.59	.46	.21	.23	.20
AC-FT	1190	2470	2700	2630	2460	2350	415	119	64	21	25	17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1996, BY WATER YEAR (WY)

MEAN	19.2	41.2	41.5	39.1	43.2	43.4	31.1	74.7	83.1	15.8	15.1	10.7
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915 - 1996	
ANNUAL TOTAL	32180.96		7291.16			
ANNUAL MEAN	88.2		19.9		38.1	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	1580	Jun 5	51	Dec 31	1700	Jun 19 1983
LOWEST DAILY MEAN	.76	Aug 8	.20	Sep 12	.00	May 7 1924
ANNUAL SEVEN-DAY MINIMUM	.85	Aug 5	.21	Sep 6	.00	Aug 7 1924
ANNUAL RUNOFF (AC-FT)	63830		14460		27600	
10 PERCENT EXCEEDS	254		44		59	
50 PERCENT EXCEEDS	33		12		30	
90 PERCENT EXCEEDS	2.2		.31		.69	

e Estimated

10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in $SE^1/_4NW^1/_4NW^1/_4$ 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 mi^2.

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 sea level, from topographic map. Prior to June 1, 1916, at site 1,500 ft upstream at different datum.

REMARKS.--No estimated daily discharges. 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 upstream from reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 $ft^3/_s$ June 12, 1983, gage height, 4.74 ft, from rating curve extended above 500 $ft^3/_s$ on basis of slope-area measurement of peak flow; minimum daily, 0.4 $ft^3/_s$ Mar. 20, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 128 $ft^3/_s$ July 2, gage height, 1.82 ft; minimum daily discharge 4.0 $ft^3/_s$ Sept. 21-24, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	6.6	7.3	8.6	11	10	11	100	66	125	45	70
2	7.7	6.4	7.3	8.3	11	10	11	100	76	122	54	63
3	7.4	6.6	6.9	8.4	11	10	11	100	88	120	66	63
4	7.3	6.4	7.2	8.4	11	10	11	100	88	120	79	62
5	7.3	6.3	6.9	8.4	11	10	11	100	102	120	79	61
6	7.3	6.9	6.9	8.4	11	10	11	100	109	120	79	61
7	7.3	6.7	7.3	8.6	12	10	11	100	102	121	79	61
8	7.3	6.9	7.3	8.9	12	10	11	100	94	118	78	49
9	7.0	6.7	7.6	9.0	12	10	11	98	78	103	79	29
10	6.7	6.7	7.8	9.0	11	10	11	91	69	103	79	28
11	6.7	6.8	7.8	9.0	11	10	11	91	69	101	79	28
12	6.6	6.8	7.6	9.0	11	11	12	91	70	101	78	27
13	6.4	6.8	7.7	9.0	11	11	11	91	71	99	79	27
14	6.5	6.7	7.6	9.0	11	11	11	92	75	96	79	20
15	6.6	6.7	7.8	9.0	11	11	11	93	77	94	79	14
16	6.2	6.8	7.7	9.3	11	11	11	93	54	91	80	14
17	6.2	7.2	7.5	9.5	11	11	11	93	71	90	79	7.9
18	6.1	7.3	8.1	9.6	11	11	11	92	66	88	80	4.7
19	6.0	7.3	8.0	9.6	11	11	11	91	68	88	80	4.4
20	5.8	7.3	7.9	9.6	11	11	11	91	67	86	80	4.1
21	5.8	7.3	7.8	9.6	11	11	17	91	68	85	80	4.0
22	6.0	7.2	7.9	9.6	10	11	32	91	72	80	81	4.0
23	6.2	7.0	7.9	9.6	10	11	43	91	85	60	81	4.0
24	6.1	7.0	7.8	9.9	10	11	62	90	98	59	73	4.0
25	5.8	7.3	8.0	10	10	11	66	83	108	59	70	4.1
26	5.8	7.3	8.0	10	10	11	74	72	120	49	80	4.0
27	5.8	7.3	8.1	10	10	11	92	55	120	40	80	4.2
28	5.8	7.3	8.2	10	10	11	100	58	120	39	79	4.4
29	5.9	7.3	8.2	10	10	11	100	63	123	39	80	4.4
30	6.2	7.3	8.4	11	---	11	100	67	125	39	80	4.2
31	6.3	---	8.5	11	---	11	---	67	---	38	79	---
TOTAL	202.6	208.2	239.0	289.3	314	330	907	2735	2599	2693	2373	739.4
MEAN	6.54	6.94	7.71	9.33	10.8	10.6	30.2	88.2	86.6	86.9	76.5	24.6
MAX	8.5	7.3	8.5	11	12	11	100	100	125	125	81	70
MIN	5.8	6.3	6.9	8.3	10	10	11	55	54	38	45	4.0
AC-FT	402	413	474	574	623	655	1800	5420	5160	5340	4710	1470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-96, BY WATER YEAR (WY)

MEAN	12.3	10.3	11.1	11.5	11.3	15.3	28.7	97.0	108	83.3	65.4	34.0
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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1915-36, 1938-96	
ANNUAL TOTAL	20832.7		13629.5			
ANNUAL MEAN	57.1		37.2		40.5	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					12.6	1960
HIGHEST DAILY MEAN	483	Jun 30	125	Jun 30	1210	Jun 20 1983
LOWEST DAILY MEAN	5.3	Jan 31	4.0	Sep 21	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	5.3	Jan 31	4.0	Sep 20	1.5	Oct 24 1914
ANNUAL RUNOFF (AC-FT)	41320		27030		29360	
10 PERCENT EXCEEDS	137		95		102	
50 PERCENT EXCEEDS	7.3		11		14	
90 PERCENT EXCEEDS	5.8		6.6		4.7	

10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in $SE^1/_4SE^1/_4NE^1/_4$ 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 from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi^2.

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 sea level, 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 good except those for estimated daily discharges, which are poor. No diversion above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 $ft^3/_s$ 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 $ft^3/_s$ Nov. 3, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
July 26	1815	[a] *867	7.36	Aug. 25	1250	[a] 724	7.11

[a] From rating curve extended above 420 $ft^3/_s$ on basis of slope-area measurement.

Minimum daily discharge, 8.0 $ft^3/_s$ July 28, Aug. 20-23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	11	12	11	13	20	70	20	e11	8.3	8.5
2	13	12	11	11	11	13	21	68	19	e10	8.3	8.5
3	12	12	11	12	12	14	18	66	18	e10	8.2	8.3
4	12	12	11	12	12	14	18	62	18	10	8.2	8.3
5	12	12	11	11	12	14	18	64	17	10	8.2	8.3
6	13	12	11	11	12	14	20	67	17	9.8	8.2	e29
7	12	12	12	11	12	14	25	66	16	9.8	8.2	e10
8	12	12	11	11	13	15	35	64	16	11	8.2	e8.5
9	12	12	11	11	14	23	40	62	15	17	8.1	e8.5
10	12	12	11	11	13	29	41	56	15	13	8.2	e8.5
11	12	12	11	11	14	26	35	55	15	11	8.2	e9.0
12	12	12	11	11	13	19	31	55	14	10	8.2	e15
13	12	12	12	11	14	16	26	51	14	10	8.2	e25
14	12	12	12	11	14	15	23	46	14	9.8	8.3	e15
15	12	12	11	11	14	15	22	44	14	14	8.1	e10
16	12	12	11	11	14	17	22	41	13	16	8.1	e15
17	12	12	11	11	14	17	22	e39	13	11	8.3	e10
18	12	12	9.6	11	13	18	21	e36	13	9.8	8.1	e9.0
19	12	12	e9.0	12	13	20	19	e33	13	9.2	8.2	e9.0
20	12	11	e9.0	11	17	22	19	e31	13	8.7	e8.0	e9.0
21	12	11	9.2	11	18	24	17	e29	12	8.8	8.0	e9.0
22	12	11	e9.0	11	13	22	18	e27	12	9.5	8.0	e10
23	12	11	10	e10	14	19	26	e25	12	8.9	8.0	e9.0
24	12	11	10	e10	14	15	44	27	12	8.8	13	e9.0
25	12	11	11	10	13	14	65	31	11	8.9	38	e9.0
26	12	11	12	e10	11	14	76	32	11	38	10	e9.0
27	12	9.8	12	e11	12	15	75	37	12	11	9.0	e9.0
28	12	e10	12	12	12	15	59	35	11	8.7	8.7	e9.0
29	12	e10	12	12	12	16	48	27	e11	8.3	8.5	e9.0
30	12	11	12	12	---	16	57	23	e11	8.3	8.5	e9.0
31	12	---	13	12	---	18	---	21	---	8.7	8.5	---
TOTAL	375	345.8	339.8	345	381	536	981	1390	422	349.0	292.0	323.4
MEAN	12.1	11.5	11.0	11.1	13.1	17.3	32.7	44.8	14.1	11.3	9.42	10.8
MAX	13	12	13	12	18	29	76	70	20	38	38	29
MIN	12	9.8	9.0	10	11	13	17	21	11	8.3	8.0	8.3
AC-FT	744	686	674	684	756	1060	1950	2760	837	692	579	641

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1996, BY WATER YEAR (WY)

MEAN	12.5	11.3	10.2	9.90	11.8	17.9	55.9	145	70.3	22.4	17.4	13.4
MAX	38.4	24.1	21.3	17.7	18.6	39.5	140	489	428	69.9	59.7	37.1
(WY)	1973	1988	1984	1984	1947	1995	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 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1939 - 1996	
ANNUAL TOTAL	22284.6		6080.0			
ANNUAL MEAN	61.1		16.6		33.3	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	543	Jun 5	76	Apr 26	1080	May 31 1983
LOWEST DAILY MEAN	9.0	Dec 19	8.0	Aug 20	2.1	Nov 3 1990
ANNUAL SEVEN-DAY MINIMUM	9.4	Dec 18	8.1	Aug 17	2.5	Oct 28 1990
ANNUAL RUNOFF (AC-FT)	44200		12060		24100	
10 PERCENT EXCEEDS	180		31		75	
50 PERCENT EXCEEDS	19		12		13	
90 PERCENT EXCEEDS	11		8.6		7.6	

e Estimated

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1996

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	1922*	10-04-95	18.3
				1942-67*	11-21-95	12.7
				1988-89	04-24-96	67.4
				1993-94	08-29-96	71.9
				1994-95		
		GREEN RIVER BASIN				
09314500 Price River at Woodside	Green River	Lat 39°15'50", long 110°20'45" Emery County	1,540	1945-92	10-30-95	92.9
				1994-95	03-20-96	171
					04-24-96	(e)400
					06-27-96	54.3
		SEVIER LAKE BASIN				
391523111371600 Manit Creek	Sevier River	Lat 39°15'23", long 111°37'16" Sanpete County	—	—		
		Above diversion			10-17-95	13.6
					02-13-96	5.0
					07-31-96	12.5
		Below diversion			10-17-95	2.2
					02-13-96	0.3e
					07-13-86	8.6

* Operated as a continuous gaging station.

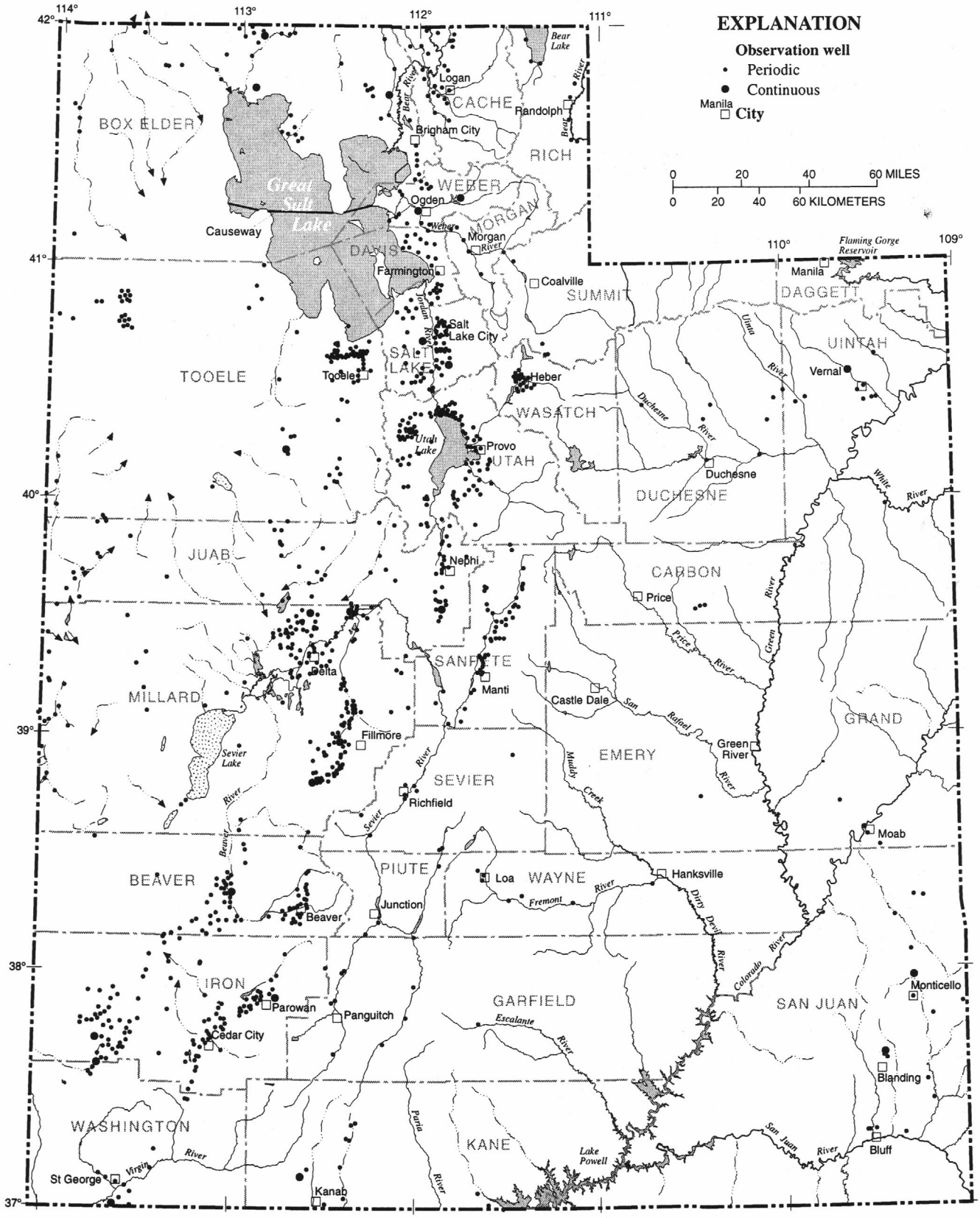

Figure 13. Locations of observation wells in Utah where data were obtained on ground-water levels.

BEAVER COUNTY

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., hole depth 360 ft, cased to 60 ft.

DATUM.--Elevation of land-surface datum is 5,019 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

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, 68.97 ft below land-surface datum, June 2, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.99	45.02	43.36	42.61	42.27	42.00	42.16	56.63	64.98	65.19	59.05	66.59
10	47.77	44.62	43.19	42.56	42.20	42.07	42.45	59.90	62.69	65.40	59.86	64.65
15	49.59	44.30	43.04	42.46	42.18	42.05	45.71	61.88	59.96	63.96	62.12	59.09
20	47.14	44.07	42.93	42.39	42.07	42.05	45.98	63.69	61.56	63.52	64.84	55.49
25	46.78	43.79	42.89	42.29	42.00	42.00	48.73	64.11	63.20	60.41	66.00	53.02
EOM	45.76	43.57	42.69	42.22	42.09	42.02	53.46	64.64	64.73	57.65	67.07	51.56

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 sea level. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Records good, except for estimated days which are fair.

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, 25.77 ft below land-surface datum, May 19, 20, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.99	23.98	e24.05	e24.29	24.49	24.68	25.04	25.25	25.04	24.78	24.40	24.12
10	24.00	23.97	e24.09	e24.32	24.52	24.86	25.09	25.26	24.98	24.74	24.43	24.12
15	24.03	24.01	e24.13	24.35	24.60	24.81	25.15	25.24	24.94	24.69	24.40	23.98
25	23.99	24.04	e24.21	24.29	24.56	24.87	25.19	25.13	24.83	24.55	24.28	23.96
EOM	23.97	24.02	e24.25	24.34	24.63	24.95	25.29	25.02	24.84	24.52	24.21	23.95

414411112543701. LOCAL NUMBER, (B-12-9)30cda-1.

LOCATION.--Lat 41°44'11", long 112°54'37", Hydrologic Unit 16020309.

Owner: 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 sea level. 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, 25.86 ft below land-surface datum, Nov. 11, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.47	25.52	25.42	25.38	25.26	25.12	25.04	24.95	24.96	25.14	25.21	25.31
10	25.49	25.51	25.42	25.36	25.23	25.13	24.98	24.95	25.01	25.15	25.27	25.37
15	25.53	25.50	25.41	25.31	25.23	25.08	24.97	24.93	25.04	25.17	25.29	25.40
20	25.57	25.50	25.41	25.29	25.19	25.08	24.95	24.96	25.05	25.16	25.30	25.44
25	25.55	25.44	25.41	25.27	25.20	25.08	24.94	24.97	25.07	25.16	25.32	25.47
EOM	25.52	25.44	25.37	25.27	25.20	25.03	24.93	25.01	25.12	25.20	25.29	25.51

e Estimated.

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 sea level. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Records good.

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, 180.60 ft below land-surface datum, July 29, 1996.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	174.37	169.84	168.11	167.24	166.60	165.63	165.85	170.10	173.50	179.43	177.41	175.59
10	173.25	169.49	167.99	167.12	166.41	165.82	165.53	171.74	175.23	179.90	177.02	176.83
15	172.25	169.23	167.75	166.89	166.31	165.77	165.58	173.22	176.30	180.20	176.42	176.29
20	171.55	169.02	167.65	166.79	165.96	165.76	165.57	172.72	177.49	180.18	176.36	176.42
25	170.91	168.47	167.65	166.56	165.88	165.77	166.23	173.46	178.38	179.95	176.44	176.40
EOM	170.22	168.37	167.19	166.53	166.11	165.69	168.08	172.92	179.18	178.86	175.92	175.69

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 CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in., depth 420 ft.

DATUM.--Elevation of land-surface datum is 5,802 ft above sea level. 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, 56.20 ft below land-surface datum, Apr. 14, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.74	47.03	48.17	48.88	49.47	49.54	49.85	49.55	48.92	48.83	48.94	49.51
10	47.76	47.38	48.41	49.03	49.43	49.64	49.67	49.52	48.86	48.78	49.01	49.69
15	47.64	47.77	48.45	48.99	49.48	49.70	49.48	49.33	48.85	48.76	49.00	49.66
20	48.35	47.84	48.53	49.24	49.46	49.70	49.53	49.20	48.78	48.81	49.11	49.32
25	47.50	47.97	48.68	49.17	49.41	49.76	49.62	48.97	48.78	48.85	49.25	49.18
EOM	45.21	48.14	48.75	49.31	49.56	49.81	49.61	49.08	48.83	48.90	49.39	49.29

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., cased to 160 ft.

DATUM.--Elevation of land-surface datum is 5,175.11 ft above sea level. 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, 123.71 ft below land-surface datum, Sept. 3 1996.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	117.81	115.85	114.43	113.41	112.45	111.51	111.00	112.98	117.12	119.62	120.90	123.47
10	117.49	115.54	114.28	113.22	112.32	111.44	110.76	113.91	117.46	120.49	121.36	122.86
15	117.01	115.34	113.98	113.01	112.11	111.37	110.95	114.97	117.30	120.65	122.14	122.36
20	116.74	115.15	113.90	112.88	111.97	111.22	111.35	115.70	117.13	120.63	122.79	121.95
25	116.46	114.79	113.80	112.56	111.71	111.17	111.65	116.05	117.88	120.09	123.15	121.72
EOM	116.09	114.64	113.49	112.45	111.85	110.99	112.12	116.41	118.86	119.92	123.49	121.67

IRON COUNTY--Continued

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., cased to 380 ft.

DATUM.--Land-surface datum is 5,233.36 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--There are several nearby pumped wells. Records fair except for estimated days and for Aug. 19 to Sept. 30, 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, 193.28 ft below land-surface datum, Aug. 27, 1996.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	182.42	e180.40	178.86	177.58	176.59	175.19	174.62	181.69	183.60	189.44	187.59	188.53
10	182.04	e180.10	178.72	177.43	176.22	175.20	174.55	182.53	182.08	189.75	191.28	187.25
15	181.63	e179.90	178.34	177.10	176.07	175.13	174.77	183.32	184.03	187.84	191.47	189.06
20	181.38	e179.60	178.19	177.09	175.73	174.90	175.42	183.17	185.24	185.16	192.24	186.25
25	181.01	179.17	178.18	176.62	175.44	174.80	178.57	183.40	186.98	184.89	192.09	185.90
EOM	180.56	179.09	177.67	176.45	175.81	174.62	179.74	184.62	187.95	185.92	190.11	185.45

JUAB COUNTY

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 sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are fair.

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, 71.51 ft below land-surface datum, Aug. 27, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	63.87	63.56	62.78	62.33	62.08	61.68	61.54	61.31	62.86	63.01	63.30	64.06
10	63.76	63.37	62.73	62.27	61.97	61.71	61.36	61.59	62.96	62.90	63.49	64.05
15	63.85	63.30	62.59	62.19	61.94	61.68	61.35	62.01	63.10	62.87	63.69	64.01
20	64.13	63.19	62.54	62.19	61.81	61.61	61.32	62.36	63.12	62.94	63.82	64.03
25	63.78	62.97	62.54	62.01	61.72	61.59	61.35	62.42	63.15	63.02	64.04	64.08
EOM	64.01	62.89	62.33	62.01	61.87	61.53	61.27	62.24	63.11	63.16	64.23	64.45

KANE COUNTY

370915112341301. LOCAL NUMBER, (C-42-6)18cca-1

LOCATION.--Lat 37°09'15", long 112°34'13", Hydrologic Unit 15010003.

Owner: Kanab City.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in., cased to 560 ft.

DATUM.--Land-surface datum is 5,630.00 ft above sea level. Measuring point: Top of casing, l.6 ft above land-surface datum.

REMARKS.--Records good. Previously reported as 19baa-1, 370901112335001.

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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.93	164.80	164.75	164.71	165.04	164.49	164.94	164.69	164.70	164.66	164.54	164.45
10	164.99	164.53	164.91	164.82	164.81	164.85	164.56	164.80	164.63	164.74	164.62	164.66
15	164.90	164.87	164.71	164.72	164.77	164.71	164.80	164.57	164.60	164.68	164.71	164.40
20	164.94	164.92	164.63	164.68	164.50	164.79	164.68	164.57	164.55	164.70	164.59	164.65
25	164.82	164.76	165.01	164.46	164.27	164.56	164.72	164.49	164.52	164.69	164.52	164.49
EOM	164.61	164.78	164.53	164.50	164.84	164.78	164.71	164.68	164.76	164.60	164.46	164.56

e Estimated

370650112331002 . LOCAL NUMBER, (C-42-6)32cba-2.

LOCATION.--Lat 37°06'50", long 112°33'10" (revised), Hydrologic Unit 15010003.

Owner: Kanab City.

AQUIFER.--Consolidated Navajo Sandstone.

WELL CHARACTERISTICS.--Drilled well, diameter 6 in., cased to 230 ft.

DATUM.--Elevation of land-surface datum is 5,180.00 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good. Formerly published as 370523112334702, (C-42-6)30dcc-2.

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, l986; lowest, 67.33 ft below land-surface datum, Sept. 13, 1996.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	64.04	64.15	65.02	65.15	65.51	65.79	66.57	66.67	66.11	67.12	65.89	67.06
10	63.67	63.79	65.19	65.38	65.76	66.06	66.60	66.78	66.45	67.20	65.91	67.26
15	63.36	64.01	65.32	65.54	65.87	66.16	66.01	66.35	66.71	67.29	66.40	66.91
20	63.52	64.50	64.85	65.71	65.97	66.26	65.64	65.93	66.85	66.72	66.76	66.49
25	64.07	64.69	64.50	65.17	65.53	66.35	66.18	65.62	66.94	66.57	66.94	66.63
EOM	64.40	64.86	64.66	64.76	65.28	66.46	66.51	65.57	67.04	66.15	66.81	67.07

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.--Elevation of land-surface datum is 4,780 ft above sea level. Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are fair.

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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	118.79	116.90	115.46	114.16	113.30	112.74	112.95	112.39	112.59	112.67	112.46	112.95
10	118.36	116.67	115.30	114.06	113.14	112.92	112.56	112.62	112.52	112.69	112.56	113.27
15	118.12	116.60	115.07	113.69	113.03	112.91	112.64	112.42	112.54	112.77	112.57	118.44
20	117.92	116.32	114.96	113.64	112.82	113.00	112.56	112.61	112.59	112.81	112.58	119.07
25	117.42	e115.95	114.79	113.40	112.55	112.88	112.52	112.53	112.43	112.69	112.84	117.56
EOM	117.15	115.61	114.25	113.16	112.82	112.86	112.53	112.52	112.68	112.59	112.94	116.70

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.--Elevation of land-surface datum is 4,629 ft above sea level. 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 1995 TO SEPTEMBER1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.06	10.71	10.38	10.08	9.83	9.68	9.80	9.61	9.82	10.09	10.27	10.64
10	10.99	10.63	10.34	10.05	9.82	9.75	9.70	9.66	9.85	10.13	10.33	10.62
15	10.95	10.63	10.27	9.98	9.78	9.72	9.72	9.62	9.91	10.17	10.41	10.66
20	10.94	10.59	10.24	9.95	9.68	9.76	9.69	9.66	9.95	10.21	10.44	10.68
25	10.86	10.47	10.24	9.84	9.66	9.75	9.69	9.66	9.98	10.23	10.51	10.68
EOM	10.75	10.45	10.09	9.80	9.75	9.79	9.65	9.72	10.08	10.26	10.58	10.68

e Estimated

MILLARD COUNTY--Continued

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., hole depth 246 ft, cased to 220 ft.

DATUM.--Elevation of land-surface datum is 4,744.44 ft above sea level. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Records good except for Apr. 29 to May 20, which are fair, and 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.15	37.56	36.30	35.40	34.35	33.52	33.17	37.20	37.13	39.56	40.95	e40.90
10	38.83	37.33	36.18	35.19	34.16	33.39	33.01	37.90	36.98	39.65	41.27	e40.80
15	38.47	37.24	35.90	34.80	34.06	33.34	33.51	37.92	37.61	38.89	41.37	e40.70
20	38.28	37.12	35.82	34.68	33.83	33.18	34.18	38.00	38.43	38.84	e41.30	e40.60
25	38.06	36.64	35.81	34.24	33.66	33.17	34.70	e37.70	38.79	39.59	e41.20	e40.50
EOM	37.70	36.54	35.37	34.21	33.98	33.06	36.08	37.85	39.28	40.58	e41.00	e40.40

384906112330601. LOCAL NUMBER, (C-23-6)17baa-1.

LOCATION.--Lat 38°49'06", long 112°33'06", Hydrologic Unit 16030008 (revised).

Owner: Brandon George

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in., depth 262 ft, cased to 140 ft.

DATUM.--Elevation of land-surface datum is 4,710 (revised) ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

REMARKS.--No estimated daily values. Records good.

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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.22	36.93	36.59	36.44	36.31	35.97	35.98	38.15	39.96	42.27	43.98	43.30
10	37.82	36.88	36.60	36.39	36.23	36.05	36.58	38.39	40.75	42.10	44.10	43.35
15	37.51	36.85	36.51	36.30	36.21	36.04	37.07	38.39	40.52	43.83	43.18	40.85
20	37.35	36.83	36.52	36.35	36.09	35.96	37.46	38.49	42.88	43.38	42.84	39.77
25	37.20	36.65	36.56	36.16	35.99	35.97	37.74	39.79	42.12	42.42	41.12	39.85
EOM	37.01	36.66	36.39	36.20	36.20	35.92	37.93	40.70	41.59	42.36	41.89	39.23

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.--Elevation of land-surface datum is 4,461 ft sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	59.09	58.98	58.87	58.73	58.52	58.36	58.71	59.03	59.19	59.17	58.94	58.65
10	59.06	58.95	58.87	58.75	58.56	58.52	58.75	59.10	59.22	59.15	58.95	58.66
15	59.04	59.01	58.84	58.67	58.53	58.44	58.81	59.10	59.23	59.12	58.91	58.51
20	59.06	59.03	58.83	58.55	58.41	58.58	58.81	59.13	59.23	59.09	58.83	58.45
25	59.01	58.93	58.88	58.53	58.34	58.46	58.89	59.13	59.18	59.07	58.77	58.41
EOM	58.96	58.93	58.70	58.46	58.46	58.60	58.98	59.16	59.24	59.03	58.70	58.36

e Estimated

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 sea level. Measuring Point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 159.69 ft below land-surface datum, Jan. 17, 1996; lowest, 202.89 ft below land-surface datum, July 25, 1958.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	160.37	160.41	160.42	160.14	160.42	159.88	160.21	160.52	160.86	161.24	161.50	161.44
10	160.44	160.07	160.49	160.31	160.28	160.32	160.00	160.80	160.88	161.17	161.51	161.70
15	160.51	160.44	160.37	160.28	160.27	160.12	160.27	160.73	161.05	161.43	161.83	161.40
20	160.61	160.46	160.16	160.07	160.04	160.27	160.11	160.50	160.93	161.37	161.66	161.51
25	160.46	160.41	160.41	159.89	159.84	160.00	160.43	160.54	160.91	161.38	161.68	161.36
EOM	160.17	160.46	160.45	159.96	160.15	160.18	160.51	160.73	161.07	161.37	161.56	161.52

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.--Elevation of land-surface datum is 6,200 ft above sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	40.19	40.43	40.65	40.86	41.70	41.50	42.30	42.67	43.12	43.51	43.96	44.51
10	40.32	40.12	40.92	41.13	41.53	42.06	42.08	42.77	43.17	43.64	44.22	44.80
15	40.41	40.57	40.79	41.15	41.59	41.90	42.46	42.70	43.30	43.66	44.31	44.67
20	40.48	40.66	40.70	41.00	41.42	42.15	42.31	42.69	43.29	43.81	44.37	45.01
25	40.41	40.64	41.07	40.84	41.29	41.97	42.42	42.79	43.30	43.90	44.44	44.93
EOM	40.16	40.66	40.62	41.06	41.30	42.21	42.58	42.96	43.62	43.99	44.44	45.26

TOOELE COUNTY

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 l75 ft, perforated 115-175 ft.

DATUM.--Elevation of land-surface datum is 4,850 ft above sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e78.44	77.87	77.32	76.96	e76.63	76.14	76.08	75.88	76.38	77.44	78.44	79.30
10	e78.44	77.83	77.26	e76.89	e76.58	76.19	75.80	76.02	e76.63	77.57	78.57	79.53
15	78.33	77.73	77.16	e76.83	e76.53	76.16	75.84	75.98	e76.78	77.70	78.76	79.57
20	78.39	77.68	77.14	e76.78	e76.49	76.10	75.84	76.14	76.84	77.95	78.91	79.48
25	78.22	77.45	77.13	e76.74	e76.44	76.12	75.97	76.19	77.09	78.14	79.13	79.55
EOM	78.00	77.43	76.91	e76.67	76.41	76.00	75.88	76.23	77.34	78.33	79.15	79.36

eEstimated

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 sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.20	6.09	6.09	6.30	6.18	5.95	6.11	6.54	5.81	6.26	6.86	7.46
10	6.22	6.08	6.12	6.33	6.16	5.82	6.23	6.28	5.85	6.29	7.02	7.36
15	6.19	6.08	6.09	6.29	6.17	5.75	6.23	6.03	5.86	6.62	7.08	6.98
20	6.21	6.09	6.15	6.25	5.98	5.98	6.27	5.94	5.98	6.74	7.08	6.74
25	6.12	6.11	6.29	6.19	5.92	5.99	6.37	5.77	6.02	6.89	7.23	6.78
EOM	6.10	6.12	6.33	6.18	6.05	6.05	6.43	5.74	6.01	6.70	7.27	6.77

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 sea level. 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, 108.52 ft below land-surface datum, Feb. 14, 1995; lowest, 141.41 ft below land-surface datum, Aug. 15, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	108.96	108.94	108.96	108.87	108.78	108.64	108.75	108.67	108.81	108.88	108.88	108.84
10	108.98	108.92	108.95	108.89	108.76	108.77	108.67	108.69	108.82	108.91	108.96	108.97
15	108.98	108.98	108.87	108.83	108.78	108.69	108.71	108.67	108.79	108.92	108.98	108.89
20	108.97	108.98	108.86	108.77	108.63	108.77	108.66	108.68	108.81	108.91	108.95	109.04
25	108.93	108.92	108.97	108.69	108.59	108.65	108.73	108.69	108.77	108.93	108.92	109.03
EOM	108.88	108.96	108.91	108.65	108.69	108.68	108.75	108.71	108.89	108.93	108.85	109.04

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.--Elevation of land-surface datum is 4,555.03 ft above sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.31	14.84	13.79	12.49	12.12	12.39	11.95	e13.34	15.99	19.05	e20.61	21.22
10	15.73	14.80	13.56	12.82	12.48	12.28	13.22	e13.62	17.65	18.08	e20.93	22.41
15	15.85	14.21	13.11	12.53	12.67	12.10	12.76	e13.89	18.53	19.49	e21.25	20.55
20	16.70	13.90	13.00	12.20	12.15	11.86	e12.52	e14.16	19.89	e19.59	21.42	19.11
25	15.80	14.12	13.03	12.28	12.37	11.80	e12.79	e14.44	18.85	e19.91	21.42	18.69
EOM	14.80	13.80	12.68	12.46	11.91	11.88	e13.06	14.27	19.05	e20.29	21.14	19.10

e Estimated

403146111272701. LOCAL NUMBER, (D-3-4)26dba-1.

LOCATION.--Lat 40°31'46", long 111°27'27". Hydrologic Unit 16020203.

Owner: Leroy Kohler.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 48 in, depth 19 ft.

DATUM.--Elevation of land-surface datum is 5,580 ft above sea level. Measuring point: Top of wood covering well, 11.60 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.22 ft below land-surface datum, July 06, 1989; lowest, 17.16 ft below land-surface datum Feb. 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	13.90	MAR 20, 1996	13.74	JUL 19, 1996	12.31
NOV 21, 1995	14.29	APR 23, 1996	14.59	AUG 23, 1996	12.81
JAN 02, 1996	15.02	MAY 23, 1996	13.05	SEP 25, 1996	12.93
FEB 14, 1996	15.64	JUN 19, 1996	12.57		

403403111253501. LOCAL NUMBER, (D-3-5)7cdb-1.

LOCATION.--Lat 40°34'03", long 111°25'35", Hydrologic Unit 16020203.

Owner: Glade Givens.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 4 in., depth 88 ft.

DATUM.--Elevation of land-surface datum is 5,759 ft above sea level. Measuring point: So. edge of opening above well at east corner, 3.65 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1966 to September 1968, July 1988 to July 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.05 below land-surface datum, June 28, 1993; lowest, 23.89 ft below land-surface datum, Mar. 20, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	4.24	MAR 20, 1996	2.55	JUL 19, 1996	4.20
NOV 21, 1995	3.77	APR 23, 1996	3.11	AUG 23, 1996	5.55
JAN 02, 1996	5.19	MAY 23, 1996	3.11	SEP 25, 1996	5.35
FEB 14, 1996	4.40	JUN 19, 1996	3.97		

403325111254601. LOCAL NUMBER, (D-3-5)18cba-1.

LOCATION.--Lat 40°33'25", long 111°25'46", Hydrologic Unit 16020202.

Owner: North Orem LDS Stake.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,700 ft above sea level. Measuring point: Top of plug hole in cap, 2.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.97 ft below land-surface datum, June 19,1996; lowest, 28.24 ft below land-surface datum, Aug. 02, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	13.46	MAR 20, 1996	15.73	JUL 19, 1996	16.59
NOV 21, 1995	15.76	APR 23, 1996	13.73	AUG 23, 1996	17.91
JAN 02, 1996	18.02	MAY 23, 1996	13.70	SEP 25, 1996	11.64
FEB 14, 1996	19.27	JUN 19, 1996	9.97		

403305111251901. LOCAL NUMBER, (D-3-5)18dcc-1.
LOCATION.--Lat 40°33'05", long 111°25'19", Hydrologic Unit 16020203.
Owner: Hugh Smith.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISITCS.--Diameter 8 in., depth 243 ft.
DATUM.--Elevation of land-surface datum is 5,695 ft above sea level. Measuring point: Top of casing, 2.45 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1988 to August 1989, April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.41 ft below land-surface datum, June 01, 1989; lowest, 99.62 ft below land-surface datum, Apr. 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	96.15	MAR 20, 1996	97.51	JUL 19,1996	90.16
NOV 29, 1995	97.67	APR 23, 1996	97.52	AUG 23,1996	90.75
JAN 02, 1996	98.70	MAY 23, 1996	90.07	SEP 25,1996	91.35
FEB 14, 1996	99.05	JUN 19, 1996	89.69		

403243111252701. LOCAL NUMBER, (D-3-5)19bdd-2.
LOCATION.--Lat 40°32'43", long 111°25'27", Hydrologic Unit 16020203.
Owner: Melvin C. Cummings.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 5 in., depth 120 ft.
DATUM.--Elevation of land-surface datum is 5,654 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--June 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.66 ft below land-surface datum, May 10, 1994; lowest, 23.87 ft below land-surface datum, Feb. 13, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	18.02	MAR 20, 1996	20.06	JUL 19, 1996	15.69
NOV 21, 1995	18.08	APR 23, 1996	21.73	AUG 23, 1996	16.35
JAN 02, 1996	21.38	MAY 23, 1996	15.80	SEP 25, 1996	16.14
FEB 13, 1996	23.87	JUN 19, 1996	15.55		

403127111240301. LOCAL NUMBER, (D-3-5)29cac-1.
LOCATION.--Lat 40°31'27", long 111°24'03", Hydrologic Unit 16020203.
Owner: Leslie North.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Dug domestic water-table well, diameter 4 ft., depth 15 ft, rock lined.
DATUM.--Elevation of land-surface datum is 5,608 ft above sea level. Measuring point: Top of concrete platform,
REMARKS.--Records good.
PERIOD OF RECORD.--October 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.18 ft below land-surface datum, Sept. 13, 1974; lowest, 11.14 ft below land-surface datum, Mar. 31, 1992.

.WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	5.16	MAR 21, 1996	8.54	JUL 19, 1996	1.97
NOV 29, 1995	7.74	APR 23, 1996	9.44	AUG 23, 1996	2.44
JAN 03, 1996	9.75	MAY 23, 1996	2.50	SEP 25, 1996	4.50
FEB 14, 1996	10.10	JUN 19, 1996	2.00		

403149111255601. LOCAL NUMBER, (D-3-5)30bcc-1.
LOCATION.--Lat 40°31'49", long 111°25'56", Hydrologic Unit 16020203.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 6.5 ft.
DATUM.--Elevation of land-surface datum is 5,594 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1988 to August 1989, April 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.21 ft below land-surface datum, June 28, 1993; lowest, 3.10 ft below land-surface datum, Oct. 24, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	3.10	MAR 20, 1996	0.28	JUL 19, 1996	1.90
NOV 21, 1995	2.87	APR 23, 1996	1.80	AUG 23, 1996	0.90
JAN 02, 1996	2.61	MAY 23, 1996	1.44	SEP 25, 1996	2.38
FEB 13, 1996	2.35	JUN 19, 1996	2.13		

403004111280301. LOCAL NUMBER, (D-4-4)2bcd-1.
LOCATION.--Lat 40°30'04", long 111°28'03", Hydrologic Unit 16020203.
Owner: E. Dealton Partridge.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., depth 105 ft.
DATUM.--Elevation of land-surface datum is 5,500 ft above sea level.Measuring point: Top of cap on casing, 5.00 ft below land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--April 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.91 ft below land-surface datum, June 05, 1995; lowest, 51.59 ft below land-surface datum, Feb. 14, 1996.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	48.91	MAR 21, 1996	50.04	JUL 19, 1996	47.47
NOV 29, 1995	50.22	APR 23, 1996	51.20	AUG 23, 1996	47.64
JAN 03, 1996	51.22	MAY 23, 1996	48.57	SEP 25, 1996	46.46
FEB 14, 1996	51.59	JUN 19, 1996	47.13		

402937111283501. LOCAL NUMBER, (D-4-4)3dcd-1.
LOCATION.--Lat 40°29'37", long 111°28'35", Hydrologic Unit 16020203.
Owner: Pride Lane Farm.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,475 ft above sea level. Measuring point: Top of casing, 0.41 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.12 ft below land-surface datum, July, 05 1995; lowest, 13.70 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	11.07	MAR 20, 1996	13.19	JUL 19, 1996	9.12
NOV 29, 1995	12.37	APR 23, 1996	12.04	AUG 23, 1996	9.72
JAN 03, 1996	13.16	MAY 23, 1996	11.45	SEP 25, 1996	9.07
FEB 13, 1996	13.58	JUN 19, 1996	8.72		

402902111282001. LOCAL NUMBER, (D-4-4)10daa-1.
LOCATION.--Lat 40°29'02", long 111°28'20", Hydrologic Unit 16020203.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 65 ft.
DATUM.--Elevation of land-surface datum is 5,430 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--November 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.81 ft below land-surface datum, June 28, 1993; lowest, 3.99 ft below land-surface datum, Aug. 2, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	3.30	MAR 20, 1996	2.84	JUL 19, 1996	1.82
NOV 21, 1995	3.37	APR 23, 1996	3.31	AUG 23, 1996	3.10
JAN 02, 1996	3.53	MAY 23, 1996	2.68	SEP 25, 1996	3.04
FEB 13, 1996	3.47	JUN 19, 1996	1.30		

402842111263101. LOCAL NUMBER, (D-4-4)12dcc-1.
LOCATION.--Lat 40°28'42", long 111°26'31", Hydrologic Unit 16020203.
Owner: Heber Valley Special Services Dist.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,545 ft above sea level. Measuring point: Top of concrete walkway at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--September 1949 to October 1950, July 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.00 ft below land-surface datum, July 03, 1950; lowest, 70.31 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	45.20	MAR 20, 1996	65.32	AUG 23, 1996	37.92
NOV 29, 1995	56.79	APR 23, 1996	54.91	SEP 25, 1996	45.47
JAN 03, 1996	61.87	MAY 23, 1996	37.52		
FEB 13, 1996	65.17	JUL 19, 1996	37.13		

402809111281601. LOCAL NUMBER, (D-4-4)15daa-1.
LOCATION.--Lat 40°28'09", long 111°28'16", Hydrologic Unit 16020203.
Owner: Verlo E. Kendrick.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Depth 28 ft.
DATUM.--Elevation of land-surface datum is 5,430 ft above sea level. Measuring point: Top of casing, 0.0 ft at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July to September 1988, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.21 ft below land-surface datum, June 28, 1993, June 19, 1996; lowest, 18.88 ft below land-surface datum, Sept. 08, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	15.54	APR 23, 1996	16.34	JUL 19, 1996	6.04
NOV 21, 1995	16.28	MAY 23, 1996	10.92	AUG 23, 1996	9.35
MAR 20, 1996	16.01	JUN 19, 1996	3.21	SEP 25, 1996	14.14

402753111282001. LOCAL NUMBER, (D-4-4)15ddd-3.
LOCATION.--Lat 40°27'53", long 111°28'20", Hydrologic Unit 16020202.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 30 ft.
DATUM.--Elevation of land-surface datum is 5,420 ft above sea level. Measuring point: Top of casing, 2.60 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.70 ft above land-surface datum, June 28, 1993, July 05, 1995; lowest, 17.22 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	-10.94	MAR 20, 1996	-8.84	JUL 19, 1996	0.76
NOV 21, 1995	-10.88	APR 23, 1996	-7.82	AUG 23, 1996	-5.25
JAN 02, 1996	-10.30	MAY 23, 1996	-4.08	SEP 25, 1996	-10.05
FEB 13, 1996	-9.87	JUN 19, 1996	2.51		

402742111281501. LOCAL NUMBER, (D-4-4)23bbb-2.
LOCATION.--Lat 40°27'42", long 111°28'15", Hydrologic Unit 16020203.
Owner: Shirley Lewis.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 36 in., depth 25 ft.
DATUM.--Elevation of land-surface datum is 5,426 ft above sea level. Measuring point: Top of sandstone slab over well, at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.68 ft below land-surface datum, June 28, 1993; lowest, 23.37 ft below land-surface datum, Feb. 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24, 1995	19.19	MAR 20, 1996	17.87	JUL 19, 1996	6.73
NOV 29, 1995	20.15	APR 23, 1996	17.94	AUG 23, 1996	13.48
JAN 02, 1996	20.83	MAY 23, 1996	8.93	SEP 25, 1996	17.91
FEB 13, 1996	20.80	JUN 19, 1996	7.31		

402937111214901. LOCAL NUMBER, (D-4-5)3dcc-1.
LOCATION.--Lat 40°29'37", long 111°21'49", Hydrologic Unit 16020203.
Owner: Brad Baird.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., depth 75 ft.
DATUM.--Elevation of land-surface datum is 5,880 ft above sea level.Measuring point:Top of casing, 1.60 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1988 to August 1989, June 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.66 ft below land-surface datum, July 19, 1996; lowest, 35.42 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	23.59	MAR 21, 1996	29.95	AUG 23, 1996	17.77
NOV 29, 1995	29.16	MAY 24, 1996	17.95	SEP 25, 1996	22.84
JAN 03, 1996	32.81	JUN 19, 1996	17.82		
FEB 15, 1996	31.32	JUL 19, 1996	14.66		

403003111255801. LOCAL NUMBER, (D-4-5)6bcc-2.

LOCATION.--Lat 40°30'03", long 111°25'58", Hydrologic Unit 16020203.
Owner: Erma Moulton.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,530 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.00 ft below land-surface datum, July 19, 1996; lowest, 37.48 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	18.97	MAR 20, 1996	32.75	JUL 19, 1996	4.00
NOV 21, 1995	22.70	APR 23, 1996	31.29	AUG 23, 1996	4.51
JAN 03, 1996	27.61	MAY 23, 1996	21.41	SEP 25, 1996	16.10
FEB 13, 1996	31.79	JUN 19 1996	4.59		

402856111252701. LOCAL NUMBER, (D-4-5)7cad-1.

LOCATION.--Lat 40°28'56", long 111°25'27", Hydrologic Unit 16020203.
Owner: Heber City Corp. (Airport)
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., depth 155 ft.
DATUM.--Elevation of land-surface datum is 5,615 ft above sea level. Measuring point: Top of well cover, 8.0 ft below land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--June 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 60.23 ft below land-surface datum, Aug. 10, 1995; lowest, 117.45 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	79.24	MAR 20, 1996	109.34	JUL 19, 1996	60.88
NOV 29, 1995	88.27	APR 23, 1996	107.40	AUG 23, 1996	63.04
JAN 02, 1996	96.58	MAY 23, 1996	85.70	SEP 25, 1996	72.57
FEB 13, 1996	111.79	JUN 19, 1996	68.01		

402834111202601. LOCAL NUMBER, (D-4-5)14aac-1.

LOCATION.--Lat 40°28'34", Long 111°20'26", Hydrologic Unit 16020203.
Owner: Sweat
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., depth 104 ft.
DATUM.--Elevation of land-surface datum is 6,020 ft above sea level. Measuring point: Lip of access hole, 2.47 ft below land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.63 ft below land-surface datum, July 6, 1989; lowest, 11.82 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	11.16	MAR 21, 1996	10.52	JUL 19, 1996	9.27
NOV 29, 1995	11.50	APR 23, 1996	8.47	AUG 23, 1996	8.86
JAN 03, 1996	11.57	MAY 24, 1996	8.93	SEP 25, 1996	10.15
FEB 16, 1996	11.63	JUN 19, 1996	9.45		

402840111213801. LOCAL NUMBER, (D-4-5)15aab-1.

LOCATION.--Lat 40°28'40", long 111°21'38", Hydrologic Unit 16020203.

Owner: Doyle Sweat.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,900 ft above sea level. Measuring point: Lip of plug hole, 1.06 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to May 1990, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.00 ft below land-surface datum, May 28, 1990; lowest, 22.62 ft below land-surface datum, Aug. 02, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	17.13	MAR 21, 1996	17.52	JUL 19, 1996	18.30
NOV 29, 1995	17.70	APR 23, 1996	18.43	AUG 23, 1996	19.38
JAN 03, 1996	17.91	MAY 24, 1996	17.69	SEP 25, 1996	19.97
FEB 15, 1996	19.29	JUN 19, 1996	18.36		

402839111221101. LOCAL NUMBER, (D-4-5)15bab-1.

LOCATION.--Lat 40°28'39", long 111°22'11", Hydrologic Unit 16020203.

Owner: Theon Sweat.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 165 ft.

DATUM.--Elevation of land-surface datum is 5,850 ft above sea level. Measuring point: Lip of access hole, 5.90 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 120.72 ft below land-surface datum, June 19, 1996; lowest, 135.73 ft below land-surface datum, Oct. 06, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	123.52	MAR 21, 1996	129.88	JUL 19, 1996	122.57
NOV 29, 1995	127.13	APR 23, 1996	125.50	AUG 23, 1996	125.15
JAN 03, 1996	126.75	MAY 24, 1996	123.90	SEP 25, 1996	127.09
FEB 15, 1996	129.14	JUN 19, 1996	120.72		

402750111232701. LOCAL NUMBER, (D-4-5)16ccd-1.

LOCATION.--Lat 40°27'50", long 111°23'27", Hydrologic Unit 16020203.

Owner: Blaine Webster.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,850 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 75.93 ft below land-surface datum, Sept. 25, 1996; lowest, 95.16 ft below land-surface datum, Dec. 08, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1995 TO SEPTEMBER 1996

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25, 1995	88.65	APR 23, 1996	77.60	AUG 23, 1996	89.23
NOV 29, 1995	87.97	MAY 23, 1996	88.46	SEP 25, 1996	75.93
JAN 03, 1996	94.21	JUN 19, 1996	89.25		
MAR 21, 1996	92.23	JUL 19, 1996	92.08		

372708113164201. Local Number, (C-38-13)35abb-1.

LOCATION.--Lat 37°27'06", long 113°16'42", Hydrologic Unit 15010008.

Owner: LDS Church

AQUIFER.--Pine Valley Latite.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in., depth 370 ft.

DATUM.--Elevation of land-surface datum is 5,040.00 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.-- No estimated daily records for 1995 water year; records good. Water levels for 1995 water year not previously published. Records good for 1996 water year except those for estimated record from Aug. 13-29 and Sept. 27-30, which are poor.

PERIOD OF RECORD.--July 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 80.51 ft below land-surface datum July 18, 1995; lowest, 99.96 ft below land-surface datum measured on Aug. 28, 1996.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	---	82.07	84.10
10	---	---	---	---	---	---	---	---	---	---	83.02	84.62
15	---	---	---	---	---	---	---	---	---	---	83.56	85.62
20	---	---	---	---	---	---	---	---	---	80.54	83.60	86.34
25	---	---	---	---	---	---	---	---	---	80.62	83.76	86.75
EOM	---	---	---	---	---	---	---	---	---	81.33	83.92	87.23

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.30	87.38	86.99	87.62	86.81	88.17	89.89	91.45	92.56	94.61	96.73	98.90
10	87.26	87.25	87.35	87.46	86.98	88.44	90.11	91.56	93.06	95.50	96.91	98.55
15	87.18	87.40	87.36	87.53	87.48	88.61	90.58	92.07	93.35	95.74	e97.40	98.43
20	87.31	87.28	87.69	87.24	87.77	88.87	90.90	92.29	93.58	96.11	e98.20	98.51
25	87.44	87.28	87.82	86.69	87.72	89.12	91.07	92.42	93.80	96.30	e98.90	98.52
EOM	87.37	87.20	87.82	86.41	88.05	89.59	91.26	92.60	94.14	96.53	99.26	e98.80

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., cased to 150 ft.

DATUM.--Elevation of land-surface datum is 2,678.00 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.-- No estimated daily values. Records good. Water levels for 1995 water year were not previously published.

PERIOD OF RECORD.--September 1985 to January 1996 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.80 ft below land-surface datum, Dec. 31 1995; lowest, 43.73 ft below land-surface datum, Sept. 5, 21, 1990

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.09	41.42	41.22	40.20	40.84	40.88	39.68	39.51	39.17	39.76	40.08	40.05
10	41.16	41.21	41.21	40.46	40.77	40.68	39.75	39.56	39.38	39.77	40.13	39.74
15	41.10	41.26	41.20	40.47	40.89	40.37	39.64	39.49	39.33	39.85	40.19	39.55
20	41.33	41.30	40.89	40.65	40.91	40.08	39.58	39.47	39.41	39.92	40.23	39.60
25	41.33	41.17	40.56	40.64	40.92	39.98	39.50	39.45	39.49	39.97	40.02	39.45
EOM	41.44	41.29	40.41	40.79	40.94	39.81	39.55	39.24	39.63	40.09	39.96	39.49

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.49	39.23	38.98	---	---	---	---	---	---	---	---	---
10	39.36	39.09	39.03	---	---	---	---	---	---	---	---	---
15	39.35	39.13	38.95	---	---	---	---	---	---	---	---	---
20	39.35	39.11	38.90	---	---	---	---	---	---	---	---	---
25	39.39	39.00	38.93	---	---	---	---	---	---	---	---	---
EOM	39.30	38.99	38.80	---	---	---	---	---	---	---	---	---

e Estimated

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 sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.71	21.14	20.20	18.95	19.73	20.82	20.81	21.43	16.09	18.20	22.31	22.24
10	22.30	21.89	19.29	18.96	20.79	21.67	21.18	21.45	16.59	16.87	23.48	25.16
15	21.98	21.19	19.03	19.24	21.23	20.93	20.42	20.13	16.73	18.62	24.51	26.37
20	21.24	20.33	19.02	18.86	20.68	20.59	20.59	18.58	16.81	16.59	25.08	25.25
25	20.89	19.42	19.07	18.99	20.49	20.38	20.78	16.34	15.51	19.01	24.84	26.13
EOM	19.63	19.30	18.95	18.93	20.65	21.35	20.40	15.62	17.35	19.33	25.91	26.05

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 sea level. 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 1995 TO SEPTEMBER 1996
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.55	10.52	9.64	8.82	e7.97	7.35	6.85	6.45	7.11	9.43	11.62	12.62
10	11.44	10.30	9.53	8.74	7.85	7.35	6.74	6.43	7.31	9.85	11.93	12.76
15	11.31	10.12	9.40	8.60	7.81	7.18	6.71	6.45	7.59	10.24	12.14	12.84
20	11.17	10.00	9.31	e8.42	7.66	7.13	6.56	6.53	8.06	10.54	12.25	12.81
25	10.98	9.88	9.23	e8.27	7.53	6.98	6.52	6.77	8.51	10.91	12.38	12.61
EOM	10.69	9.76	8.96	e8.11	7.49	6.89	6.49	6.89	9.01	11.34	12.52	12.39

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						
382924112592901	(C-28-10) 5add- 1	100VLFL	305.00	08-22-96	890	7.7	17.0	270	67	26
382336112592601	(C-28-10) 8add- 2	100VLFL	200.00	08-07-96	830	7.6	16.0	260	68	23
382313113020901	(C-28-11)12dbc- 2	100VLFL	460.00	08-07-96	2160	7.2	17.5	--	--	--
382020113015701	(C-28-11)25dcd- 1	100VLFL	431.00	08-07-96	2160	7.7	16.0	--	--	--
381625112412901	(C-29- 7)19bcd- 1	100VLFL	256.00	07-30-96	500	--	13.0	--	--	--
381516112422201	(C-29- 8)25cac- 1	100VLFL	250.00	07-30-96	305	--	20.0	--	--	--
381435112471401	(C-29- 8)31add- 1	100VLFL	310.00	07-30-96	770	--	14.0	260	74	19
381835113000001	(C-29-10) 5cdd- 2	100VLFL	95.00	08-07-96	1070	7.8	14.0	490	150	29
381714113003401	(C-29-10)18daa- 1	100VLFL	298.00	08-07-96	620	7.4	18.0	270	81	16
381901113014101	(C-29-11) 1add- 1	100VLFL	64.00	08-07-96	740	7.6	17.0	--	--	--
381700113033401	(C-29-11)14cdb- 1	100VLFL	--	08-22-96	460	8.1	19.0	--	--	--
381543113035501	(C-29-11)27aad- 1	100VLFL	204.00	08-07-96	810	7.4	18.5	--	--	--
				BOX ELDER COUNTY						
412214112023301	(B- 7- 2) 2cba- 5	100VLFL	342.00	07-17-96	290	7.8	14.0	--	--	--
412405112022501	(B- 8- 2)26bcd- 1	100VLFL	118.00	07-17-96	195	7.5	15.5	32	6.5	3.9
413057112023901	(B- 9- 2)15daa- 1	100VLFL	465.00	07-17-96	630	8.6	17.0	--	--	--
413300113543001	(B-10-18)33aaa- 1	100VLFL	84.00	07-18-96	1820	7.8	15.5	630	180	44
413806113543401	(B-11-18)33adb- 1	100VLFL	200.00	07-18-96	1060	7.7	11.5	370	100	28
414811113081701	(B-12-11) 6aba- 1		150.00	07-18-96	1070	--	16.5	--	--	--
414710113071601	(B-12-11) 8abb- 1		275.00	07-18-96	3240	7.4	14.5	1100	330	77
415800112462601	(B-14- 8) 5cdd- 1		180.00	07-16-96	1950	--	16.5	--	--	--
415828112472601	(B-14- 8) 6acd- 1		460.00	07-17-96	1740	--	20.5	--	--	--
415847112540401	(B-14- 9) 5bbb- 1	100VLFL	300.00	07-16-96	950	7.9	17.5	--	--	--
415635112533001	(B-14- 9)17caa- 1		608.00	07-19-96	3080	--	18.5	--	--	--
415845112562201	(B-14-10) 1bbb- 1	100VLFL	414.00	07-16-96	600	7.7	15.5	--	--	--
415654112573301	(B-14-10)14bbc- 1	100VLFL	840.00	07-17-96	1330	--	23.5	--	--	--
415622112573601	(B-14-10)15dda- 1	100VLFL	840.00	07-19-96	1040	--	19.0	--	--	--
415927112543801	(B-15- 9)31abc- 1	100VLFL	407.00	07-16-96	820	--	17.5	--	--	--
415918112530801	(B-15- 9)32dab- 1		400.00	07-16-96	4400	--	21.0	--	--	--
415908112484801	(B-15- 9)36cad- 1		255.00	07-17-96	1630	--	20.5	--	--	--
				CACHE COUNTY						
413623111495601	(A-10- 1)16add- 2		--	07-02-96	325	8.2	14.5	--	--	--
414143111495501	(A-11- 1)15bcb- 1		230.00	07-02-96	455	--	14.0	--	--	--
				DAVIS COUNTY						
405535111525101	(A- 2- 1) 7aba- 4	100VLFL	450.00	07-16-96	280	7.6	19.5	--	--	--
405351111540803	(B- 2- 1)24bad- 3	100VLFL	386.00	07-16-96	475	7.9	16.5	--	--	--
410340112030001	(B- 4- 2)27aba- 1		304.00	07-16-96	600	8.1	15.0	--	--	--
410354112135201	(B- 4- 3)19caa- 1		430.00	07-17-96	1260	8.0	--	150	45	10
410830111585101	(B- 5- 1)29bdc- 1		627.00	07-30-96	630	7.5	12.0	270	78	19
				DUCHESNE COUNTY						
402114110003301	U (C- 1- 1)33bcc- 1		220.00	06-25-96	1630	7.8	12.5	690	200	46
402246110061501	U (C- 1- 2)22cbb- 1	123DCRV	810.00	06-26-96	420	7.6	12.5	--	--	--
402319110025601	U (C- 1- 2)24aaa- 1		260.00	06-26-96	365	7.7	13.0	--	--	--
402135110051901	U (C- 1- 2)27ddc- 1		420.00	06-26-96	360	7.7	13.0	--	--	--
402116110030801	U (C- 1- 2)36adc- 1		170.00	06-25-96	335	7.6	11.5	--	--	--
402130110231301	U (C- 1- 4)31bbb- 1		--	08-08-96	730	7.5	13.0	--	--	--
402119110204201	U (C- 1- 4)33bdb- 1		--	08-08-96	3090	6.9	12.0	--	--	--
402103110235601	U (C- 1- 5)36caa- 1		--	08-08-96	1760	7.2	13.0	--	--	--
401940110023601	U (C- 2- 1) 7bbd- 1		820.00	06-25-96	580	8.0	12.5	--	--	--
401919109593201	U (C- 2- 1) 9dad- 1	123DCRV	740.00	06-25-96	750	9.3	15.5	--	--	--
		123DCRV	740.00	10-26-95	740	--	13.5	--	--	--
401823109590401	U(C- 2- 1)15cac- 1	124UINT	600.00	06-25-96	570	9.1	15.0	--	--	--
401946110044601	U(C- 2- 2)11bab- 1	123DCRV	666.00	06-26-96	370	7.8	14.0	--	--	--
401819110041601	U(C- 2- 2)14ddb- 1		465.00	06-26-96	410	7.8	13.5	--	--	--

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)
					BEAVER COUNTY							
66	2.9	107	110	150	0.30	24	513	0.700	<0.010	6.0	<1.0	--
69	3.9	164	150	75	0.60	37	529	0.930	<0.010	9.0	<1.0	226
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67	5.7	295	57	44	0.70	51	502	1.50	0.070	<3.0	1.0	146
38	6.8	339	110	86	0.30	38	679	4.00	0.030	8.0	<1.0	123
21	4.9	159	69	61	0.40	36	396	2.50	0.050	10	<1.0	41
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					BOX ELDER COUNTY							
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27	6.7	75	8.2	10	0.10	14	124	0.550	0.100	5.0	3.0	33
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110	9.4	236	180	320	0.30	45	1040	1.10	<0.010	11	5.0	211
65	7.1	279	90	100	0.40	41	607	1.80	0.020	4.0	<1.0	175
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140	10	142	53	830	0.10	23	1560	2.90	<0.010	17	<3.0	107
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					CACHE COUNTY							
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					DAVIS COUNTY							
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180	4.1	145	9.8	280	0.70	40	657	0.090	<0.010	67	97	109
25	2.6	279	19	21	0.10	12	345	0.170	0.030	10	2.0	58
					DUCHESNE COUNTY							
100	3.2	113	840	0.60	1.5	7.5	1270	0.060	<0.010	1400	45	116
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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)
				DUCHESNE COUNTY--Continued						
401957110231701	U (C- 2- 4) 6ccb- 1		29.00	06-27-96	830	7.7	11.5	--	--	--
402011110260901	U (C- 2- 5) 3bdd- 1		--	08-08-96	270	8.0	10.0	--	--	--
401613110260701	U (C- 2- 5)34abb- 1		148.00	06-28-96	970	8.9	12.0	--	--	--
401611110251502	U (C- 2- 5)35bab- 1		120.00	06-26-96	970	8.9	12.0	--	--	--
401030110225701	U (C- 3- 4)31cab- 1	112OTSH	70.00	08-08-96	680	7.4	14.5	--	--	--
401012110292101	U(C- 3- 5)31dcd- 1	124UINT	200.00	06-26-96	1860	9.3	13.5	--	--	--
401124110305501	U(C- 3- 6)25cab- 1		120.00	06-27-96	900	9.4	11.0	--	--	--
			120.00	08-08-96	910	9.4	13.0	--	--	--
				IRON COUNTY						
375257112483501	(C-33- 8)31ccc- 1	100VLFL	450.00	08-01-96	495	--	13.5	--	--	--
375320112510003	(C-33- 9)35acd- 3	100VLFL	880.00	08-05-96	455	--	15.5	--	--	--
375151112525002	(C-34- 9) 9bbd- 2	100VLFL	324.00	07-31-96	510	--	12.5	--	--	--
374834113384301	(C-34-16)28dcc- 2	100VLFL	148.00	08-06-96	1170	7.5	13.5	460	140	26
374753113464601	(C-34-17)32cca- 1	100VLFL	306.00	08-06-96	570	7.6	20.0	--	--	--
374619113053101	(C-35-11) 9dba- 1	100VLFL	--	07-31-96	660	--	17.5	--	--	--
374550113040601	(C-35-11)11ccc- 1	100VLFL	263.00	07-31-96	910	--	15.0	430	83	55
374248113075201	(C-35-11)31dbb- 1	100VLFL	--	08-05-96	720	--	15.5	--	--	--
374649113305801	(C-35-15) 3dcc- 3		316.00	08-06-96	2680	7.9	14.5	1200	280	120
374623113381301	(C-35-16) 9add- 1	100VLFL	150.00	08-07-96	540	7.6	13.0	--	--	--
374412113384503	(C-35-16)21dcc- 3	100VLFL	300.00	08-07-96	430	7.9	14.5	--	--	--
374105113085001	(C-36-12)12dba- 1	100VLFL	600.00	08-05-96	570	--	14.5	--	--	--
374209113322203	(C-36-15) 4bad- 3	100VLFL	320.00	08-06-96	750	7.8	22.0	--	--	--
374040113343102	(C-36-15) 7cdd- 2		500.00	08-06-96	1010	7.9	25.0	--	--	--
374014113391101	(C-36-16) 9bcd- 2	100VLFL	--	08-07-96	460	7.7	15.0	--	--	--
373854113411501	(C-36-16)19abb- 1	100VLFL	352.00	08-07-96	475	7.8	12.0	--	--	--
373656113415201	(C-36-17)36aad- 1	100VLFL	363.00	08-07-96	480	7.5	11.5	--	--	--
373542113122401	(C-37-12) 9acc- 1	100VLFL	186.00	08-05-96	370	--	17.0	--	--	--
373407113100801	(C-37-12)23acb- 1	100VLFL	250.00	07-31-96	640	--	16.5	--	--	--
373236113111401	(C-37-12)34abb- 1	100VLFL	190.00	07-31-96	800	--	13.5	--	--	--
				JUAB COUNTY						
394545111531001	(C-12- 1)24baa- 1	100VLFL	66.00	07-31-96	1260	7.5	12.5	360	88	35
394215111530501	(C-13- 1) 1cdd- 1		150.00	07-29-96	1020	7.6	11.5	--	--	--
393249111532601	(C-14- 1)35ddb- 1	100VLFL	--	07-30-96	1150	--	12.5	--	--	--
393313111524001	(C-14- 1)36adb- 1	100VLFL	359.00	07-31-96	1260	--	--	--	--	--
393236111525300	(C-15- 1) 1baa- 1		280.00	07-30-96	1170	--	12.5	--	--	--
393212111543401	(C-15- 1) 3add- 1		--	07-30-96	1160	--	--	--	--	--
393142111523501	(C-15- 1)12aaa- 2	100VLFL	405.00	07-30-96	1530	--	--	--	--	--
395245111502501	(D-11- 1) 9bbb- 2	100VLFL	70.00	07-29-96	510	7.6	12.0	--	--	--
395207111501401	(D-11- 1) 9cca- 1	100VLFL	304.00	07-29-96	510	--	13.0	--	--	--
395110111502101	(D-11- 1)16ccb- 1	100VLFL	384.00	07-29-96	480	--	12.5	--	--	--
395100111503501	(D-11- 1)20aab- 1	100VLFL	311.00	07-29-96	650	--	12.0	--	--	--
394848111500201	(D-11- 1)33cab- 1		452.00	07-29-96	470	--	11.0	--	--	--
394518111515801	(D-12- 1)19dbb- 1	100VLFL	248.00	07-31-96	1240	7.7	12.0	--	--	--
394421111505001	(D-12- 1)29cad- 1		300.00	07-31-96	1460	--	11.0	--	--	--
394225111495701	(D-13- 1) 4cca- 1	100VLFL	371.00	07-30-96	1540	7.3	11.5	470	130	36
394226111501601	(D-13- 1) 5dda- 1	100VLFL	336.00	07-29-96	1590	--	11.0	--	--	--
394225111502201	(D-13- 1) 5ddb- 1	100VLFL	344.00	07-30-96	1620	--	11.5	--	--	--
394225111502702	(D-13- 1) 5ddb- 2	100VLFL	352.00	07-30-96	1640	7.3	11.5	510	140	38
394226111502101	(D-13- 1) 5ddb- 3	100VLFL	350.00	07-30-96	1570	--	11.0	--	--	--

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 POTASSIUM (K) (MG/L)	ALKALINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
				DUCHESNE COUNTY--Continued								
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				IRON COUNTY								
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38	8.7	129	110	220	0.60	62	692	2.10	0.010	<3.0	<1.0	106
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29	4.6	167	250	36	0.30	34	632	9.00	0.020	<3.0	<1.0	71
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160	10	127	830	400	0.40	62	1950	2.80	0.050	12	12	511
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				JUAB COUNTY								
110	4.2	245	77	190	0.20	28	706	6.10	<0.010	<3.0	<1.0	70
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130	3.9	364	110	200	0.20	23	880	6.50	0.030	<3.0	<1.0	96
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140	3.8	388	120	230	0.20	25	956	5.90	0.020	<3.0	<1.0	94
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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)
				JUAB COUNTY--Continued						
394137111515001	(D-13- 1) 7dbc- 1		210.00	07-29-96	1430	7.3	11.5	430	100	44
393315111511601	(D-14- 1)31ada- 1	100VLFL	405.00	07-30-96	1210	--	12.5	--	--	--
393312111521001	(D-14- 1)31bcb- 1	100VLFL	472.00	07-30-96	1190	--	12.5	--	--	--
393301111512501	(D-14- 1)31dab- 1	100VLFL	420.00	07-30-96	1320	7.2	12.0	--	--	--
				KANE COUNTY						
371034112230401	(C-42- 5)11bdb- 1		160.00	08-08-96	610	7.7	15.0	--	--	--
370843112340602	(C-42- 6)19bdc- 2	220NVJO	250.00	08-08-96	255	8.0	14.0	--	--	--
370050112274501	(C-44- 5) 6cbb- 1		--	08-08-96	2540	7.6	17.5	--	--	--
371739112200201	R(C-40- 4)32bad- 1	100VLFL	135.00	08-14-96	1170	7.6	12.5	570	100	77
				MILLARD COUNTY						
393158112152001	(C-15- 4)11add- 1	100VLFL	485.00	07-11-96	2020	7.1	15.0	--	--	--
393102112194401	(C-15- 4)18daa- 1	100VLFL	406.00	07-10-96	3090	7.2	16.5	1200	260	130
392859112154601	(C-15- 4)26dcc- 1	100VLFL	660.00	07-11-96	870	7.3	15.5	360	97	29
392555112203001	(C-16- 4)18bda- 1	100VLFL	375.00	07-11-96	1610	7.4	16.5	--	--	--
392344112203801	(C-16- 4)30cac- 1	100VLFL	440.00	07-31-96	960	--	14.0	--	--	--
392316112204001	(C-16- 4)31bca- 1	100VLFL	--	08-01-96	640	--	13.0	--	--	--
392316112205401	(C-16- 4)31bcb- 1	100VLFL	248.00	08-01-96	650	--	13.0	--	--	--
392359112431202	(C-16- 8)26bdb- 2		844.00	07-11-96	870	8.4	26.5	32	6.2	4.0
391832112285601	(C-17- 6)26daa- 3	100VLFL	720.00	07-10-96	650	7.9	21.0	--	--	--
392141113585601	(C-17-19) 4add- 2	100VLFL	760.00	07-25-96	475	8.0	16.5	--	--	--
391710112334701	(C-18- 6) 6aba- 2	100VLFL	812.00	07-11-96	415	8.4	--	32	7.3	3.3
391324114000001	(C-18-19)20ddd- 2	100VLFL	560.00	07-25-96	320	7.9	21.5	110	27	11
390758112194601	(C-19- 4)29bcd- 1	100VLFL	390.00	07-16-96	1010	7.4	15.0	--	--	--
390617113571901	(C-19-19)35dcd- 1		--	07-25-96	600	--	14.5	--	--	--
390615114010001	(C-19-20)36ccc- 1	100VLFL	395.00	07-24-96	495	--	15.0	--	--	--
390628112201401	(C-20- 4) 6aca- 1	100VLFL	506.00	08-13-96	1880	7.5	15.0	800	190	78
390430114013001	(C-20-19) 7dcc- 1		--	07-24-96	360	--	15.0	--	--	--
390358113583301	(C-20-19)15cba- 1		--	07-24-96	510	--	13.5	--	--	--
390337113584501	(C-20-19)15ccc- 1	100VLFL	--	07-24-96	410	--	14.0	--	--	--
390610114010001	(C-20-20) 1bbb- 1	100VLFL	395.00	07-24-96	630	--	15.5	--	--	--
385939112272303	(C-21- 5) 7cdd- 3		--	08-13-96	1380	7.2	13.5	490	110	52
390005112262301	(C-21- 5) 8bdc- 2	100VLFL	407.00	07-16-96	770	7.5	18.0	--	--	--
385714112264701	(C-21- 5)29cbc- 1	100VLFL	900.00	07-17-96	2380	7.1	19.5	--	--	--
385715112271201	(C-21- 5)30dbc- 3	100VLFL	773.00	07-17-96	1680	7.2	19.0	--	--	--
390045112281201	(C-21- 6) 1ddb- 1	112PVNT	105.00	08-13-96	1780	7.3	14.0	620	140	65
385511112243501	(C-22- 5)10bbb- 2	100VLFL	338.00	07-17-96	1380	7.2	17.0	--	--	--
385303112234801	(C-22- 5)22adc- 2	100VLFL	260.00	07-17-96	1340	7.3	15.5	340	89	29
385615114013801	(C-22-19) 6bac- 1	100VLFL	395.00	07-24-96	600	7.4	11.5	250	67	21
385026112261001	(C-23- 5) 5acd- 1	100VLFL	353.00	08-13-96	740	7.7	15.0	--	--	--
384953112325101	(C-23- 6) 8abd- 1	100VLFL	200.00	07-17-96	7700	6.9	15.5	2400	590	230
384910112321401	(C-23- 6) 9ccd- 1	100VLFL	136.00	07-17-96	6490	7.0	16.0	--	--	--
384856112315701	(C-23- 6)16bad- 1	100VLFL	130.00	07-16-96	4610	7.3	15.0	--	--	--
384829112315901	(C-23- 6)16cda- 1	112PVNT	205.00	08-13-96	3770	7.1	15.0	900	240	72
384729114010301	(C-23-19)30aac- 1		--	07-24-96	1130	--	13.5	--	--	--
				PIUTE COUNTY						
381440111584001	(C-29- 2)35bad- 1	122BRHD	197.00	08-08-96	450	7.6	19.0	--	--	--
381003112010301	(C-30- 2)28bdc- 1		135.00	08-08-96	430	7.8	16.0	180	47	15
				SALT LAKE COUNTY						
404158111542401	(C- 1- 1)25cca- 2	100VLFL	345.00	06-18-96	485	7.5	13.5	--	--	--
404306112031201	(C- 1- 2)22bdd- 4	100VLFL	35.00	06-18-96	2180	7.6	12.0	--	--	--
404045111594201	(C- 2- 1) 6abc- 4	100VLFL	440.00	06-19-96	2640	8.2	18.0	--	--	--
403658111542701	(C- 2- 1)25cbb- 1	100VLFL	680.00	06-25-96	610	8.0	27.5	--	--	--
403637112005201	(C- 2- 2)25cdd- 1	100VLFL	308.00	06-19-96	980	8.0	14.0	300	64	33

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)
					JUAB COUNTY--Continued							
120	3.1	292	87	230	0.20	25	806	4.90	0.010	<3.0	1.0	80
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					KANE COUNTY							
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45	7.5	312	350	11	0.50	10	790	0.390	<0.010	<3.0	<1.0	123
					MILLARD COUNTY							
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200	7.3	262	480	630	0.30	29	1890	--	--	38	20	345
37	1.6	168	130	72	0.20	13	481	--	--	5.0	<1.0	56
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180	1.5	200	55	110	1.5	31	509	--	--	<3.0	3.0	299
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81	1.5	57	17	24	0.80	32	201	--	--	6.0	4.0	132
24	1.9	133	9.7	17	0.10	<0.10	171	0.220	0.030	7.0	<1.0	44
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80	3.6	275	270	310	0.30	22	1160	8.40	<0.010	<3.0	<1.0	138
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110	4.2	340	200	130	0.20	26	862	5.80	<0.010	<3.0	<1.0	407
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140	5.4	355	270	230	0.20	29	1120	6.10	<0.010	<3.0	<1.0	405
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120	18	256	83	220	0.70	13	730	0.670	0.020	<3.0	<1.0	627
15	1.3	255	13	13	<0.10	<0.10	293	2.30	0.020	8.0	<1.0	50
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860	69	299	1500	1800	1.0	39	5290	3.40	<0.010	<15	<5.0	3060
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450	52	323	510	810	1.0	38	2380	3.20	0.020	<9.0	<3.0	2090
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					PIUTE COUNTY							
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21	5.6	194	24	13	0.30	39	283	0.330	0.020	<3.0	<1.0	89
					SALT LAKE COUNTY							
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73	4.2	191	40	160	0.30	25	523	2.00	<0.010	17	5.0	133

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)
				SALT LAKE COUNTY--Continued						
403533111570701	(C- 3- 1) 4aac- 1	110VLFL	491.00	06-19-96	1110	8.0	16.0	400	99	36
403408111543201	(C- 3- 1)12ccb- 1	100VLFL	118.00	06-19-96	1000	8.2	19.0	--	--	--
402721111550801	(C- 4- 1)23dbb- 1	100VLFL	262.00	08-02-96	1060	7.6	18.5	320	69	36
403027112012401	(C- 4- 2) 1bbb- 1	100VLFL	540.00	06-19-96	1320	8.0	15.0	490	140	34
404506111523301	(D- 1- 1) 7abd- 6	100VLFL	130.00	06-19-96	1230	7.6	14.0	530	130	51
404253111530901	(D- 1- 1)19cdb-17	100VLFL	500.00	06-18-96	1130	7.1	14.5	--	--	--
404040111503301	(D- 2- 1) 4acb- 1	100VLFL	230.00	06-25-96	1380	7.8	14.0	--	--	--
403742111503201	(D- 2- 1)21dbc- 1	100VLFL	740.00	06-25-96	295	8.5	12.0	--	--	--
403332111485001	(D- 2- 1)35bbb- 1	100VLFL	238.00	06-25-96	345	8.2	12.5	--	--	--
403252111522501	(D- 3- 1)19ada- 1	100VLFL	177.00	06-25-96	1760	7.6	16.5	--	--	--
403116111524801	(D- 3- 1)31abb- 1	100VLFL	138.00	06-25-96	460	7.6	16.0	--	--	--
				SAN JUAN COUNTY						
371716109325501	(D-40-22)30bbb- 1	220JRSC	825.00	03-06-96	800	9.1	14.5	--	--	--
371621109211001	(D-40-23)27baa- 1	220JRSC	672.00	03-06-96	3100	7.7	18.5	--	--	--
				SANPETE COUNTY						
390819111530701	(C-19- 1)23cac- 1	110ALVM	--	08-08-96	2770	7.1	12.0	730	110	110
393529111365701	(D-14- 3)20bba- 1	100VLFL	151.00	08-13-96	780	--	10.5	--	--	--
392740111345301	(D-16- 3) 4aaa- 1	100VLFL	160.00	08-13-96	1120	7.2	13.0	360	78	40
392023111360501	(D-17- 3)17adb- 1	100VLFL	298.00	08-14-96	860	--	11.5	--	--	--
391920111361901	(D-17- 3)20acc- 1	100VLFL	416.00	08-14-96	815	--	11.5	--	--	--
391931111364101	(D-17- 3)20bca- 2	100VLFL	300.00	08-14-96	830	--	11.5	--	--	--
391634111380701	(D-18- 2) 1daa- 2	100VLFL	233.00	08-14-96	1040	--	11.5	--	--	--
				SEVIER COUNTY						
385910111512101	(C-21- 1)13abd- 1		291.00	08-08-96	740	8.5	21.0	140	29	16
384757112002201	(C-23- 2)15dcb- 4		75.00	08-08-96	690	7.5	12.5	--	--	--
384450112034001	(C-24- 2) 6abc- 1	110ALVM	308.00	08-08-96	1030	7.4	16.0	--	--	--
383140111522001	(C-26- 1)23ddb- 1	100VLFL	200.00	08-08-96	190	8.3	13.0	--	--	--
				TOOELE COUNTY						
405951113584301	(B- 3-19) 1ccc- 1	100VLFL	78.00	07-26-96	470	8.2	16.0	110	27	11
403831112185401	(C- 2- 4)17dad- 1	100VLFL	--	08-06-96	1250	--	17.0	--	--	--
403700112183201	(C- 2- 4)28bdc- 1	100VLFL	368.00	08-06-96	970	--	14.5	--	--	--
403648112185001	(C- 2- 4)29adc- 1		150.00	08-06-96	1210	--	13.5	--	--	--
403800112243601	(C- 2- 5)21aad- 1		230.00	08-07-96	2740	--	15.0	--	--	--
403655112255501	(C- 2- 5)29adc- 2	100VLFL	290.00	08-07-96	1960	--	14.5	--	--	--
403914112400301	(C- 2- 7) 7dda- 1	100VLFL	505.00	07-15-96	4720	7.7	18.0	350	73	40
403532112253601	(C- 3- 5) 4bbb- 2	100VLFL	410.00	07-22-96	2190	7.5	17.0	620	160	54
403126112444501	(C- 3- 8)28ddb- 1		241.00	07-15-96	630	7.8	14.0	170	48	13
402525112251502	(C- 4- 5)32cca- 2	100VLFL	210.00	06-06-96	2070	7.4	12.5	630	170	50
402316112250701	(C- 5- 5)16bbd- 1		28.00	06-06-96	29600	6.9	13.0	6700	720	1200
402320112252501	(C- 5- 5)17aad- 1		20.00	06-06-96	1530	7.3	13.0	440	100	45
402211112254601	(C- 5- 5)20acc- 2		245.00	07-30-96	2930	7.3	12.5	740	150	89
			245.00	11-02-95	2940	--	--	680	130	87
402208112251901	(C- 5- 5)20daa- 1		--	12-15-95	5100	8.0	23.5	800	140	110
402208112251902	(C- 5- 5)20daa- 2		34.50	06-06-96	27400	6.9	13.0	11000	2400	1100
			34.50	12-15-95	26600	6.9	12.0	12000	2700	1200
402124112270601	(C- 5- 5)30bda- 2		21.00	08-05-96	2550	7.1	14.0	700	190	54
402113112270501	(C- 5- 5)30bdd- 1		--	07-30-96	2410	7.2	11.0	580	160	43
402010112273001	(C- 5- 5)31ccb- 1		80.00	07-30-96	1160	7.4	10.5	370	100	29
402024112254601	(C- 5- 5)32dbb- 2	100VLFL	112.00	06-07-96	1240	7.5	9.5	440	130	29
402050112330201	(C- 5- 6)32bba-S1		--	07-30-96	350	7.6	8.0	160	49	9.5
402023112290501	(C- 5- 6)35dba- 2		115.00	06-06-96	960	7.4	11.5	420	130	22
401845112283901	(C- 6- 6)12bcc- 2		69.00	06-07-96	1300	7.1	12.5	510	150	32
			69.00	10-12-95	1190	--	--	500	150	30

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 POTASSIUM (K) (MG/L)	ALKALINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
						SALT LAKE COUNTY--Continued						
69	3.5	192	170	130	0.20	28	661	2.30	<0.010	11	<1.0	103
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88	7.7	169	150	140	0.60	26	628	2.10	0.030	49	2.0	178
56	8.3	251	75	210	0.30	52	735	1.90	0.020	7.0	<1.0	123
45	2.9	288	170	130	0.20	20	747	5.60	<0.010	14	8.0	131
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						SAN JUAN COUNTY						
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						SANPETE COUNTY						
370	3.9	593	430	370	0.50	35	1810	5.70	0.020	<9.0	<3.0	775
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88	8.6	347	110	83	0.20	53	676	1.60	<0.010	36	13	183
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						SEVIER COUNTY						
93	4.8	115	90	100	0.60	44	448	0.290	<0.010	6.0	<1.0	263
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						TOOELE COUNTY						
44	5.5	85	15	79	<0.10	<0.10	234	0.240	0.010	4.0	<1.0	33
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820	33	162	97	1400	0.30	27	2600	1.90	<0.010	37	4.0	320
200	4.4	179	57	580	0.10	22	1190	1.00	<0.010	9.0	<3.0	96
50	2.0	123	18	110	0.20	19	341	1.60	0.020	<3.0	<1.0	61
190	1.9	223	140	440	0.10	16	1150	2.70	<0.010	11	<3.0	84
4600	19	347	2800	9900	0.40	39	19500	<0.050	0.140	69	3100	1030
140	23	227	200	270	2.3	42	967	1.80	<0.010	<3.0	77	313
290	13	228	200	700	0.60	31	1610	0.430	0.010	17	42	377
330	19	210	220	710	0.80	34	1660	0.290	0.040	24	42	500
720	76	124	1300	850	1.0	58	3330	<0.050	<0.010	550	57	1400
1500	18	139	1500	10000	<0.10	35	16600	<0.050	<0.010	<45	4800	66
1600	23	142	1200	9100	<0.10	30	15900	<0.050	<0.010	260	6200	100
210	2.2	241	93	590	0.30	23	1320	2.10	<0.010	<9.0	140	220
220	1.1	285	120	510	0.30	21	1260	2.40	<0.010	150	29	238
78	6.9	334	54	130	0.20	15	640	6.00	<0.010	11	<1.0	129
79	1.3	288	61	180	0.30	18	680	1.90	<0.010	32	20	92
6.1	0.50	165	5.2	6.2	0.10	6.2	183	0.230	<0.010	<3.0	<1.0	21
36	1.3	164	24	220	0.10	12	551	1.70	<0.010	14	<1.0	37
41	1.1	180	21	290	0.20	21	667	0.530	<0.010	25	2.0	38
39	1.4	181	21	270	0.10	20	642	0.530	<0.010	33	3.0	30

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						
401653112280201	(C- 6- 6)24dbb- 1		120.00	10-12-95	2240	7.4	11.5	670	150	72
				UTAH COUNTY						
402355111531501	(C- 5- 1)12daa- 2		330.00	07-10-96	1060	7.6	14.5	400	89	43
401730111594501	(C- 6- 1)18cdd- 1		265.00	07-10-96	740	7.5	30.0	--	--	--
401730111594502	(C- 6- 1)18cdd- 2		--	07-10-96	760	--	29.0	--	--	--
401729112052701	(C- 6- 2)17dcc- 1	100VLFL	600.00	07-10-96	400	--	11.0	--	--	--
401607112023401	(C- 6- 2)26cbb- 1	100VLFL	505.00	07-10-96	760	7.7	11.5	--	--	--
401610112053101	(C- 6- 2)29bdd- 1	100VLFL	150.00	07-10-96	445	7.8	10.0	--	--	--
400315111572001	(C- 9- 1) 4ccc- 1	100VLFL	756.00	06-11-96	1260	7.8	14.5	270	67	25
395956111572101	(C- 9- 1)28ccb- 1		802.00	06-11-96	1100	7.6	19.0	240	62	20
395340111590001	(C-10- 1)31cdd- 1	100VLFL	603.00	07-08-96	900	--	20.0	--	--	--
395339111581800	(C-10- 1)32ccc- 1	100VLFL	507.00	07-08-96	1640	--	22.0	--	--	--
402259111525201	(D- 5- 1)18cab- 2	100VLFL	618.00	06-11-96	335	7.9	15.0	--	--	--
402145111531101	(D- 5- 1)19ccc- 1	110ALVM	150.00	06-11-96	450	8.0	13.0	180	43	17
402103111461601	(D- 5- 2)30ccb- 2	100VLFL	225.00	06-11-96	880	7.3	11.5	--	--	--
401801111442501	(D- 6- 2)17aca- 1	100VLFL	200.00	06-27-96	570	7.7	15.5	--	--	--
401414111435301	(D- 7- 2) 4cbb- 2	100VLFL	144.00	06-11-96	550	7.6	13.0	--	--	--
401021111362701	(D- 7- 3)33baa- 6	100VLFL	138.00	06-27-96	540	7.6	14.0	--	--	--
400117111451101	(D- 9- 2)19aca- 1	100VLFL	343.00	07-09-96	715	--	16.5	--	--	--
				WASHINGTON COUNTY						
373456113423501	(C-37-17)12bdc- 2		290.00	08-14-96	560	7.3	12.0	230	72	12
371305113470401	(C-41-17)17cba- 1		626.00	08-07-96	470	7.5	18.5	--	--	--
370915113232302	(C-42-14)11aca- 2		--	08-07-96	1360	7.5	22.5	640	150	65
370517113310402	(C-42-15)34dba- 2		265.00	08-07-96	4730	6.8	18.5	2000	540	160
370036113282801	(C-43-14)31bbb- 1		--	08-07-96	3150	7.3	20.5	--	--	--
				WAYNE COUNTY						
382717111365601	(D-27- 3)19aaa- 1		285.00	08-08-96	1550	8.0	12.0	--	--	--
381902111321101	(D-29- 3) 1cab- 1	110ALVM	433.00	08-08-96	260	8.3	18.5	--	--	--
				WEBER COUNTY						
411153112064601	(B- 5- 2) 6bdd- 4	100VLFL	303.00	07-17-96	465	8.0	16.5	150	35	14
412011112041401	(B- 7- 2)16dcd- 2	100VLFL	1176.00	07-17-96	345	8.2	24.0	64	19	3.9
411824112060601	(B- 7- 2)32bbb- 1	100VLFL	546.00	07-16-96	2450	7.9	19.0	--	--	--
411821112034601	(B- 7- 2)34bbb- 2	100VLFL	517.00	07-17-96	295	7.6	--	--	--	--
411810112131802	(B- 7- 3)31aac- 2		920.00	07-30-96	4100	7.8	--	380	33	73

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						
150	3.9	188	65	520	0.10	24	1100	0.460	<0.010	<3.0	<1.0	60
						UTAH COUNTY						
39	3.4	168	130	150	0.20	20	575	--	--	14	<1.0	77
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
120	9.6	135	93	230	0.30	61	718	6.90	0.020	10	2.0	160
97	13	142	92	170	0.30	70	630	4.50	0.030	13	<1.0	143
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
12	1.3	117	35	44	0.30	12	235	0.100	<0.010	230	9.0	42
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	0.710	0.020	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
						WASHINGTON COUNTY						
27	4.7	225	19	25	0.20	45	363	5.30	0.020	<3.0	<1.0	76
--	--	--	--	--	--	--	--	--	--	--	--	--
51	9.1	155	510	59	0.30	23	977	3.70	<0.010	8.0	1.0	159
460	24	324	1700	680	0.50	24	3810	5.40	0.010	<9.0	<3.0	1020
--	--	--	--	--	--	--	--	--	--	--	--	--
						WAYNE COUNTY						
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
						WEBER COUNTY						
37	8.3	222	<0.10	17	0.30	32	--	0.060	0.120	250	130	95
49	7.3	167	2.3	7.7	0.80	30	221	0.050	<0.010	270	50	97
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
630	58	287	170	1000	0.80	45	2180	0.080	0.030	86	80	633

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.

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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