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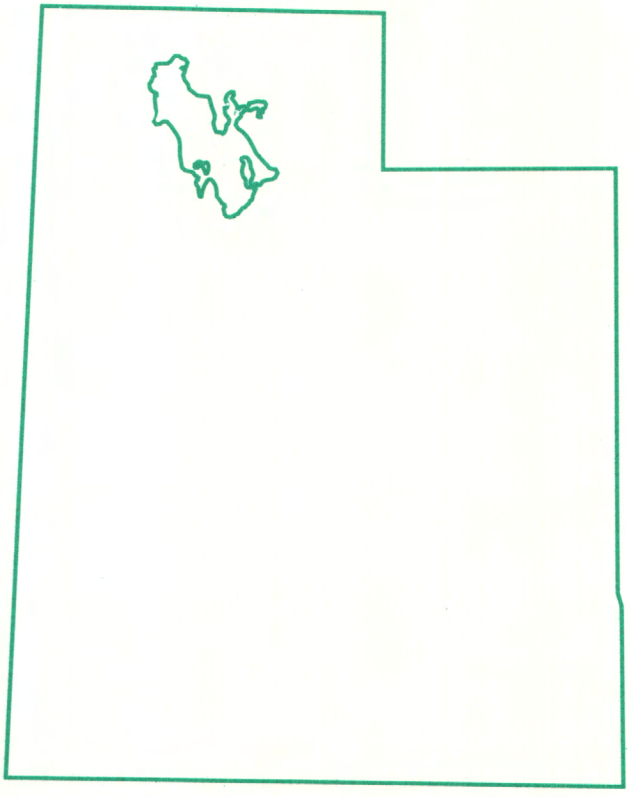
Water Resources Data
Utah
Water Year 2000

Water-Data Report UT-00-1



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Prepared in cooperation with the
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CALENDAR FOR WATER YEAR 2000

1999

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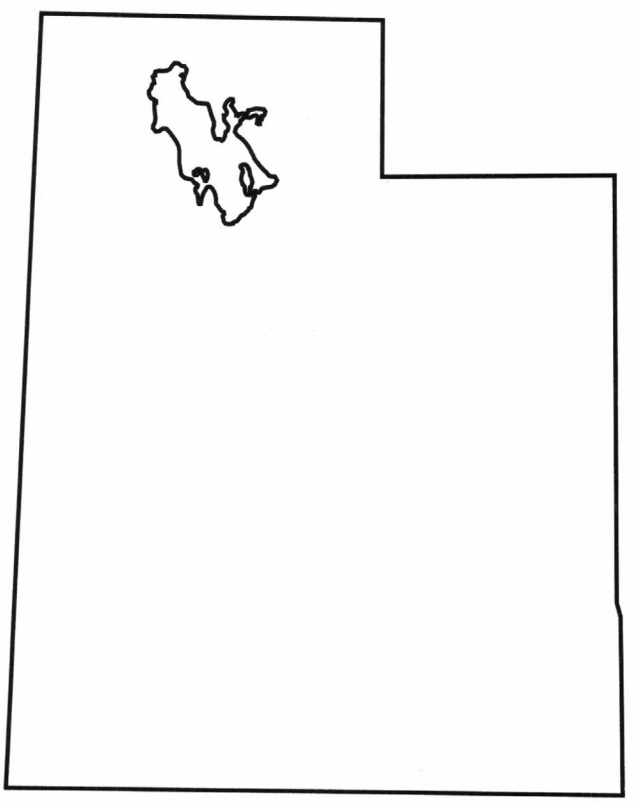
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data
Utah
Water Year 2000

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

Water-Data Report UT-00-1



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UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

GEOLOGICAL SURVEY

Charles G. Groat, Director

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District Chief, Water Resources Division
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West Valley City, Utah 84119

2001

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 significantly to the collection, processing, and tabulation of the data:

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Water-resources data for the 2000 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 159 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 24 hydrologic stations, and 199 wells; and water levels for 60 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
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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
East Fork of Smith Fork near Robertson, Wy (d)	09220000		???
GREEN RIVER BASIN			
Blacks Fork above Blacks Fork Ranger Station, Ut (d)	09217500	48.8	1937-39
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

Station name	Station number	Drainage area (sq mi)	Period of record
GREEN RIVER BASIN--Continued			
Green River at (near) Bridgeport, Ut (d)	09235000	a15,700	1912-15
Crouse Creek near Vernal, Ut (d)	09235100	30.2	1986-90
Pot Creek 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
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 BASIN			
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
Stewart Lake Outflow near Jensen, Ut (d)	09271600	—	1990-94
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
Wolf Creek near Hanna, Ut (d)	09276500	a19	1922-23
Duchesne River at Hanna, Ut (d)	09277000	a230	1953-61
Comb. flow Duchesne River & Duchesne Tunnel near 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
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
West Fork Duchesne River near Hanna, Ut (d)	09275500	61.6	1945-94
Red Creek above reservoir, near Fruitland, Ut (d)	09286100	31.4	1986-98
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
Lake Fork River near Upalco, Ut (d)	09294000	427	1943-55
			1976-81
Lake Fork (Creek) near Myton, Ut (d)	09294500	484	1900-03
			1907-36
			1976-81
Uinta River below Gilbert Creek near Neola, Ut (d)	09295500	a33	1951-55
Uinta River above Clover Creek near Neola, Ut (d)	09296000	132	1946-55
Clover Creek near Neola, Ut (d)	09296500	a9.5	1950-55
Uinta River near Neola, Ut (d)	09297000	163	1922-27
			1930-83
Uinta River near Whiterocks, Ut (d)	09297500	218	1899-1903
			1907-10
			1917-20
West Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297600	216	1976-81
East Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297700	215	1977-81
East Channel Uinta River at County Road Bridge near Whiterocks, Ut (d)	09297800	253	1976-81
East Channel Uinta River at LaPoint Road near LaPoint, Ut (d)	09297900	382	1976-82
Farm Creek near Whiterocks, Ut (d)	09298000	14.9	1950-81
Whiterocks River above Paradise Creek near Whiterocks, Ut (d)	09298500	a90	1946-55
Paradise Creek near Whiterocks, Ut (d)	09299000	a10	1946-55
Whiterocks River below damsite near Whiterocks, Ut (d)	09299400	110	1976-81
Whiterocks River below Farm Creek Canal near Whiterocks, Ut (d)	09299600	120	1976-81
Whiterocks River 1 mile east of Whiterocks, Ut (d)	09299700	124	1976-81
Deep Creek at State Hwy 246 near LaPoint, Ut (d)	09299900	72.2	1976-79
Deep Creek near LaPoint, Ut (d)	09300000	a75	1943-45
			1950-55
Uinta River at Fort Duchesne, Ut (d)	09300500	557	1899-1904
			1907-10
			1917-20
			1943-58
			1976-81
Dry Gulch near Neola, Ut (d)	09301000	a67	1951-58
Dry Gulch near Fort Duchesne, Ut (d)	09301200	469	1976-81
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
WHITE RIVER BASIN—Continued			
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
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

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			
Candland Ditch near Mt. Pleasant, Ut (d)	09317500	—	1950-58
Crandall Canyon at mouth near Huntington, Ut (d)	09317919	5.70	1978-84
Tie Fork Canyon near Huntington, Ut (d)	09317920	11.7	1978-81
Huntington Creek near Huntington, Ut (d)	09318000	187	1909-79
Huntington Creek near Castle Dale, Ut (d)	09318500	325	1911-17, 1919-21
Horseshoe Tunnel near Ephraim, Ut (d)	09320000	—	1950-58
Larsen Tunnel near Ephraim, Ut (d)	09320500	—	1949-58
Coal Fork Ditch near Mount Pleasant, Ut (d)	09321000	—	1950-58, 1976
Twin Creek Tunnel near Mount Pleasant, Ut (d)	09321500	—	1950-58
Black Canyon Ditch near Spring City, Ut (d)	09322000	—	1950-58
Cedar Creek Tunnel near Spring City, Ut (d)	09322500	—	1950-58
Reeder Ditch near Spring City, Ut (d)	09323500	—	1950-58
Seely Creek near Orangeville, Ut (d)	09324000	a150	1954-57
Cottonwood Creek above Straight Canyon near Orangeville, Ut (d)	09324200	21.9	1978-81
Cottonwood Creek near Orangeville, Ut (d)	09324500	208	1910-27, 1933-70, 1975-85
Cottonwood Creek near Castle Dale, Ut (d)	09325000	261	1947-58
San Rafael River above Ferron Creek near Castle Dale, Ut (d)	09325100	a680	1965-70
John August Ditch near Ephraim, Ut (d)	09325500	—	1949-58
Madsen Ditch near Ephraim, Ut (d)	09326000	—	1950-58
Ferron Creek near Ferron, Ut (d)	09327000	159	1909-11
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
Seven Mile Creek near Fish Lake, Ut (d)	09329050	24.0	1964-98
Fremont River near Fremont, 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, Ut (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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
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
COMBINED 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
Johnson Wash above Flood Canyon, near Kanab, Ut	09403690	237	1994-97
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
VIRGIN RIVER BASIN—Continued			
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
THE GREAT BASIN			
Great Salt Lake at Promontory Point, Ut (e)	**10010050**	**—**	**1969-82, 1997-99**
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
Sulphur Creek above reservoir, below LaChapelle Creek, near Evanston, Wy (d)	10015700	64.2	1957-97
Sulphur Creek below reservoir, near Evanston, Wy (d)	10015900	69.2	1958-92
Sulphur Creek near Evanston, WY (d)	10016000	80.5	1942-59
Bear River at Millis, near Evanston, Wy (d)	10016500	a420	1942-46
Yellow Creek near Evanston, Wy (d)	10017000	a80	1943-45, 1950-78
Coyote Creek near Evanston, Wy (d)	10017500	a28	1942-45
Bear River near Evanston, Wy (d)	10019000	715	1913-56
Chapman Canal at State Line near Evanston, Wy (d)	10019500	—	1942-86
Woodruff Narrows Reservoir near Woodruff, Ut (e)	10020200	784	1966-96
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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
Bear River near Smithfield, Ut (d)	10102250	5,193	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
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)	10113000	—	1904-10
(Blacksmith Fork Municipal Powerplant Race)			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)	10114500	286	1900-02
(Blacksmith Fork at Hyrum)			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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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
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
Rockport Reservoir near Wanship, Ut (e)	**10129400**		**1957-99**
Silver Creek near Wanship, Ut (d)	10130000	27.9	1942-46, 1982-85, 1990-96
East Fork Chalk Creek near Coalville, Ut (d)	10130700	a35	1965-74
Echo Reservoir at Echo (e)	10131500		1931-99
Lost Creek Reservoir near Croydon (e)	**10132490**		**1967-99**
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
Kimball Creek above East Canyon Creek near Park City, Ut (d)	10133540	12.2	1990-96
McLeod Creek near Park City, Ut (d)	10133600	8.78	1990-96
Threemile Creek near Park City, Ut (d)	10133700	2.68	1964-74, 1982-84
East Canyon Cr above Big Bear Hollow, near Park City, Ut	10133895	75.0	1990-96
East Canyon Creek near Park City, Ut (d)	10133900	68.9	1982-84

Station name	Station number	Drainage area (sq mi)	Period of record
WEBER RIVER BASIN—Continued			
East Canyon Reservoir near Morgan, Ut (e)	**10134000**		**1932-99**
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
Pineview Reservoir near Ogden, Ut (e)	**10139000**		**1937-68**
			1990-99
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
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
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
Tie Fork near Soldier Summit, Ut (d)	10148200	19.4	1964-96
Nebo Creek near Thistle, Ut (d)	10148400	36.7	1964-73
Spanish Fork at Thistle, Ut (d)	10148500	450	1908-25
			1932-74
Spanish Fork below Halls Falls near Thistle, Ut (d)	**10148510**	**452**	**1983-92**
Diamond Fork near Thistle, Ut (d)	10150000	141	1908-17
			1940-55

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN—Continued			
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
North Fork Provo River near Kamas, Ut (d)	10153800	24.4	1964-96
Shingle Creek near Kamas, Ut (d)	10154000	a8.4	1963-73
Provo River below Jordanelle Dam, near Heber, Ut (d)	10155100	252	1991-94
Daniels Creek above diversions near Heber City (d)	10157000	37.2	1992-98
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 at Narrows, near Lehi, Ut (d)	10167000	3,010	1904
			1913-88
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
Faust Creek below Tooele City well near Vernon, Ut (d)	10172726	—	1992-96
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
90th South Conduit at Jordan River near Midvale, Ut (d)	10167240	—	1980-84

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN—Continued			
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
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
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 Cudahy Lane near Salt Lake City, Ut (d)	10172600	q3,590	1963-68
			1974-76
Sewage Canal at Cudahy 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
Goggin Drain near Magna, Ut (d)	10172630	—	1964-67
			1972-84
Lee Creek near Magna, Ut (d)	10172640	—	1972-82

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN—Continued			
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			
Faust Creek below Tooele City Well near Vernon, Ut (d)	10172726	—	1992-96
Settlement Creek above reservoir near Tooele, Ut (d)	10172791	16.8	1988-98
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN—Continued			
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
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	2,438	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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN—Continued			
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
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 above Little Creek, near Oak City, Ut (d)	10224100	5.58	1964-97
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
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
SNAKE VALLEY			
Snake Creek near Baker, Nv (d)	10243230	a30	1913-15
Baker Creek at Narrows near Baker, Nv (d)	10243240	16.4	1947-55
Baker Creek near Baker, Nv (d)	10243250	a10	1913-15
Lehman Creek near Baker, Nv (d)	10243260	a11	1947-55
SNAKE RIVER BASIN			
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 continuous-record surface-water-quality station prior to the 2000 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 the end of the 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
Stewart Lake Outflow near Jensen, Ut	09271600	—	c,t	1986-97
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

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN—Continued				
West Fork Duchesne River below Dry Hollow near Hanna, Ut	09275000	43.8	c,t	1957 1960 1964 1974-81
Wolf Creek above Rhoades Canyon near Hanna, Ut	09276000	10.6	c,t	1951 1956-57 1962 1971-83
Duchesne River at Hanna, Ut	09277000	a230	c,t	1957-64 1973
Rock Creek near Hanna, Ut	09278500	122	c,t	1957 1974-83 1987-88
Rock Creek below Miners Gulch near Hanna, Ut	09278700	133	c,t	1974-81
Red Creek above reservoir, near Fruitland, Ut (d)	09286100	34.1	c,t	1986-91
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN—Continued				
Lake Fork (Creek) near Myton, Ut	09294500	484	c,t	1941
				1947-48
				1951
				1973
				1977-81
Uinta River near Neola, Ut	09297000	163	c,t	1941
				1957-58
				1963-83
Uinta River near Whiterocks, Ut	09297500	218	c	1849
West Channel Uinta 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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
WHITE RIVER BASIN—Continued				
Sand Wash near Ouray, Ut	09306870	59.7	c,t	1976
				1979
				1980
Sand Wash at mouth near Ouray, Ut	09306872	71.1	c,s,t	1978-80
Coyote Wash near mouth near Ouray, Ut	09306878	228	c,s,t	1976-83
North Wash near Ouray, Ut	09306880	11.0	c,t	1980-81
Cottonwood Wash near mouth near Ouray, Ut	09306885	70.6	c,s,t	1977-81
White River at mouth near Ouray, Ut	09306900	5,120	b,c,s,t	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER				
Green River near Ouray, Ut	09307000	a35,500	c,s,t	1950-52
				1958-66
Pariette Draw near Ouray, Ut	09307200	153	c,s,t	1975-84
Pariette Draw at mouth near Ouray, Ut	09307300	298	c,s,t	1975-84
				1987-91
Willow Creek above diversions near Ouray, Ut	09307500	297	c,s,t	1969-70
				1974-83
Hill Creek above Towave Reservoir near Ouray, Ut	09307800	89.7	c,s,t	1974-81
Hill Creek near mouth near Ouray, Ut	09307900	288	c,s,t	1975-81
Willow Creek near Ouray, Ut	09308000	897	c,s,t	1950-55
				1974-83
Minnie Maud Creek near Myton, Ut	09308500	32.0	c,t	1971-83
				1987-89
PRICE RIVER BASIN				
Fairview Ditch near Fairview, Ut	09309500	—	c	1958
Gooseberry Creek near Fairview, Ut	09309800	a7.51	c,t	1969-70
Boardinghouse Creek at mouth near Scofield	09310575	2.04	c,s,t	1982-84
Eccles Canyon near Scofield, Ut	09310600	5.5	b,c,s,t	1979-84
Price River near Scofield, Ut	09311500	a155	c,t	1962
				1969-70
				1979-80
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
Price River at Woodside, Ut	09314500	1,540	c,s,t	1948-56
				1958-97

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				
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
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				
Seven Mile Creek near Fish Lake, Ut	09239050	24.0	c,t	1971-91
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
COLORADO RIVER TRIBUTARIES BELOW GLEN CANYON DAM				
Mill Creek above study area near Glendale, Ut	09403620	4.81	c,t	1975-77
Thompson Creek below study area near Glendale, Ut	09403660	16.6	c,t	1976-77
VIRGIN RIVER BASIN				
North Fork Virgin River near Glendale, Ut	09405400	5.65	c,t	1973-78
North Fork Virgin River below Bulloch Canyon near Glendale, Ut	09405420	29.6	c,s,t	1974
				1983-86
North Fork Virgin River above Zion Narrows near Glendale, Ut	09405450	45.5	c,s,t	1979
				1983-86
LaVerkin Creek near LaVerkin, Ut	09406150	91.3	c,t	1987-91
Kanarra Creek at Kanarraville, Ut	09406300	9.85	c,t	1971-82
South Ash Creek below Mill Creek near Pintura, Ut	09406700	11.0	c,t	1971-82
Ash Creek above Toquerville, Ut	09407000	201	c,t	1987-91
West Field Ditch at Toquerville, Ut	09407150		c,t	1973-78
Ash Creek below West Field Ditch at Toquerville, Ut	09407200	201	c,t	1973-82
Virgin River 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 above reservoir, below LaChapelle Creek, near Evanston, Wy	10015700	64.2		1961-68
				1972-84
				1987-91
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
BEAR RIVER BASIN—Continued				
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
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
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
BEAR RIVER BASIN—Continued				
Malad River near Plymouth, Ut	10125600	a632	c,t	1964-65
				1968
				1972-80
Bear River Duck Club near Bear River City, Ut	10125700	—	c,t	1967-68
Malad River below Bear River Duck Club Canal near Bear River City, Ut	10125800	a698	c,t	1965-68
Bear River near Corinne, Ut	10126000	7,029	c,t	1973-94
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
Silver Creek near Wanship, Ut	10130000	27.9	c,t	1983-84
				1991-92
East Fork Chalk Creek near Coalville, Ut	10130700	a35	c,t	1972-74
Kimball Creek above East Canyon Creek near Park City, Ut	10133540	12.2	c,t	1990-92
McLeod Creek near Park City, Ut	10133600	8.78	c,t	1991-1995
Threemile Creek near Park City, Ut	10133700	2.68	c,t	1971-74
				1983
East Canyon Creek near Big Bear Hollow, near Park City, Ut	10133895	75.0	c,t	1990-92
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 diversion near Farmington, Ut	10142000	10.0	c,t	1978-81
JORDAN RIVER BASIN				
Tie Fork near Soldier Summit, Ut	10148200	19.4	c,t	1928
				1971-91
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
North Fork Provo River near Kamas, Ut	10153800	24.4	c,t	1971-91

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
JORDAN RIVER BASIN—Continued				
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 at Narrows near Lehi, Ut	10167000	3,010	c,t	1987-91
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
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
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 at Ft. Douglas, near SLC, Ut	10172200	7.25	b,c,s,t	1965-95
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 Cudahy 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
Settlement Creek above reservoir near Tooele, Ut	10172791	16.8	c,t	1988-91
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
GREAT SALT LAKE DESERT—Continued				
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
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 above Little Creek, near Oak City, Ut	10224100	5.58	c,t	1971-83, 1987-91
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
SNAKE RIVER VALLEY				
George Creek near Yost, Ut	13077700	7.84	c,t	1965-67, 1972-90
Clear Creek near Naf, Id	13079000	20.2	c,t	1965-67

Explanation:
a : approximate

INTRODUCTION

Water-resources data for the 2000 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 159 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 24 hydrologic stations, and 199 wells; and water levels for 60 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-00-1." 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) 908-5000.

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, Kathleen B. Clarke, 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
Weber Basin Water Conservancy District, Ivan Flint
Ogden River Water Users, Terel Grimley
Weber River Water Users, Floyd Baham
Central Utah Water Conservancy District, Don Christiansen
Nephi City, Lee Fowkes
Kane County Water Conservancy District, Todd MacFarland
St. George City, Kirk Bradley
Washington County Water Conservancy District, Ron Thompson
Kanab City, Keith Robinson
Central Iron County Water Conservancy District, Scott Wilson

Assistance in the form of funds was given by the Bureau of Reclamation, U.S. Department of the Interior, in collecting data at 17 gaging stations. Records for nine gaging stations in Idaho in the Bear River basin and eight in Utah were collected by Pacificorp. 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.
Green River near Jensen, UT
Nevada District--Virgin River near Bloomington, UT
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 with moisture from the Pacific Ocean and Gulf of California generally occur during winter and early spring and are responsible for the mountain snowpack. Snowpack typically increases with elevation, with storm accumulations greater than 12 inches of snow common at elevations above 8,000 feet above sea level. During the summer months, monsoonal moisture from the warm waters of the Pacific Ocean and Gulf of California can cause thunderstorms which vary greatly in areal extent and intensity. When conditions are conducive, storms moving across Great Salt Lake pick up additional moisture from evaporation of lake water and precipitation can be locally enhanced; this is the so called "lake effect." The mountain ranges and plateaus of Utah are characterized by steep slopes, sparse vegetation, thin soils, and in areas such as the Colorado River Basin, large expanses of bedrock and steep-walled canyons. These conditions can lead to rapid runoff and flooding as a result of both snowmelt or thunderstorms.

Precipitation

Water year 2000 was a very dry year in Utah. Precipitation in Utah during the 2000 water year was less than normal[1] (1961-90) at all 12 selected precipitation-recording stations operated by the National Oceanic and Atmospheric Administration (National Oceanic and Atmospheric Administration, 1999 and 2000) in Utah (fig. 1). The twelve stations were selected to represent the areal and topographical distribution of precipitation for the entire State (table 1). The average departure for all twelve stations was -4.23 inches and ranged from the largest annual departure from normal of -13.40 inches at Alta to the least departure from normal of -1.00 inches at Nephi. Hanksville recorded the least total precipitation of all the selected stations with 2.22 inches, or -3.54 inches less than normal. The Hanksville and Zion National Park weather stations recorded less than normal precipitation for 11 of the 12 months in the water year.

Table 1. Precipitation and departure from normal precipitation at selected sites for water year 2000

[In inches; upper number indicates precipitation; lower number (in parentheses) indicates precipitation departure from 1961-90 normal precipitation; e, estimated from partial record; M, missing entire month; — no value; T, trace]

Site	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May[1]	Jun[1]	Jul[1]	Aug[1]	Sep[1]	Total Departure
Alta	1.19	2.21	5.35	6.31	6.53	6.63	2.15	2.60	0.32	0.83	3.25	2.81	40.18
	(-2.29)	(-3.49)	(-1.55)	(-0.68)	(0.10)	(-0.13)	(-3.93)	(-0.79)	(-1.51)	(-0.79)	(1.46)	(0.20)	(-13.40)
Black Rock	0.25	0.22	e0.16	1.41	1.28	0.40	0.51	0.80	0.18	0.99	M	M	6.04
	(-0.53)	(-0.55)	(-0.59)	(0.91)	(0.80)	(-0.72)	(-0.47)	(0.02)	(-0.36)	(0.13)	—	—	(-3.05)
Bluff	0.00	T	0.04	0.62	0.08	1.45	0.33	0.00	0.00	0.42	M	M	2.94
	(-1.06)	(-0.77)	(-0.71)	(-0.09)	(-0.59)	(0.78)	(-0.15)	(-0.41)	(-0.23)	(-0.50)	—	—	(-5.29)
Callao	0.06	0.02	T	0.39	0.59	0.03	0.47	1.30	0.05	0.05	M	M	2.96
	(-0.60)	(-0.32)	(-0.28)	(0.10)	(0.26)	(-0.38)	(0.00)	(0.49)	(-0.68)	(-0.48)	—	—	(-3.15)
Cedar City	0.13	0.37	0.27	1.60	2.28	0.48	0.69	0.46	2.07	T	0.64	0.30	9.29
	(-0.82)	(-0.63)	(-0.43)	(0.91)	(1.39)	(-0.88)	(-0.41)	(-0.38)	(1.64)	(-1.09)	(-0.83)	(-0.68)	(-2.21)
Green River	0.00	0.00	0.15	0.44	0.33	0.88	0.17	0.68	0.19	0.10	0.31	1.20	4.45
	(-0.89)	(-0.45)	(-0.26)	(0.04)	(0.01)	(0.29)	(-0.33)	(0.05)	(-0.21)	(-0.47)	(-0.44)	(0.41)	(-2.25)
Hanksville	0.00	T	0.17	0.11	0.20	0.54	0.00	0.35	0.15	0.02	0.55	0.13	2.22
	(-0.68)	(-0.41)	(-0.14)	(-0.27)	(-0.05)	(0.03)	(-0.42)	(-0.14)	(-0.15)	(-0.52)	(-0.18)	(-0.61)	(-3.54)
Logan	M	0.40	1.04	1.19	1.62	1.18	1.09	1.50	0.19	0.06	2.11	2.86	13.24
	—	(-1.33)	(-0.68)	(-0.21)	(-0.03)	(-0.84)	(-1.06)	(-0.54)	(-1.38)	(-0.72)	(1.14)	(1.24)	(-6.28)
Nephi	0.14	0.13	0.96	2.14	3.07	1.62	1.19	1.17	0.44	0.00	1.39	1.59	13.84
	(-1.12)	(-1.26)	(-0.37)	(0.95)	(1.88)	(-0.09)	(-0.32)	(-0.21)	(-0.41)	(-0.84)	(0.38)	(0.41)	(-1.00)
Salt Lake City	0.02	0.70	1.84	2.17	1.80	0.80	0.76	1.62	0.36	0.42	2.00	1.86	14.35
	(-1.42)	(-0.59)	(0.44)	(1.06)	(0.57)	(-1.11)	(-1.36)	(-0.18)	(-0.57)	(-0.39)	(1.14)	(0.58)	(-1.83)
Vernal	0.06	0.10	0.10	0.47	1.00	0.57	0.59	0.48	0.19	0.27	0.49	1.63	5.95
	(-1.00)	(-0.50)	(-0.53)	(0.05)	(0.59)	(-0.08)	(-0.22)	(-0.40)	(-0.60)	(-0.23)	(-0.09)	(0.76)	(-2.25)
Zion N.P.	0.00	0.18	0.06	0.77	3.43	1.96	0.30	0.28	0.01	0.21	1.39	0.33	8.92
	(-0.92)	(-1.28)	(-1.22)	(-0.82)	(1.83)	(-0.09)	(-0.85)	(-0.56)	(-0.47)	(-1.04)	(-0.40)	(-0.67)	(-6.49)
Total Departure	-10.73	-11.58	-6.32	1.95	6.76	-3.22	-9.52	-3.05	-4.93	-6.94	2.18	1.64	

[1]Provisional data.

[1]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.

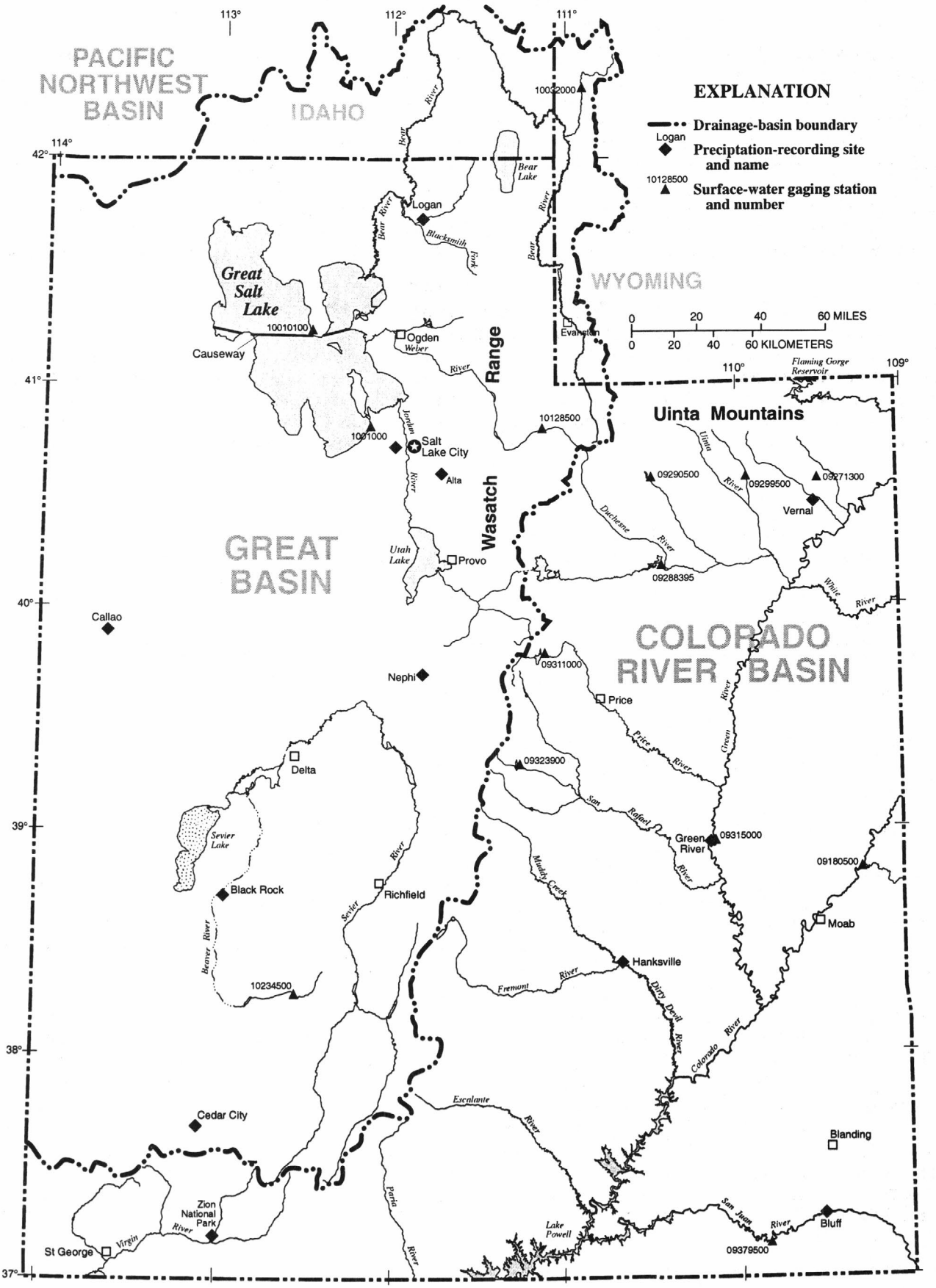

Figure 1. Selected precipitation-recording sites and U.S.G.S. surface-water gaging stations.

Statewide during the 2000 water year, 8 months received less-than-normal precipitation and 4 months received greater-than-normal precipitation. The five-month period of March to August was the longest continuous period of less-than-normal precipitation Statewide. October to December was the driest period, with an average of -9.54 inches less-than-normal precipitation for the three months. November was the driest month when all of the 12 stations recorded less-than-normal precipitation, with a total of -11.58 inches departure from normal. Greater-than-normal precipitation was recorded during January, February, August, and September. February was the wettest month with a departure from normal of +6.76 inches and 9 of the 12 stations recording greater-than-normal precipitation.

Streamflow, Flooding, and Reservoir Storage

Mean annual discharges at seven long-term, selected gaging stations (fig. 2) for water year 2000 were near the long-term annual twenty-fifth percentile (1944-1999) discharges. Three stations were slightly above the twenty-fifth percentiles; Colorado River near Cisco, Ut (09180500), Green River near Green River, Ut. (09315000), and Beaver River near Beaver, Ut. (10234500). The remaining four stations, Whiterocks River near Whiterocks, Ut. (09299500), San Juan River near Bluff, Ut. (09379500), Smiths Fork near Border, Wy. (10032000), and Weber River near Oakley, Ut. (10128500) recorded a mean annual discharge slightly less than the twenty-fifth percentile. Generally, the mean monthly discharges for all seven stations were near or above the long term median monthly discharges during October to April, with the notable exception of Smiths Fork, which recorded mean-monthly flows greater than the seventy-fifth percentile for October through March. During the spring snowmelt months of April, May, and June, the mean monthly discharges generally fell to less than the long term median monthly discharge. Discharges during the summer months through the end of the water year were generally near or less than the twenty-fifth percentile. No new long-term monthly mean maximums or minimums were recorded at any of the index stations during water year 2000, however, new record minimum discharges were recorded at nine gages statewide with more than 2 years of continuous record (table 2).

Table 2. Record minimum discharges, in cubic feet per second, established in 2000 water year.

Station	Drainage basin	Minimum discharge, water year 2000	Date	Instantaneous/ daily	Previous minimum discharge	Date	Years of record
09182200	Colorado	0.98	Jul 22	Daily	1.4	Sep 10,1994	9
09182400	Colorado	3.1	Jun 5	Daily	3.2	Jul 1994	9
09292000	Duchesne	17	Jul 30	Daily	18	Dec 1998	4
09295100	Duchesne	7.2	Aug 15	Daily	29	Apr 30, 1998	3
09403600	Kanab	2.9	Jul 27	Daily	3.0	Jun 15, 1986 Jul 20, 1994 Sep 1-3, 1995	22
09404700	Virgin	0.15	Aug 14	Daily	0.40	Aug 21, 1996	7
09404900	Virgin	30	Aug 11 - 13	Daily	33	Sep 7-9, 1993	9
10146400	Jordan	1.4	Aug 16	Instantaneous	1.5	Nov 4, 1992	23
10155400	Jordan	2.8	Sep 21	Daily	3.9	Apr 13, 1999	8

Combined reservoir contents on September 30, 2000, at 15 selected reservoirs in Utah averaged 69 percent of the long-term (1961-90) average-usable-contents[2], a decrease from 112 percent from the 1999 water year and the least since water year 1994 (56 percent). Contents at the end of the water year were less than the long-term average at 12 of the 15 reservoirs, with Sevier Bridge reservoir and Utah Lake being the only two greater than the long term average. The largest percent of capacity was at Sevier Bridge reservoir with 118 percent, and the smallest percent of capacity was at Moon Lake Reservoir near Mountain Home, Ut., which was 26 percent of capacity. Large demand for stored surface water for irrigation was the result of low natural instream flows caused by less-than-normal precipitation during the water year. Storage in Bear Lake, located in northern Utah, peaked at about 1,235,000 acre-feet on October 1, 1999, which is about 119,000 acre-feet less than the peak for the 1999 water year (1,354,000 acre-feet) and 120 percent of the long-term average contents (1,027,400 acre-feet). During the water year, the storage contents in Bear Lake generally declined to the minimum storage of 866,000 acre-feet on September 30, 2000, which is 229,000 less than the minimum for the 1999 water year (1,095,000 acre-feet).

The south part of Great Salt Lake (10010000) reached a maximum daily mean elevation for the 2000 water year of 4,204.0 feet above sea level on March 20, 2000 (fig. 3), which was 0.6 feet lower than the peak elevation for the previous water year. 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 normally occurs between late September and early December. The minimum elevation for the 2000 water year was 4201.5 feet above sea level during September 27-30, 2000, which is 0.8 feet lower than the minimum for the 1999 water year. The elevation of the north part of Great Salt Lake (10010100) ranged from a maximum of 4,202.7 feet above sea level during several days in March April and May, to a minimum of 4200.5 feet above sea level during September 24-30, 2000. Salinity of the north arm ranged from a minimum of 25.5 percent on April 4 and May 29, 2000 to a maximum of 26.6 percent on August 29, 2000, and averaged 26.0 percent (4 observations), up from 25.2 percent (4 observations) the previous water year.

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

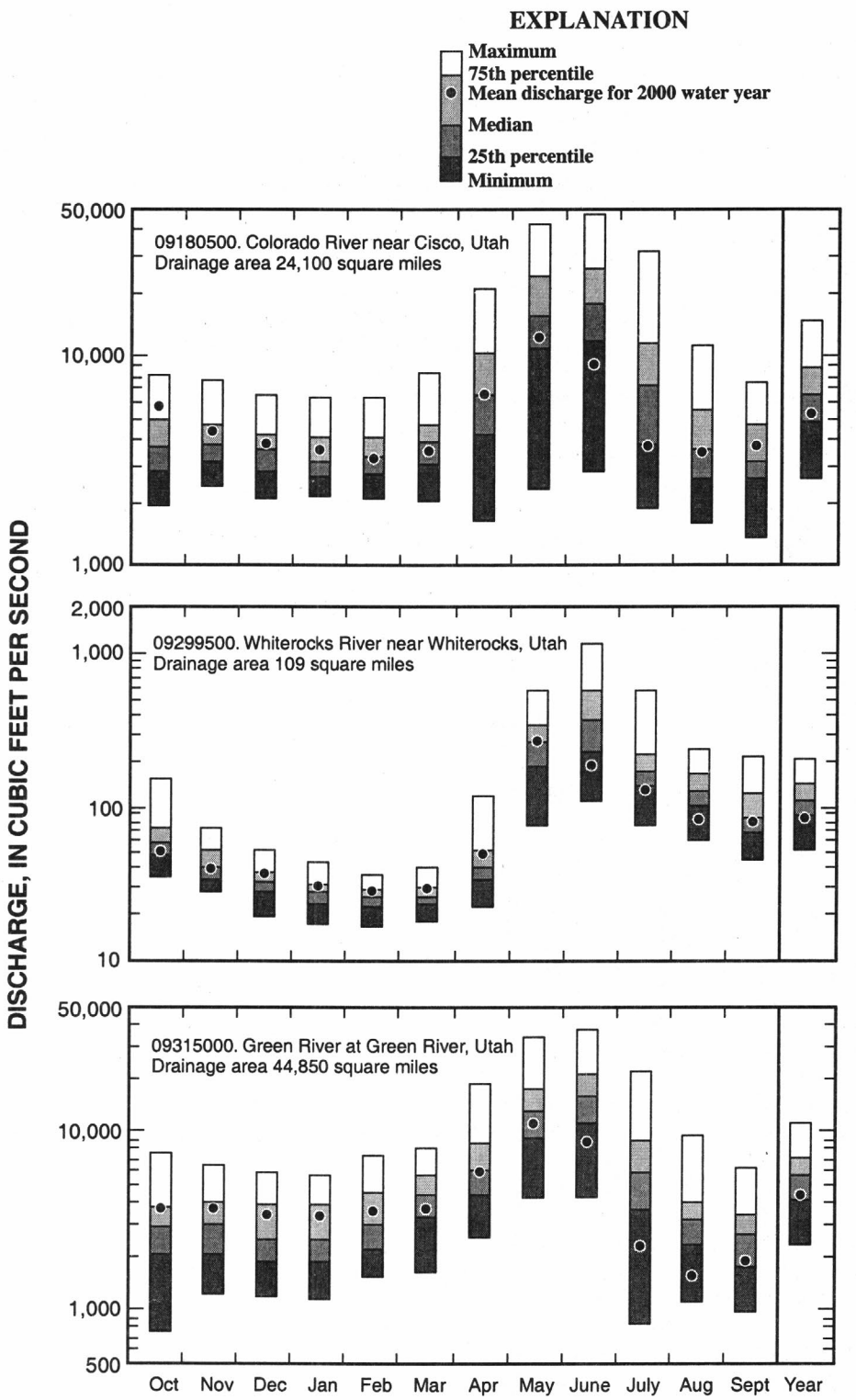

Figure 2. Comparison of monthly and annual mean discharge for water year 2000 with maximum, 75th percentile, median, 25th percentile, and minimum monthly and annual discharge for water years 1945-99 at seven long-term, representative streamflow-gaging stations in Utah and Wyoming.

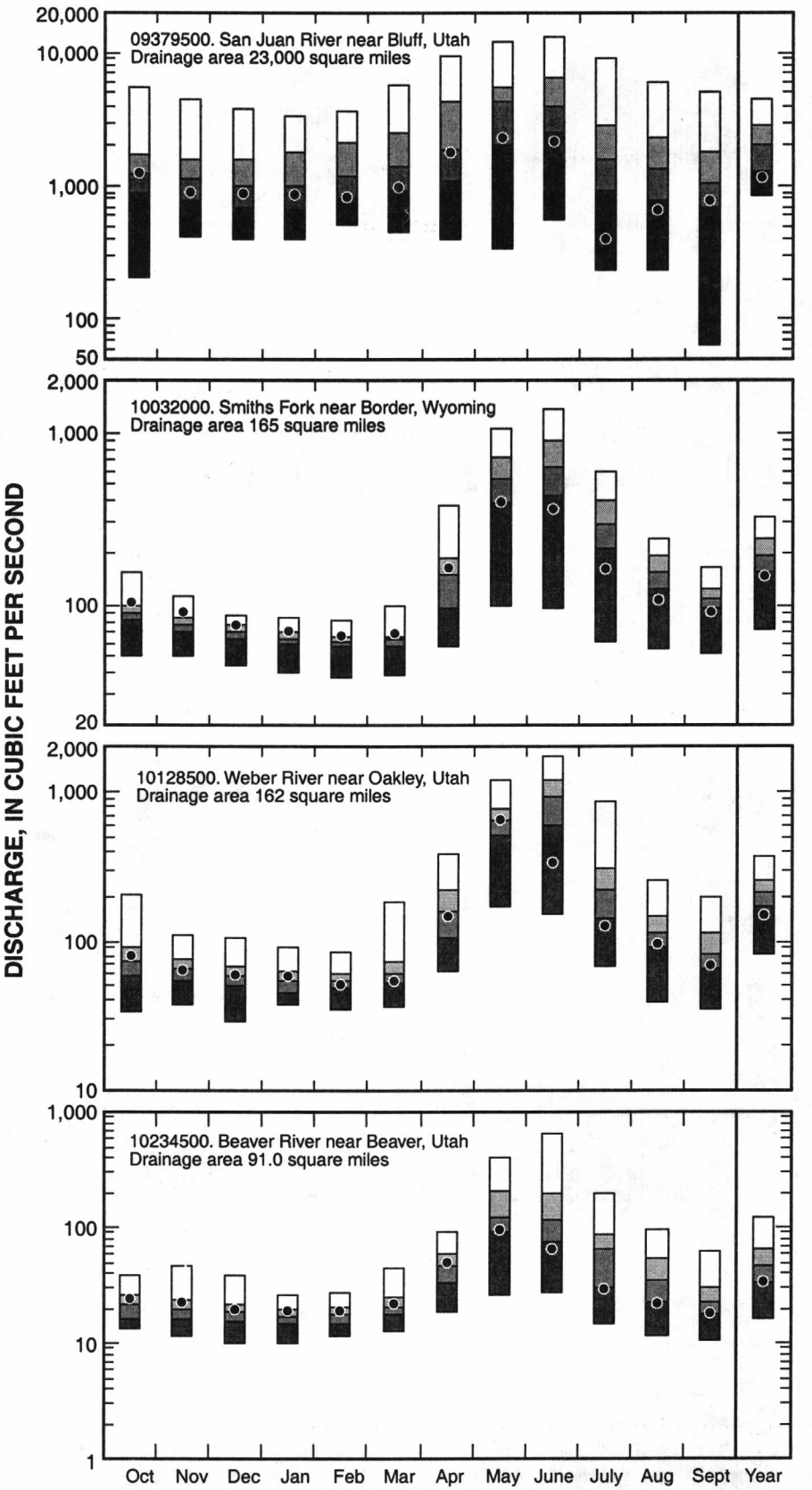

Figure 2. Comparison of monthly and annual mean discharge for water year 2000 with maximum, 75th percentile, median, 25th percentile, and minimum monthly and annual discharge for water years 1945-99 at seven long-term, representative streamflow-gaging stations in Utah and Wyoming--Continued.

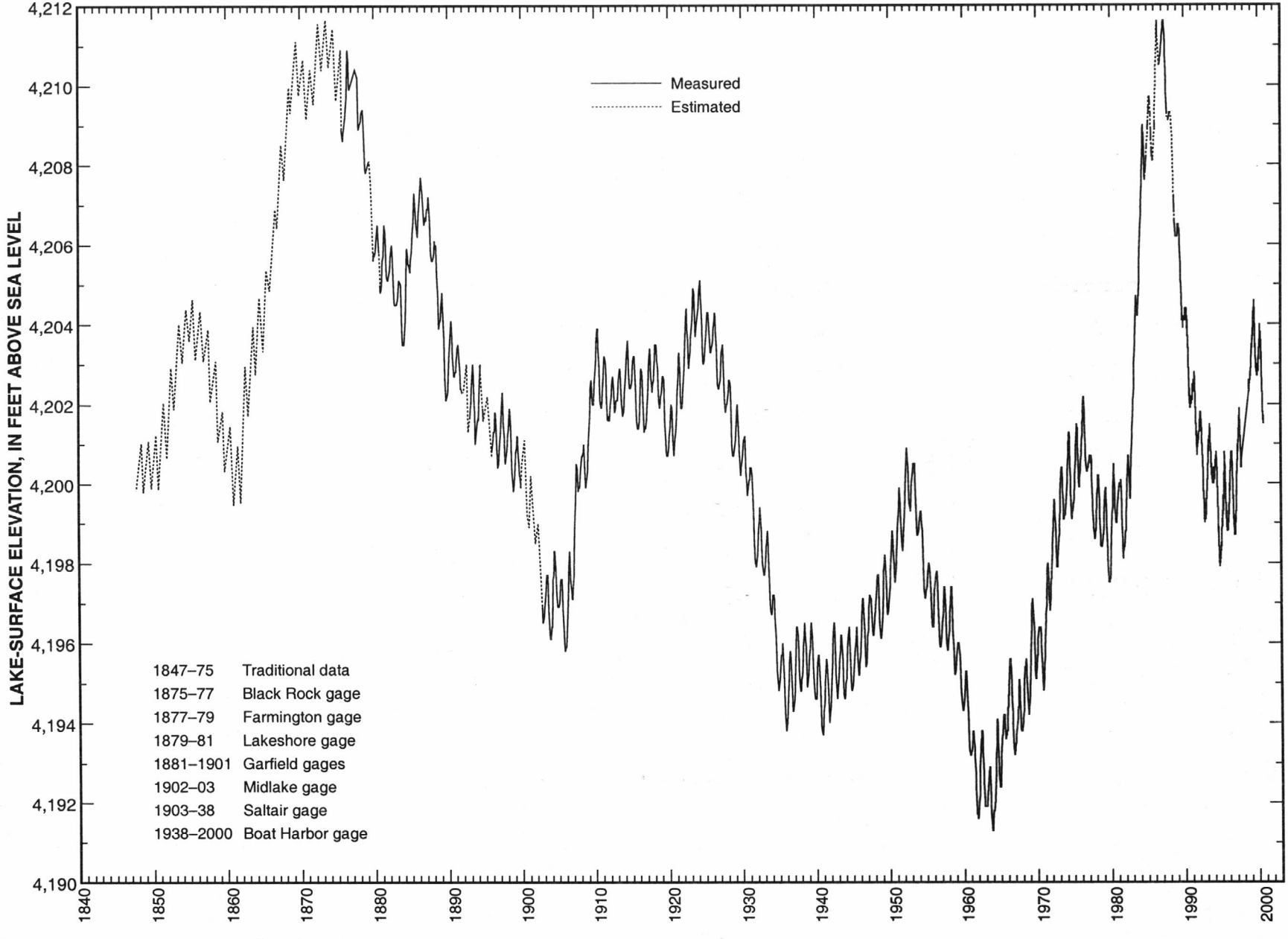

Figure 3. Fluctuations in elevation of Great Salt Lake, 1845-2000.

Ground Water

Six wells (fig. 4) were selected to show trends in ground-water levels for water years 1991-2000. The wells are in Curlew Valley, Pahvant Valley, Beryl-Enterprise area, East Shore area near Ogden and the Vernal and Blanding areas. The water-level hydrographs for the 1991-2000 water years (fig. 5) show that Statewide water-level trends generally declined slightly during water year 2000. When compared to water year 1999, water levels generally declined about 2 feet in well (B- 6- 2)26ada- 1 near Ogden; in well (D-36-22)22daa- 1 in Blanding, water levels declined about 3 feet. The largest water level declines occurred in wells located in the southwest part of the State. In Iron County, well (C-36-16)29daa- 1 declined 2 to 7 feet compared to water year 1999, and recorded a new record minimum of 202.47 feet below land surface datum. Water levels in this well have generally declined since a recorder was installed in water year 1990.

Statewide, of the 36 wells equipped with continuous recording devices for more than two consecutive years, 1 well recorded record-maximum water levels during the 2000 water year, and 3 recorded record-minimum water levels. The well that recorded record maximum is located in Utah county, and the 3 wells with new record minimums are located in Box Elder and Iron counties. In Wasatch County, 26 wells have been measured on a monthly basis since 1993. Of those 26 wells, a new maximum water-level for period-of-record was measured in 1 well and new minimum water levels for period-of-record were measured in 7 wells.

Chemical quality of streamflows

Long-term water-quality data are collected at three National Stream-Quality Accounting Network (NASQAN) stations in Utah (fig. 6), which is the same as for the1999 water year. Water-quality samples or data were also collected at 10 other sites in the Colorado River Basin, which is 3 more than in water year 1999. Water quality samples or data were collected at ten surface water gaging stations in the Great Basin as part of the National Water-Quality Assessment Program (NAWQA).

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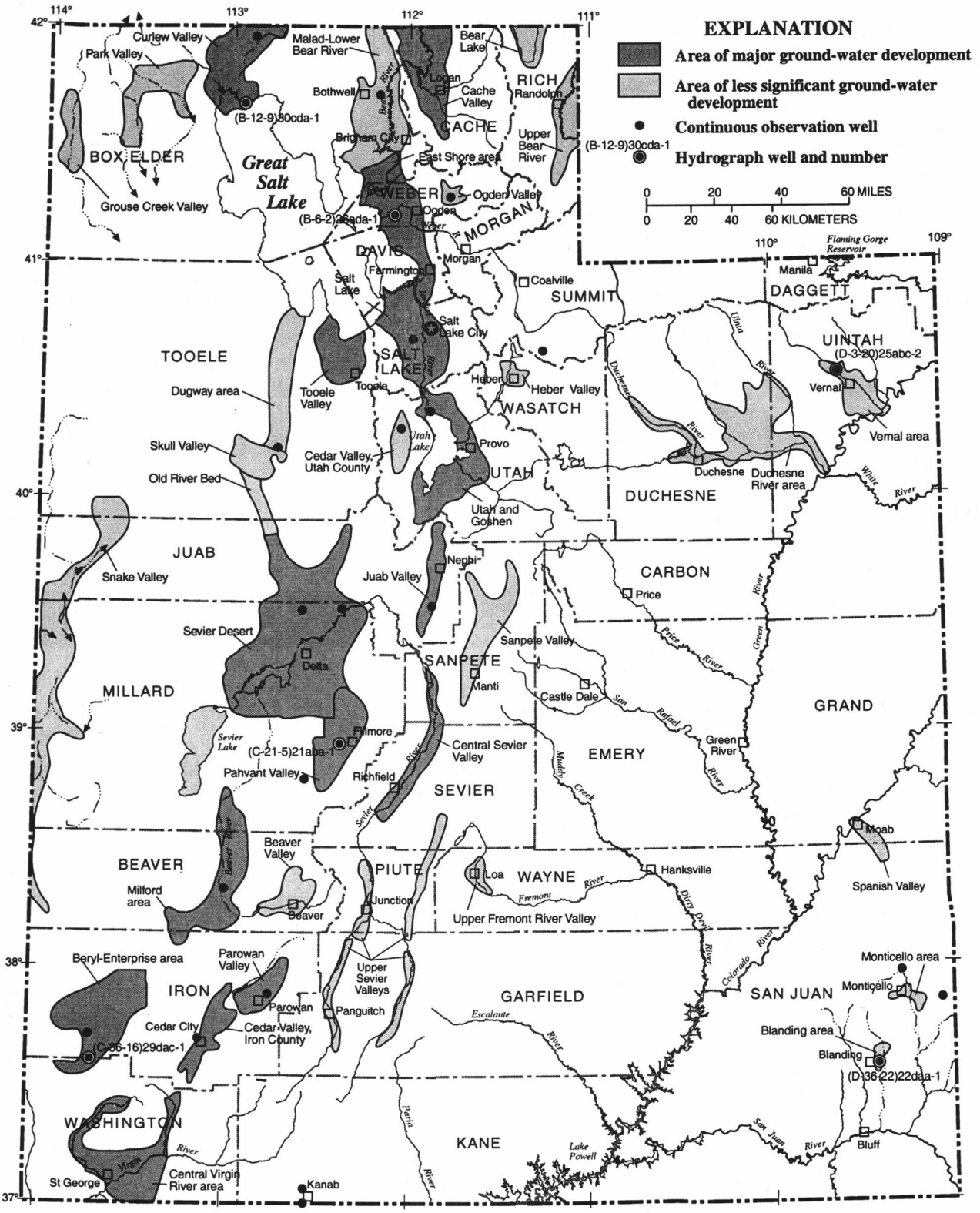

Figure 4. Areas of ground-water development and location of selected observation wells.

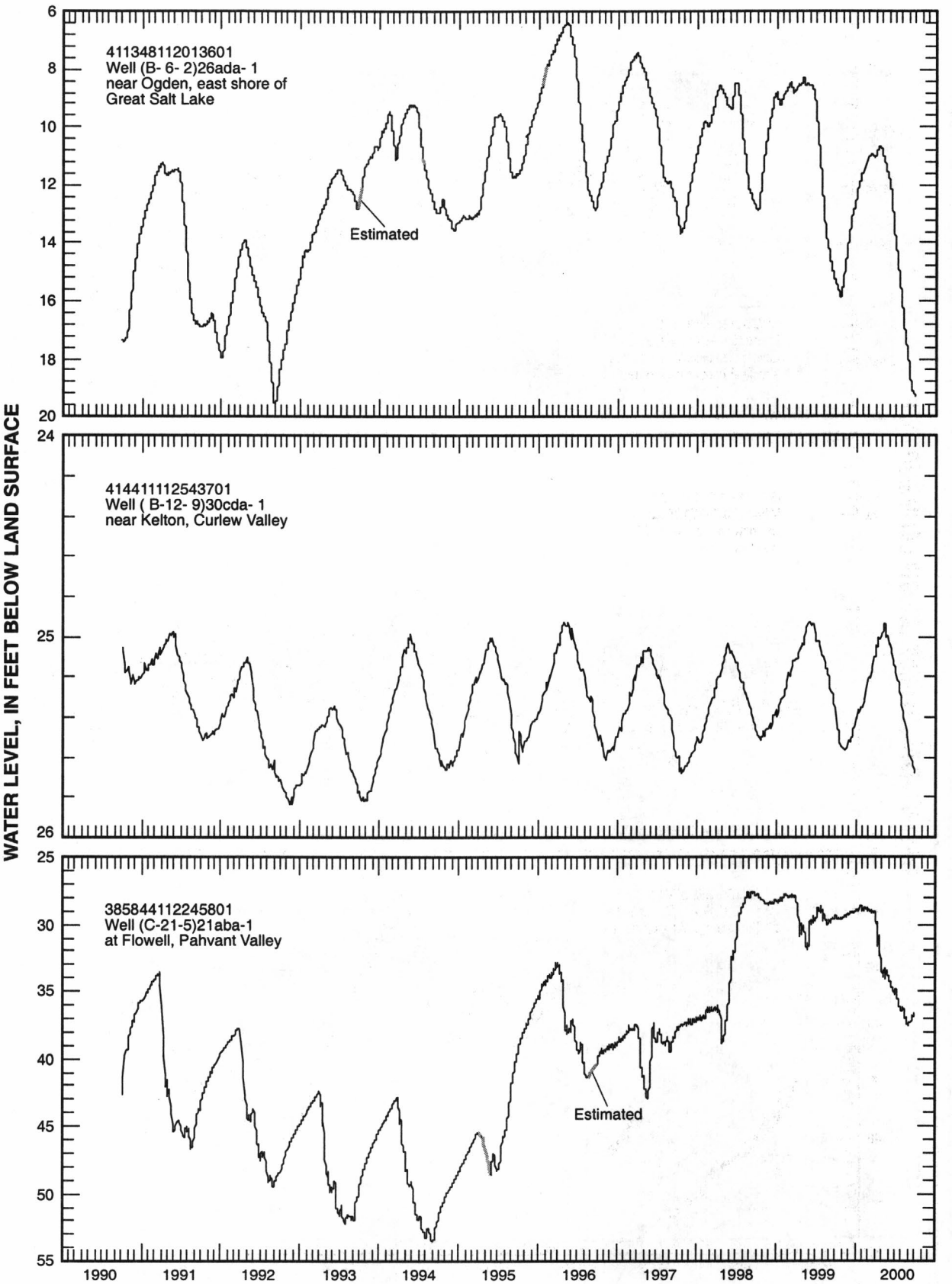

Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1991-2000.

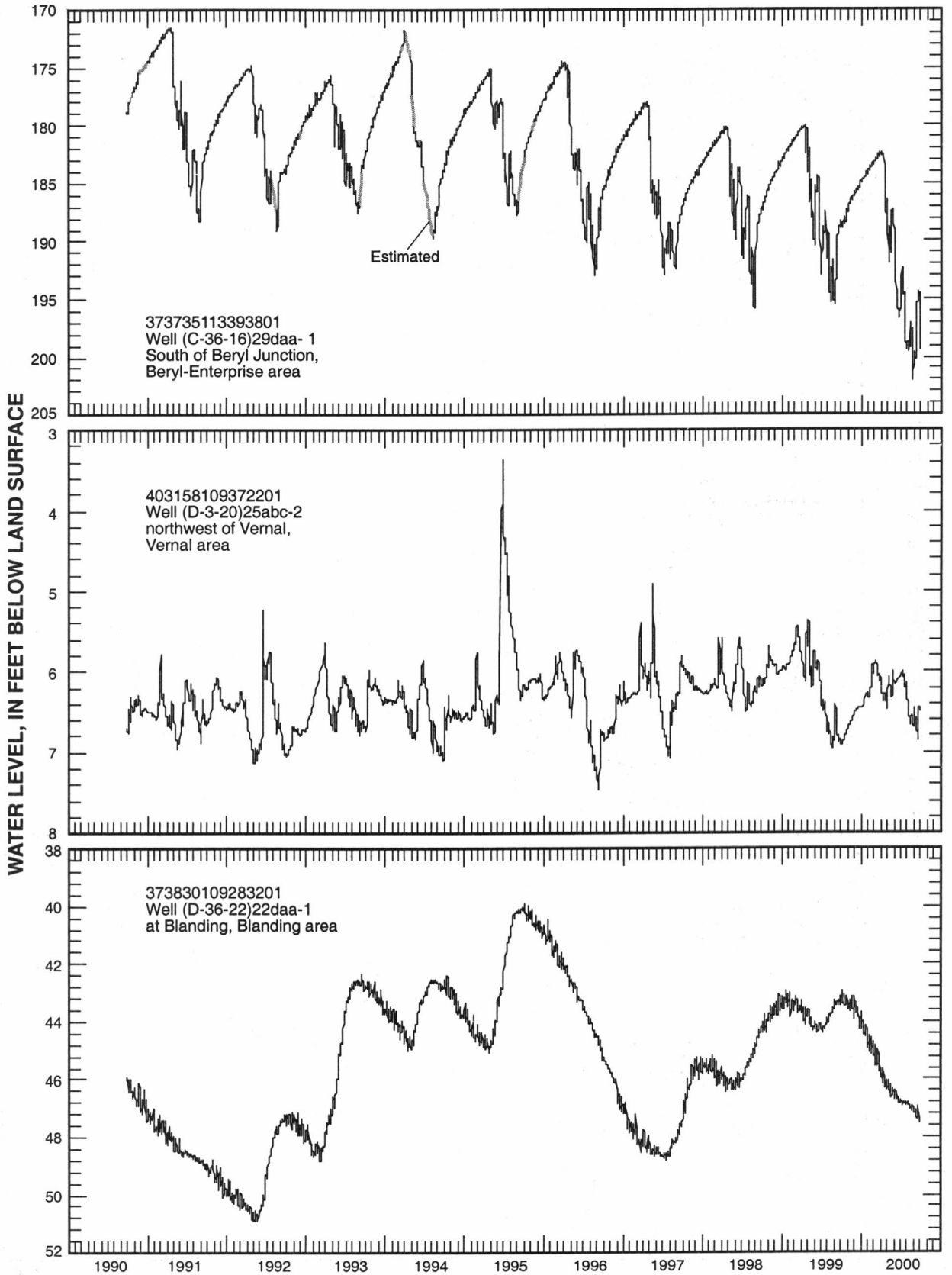

Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1991-2000--Continued.

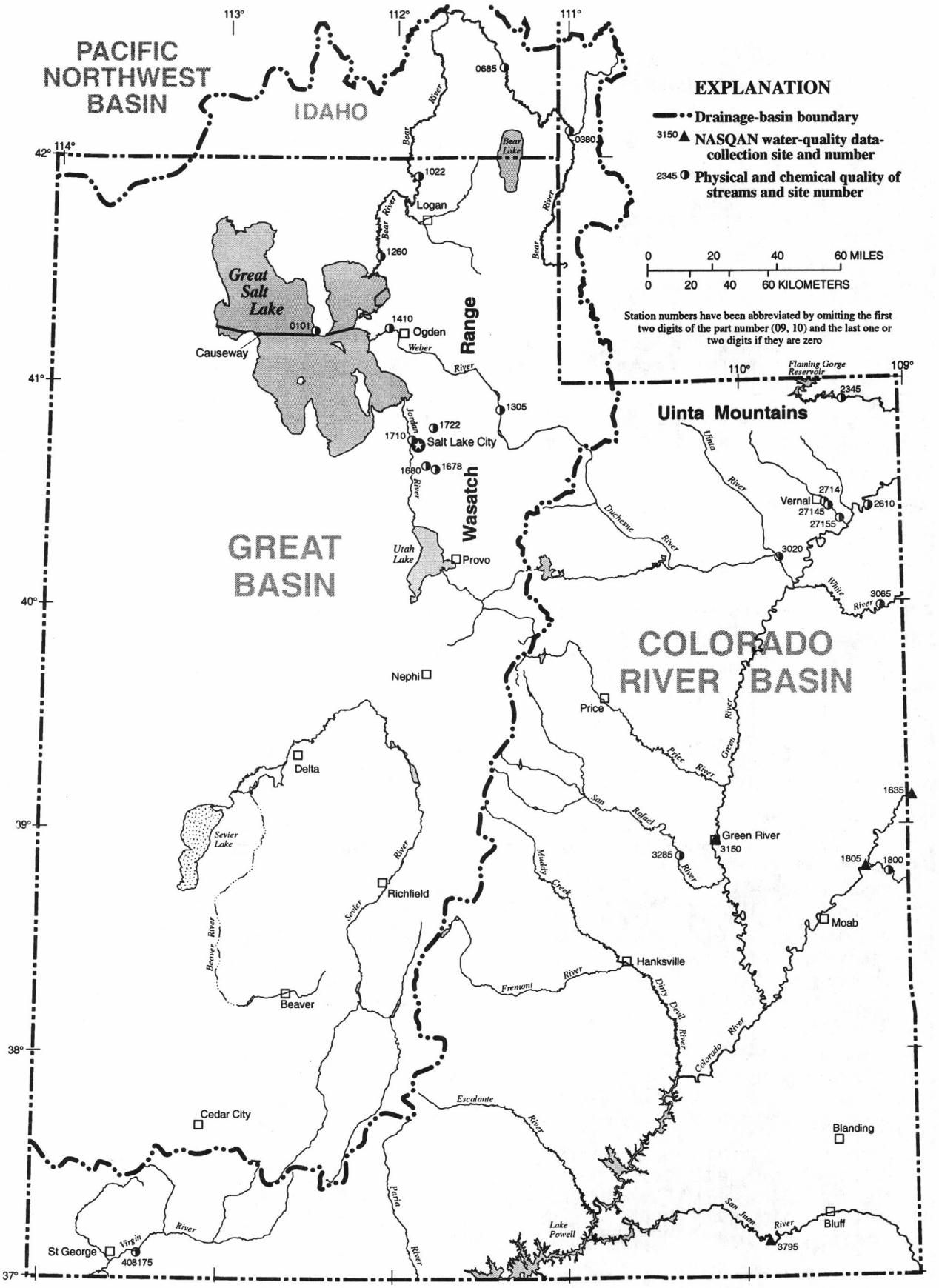

Figure 6. Location of three National Stream-Quality Accounting Network (NASQAN) and other surface-water sites at which water-quality data were collected in water year 2000.

DEFINITION OF TERMS

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

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

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

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

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

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

Annual runoff is 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, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters

Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] 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.

Inch (IN., in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type and the last two digits represent the weight percent of the hydrogen substituted chlorine.

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

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

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded 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 plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar and subsequent transfer to

EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, Streptococcus avium*, and their variants.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is flow in a channel sustained by ground-water discharge in the absence of direct runoff.

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

Benthic organisms (invertebrates) are the group of animals inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

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

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

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

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

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

Biomass pigment ratio is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

Bottom material: See "Bed material."

Cells/volume refers to the number of plankton cells or natural units counted using a microscope and grid or counting cell. Results are generally reported as cells or units per milliliter.

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements on cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

sphere $4/3\ \pi r^3$ cone $1/3\ \pi r^3 h$ cylinder $\pi r^3 h$.

From cell volume, total algal biomass expressed as biovolume ($\mu m^3/mL$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

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 BOD or with carbonaceous organic pollution from sewage or industrial wastes.

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

Colloid is any substance with particles in such a fine state of subdivision dispersed in a medium (for example, water) that they do not settle out; but not in so fine a state of subdivision that they can be said to be truly dissolved.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases the water level can rise above the ground surface, yielding a flowing well.

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.

Continuous-record station is a site that meets either of the following conditions:

Stage or streamflow are recorded at some interval on a continuous basis. The recording interval is usually 15 minutes, but may be less or more frequent.

Water-quality, sediment, or other hydrologic measure-ments are recorded at least daily.

Control designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the station. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, 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 saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second, 448.8 gallons per minute, or 0.02832 cubic meters per second.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,317 gallons, or 2,447 cubic meters.

Daily record is a summary of streamflow, sediment, or water-quality values computed from data collected with sufficient frequency to obtain reliable estimates of daily mean values.

Daily record station is a site for which daily records of streamflow, sediment, or water-quality values are computed.

Datum, as used in this report, is an elevation above mean sea level to which all gage height readings are referenced.

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or flow, is the volume of water (or more broadly, volume of fluid including solid- and dissolved-phase material), that passes a given point in a given period of time.

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days in a 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 discharge is the discharge at a particular instant of time.

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

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer 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 oxygen (DO) content of water in equilibrium with air is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant offset. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

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 that 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 0.4926 to reflect the change. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

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

$$= -\sum \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

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

Drainage area of a site on a stream is that area, measured in a horizontal plane, that has a common outlet at the site for its surface runoff. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth's surface that is occupied by a drainage system with a common outlet for its surface runoff (see "Drainage area").

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue.

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is the elevation of the zero point of the reference gage from which gage height is determined as compared to sea level (see "Datum"). This elevation is established by a system of levels from known benchmarks, by approximation from topographic maps, or by geographical positioning system.

Gage height (G.H.) is the water-surface elevation referenced to the 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 site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Ground-water level is the elevation of the water table or another potentiometric surface at a particular location.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate ($CaCO_3$).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. See NOAA web site: *http://www.co-ops.nos.noaa.gov/tideglos.html*

Hydrologic benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the U.S. Geological Survey. Each hydrologic unit is identified by an 8-digit number.

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

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation

$$I = I_o e^{-\lambda L},$$

where I_o is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light attenuation coefficient is defined as

$$\lambda = -\frac{1}{L}\log_e \frac{I}{I_o}.$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. See NOAA web site: *http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that are usually arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

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

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

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

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

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

Microsiemens per centimeter (US/CM, µS/cm) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent 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.

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are collected once, or more often on a random or discontinuous basis.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place. See NOAA web site: *http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88*

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), suspended organic carbon (SOC), or total organic carbon (TOC).

Organism is any living entity.

> **Organism count/area** refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m^2), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.
>
> **Organism count/volume** refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

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

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with the 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	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/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 matter 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 or **percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periodic station is a site where stage, discharge, sediment, chemical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (ci). A curie is the quantity of any radioactive nuclide that yields 3.7×10^{-10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL of sample).

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

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

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

Euglenoids (*Euglenophyta*) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

Fire algae (*Pyrrhophyta*) are a group of algae that are free-swimming unicells characterized by a red pigment spot.

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

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

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

Polychlorinated naphthalenes (PCN's) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCB's) and have been identified in commercial PCB preparations.

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

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. Carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. Oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

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

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

River mile is the distance of a point on a river measured in miles from the river's mouth along the low-water channel.

River mileage is the linear distance along the meandering path of a stream channel determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council.

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

Sea level 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. See: *http://www.co-ops.nos.noaa.gov/ glossary/gloss_n.html#NGVD*

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

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along or very close to the bed. In this report, bed load is considered to consist of particles in transit from the bed to an elevation equal to the top of the bed-load sampler nozzle (usually within 0.25 ft of the streambed).

Bed-load discharge (tons per day) is the quantity of sediment moving as bed load, reported as dry weight, that passes a cross section in a given time.

Suspended sediment is the sediment that 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). The entire sample is used for the analysis.

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

Suspended-sediment discharge (tons/day) is the quantity of sediment moving in suspension, reported as dry weight, that passes a cross 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 term that refers to material in suspension. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment 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, reported as dry weight, that passes a cross section in a given time.

Total sediment load or total load is a term that refers to the total sediment (bed load plus suspended-sediment load) that is in transport. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with total sediment discharge.

Seven-day 10-year low flow (7Q10, $7Q_{10}$) is the minimum flow averaged over 7 consecutive days that is expected to occur on average, once in any 10-year period. The 7Q10 has a 10-percent chance of occurring in any given year.

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

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 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.

Stable isotope ratio (per MILL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage: See "Gage height."

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

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

Substrate is the physical surface upon which an organism lives.

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

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

Surface area of a lake or impoundment is that area encompassed by the boundary of the lake or impoundment as shown on USGS topographic maps, or on other available maps or photographs. The computed surface areas reflect the water levels of the lakes or impoundments at the times when the information for the maps or photographs was obtained.

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

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

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

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

Suspended, total is the total amount of a given constituent in the part of a representative suspended-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. 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.

Synoptic Studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

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

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

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

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

Tons per day (T/DAY, tons/d) is the rate representing a mass of 1 ton of a constituent in streamflow passing a cross section in 1 day. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the total amount of a given constituent in a representative 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 suspended-sediment mixture and that the analytical method determined all of the constituent in the sample.)

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

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

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

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

Turbidity is a measurement of the collective optical properties of a water sample that cause light to be scattered and absorbed rather than transmitted in straight lines; the higher the intensity of scattered light, the higher the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU) or Formazin turbidity units (FTU) depending on the method and equipment used.

Volatile organic compounds (VOC's) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOC's are manmade chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

Water level is the water-surface elevation or stage of the free surface of a body of water above or below any datum (see "Gage height"), or the surface of water standing in a well. usually indicative of the position of the water table or other potentiometric surface.

Water table is the upper surface of a zone of saturation. The water at this surface is at atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which is found the water table.

Water year in U.S. 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, 1999, is called the "1999 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.

Well is an excavation (pit, hole, tunnel), generally cylindrical in form and often walled in, drilled, dug, driven, bored, or jetted into the ground to such a depth as to penetrate water-yielding geologic material and allow the water to flow or to be pumped to the surface.

Wet weight refers to the weight of animal tissue or other substance including its contained water.

WSP is used as an abbreviation for "Water-Supply Paper" in reference 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 09004100, which appears just to the left of the station name, includes a 2-digit part number "09" plus the 6-digit downstream order number "041010."

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 7.

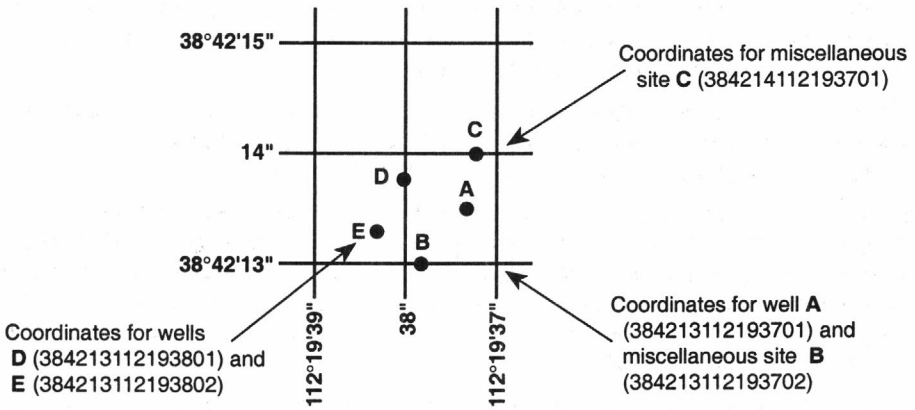

Figure 7. System for numbering wells and miscellaneous sites (latitude and longitude).

In addition to the well number that is based on latitude and longitude given for each well, another well number is given that is based on the U.S. Bureau of Land Management's system of land subdivision. This well number is familiar to the water users of Utah and shows the location of the well by quadrant, township, range section, and position within the section. See figure 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.

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. Sam-

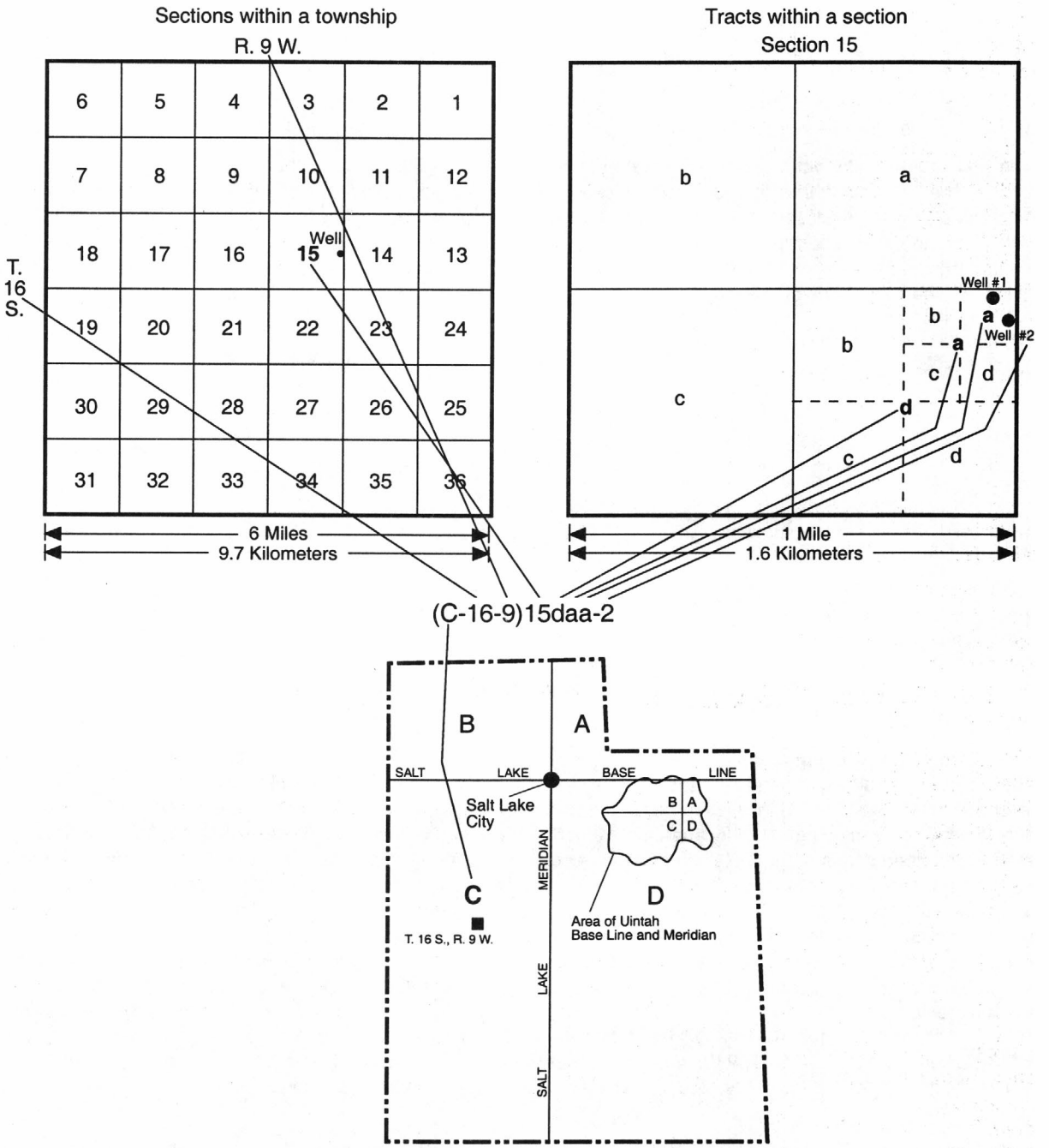

Figure 8. System for numbering wells and miscellaneous sites (township and range).

ples 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 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 dis-

charge 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 Discharge.") If a REMARKS paragraph is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

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

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

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first 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 or 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).
V	Analyte was detected in both the environmental sample and the associated blanks
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

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

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 Quality-Control Data

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this district are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. There are many types of blank samples possible, each designed to segregate a different part of the overall data-collection process. The types of blank samples collect in this district are:

Field blank - a blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank - a blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank - a blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank - a blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank - a blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank - a blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank - a blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory whose composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. There are many types of replicate samples possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are: Sequential samples - a type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample - a type of replicate sample in which a sample is split into subsamples contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

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

Generally, 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. In addition to the wells with continuous recorders, water-level data collected on a monthly basis for 26 selected wells in Wasatch County are also published.

Each well is identified by means of (1) a15-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 may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundreths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Access to WATSTORE Data

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at

http://water.usgs.gov

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 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 District Offices (See address on the back of the title page.)

TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The U.S.G.S. 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.G.S., 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 made in the form of a 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 mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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, chap. 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, chap. D2. 1976. 24 pages.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

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, chap. D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies,* by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 pages.

Section E. Subsurface Geophysical Methods

2-E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 pages.

Section F. Drilling and Sampling Methods

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, chap. F1. 1989. 97 pages.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. 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, chap. A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS–TWRI book 3. chap. A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. 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, chap. A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. 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, chap. 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, chap. A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow,* by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers,* by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI book 3, chap. 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, chap. A18. 1989. 52 pages.

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

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3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 pages.

Section B. Ground-Water Techniques

3-B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS–TWRI book 3, chap. 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, chap. 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, chap. B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 pages.

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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, chap. 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, chap. 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, chap. B7. 1992. 190 pages.

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3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 pages.

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

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

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

4-A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 pages.

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply,* by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 pages.

Section D. Interrelated Phases of the Hydrologic Cycle

4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 pages.

Book 5. Laboratory Analysis

Section A. Water Analysis

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, chap. 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, chap. A2. 1971. 31 pages.

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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, chap. 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, chap. 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, chap. A6. 1982. 181 pages.

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5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 pages.

Book 6. Modeling Techniques

Section A. Ground Water

6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 pages.

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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, chap. 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, chap. 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, chap. 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: USGS–TWRI book 6, chap. A5,1996. 125 pages.

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Section C. Computer Programs

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, chap. 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, chap. 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, chap. C3. 1981. 110 pages.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

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

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

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

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

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9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

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9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 pages.

9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 pages.

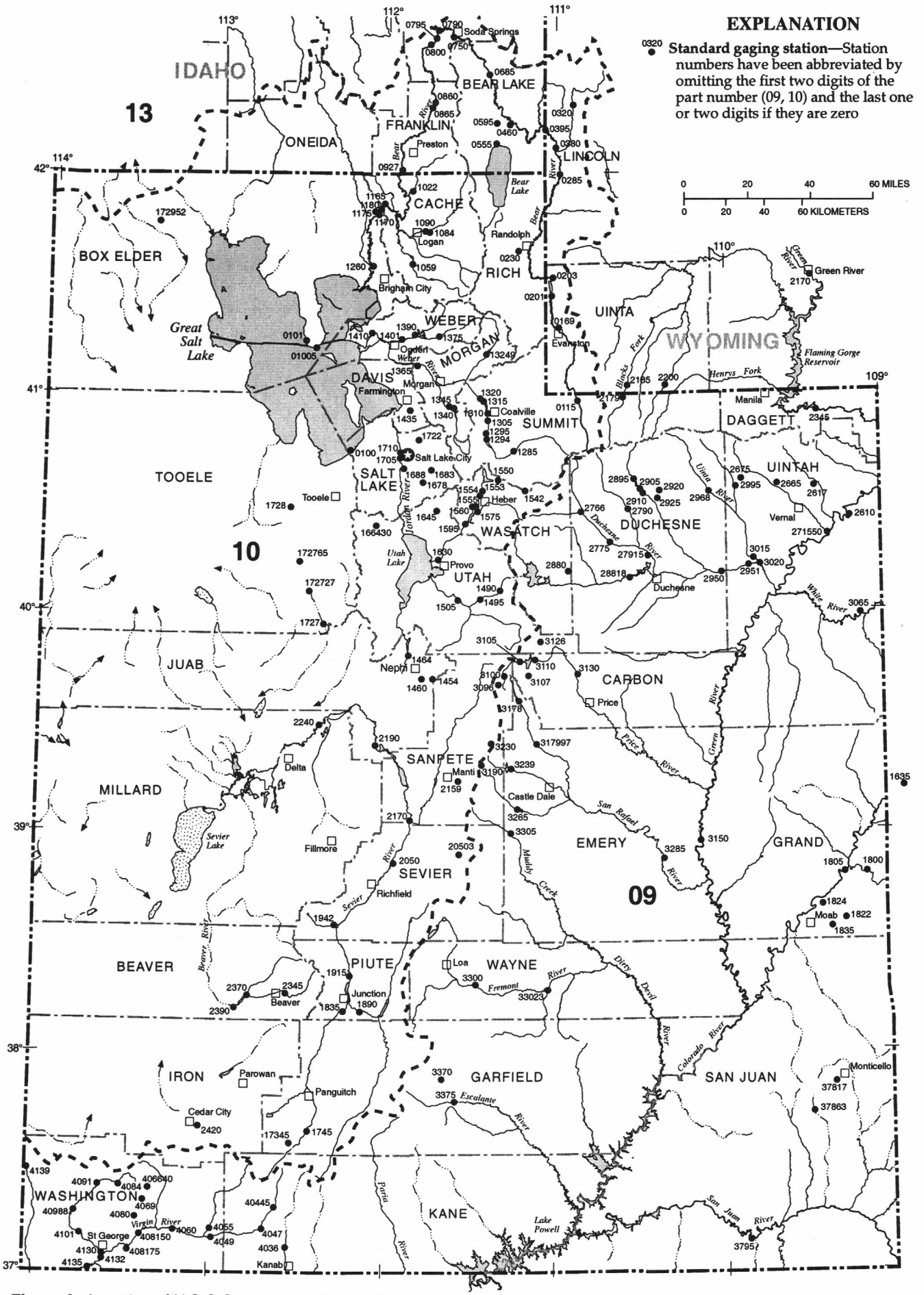


Figure 9. Location of U.S.G.S. gaging stations in Utah.

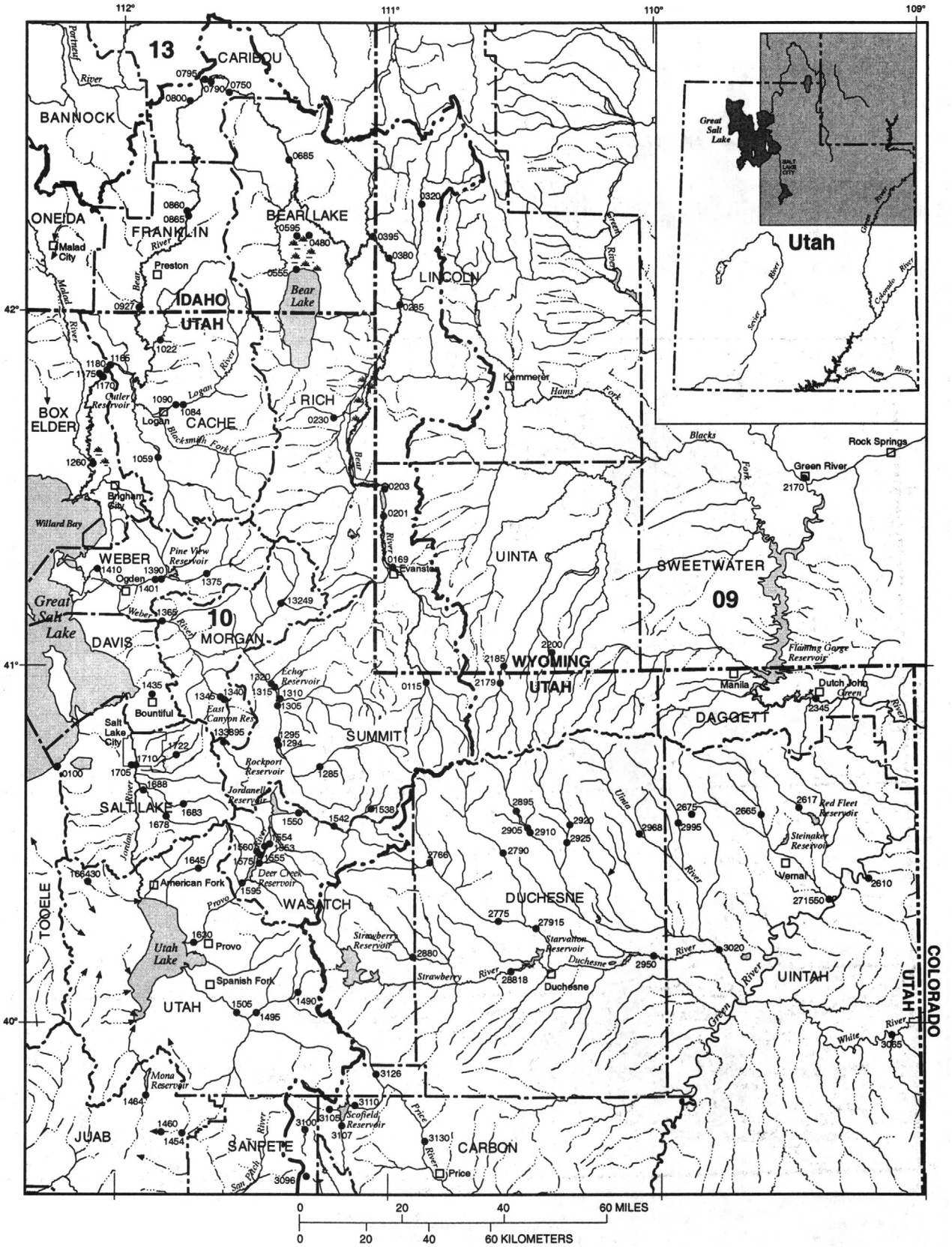


Figure 9. Location of U.S.G.S. gaging stations in Utah—Continued.

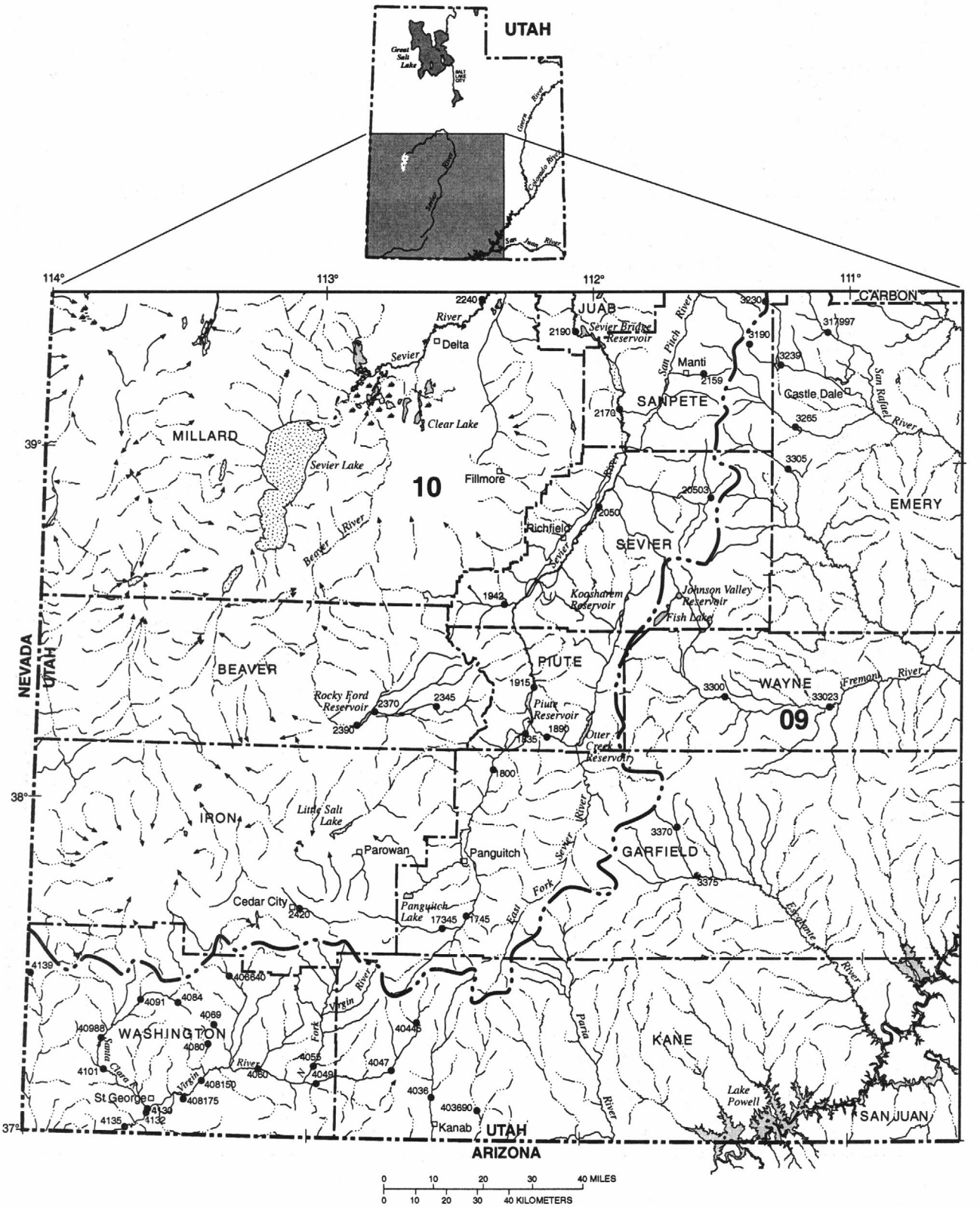


Figure 9. Location of U.S.G.S. gaging stations in Utah—Continued.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in $SE^1/_4NW^1/_4$ 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 and crest-stage gage. 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6140	5320	e3700	3230	2610	2880	3820	7660	16300	5380	2820	4480
2	6630	5520	e3700	3390	2640	2870	3870	7430	15500	5070	2750	4210
3	7260	5240	3700	3450	2780	2950	3700	7680	14400	4880	2570	3890
4	7870	4910	3720	3320	2830	3000	3570	8780	13500	4580	2590	3750
5	8010	4860	3590	3070	2880	2870	3530	9970	12500	4320	2870	3740
6	7300	4780	3450	3120	2890	2930	3670	11400	11400	4230	3000	3740
7	6600	4690	3280	2950	2870	3050	4140	12300	10500	3890	3100	3790
8	6420	4350	3400	2750	2830	3110	4530	12700	10200	3600	2970	3870
9	6280	4240	3600	2800	2840	3080	4930	13800	9670	3520	2910	4020
10	5780	4140	3720	3210	2830	3140	5110	12300	9500	4020	2820	3980
11	5270	3770	3490	3380	2940	3040	5560	10900	8820	4160	2850	3930
12	4930	3510	3540	3150	3090	2940	5470	11500	8070	3860	2950	3720
13	4800	e3300	3570	3100	3040	2930	5350	11700	7660	3620	3100	3490
14	4810	e3900	3430	3110	2980	2800	5640	10300	7070	3380	3210	3290
15	4660	e3850	3160	3010	2940	2880	6150	9300	6470	3170	3310	3160
16	4690	e3920	3100	2970	2920	3000	6290	8510	6510	3140	3250	3090
17	4820	3860	3280	2980	2900	3220	5590	7960	6730	3550	3240	3030
18	5050	3820	3670	3090	3230	3150	5400	8430	6390	4200	3450	3110
19	5110	e3700	3640	3230	3120	3310	5890	8400	6360	4130	3630	3330
20	5150	e3750	3540	3270	2960	3530	5700	8200	6960	3690	3930	3300
21	5130	3710	3650	3240	2860	3600	5040	8290	7730	3180	4190	3300
22	5040	e3900	3510	3240	2870	3700	5050	8630	7770	2900	4150	3520
23	5130	e3870	3510	3170	2960	3690	5090	9090	7010	2690	4020	3710
24	5120	e3750	3420	3000	2870	3560	5210	11000	6350	2630	3730	4160
25	5120	e3600	3350	2820	2890	3460	5570	14600	6120	2610	3590	3870
26	5110	e3400	3340	2750	2900	3420	5610	15700	5820	2670	3460	3830
27	5100	e3750	3320	e2900	2820	3560	5860	14600	5960	2680	3510	3760
28	5200	e3900	3300	e2950	2810	3570	6510	12700	6240	2750	3920	3560
29	5190	e3850	3260	2910	2850	3810	7590	12900	6000	2920	3940	3250
30	5150	e3650	3280	2700	---	3800	7910	15300	5700	2880	4060	3320
31	5280	---	3240	2560	---	3640	---	17000	---	2950	4510	---
TOTAL	174150	122810	107460	94820	83950	100490	157350	339030	259210	111250	104400	109200
MEAN	5618	4094	3466	3059	2895	3242	5245	10940	8640	3589	3368	3640
MAX	8010	5520	3720	3450	3230	3810	7910	17000	16300	5380	4510	4480
MIN	4660	3300	3100	2560	2610	2800	3530	7430	5700	2610	2570	3030
AC-FT	345400	243600	213100	188100	166500	199300	312100	672500	514100	220700	207100	216600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

MEAN	4045	4064	3638	3412	3480	3933	5969	14340	17450	7940	3976	3719
MAX	7672	6925	5993	6129	5996	7486	15600	37960	43830	29650	10190	7174
(WY)	1987	1987	1986	1985	1985	1986	1985	1984	1957	1995	1983	1997
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	2203530		1764120			
ANNUAL MEAN	6037		4820		6362	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	17200	May 31	17000	May 31	68300	May 27 1984
LOWEST DAILY MEAN	1900	Apr 14	2560	Jan 31	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2190	Apr 14	2700	Jul 22	1110	Sep 2 1956
INSTANTANEOUS PEAK FLOW			17900	May 31	a69800	May 27 1984
INSTANTANEOUS PEAK STAGE			8.64	May 31	b16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	4371000		3499000		4609000	
10 PERCENT EXCEEDS	13500		8320		14000	
50 PERCENT EXCEEDS	5050		3710		4050	
90 PERCENT EXCEEDS	3090		2880		2280	

e Estimated.
a At site 0.2 mi downstream, at present datum.
b From high-water mark.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to current year.
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.-- Daily records of specific conductance are good, except for periods Oct. 1-8, Apr. 5 to May 8, Sept. 14-30, which are fair, and the periods Dec. 1 to Feb. 24, and June 23 to July 18, which are poor. Daily records of water temperature are good. October 1979, water-quality data collection was moved 5.5 mi upstream to this site from previous site 09163530. Water-quality records for this site are considered to be equivalent to data obtained at old site. Data from the old site are stored with this station. Prior to October 1995, unpublished maximum and minimum specific conductance data available in district office.

Note: The following remark codes may appear in the data tables below: e, estimated; E, estimated laboratory analysis value; K, based on non-ideal colony count; M, presence of material verified but not quantified.

Suspended Sediment Discharge table: a sampler code of 3009 is a D-74 suspended sediment sampler; a code of 3039 is a D-77 water-quality sampler. Suspended sediment concentrations associated with a sampler type coded 3039 were determined from a subsample split of a composite sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,940 microsiemens Aug. 13, 1981; minimum, 277 microsiemens June 11, 1985.
WATER TEMPERATURE: Maximum, 27.0°C Aug. 7-9, 1981; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 25.7°C, July 14; minimum, 0.0°C, on several days.
SPECIFIC CONDUCTANCE: Maximum, 1,230 microsiemens/cm, Aug. 19; minimum, 375 microsiemens/cm, May 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)	OXYGEN, DIS-SOLVED (MG/L) (00300)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT										
08...	1200	6410	762	8.2	12.7	9.3	250	67.4	20.3	52.1
NOV										
16...	1330	3970	1100	8.5	5.6	11.8	340	88.5	29.6	91.6
JAN										
04...	1200	3350	1050	8.3	.1	13.0	310	82.9	24.6	89.6
27...	1340	3410	1120	8.1	4.1	10.5	320	80.5	28.4	111
FEB										
24...	1130	2880	1140	8.2	6.5	9.8	310	79.6	28.1	105
MAR										
22...	1330	3740	988	8.4	8.0	10.4	260	66.1	22.9	84.0
APR										
05...	1210	3550	946	8.4	11.3	11.6	280	72.4	24.4	81.8
25...	1115	5590	712	8.2	12.6	9.1	210	57.3	17.3	54.4
MAY										
08...	1300	12700	426	8.1	13.5	8.8	130	37.5	9.86	24.8
31...	1245	17200	391	8.0	16.4	8.3	140	38.5	9.82	21.6
JUN										
07...	1040	10800	492	8.1	17.3	8.1	160	44.7	11.6	30.1
23...	1045	7250	642	8.1	18.8	7.7	210	57.7	15.3	43.2
JUL										
18...	1050	4120	1060	8.3	23.0	7.0	340	92.6	26.5	78.3
AUG										
23...	1300	4100	1060	8.2	21.0	7.2	380	102	29.3	75.6
SEP										
14...	1230	3370	1140	8.4	19.1	8.6	410	110	31.9	84.9

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT										
08...	1	2.8	132	--	108	--	183	48.1	.3	10.3
NOV										
16...	2	3.3	163	5	142	--	266	87.1	.3	9.2
JAN										
04...	2	3.5	170	--	139	--	226	102	.3	11.0
27...	3	3.8	183	--	150	--	257	102	.4	10.2
FEB										
24...	3	3.8	173	5	150	--	244	108	.3	9.4
MAR										
22...	2	3.3	161	6	142	--	202	91.9	.3	9.0
APR										
05...	2	3.7	159	4	136	--	208	80.5	.3	9.3
25...	2	3.0	143	--	117	--	147	53.9	.2	9.5
MAY										
08...	.9	1.6	96	--	79	--	78.7	25.1	<.1	8.2
31...	.8	1.5	--	--	--	82	74.8	16.5	.1	7.6
JUN										
07...	1	1.7	100	--	82	--	99.6	29.0	.2	7.9
23...	1	2.4	121	--	99	--	144	41.3	.4	7.6
JUL										
18...	2	3.6	178	--	146	--	273	79.3	.3	9.8
AUG										
23...	2	3.8	163	--	134	--	299	66.6	.4	11.3
SEP										
14...	2	3.7	163	--	134	--	324	78.8	.5	8.8

DATE	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, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT									
08...	483	451	.66	8360	<.010	.309	<.020	.26	.15
NOV									
16...	688	662	.94	7370	<.010	.512	<.020	.31	.14
JAN									
04...	656	626	.89	5930	.012	.678	.045	.32	.18
27...	708	687	.96	6520	.014	.727	.070	.89	.18
FEB									
24...	686	669	.93	5330	<.010	.480	.079	.41	.26
MAR									
22...	600	567	.82	6060	<.010	.400	.034	.43	.17
APR									
05...	595	564	.81	5700	<.010	.370	<.020	.65	.20
25...	441	415	.60	6660	.011	.371	.032	.74	.23
MAY									
08...	266	234	.36	9120	<.010	.283	.034	1.2	.24
31...	233	212	.32	10800	<.010	.250	.035	1.5	.17
JUN									
07...	297	276	.40	8660	<.010	.325	<.020	.45	.28
23...	402	373	.55	7870	<.010	.363	<.020	.41	.19
JUL									
18...	678	651	.92	7540	.021	.817	.043	.55	.30
AUG									
23...	716	672	.97	7930	.013	.852	<.020	.86	.28
SEP									
14...	778	726	1.06	7080	.010	.744	<.020	.40	.20

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT									
08...	.069	.012	.019	2.8	.3	--	<10	3	2.7
NOV									
16...	.022	<.006	<.010	2.5	.3	--	<10	13	4.5
JAN									
04...	.031	.008	<.010	2.6	.3	--	E5	18	2.8
27...	.103	.012	<.010	3.0	1.7	--	<10	20	4.4
FEB									
24...	.054	.021	.019	2.5	.9	--	<10	20	4.1
MAR									
22...	.097	.010	<.010	2.7	.8	--	<10	14	3.1
APR									
05...	.121	.016	<.010	3.1	.4	--	<10	9	3.5
25...	.247	.033	.026	4.1	.7	--	E9	4	2.2
MAY									
08...	.541	.023	.013	4.4	1.1	<.8	10	5	1.5
31...	.588	.017	.017	3.7	.4	--	10	4	1.3
JUN									
07...	.126	.023	.015	3.1	.5	--	E6	2	1.8
23...	.092	.016	.011	3.4	.4	--	E5	<2	2.3
JUL									
18...	.181	.028	.021	3.4	.8	--	<10	3	5.1
AUG									
23...	.281	.025	.014	3.5	1.9	--	<10	<2	5.1
SEP									
14...	.092	.020	.014	3.8	.5	--	<10	3	6.1

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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. SIEVE DIAM. % FINER THAN .062 MM (70331)	SAMPLER TYPE (CODE) (84164)
OCT							
08...	1130	6410	12.7	105	1820	--	3009
08...	1200	6410	12.7	51	883	--	3039
NOV							
16...	1300	3990	5.6	24	257	--	3009
16...	1330	3970	5.6	13	139	--	3039
JAN							
04...	1200	3350	.1	19	172	--	3039
04...	1300	3550	.1	22	213	--	3009
27...	1320	3410	4.1	845	7780	99	3009
27...	1340	3410	4.1	833	7670	--	3039
FEB							
24...	1100	2860	6.5	224	1730	99	3009
24...	1130	2880	6.5	170	1320	--	3039
MAR							
22...	1230	3760	7.7	93	948	--	3009
22...	1330	3740	8.0	86	870	--	3039
APR							
05...	1130	3610	11.3	246	2390	--	3009
05...	1210	3550	11.3	227	2170	--	3039
25...	1045	5640	12.6	273	4150	--	3009
25...	1115	5590	12.6	242	3650	--	3039
MAY							
08...	1240	12600	13.5	414	14100	20	3009
08...	1300	12700	13.5	715	24500	--	3039
31...	1210	17200	16.4	892	41400	61	3009
31...	1245	17200	16.4	535	24900	--	3039
JUN							
07...	1020	10800	17.3	183	5340	60	3009
07...	1040	10800	17.3	166	4840	--	3039
23...	1010	7250	18.8	199	3900	--	3009
23...	1045	7250	18.8	62	1220	--	3039
JUL							
18...	0940	3970	23.0	157	1680	93	3009
18...	1050	4120	23.0	132	1470	--	3039
AUG							
23...	1230	4100	21.0	293	3240	96	3009
23...	1300	4100	21.0	287	3180	--	3039
SEP							
14...	1230	3370	19.1	94	860	--	3009
14...	1330	3350	--	99	898	--	3039

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	883	868	876	956	934	945	1020	976	994	1040	1030	1030
2	882	845	872	949	929	938	1030	978	995	1040	1020	1030
3	845	775	809	941	922	928	986	979	983	1040	1020	1030
4	775	705	738	954	936	943	986	965	974	1050	1030	1040
5	705	683	688	973	945	965	984	967	974	1060	1050	1050
6	719	684	699	998	971	984	996	983	990	1060	991	1030
7	753	715	732	1020	998	1010	998	980	991	1140	1030	1060
8	805	753	773	1040	1020	1030	1010	994	1000	1160	1110	1130
9	846	805	831	1050	1040	1050	1040	1010	1030	1130	1090	1110
10	856	845	852	1100	1050	1070	1060	1040	1050	1130	1100	1120
11	892	856	870	1120	1090	1100	1050	1000	1030	1130	1060	1090
12	925	892	911	1150	1090	1130	1020	1000	1010	1060	1020	1030
13	943	925	939	1190	1150	1170	1050	1020	1040	1040	1010	1030
14	948	936	941	1200	1170	1190	1040	1000	1020	1050	1030	1040
15	957	938	947	1190	1090	1150	1010	973	991	1060	1040	1050
16	963	943	956	1090	1080	1090	1020	1010	1020	1040	1020	1030
17	974	954	967	1100	1090	1090	1040	1010	1020	1060	1040	1050
18	969	956	964	1100	1090	1090	1040	1010	1020	1070	1060	1070
19	973	956	964	1090	1080	1090	1040	996	1020	1080	1070	1070
20	967	956	962	1090	1080	1090	996	961	972	1080	1070	1070
21	966	958	962	1080	1060	1070	983	963	972	1100	1080	1090
22	967	959	963	1060	1050	1060	984	976	979	1100	1080	1090
23	971	962	967	1060	1030	1050	981	964	972	1080	1070	1080
24	977	960	968	1060	1050	1050	983	966	974	1090	1080	1090
25	963	954	959	1050	1040	1040	983	961	972	1120	1090	1110
26	958	952	955	1040	1020	1030	993	976	981	1120	1120	1120
27	963	956	959	1030	1010	1020	1000	987	994	1130	1120	1130
28	964	958	961	1080	1030	1050	1020	997	1010	1150	1120	1130
29	973	964	970	1080	1020	1050	1020	1000	1010	1180	1150	1170
30	971	951	956	1020	996	1010	1030	1010	1020	1180	1160	1170
31	962	956	958	---	---	---	1040	1020	1030	1160	1140	1150
MONTH	977	683	899	1200	922	1050	1060	961	1000	1180	991	1080

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1160	1140	1150	1170	1110	1130	1030	923	957	565	552	559
2	1180	1150	1170	1120	1110	1120	962	932	942	573	561	566
3	1190	1170	1170	1120	1110	1110	938	931	935	576	565	571
4	1210	1140	1170	1130	1100	1110	959	930	946	571	538	558
5	1140	1110	1120	1120	1110	1120	971	942	953	538	513	529
6	1120	1090	1110	1120	1090	1110	976	887	923	514	476	496
7	1100	1080	1090	1110	1090	1100	888	840	864	477	412	447
8	1090	1070	1080	1100	1090	1100	842	802	819	422	407	416
9	1080	1070	1080	1110	1080	1100	802	766	781	441	415	426
10	1080	1070	1070	1140	1110	1130	766	729	743	483	441	463
11	1080	1070	1080	1150	1080	1130	729	681	698	522	483	502
12	1080	1050	1060	1110	1080	1090	681	656	664	503	476	495
13	1100	1060	1090	1120	1100	1110	661	648	655	476	468	473
14	1100	1090	1090	1110	1080	1110	657	630	639	519	468	491
15	1110	1090	1100	1120	1100	1110	631	619	624	563	519	541
16	1100	1080	1090	1100	1090	1100	642	624	631	605	563	585
17	1090	1080	1080	1090	1080	1080	672	642	654	621	605	614
18	1090	1080	1090	1080	1020	1050	675	669	672	631	605	618
19	1100	1070	1080	1070	1020	1050	675	653	661	605	581	587
20	1120	1090	1110	1040	1000	1020	672	651	658	599	583	592
21	1130	1120	1130	1020	965	988	691	672	681	603	589	596
22	1130	1120	1130	991	971	981	704	691	696	589	574	583
23	1140	1130	1130	1080	991	1020	712	703	705	576	560	572
24	1150	1130	1140	1040	1010	1020	725	712	718	563	502	536
25	1150	1130	1140	1030	1020	1030	725	704	713	502	405	449
26	1140	1120	1130	1070	1030	1040	704	656	670	415	396	403
27	1120	1110	1110	1070	1020	1040	661	636	645	419	396	406
28	1120	1110	1120	1080	1020	1040	644	620	627	470	419	445
29	1120	1110	1120	1030	983	1010	623	592	605	478	466	473
30	---	---	---	986	963	973	592	560	572	466	398	435
31	---	---	---	978	956	966	---	---	---	398	375	388
MONTH	1210	1050	1110	1170	956	1070	1030	560	735	631	375	510

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	383	375	381	871	818	840	1100	1060	1080	1070	1040	1060
2	395	381	391	934	871	907	1120	1090	1100	1060	1020	1040
3	411	393	404	940	927	936	1130	1110	1120	1110	1020	1070
4	424	407	417	963	926	943	1140	1110	1120	1140	1100	1130
5	450	422	437	979	953	965	1140	1100	1120	1150	1130	1140
6	482	448	466	991	968	978	1110	1090	1100	1130	1110	1120
7	509	475	492	1030	989	1000	1100	1070	1080	1110	1090	1100
8	515	502	508	1060	1030	1040	1080	1060	1070	1100	1040	1090
9	534	513	522	1080	1050	1060	1070	1060	1060	1110	1030	1090
10	550	531	538	1180	1080	1110	1060	1050	1060	1110	1060	1090
11	562	544	551	1090	1060	1070	1060	1040	1060	1140	1110	1120
12	602	562	584	1150	1090	1120	1060	1040	1050	1150	1120	1130
13	630	602	620	1170	1140	1150	1060	1040	1050	1160	1140	1150
14	647	630	640	1140	1120	1130	1140	1050	1090	1170	1130	1150
15	682	646	666	1150	1120	1130	1120	1080	1090	1180	1170	1180
16	692	681	686	1150	1110	1120	1080	1060	1070	1200	1180	1190
17	683	658	673	1110	1070	1090	1070	1050	1060	1190	1180	1180
18	675	658	667	1070	1020	1050	1100	1070	1080	1190	1180	1180
19	685	665	678	1020	980	1010	1230	1050	1080	1180	1170	1170
20	717	681	702	1000	976	989	1080	1050	1070	1180	1160	1160
21	717	669	695	1030	1000	1020	1080	1040	1060	1180	1160	1170
22	671	626	649	1070	1030	1050	1070	1030	1040	1160	1140	1160
23	676	624	647	1100	1070	1090	1090	1050	1060	1140	1120	1140
24	728	676	710	1130	1100	1120	1110	1080	1100	1120	1080	1110
25	753	728	744	1140	1120	1130	1120	1090	1100	1080	1070	1070
26	774	747	762	1140	1130	1140	1120	1100	1110	1080	1080	1080
27	795	774	787	1140	1130	1130	1130	1100	1110	1080	1080	1080
28	820	792	809	1140	1120	1130	1110	1080	1100	1100	1080	1090
29	829	813	821	1120	1110	1120	1100	909	1070	1120	1100	1110
30	824	817	822	1120	1090	1100	1100	986	1050	1130	1110	1120
31	---	---	---	1100	1070	1090	1070	1030	1050	---	---	---
MONTH	829	375	616	1180	818	1060	1230	909	1080	1200	1020	1120
YEAR	1230	375	944									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.3	11.8	12.6	8.6	7.6	8.2	5.0	4.2	4.6	1.3	.7	1.0
2	13.5	12.3	13.0	8.6	7.4	8.1	5.3	4.6	4.9	1.2	.7	1.0
3	13.8	12.7	13.4	8.3	7.0	7.8	5.1	4.3	4.9	.7	.0	.3
4	13.8	12.1	13.1	8.1	6.9	7.6	4.3	3.5	3.9	.0	.0	.0
5	13.6	11.7	12.8	8.0	6.8	7.5	3.6	2.5	2.9	.3	.0	.0
6	13.8	12.4	13.0	7.9	6.8	7.5	2.6	1.8	2.2	.0	.0	.0
7	13.8	12.9	13.3	8.0	6.8	7.5	2.4	1.5	2.0	.0	.0	.0
8	13.6	12.1	12.9	8.5	7.1	7.8	3.1	2.1	2.6	.0	.0	.0
9	13.7	12.4	13.2	8.6	7.4	8.1	2.3	1.4	1.8	.0	.0	.0
10	14.1	12.8	13.5	8.6	7.5	8.1	2.0	1.3	1.7	.0	.0	.0
11	14.3	12.8	13.6	8.2	7.1	7.7	2.4	1.6	2.0	.3	.0	.1
12	14.2	12.8	13.6	7.5	6.5	7.1	2.0	1.1	1.6	.9	.0	.4
13	14.2	12.6	13.5	7.0	5.9	6.4	1.9	1.4	1.6	1.9	.5	1.1
14	13.8	12.3	13.2	6.5	5.5	6.1	1.5	.6	.9	2.2	1.2	1.6
15	13.3	12.1	12.7	6.2	5.2	5.7	.6	.0	.1	2.8	1.5	2.0
16	12.5	10.5	11.5	6.1	5.1	5.6	.1	.0	.0	2.7	2.2	2.4
17	10.5	9.1	9.8	6.2	5.1	5.7	1.3	.0	.6	4.1	2.7	3.4
18	9.7	8.4	9.2	6.8	5.8	6.2	1.5	.6	1.1	4.8	4.1	4.6
19	10.0	8.8	9.4	6.0	4.9	5.4	1.4	.6	1.0	5.2	4.0	4.7
20	9.8	8.5	9.2	5.1	4.3	4.7	1.9	.9	1.3	5.5	4.0	5.0
21	9.9	8.5	9.2	4.3	3.3	3.7	1.9	1.2	1.5	5.2	4.7	5.0
22	10.1	8.7	9.4	4.3	3.6	3.9	1.4	.7	1.0	5.0	4.2	4.6
23	10.3	8.9	9.6	3.6	2.7	3.2	1.0	.1	.6	4.3	3.4	3.8
24	10.1	8.8	9.5	3.1	2.3	2.7	.9	.0	.4	4.5	3.6	4.0
25	9.9	8.7	9.4	3.1	2.0	2.5	1.0	.0	.5	4.4	4.1	4.2
26	9.8	8.5	9.2	3.0	1.9	2.4	1.2	.1	.6	4.9	4.1	4.4
27	9.8	8.5	9.2	3.8	2.8	3.3	1.2	.1	.6	4.5	3.7	4.1
28	9.4	8.5	9.0	4.4	3.1	3.7	1.4	.3	.8	3.9	3.0	3.5
29	9.5	8.8	9.2	5.1	4.0	4.6	1.4	.4	.9	3.2	2.2	2.7
30	9.0	7.7	8.5	5.1	4.4	4.7	1.2	.2	.7	2.9	1.6	2.2
31	8.9	7.8	8.4	---	---	---	1.1	.1	.6	2.4	1.6	2.0
MONTH	14.3	7.7	11.2	8.6	1.9	5.8	5.3	.0	1.6	5.5	.0	2.2

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE--Continued
(National Water-Quality Assessment Program station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.4	1.3	1.9	7.7	6.8	7.2	10.3	7.8	8.9	14.5	12.4	13.6
2	3.4	2.1	2.6	8.3	6.2	7.2	10.4	8.7	9.5	15.3	13.6	14.5
3	3.8	2.0	2.9	9.1	6.9	7.9	11.8	9.4	10.4	16.1	14.4	15.3
4	3.8	2.8	3.2	9.1	7.1	8.1	12.6	9.7	11.1	16.5	14.9	15.8
5	4.0	2.6	3.3	8.2	7.1	7.8	13.6	10.8	12.2	16.5	14.9	15.9
6	4.4	2.7	3.5	7.1	6.4	6.7	14.5	12.5	13.4	16.3	14.5	15.4
7	4.9	3.1	3.9	7.5	6.4	6.9	14.9	12.6	13.7	15.6	14.2	14.6
8	5.1	3.5	4.2	7.1	5.9	6.5	14.2	12.5	13.5	14.2	12.8	13.2
9	4.9	4.3	4.5	7.3	6.3	6.8	14.0	12.2	13.1	13.4	11.5	12.4
10	4.9	4.1	4.5	8.3	6.3	7.2	14.0	12.3	13.1	14.8	12.1	13.3
11	5.9	4.4	5.1	8.4	6.4	7.3	14.1	12.2	13.2	14.8	13.5	14.2
12	5.2	4.5	4.7	9.6	7.4	8.3	14.2	12.8	13.5	14.1	12.3	13.1
13	4.7	4.3	4.5	9.7	7.6	8.6	14.4	13.1	13.7	13.6	11.5	12.5
14	4.9	4.2	4.5	9.9	7.5	8.6	13.9	12.8	13.2	12.8	11.2	12.2
15	6.0	4.1	5.0	9.0	7.2	8.4	12.8	11.5	12.1	13.9	11.7	12.7
16	5.4	4.8	5.2	9.2	6.4	7.7	12.3	10.7	11.6	14.2	12.7	13.5
17	5.6	4.9	5.2	8.4	7.3	7.8	13.7	11.5	12.6	14.6	12.7	13.8
18	6.2	5.1	5.5	8.6	6.9	7.6	13.5	12.1	12.7	14.6	13.4	13.9
19	6.3	4.6	5.4	8.0	6.4	7.2	12.1	10.9	11.4	14.9	12.5	13.6
20	5.6	4.5	5.1	7.3	5.3	6.6	12.0	9.7	10.9	16.3	14.1	15.2
21	6.1	4.8	5.4	7.3	4.9	6.0	11.7	11.1	11.5	16.4	15.2	16.0
22	6.5	5.4	5.9	7.5	6.4	7.0	12.6	11.1	11.7	17.1	15.3	16.2
23	6.9	5.3	6.1	8.5	6.2	7.3	13.5	12.0	12.8	18.3	16.2	17.2
24	6.5	6.2	6.4	10.5	8.1	9.1	14.5	12.7	13.5	18.3	16.6	17.5
25	6.2	5.2	5.8	11.5	8.8	10.1	14.4	12.3	13.3	17.7	15.6	16.3
26	5.7	4.3	5.0	12.8	10.4	11.5	14.3	13.0	13.7	15.6	13.9	14.5
27	6.4	4.4	5.3	13.1	11.0	12.0	15.4	12.9	14.1	14.8	12.9	13.8
28	6.4	5.3	5.8	12.3	11.0	11.7	15.9	14.3	15.1	16.5	13.8	15.0
29	8.2	5.8	6.9	11.9	10.2	11.0	15.5	14.5	14.9	17.6	15.5	16.5
30	---	---	---	11.1	9.5	10.3	14.7	13.1	14.0	17.7	16.1	17.0
31	---	---	---	9.5	8.6	9.0	---	---	---	17.0	15.8	16.4
MONTH	8.2	1.3	4.7	13.1	4.9	8.2	15.9	7.8	12.6	18.3	11.2	14.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.6	15.3	16.0	22.8	21.3	21.9	24.8	22.6	23.7	21.3	19.0	20.0
2	16.8	15.3	16.1	22.8	21.5	22.1	25.2	22.7	23.9	19.4	17.7	18.6
3	17.3	15.6	16.4	22.4	21.3	22.0	24.4	22.9	23.5	20.0	17.7	18.8
4	17.9	15.9	16.9	22.1	20.7	21.5	25.1	22.3	23.6	20.5	18.1	19.3
5	18.3	16.3	17.4	22.5	20.7	21.5	24.9	22.9	23.9	20.1	18.9	19.5
6	18.6	16.5	17.5	21.9	20.3	21.1	24.9	22.7	23.7	19.1	17.7	18.2
7	19.1	16.6	18.0	22.4	20.5	21.4	24.7	22.5	23.7	19.6	17.3	18.3
8	18.9	17.4	18.2	23.2	21.7	22.3	25.0	22.5	23.6	19.8	18.2	19.1
9	18.5	16.9	17.8	23.7	21.3	22.4	24.7	22.8	23.7	19.2	17.3	18.3
10	18.6	16.3	17.6	23.4	21.1	22.2	24.9	22.8	23.8	19.3	17.8	18.5
11	18.7	16.6	17.8	24.5	22.1	23.2	25.4	22.7	24.0	19.2	17.3	18.3
12	18.7	17.0	18.0	24.1	22.5	23.3	25.4	22.9	24.1	20.0	17.5	18.7
13	19.4	17.2	18.3	24.9	22.3	23.5	24.5	22.3	23.5	20.2	17.8	19.0
14	19.8	17.6	18.7	25.7	23.3	24.4	24.4	22.7	23.5	20.4	18.1	19.2
15	20.1	18.4	19.3	25.0	23.3	24.1	24.2	21.9	23.0	20.7	18.3	19.4
16	20.3	18.6	19.5	25.1	22.4	23.7	24.2	22.3	23.2	20.8	18.4	19.6
17	19.9	18.0	19.1	25.3	23.1	24.0	23.5	21.6	22.6	20.2	18.5	19.2
18	19.8	18.3	19.2	24.9	22.3	23.3	23.8	21.2	22.4	20.4	18.2	19.2
19	19.1	17.8	18.4	24.0	21.8	22.9	23.5	21.6	22.6	19.9	18.4	19.2
20	19.5	17.9	18.6	23.9	21.6	22.7	22.7	21.2	21.9	20.1	17.7	18.8
21	19.7	17.7	18.8	24.2	21.5	22.8	22.4	20.7	21.6	19.3	16.8	17.8
22	20.0	18.0	19.0	24.6	21.8	23.1	21.7	19.5	20.7	18.2	16.2	17.1
23	20.4	18.4	19.5	24.5	22.0	23.3	22.1	20.0	21.0	17.4	15.1	16.3
24	21.2	19.1	20.1	24.3	22.3	23.3	23.1	20.5	21.6	15.1	13.3	14.2
25	21.7	19.9	20.8	24.8	22.1	23.3	23.7	21.1	22.3	14.3	12.4	13.4
26	21.0	19.1	20.1	25.1	22.6	23.7	23.3	21.5	22.3	14.6	12.3	13.4
27	20.0	18.0	18.9	25.1	23.1	24.0	23.2	21.0	22.1	15.7	13.3	14.4
28	20.7	18.9	19.7	25.4	22.9	24.0	23.5	21.3	22.4	16.6	14.5	15.5
29	20.9	19.8	20.4	25.3	23.2	24.3	23.0	21.2	22.1	17.0	15.8	16.4
30	22.2	20.5	21.2	25.3	23.2	24.1	22.7	21.2	21.8	17.7	15.6	16.6
31	---	---	---	24.7	22.5	23.6	22.3	20.4	21.3	---	---	---
MONTH	22.2	15.3	18.6	25.7	20.3	23.0	25.4	19.5	22.8	21.3	12.3	17.8
YEAR	25.7	.0	12.0									

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. December 6, 1950 to April 18, 1967, at site 200 ft downstream at different datum; April 19, 1967 to September 3, 1975 at site 10 ft downstream at different datum.

REMARKS.--Records good except for an estimated daily discharge, which is 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, Sep 23, 1956.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 10	2045	*2,830	*9.82				

Minimum daily discharge, 65 ft^3/s, Aug 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311	218	210	165	136	170	360	2380	1100	233	88	198
2	299	213	216	169	141	175	339	2230	1000	216	84	190
3	295	216	217	175	164	174	329	2230	932	197	79	191
4	272	222	232	168	175	150	319	2320	868	190	81	153
5	248	220	233	187	186	151	332	2350	817	172	79	139
6	272	219	207	146	184	152	473	2280	763	167	77	128
7	275	220	175	159	188	163	802	2160	678	151	76	120
8	276	217	194	175	178	174	1050	2090	697	149	72	133
9	278	210	219	155	171	212	1270	2540	675	155	69	147
10	270	214	211	171	186	223	1650	2170	678	187	66	162
11	245	222	241	228	188	213	1810	1850	615	226	65	156
12	238	216	222	232	197	202	1650	1790	566	203	67	130
13	248	215	205	221	211	195	1640	1690	547	189	66	117
14	250	213	e190	189	190	195	1750	1570	529	173	67	109
15	391	211	171	167	179	187	1880	1480	585	158	83	104
16	284	205	184	163	178	196	1870	1420	548	145	72	99
17	245	195	197	168	182	209	1670	1370	510	146	100	100
18	233	164	203	172	189	209	1810	1380	434	146	107	104
19	225	157	194	180	187	203	1770	1350	376	181	222	102
20	231	151	193	195	174	202	1520	1300	357	158	237	106
21	234	152	197	192	166	203	1460	1250	378	133	174	114
22	229	152	178	187	167	223	1720	1240	351	120	217	109
23	230	167	155	182	180	225	1890	1310	323	117	175	99
24	229	192	147	180	198	224	1970	1380	298	108	156	100
25	225	187	145	172	201	221	2080	1470	293	106	130	91
26	220	180	153	191	198	227	2120	1350	278	95	121	96
27	223	186	161	222	186	235	2250	1150	269	91	121	92
28	226	208	158	221	176	265	2400	1030	267	93	122	96
29	224	222	162	187	170	313	2510	1130	270	98	226	96
30	223	223	158	152	---	353	2440	1270	248	95	193	109
31	224	---	156	140	---	364	---	1210	---	90	283	---
TOTAL	7873	5987	5884	5611	5226	6608	45134	51740	16250	4688	3775	3690
MEAN	254	200	190	181	180	213	1504	1669	542	151	122	123
MAX	391	223	241	232	211	364	2510	2540	1100	233	283	198
MIN	220	151	145	140	136	150	319	1030	248	90	65	91
AC-FT	15620	11880	11670	11130	10370	13110	89520	102600	32230	9300	7490	7320

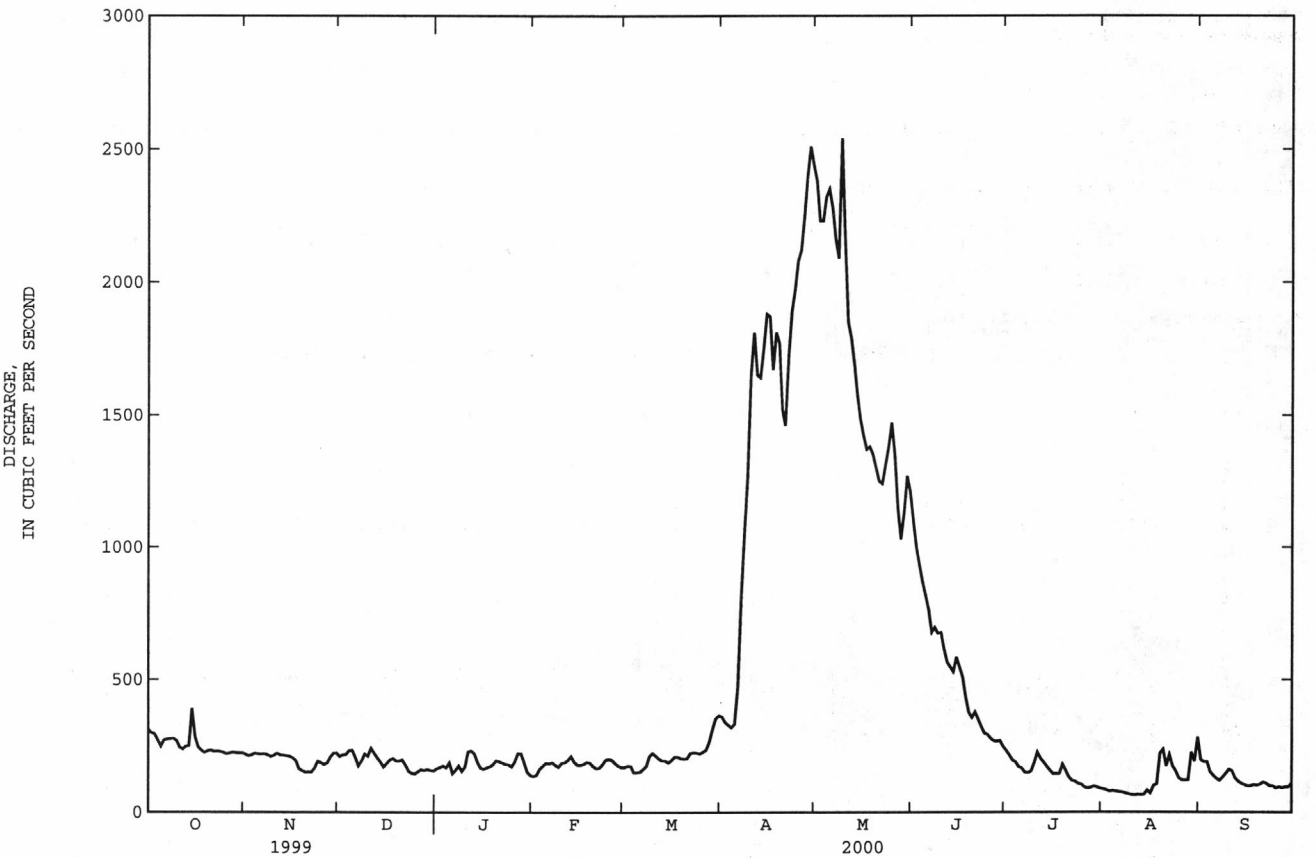
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2000, BY WATER YEAR (WY)

MEAN	263	263	213	182	234	482	1816	2919	1666	565	319	255
MAX	617	894	606	370	518	1037	5338	8803	3895	1827	917	779
(WY)	1987	1987	1987	1987	1987	1997	1993	1993	1995	1995	1999	1999
MIN	133	145	115	109	167	142	177	397	411	151	73.3	80.6
(WY)	1990	1991	1990	1990	1999	1990	1990	1990	1989	2000	1996	1989

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1987 - 2000	
ANNUAL TOTAL	248744		162466			
ANNUAL MEAN	681		444		766	
HIGHEST ANNUAL MEAN					1768	1993
LOWEST ANNUAL MEAN					200	1990
HIGHEST DAILY MEAN	4110	May 25	2540	May 9	12900	May 18 1993
LOWEST DAILY MEAN	121	Jan 17	65	Aug 11	34	Aug 12 1990
ANNUAL SEVEN-DAY MINIMUM	131	Jan 12	67	Aug 8	39	Aug 8 1990
ANNUAL RUNOFF (AC-FT)	493400		322300		555100	
10 PERCENT EXCEEDS	1630		1460		2040	
50 PERCENT EXCEEDS	338		203		254	
90 PERCENT EXCEEDS	160		106		129	

e Estimated



09180500 COLORADO RIVER NEAR CISCO, UT

LOCATION.--Lat 38°48'38", long 109°17'34", in NW$^1/_4$NW$^1/_4$ 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, calendar-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 November 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. Diversions above station for irrigation and power, including several transmountain diversions. Flow regulated by Blue Mesa Reservoir since November 27, 1965.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,800 ft^3/s, Jun 19, 1917, gage height, 19.7 ft; minimum recorded, 558 ft^3/s, Jul 21, 1934, gage height, 0.44 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on Jul 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 31	1230	*18,500	*7.89				

Minimum discharge, 2,600 ft^3/s, Mar 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6110	5460	4030	3610	3050	3240	4050	10000	17300	5620	3040	4720
2	6390	5750	4010	3720	3050	3210	4170	9680	16400	5250	2950	4470
3	7010	5480	4080	3800	3200	3220	4090	9590	15400	5020	2800	4170
4	7660	5210	4130	3790	3250	3350	3910	10600	14500	4760	2740	3950
5	8080	5020	4060	3570	3300	3200	3870	11800	13500	4380	2890	3860
6	7630	5190	3920	3690	3330	3220	3990	13200	12200	4350	3120	3860
7	6820	5120	3730	3600	3310	3340	4640	14200	11200	4050	3190	3830
8	6660	4740	3710	3420	3270	3400	5430	14500	10800	3760	3160	3880
9	6460	4610	3930	3480	3270	3430	6030	15700	10400	3610	3060	4080
10	6130	4560	4160	3700	3280	3480	6510	15000	10100	3950	3000	4100
11	5630	4260	3940	3970	3310	3410	7150	12700	9640	4250	2970	4060
12	5240	3990	3900	3780	3540	3310	7070	12800	8730	4060	3070	3860
13	5080	3820	3990	3680	3470	3250	6830	13200	8240	3800	3130	3660
14	5080	3860	3840	3700	3420	3130	7150	12200	7630	3580	3300	3470
15	5080	4280	3610	3480	3340	3230	7830	10900	7090	3410	3410	3320
16	5000	4250	3490	3420	3320	3220	8170	10000	6780	3260	3380	3250
17	5050	4260	3600	3430	3290	3520	7400	9340	7070	3460	3380	3190
18	5210	4220	4020	3530	3500	3360	7090	9530	6800	4000	3470	3180
19	5340	4120	4070	3620	3560	3550	7550	9790	6660	4330	3730	3380
20	5370	4120	3880	3690	3380	3680	7330	9510	6930	3970	4100	3430
21	5390	4120	3980	3710	3260	3850	6630	9420	7830	3510	4210	3390
22	5310	4140	3930	3660	3230	3870	6680	9750	8150	3140	4400	3530
23	5320	4040	3820	3640	3320	3950	6900	10200	7620	2980	4290	3700
24	5350	4170	3800	3510	3290	3820	7030	11500	6680	2850	4040	4060
25	5340	4070	3720	3410	3240	3750	7490	15000	6510	2820	3810	4000
26	5310	3890	3690	3560	3280	3660	7690	16700	6040	2850	3700	3880
27	5310	3820	3690	3910	3220	3710	7920	16000	6110	2890	3660	3820
28	5370	4150	3670	3700	3170	3890	8460	14000	6380	2870	3930	3740
29	5410	4300	3640	3470	3200	4050	9700	13500	6310	3060	4100	3420
30	5330	4100	3630	3240	---	4150	10300	15500	5970	3060	4240	3400
31	5420	---	3640	3080	---	4100	---	17500	---	3080	4590	---
TOTAL	179890	133120	119310	111570	95650	109550	199060	383310	274970	115980	108860	112660
MEAN	5803	4437	3849	3599	3298	3534	6635	12360	9166	3741	3512	3755
MAX	8080	5750	4160	3970	3560	4150	10300	17500	17300	5620	4590	4720
MIN	5000	3820	3490	3080	3050	3130	3870	9340	5970	2820	2740	3180
AC-FT	356800	264000	236700	221300	189700	217300	394800	760300	545400	230000	215900	223500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	4039	3850	3338	3132	3295	3857	8371	19490	22260	9114	4351	3733
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

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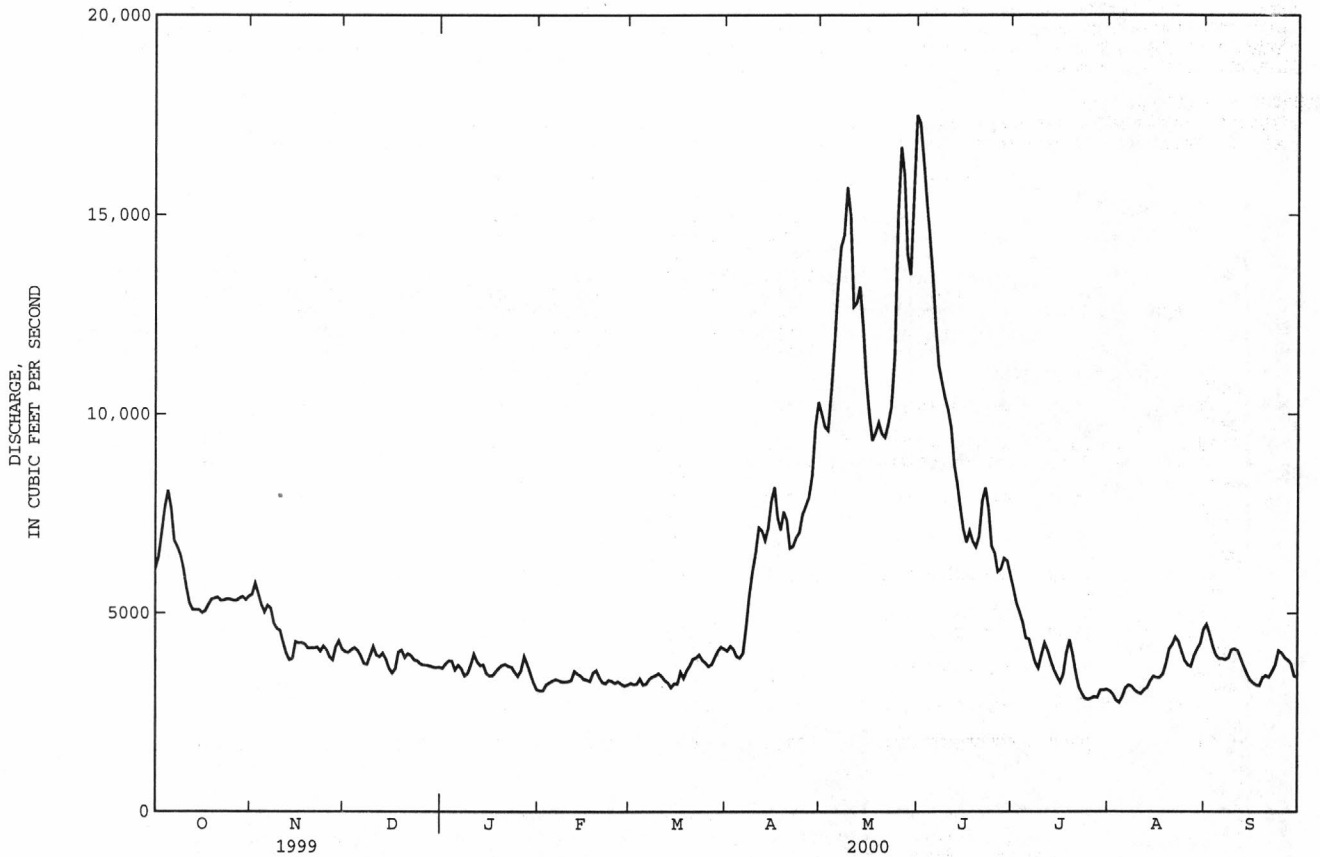
SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	2440340		1943930			
ANNUAL MEAN	6686		5311		7408	
HIGHEST ANNUAL MEAN					14930	1984
LOWEST ANNUAL MEAN					2631	1977
HIGHEST DAILY MEAN	20300	May 26	17500	May 31	73200	Jun 19 1917
LOWEST DAILY MEAN	2410	Apr 20	2740	Aug 4	640	Jul 21 1934
ANNUAL SEVEN-DAY MINIMUM	2730	Apr 14	2900	Jul 23	736	Jul 15 1934
ANNUAL RUNOFF (AC-FT)	4840000		3856000		5367000	
10 PERCENT EXCEEDS	15300		9720		18600	
50 PERCENT EXCEEDS	5310		3990		3940	
90 PERCENT EXCEEDS	3240		3220		2260	



09180500 COLORADO RIVER NEAR CISCO, UT--Continued
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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 TEMPERATURE: 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 TEMPERATURE: Maximum observed, 29.0°C, Jul 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 observed, 1,240 microsiemens, Feb 4; minimum observed, 400 microsiemens, Jun 1.
WATER TEMPERATURE: Maximum observed, 27.0°C, Jul 17-31; minimum observed, 0.0°C on several days in Jan.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)
NOV										
02...	1100	ENVIRONMENTAL	5920	.047	660	94	9.8	8.3	920	2.5
DEC										
01...	1130	ENVIRONMENTAL	3900	.040	649	101	11.2	8.4	1070	.0
16...	1230	ENVIRONMENTAL	3770	.040	659	103	13.0	8.3	1030	.5
MAR										
29...	1100	ENVIRONMENTAL	3970	.046	648	97	9.1	8.2	1040	7.5
APR										
27...	1030	ENVIRONMENTAL	8080	.101	650	98	8.8	8.1	590	14.0
MAY										
23...	1030	ENVIRONMENTAL	10200	.063	648	97	8.1	8.0	560	22.0
JUN										
27...	1100	ENVIRONMENTAL	5950	.058	650	111	8.6	8.3	750	20.0
27...	1110	REPLICATE	5950	.056	650	111	8.6	8.3	750	20.0
JUL										
20...	1100	ENVIRONMENTAL	3930	.067	649	96	7.0	8.4	1020	23.0
AUG										
28...	1100	ENVIRONMENTAL	3760	.063	649	93	6.9	8.2	1090	22.0
SEP										
07...	0900	ENVIRONMENTAL	3760	.060	652	97	7.8	8.3	1070	--

DATE	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
NOV										
02...	7.5	300	150	80	25	3.0	2	70	33	151
DEC										
01...	4.0	350	200	89	31	3.8	3	108	40	150
16...	.0	320	170	82	28	3.6	2	93	38	152
MAR										
29...	11.0	310	170	79	26	3.9	2	97	41	135
APR										
27...	13.0	190	97	53	15	2.5	1	40	31	96
MAY										
23...	16.5	180	100	51	14	2.0	1	34	29	84
JUN										
27...	20.0	250	130	67	19	2.4	2	55	33	115
27...	20.0	250	130	67	19	2.4	2	56	33	112
JUL										
20...	22.5	350	200	91	29	4.1	2	86	35	142
AUG										
28...	22.0	390	240	100	30	4.0	2	73	29	149
SEP										
07...	18.0	380	230	100	29	3.6	2	87	33	144

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)
NOV										
02...	184	0	72	.31	8.0	240	<.020	.22	.25	.51
DEC										
01...	169	7	100	.32	9.4	260	<.020	.12	.32	.62
16...	185	0	95	.28	10	250	<.020	.14	.24	.67
MAR										
29...	165	0	110	.32	8.4	240	.038	.26	1.3	.62
APR										
27...	117	0	41	.15	8.8	120	<.020	.18	1.2	.50
MAY										
23...	103	0	36	.24	9.8	120	<.020	.17	.50	.44
JUN										
27...	141	0	59	.32	5.4	170	<.020	.18	.39	.50
27...	137	0	57	.36	5.4	180	<.020	.19	.38	.50
JUL										
20...	164	5	83	.32	10	250	.022	.29	.58	.96
AUG										
28...	182	0	75	.44	9.6	310	<.020	.22	.56	1.0
SEP										
07...	176	0	81	.43	9.6	290	<.020	.20	.48	.90

DATE	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)
NOV										
02...	--	.289	--	--	.54	--	--	--	<.010	--
DEC										
01...	--	.500	--	--	.82	--	--	--	<.010	--
16...	.520	.530	--	--	.77	--	2.3	.03	.010	--
MAR										
29...	--	.356	.22	1.2	1.6	.05	--	--	<.010	.02
APR										
27...	--	.317	--	--	1.5	--	--	--	<.010	.04
MAY										
23...	--	.270	--	--	.77	--	--	--	<.010	.05
JUN										
27...	--	.319	--	--	.71	--	--	--	<.010	M
27...	--	.314	--	--	.70	--	--	--	<.010	--
JUL										
20...	.655	.668	.27	.56	1.2	.03	2.9	.04	.013	.06
AUG										
28...	--	.784	--	--	1.3	--	--	--	<.010	.03
SEP										
07...	--	.700	--	--	1.2	--	--	--	<.010	.03

DATE	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	UV ABSORBANCE 254 NM, WTR FLT (UNITS /CM) (50624)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)
NOV										
02...	<.006	<.001	.036	.064	3.69	.84	9860	617	588	2.5
DEC										
01...	E.004	<.001	.014	.055	2.80	.96	7410	704	697	2.9
16...	<.006	<.001	.015	.054	2.67	.95	7080	696	654	2.1
MAR										
29...	.009	.008	.702	.062	2.82	.91	7200	672	644	100
APR										
27...	.019	.014	.505	.126	4.44	.51	8220	377	343	150
MAY										
23...	.021	.015	.153	.094	5.18	.49	9900	360	318	46
JUN										
27...	E.005	.001	.070	.078	3.68	.66	7780	484	454	25
27...	E.004	<.001	.066	.075	3.68	.66	7810	486	452	26
JUL										
20...	.024	.018	.152	.090	2.81	.91	7090	668	645	54
AUG										
28...	.013	.009	.162	.086	2.72	1.02	7610	750	706	.50
SEP										
07...	.014	.010	.126	.083	2.72	1.01	7530	742	695	1.4

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	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)
NOV											
02...	1100	ENVIRONMENTAL	--	--	<2	--	--	60	--	--	--
DEC											
01...	1130	ENVIRONMENTAL	--	--	E1	--	--	67	--	--	--
16...	1230	ENVIRONMENTAL	1.4	<1.0	<2	52	<1.0	68	<1.0	<.80	<1.0
MAR											
29...	1100	ENVIRONMENTAL	3.1	<1.0	<2	56	<1.0	57	<1.0	<1.0	<1.0
APR											
27...	1030	ENVIRONMENTAL	--	--	E1	--	--	40	--	--	--
MAY											
23...	1030	ENVIRONMENTAL	11	<1.0	<2	52	<1.0	33	<1.0	<.80	<1.0
JUN											
27...	1100	ENVIRONMENTAL	--	--	<2	--	--	38	--	--	--
27...	1110	REPLICATE	--	--	E1	--	--	42	--	--	--
JUL											
20...	1100	ENVIRONMENTAL	--	--	<2	--	--	71	--	--	--
AUG											
28...	1100	ENVIRONMENTAL	1.3	<1.0	E2	65	<1.0	66	<1.0	1.3	<1.0
SEP											
07...	0900	ENVIRONMENTAL	--	--	E2	--	--	79	--	--	--

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	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)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV												
02...	--	<10	--	29	--	--	--	4	--	854	<10	--
DEC												
01...	--	E5.1	--	31	--	--	--	4	--	1010	<10	--
16...	1.5	<10	<1.0	33	17	5.6	1.6	3	<1.0	874	<10	2.3
MAR												
29...	2.4	<10	<1.0	30	1.5	6.8	<1.0	4	<1.0	792	<10	8.3
APR												
27...	--	E5.5	--	17	--	--	--	<2	--	492	<10	--
MAY												
23...	1.6	<10	<1.0	20	<1.0	2.8	1.4	E2	<1.0	459	<10	5.1
JUN												
27...	--	<10	--	24	--	--	--	3	--	692	<10	--
27...	--	<10	--	24	--	--	--	3	--	687	E9	--
JUL												
20...	--	<10	--	39	--	--	--	4	--	1070	<10	--
AUG												
28...	2.3	<10	<1.0	44	<1.0	7.2	2.1	5	<1.0	1180	<10	1.1
SEP												
07...	--	<10	--	40	--	--	--	4	--	1110	<10	--

DATE	TIME	SAMPLE TYPE	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)
NOV											
02...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
DEC											
01...	1130	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
16...	1230	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.007	<.0020	<.0020	<.0030	<.0030
MAR											
29...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
APR											
27...	1030	ENVIRONMENTAL	<.0030	<.0100	<.002	<.0020	.007	<.0020	<.0020	<.0030	<.0800
MAY											
23...	1030	ENVIRONMENTAL	<.0030	.0087	.018	<.0020	.007	<.0020	<.0020	<.0030	E.0338
JUN											
27...	1100	ENVIRONMENTAL	<.0030	<.0020	.010	<.0020	.020	<.0020	<.0020	<.0030	<.0200
27...	1110	REPLICATE	<.0030	<.0020	.010	<.0020	.020	<.0020	<.0020	<.0030	<.0200
JUL											
20...	1100	ENVIRONMENTAL	<.0030	<.0020	<.007	<.0020	.011	<.0020	<.0020	<.0030	<.0030
AUG											
28...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.008	<.0020	<.0020	<.0030	<.0030
SEP											
07...	0900	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.006	<.0020	<.0020	<.0030	<.0030

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
NOV											
02...	2.9	1.0	<.0040	<.0040	<.0020	<.0020	102	<.002	<.001	<.0170	<.0020
DEC											
01...	2.9	.40	<.0040	<.0040	E.0025	<.0020	109	<.002	<.001	<.0170	<.0020
16...	2.5	.30	<.0040	<.0040	<.0020	<.0020	95.7	<.002	<.001	<.0170	.0044
MAR											
29...	2.9	5.1	<.0040	<.0040	<.0020	<.0020	108	<.002	<.001	<.0170	<.0020
APR											
27...	4.3	>5.0	<.0040	<.0040	<.0020	<.0020	99.7	<.002	<.001	<.0170	<.0020
MAY											
23...	3.7	1.5	<.0040	<.0040	<.0020	<.0020	112	.004	<.001	<.0170	<.0020
JUN											
27...	3.4	.59	<.0040	<.0040	E.0019	E.0038	107	<.002	<.001	<.0170	<.0020
27...	3.1	.56	<.0040	<.0040	E.0021	E.0036	108	<.002	<.001	<.0170	<.0020
JUL											
20...	3.3	1.3	<.0040	<.0040	<.0020	E.0038	117	E.003	<.001	<.0170	<.0020
AUG											
28...	3.4	1.1	<.0040	<.0040	<.0020	<.0050	119	.007	<.001	<.0170	<.0100
SEP											
07...	3.1	.77	<.0040	<.0040	E.0009	E.0034	109	.004	<.001	<.0170	<.0020

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
NOV											
02...	<.0040	<.0030	<.0030	109	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
DEC											
01...	<.0040	<.0030	<.0030	97.2	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
16...	<.0040	<.0030	<.0030	97.1	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
MAR											
29...	<.0040	<.0030	<.0030	92.0	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
APR											
27...	<.0040	<.0030	<.0030	72.0	<.004	<.0020	<.005	<.0010	<.0060	.007	<.004
MAY											
23...	<.0040	<.0030	<.0030	102	<.004	<.0020	<.005	<.0010	<.0060	E.002	<.004
JUN											
27...	<.0040	<.0030	<.0030	101	<.004	<.0020	<.005	<.0010	<.0060	.014	<.004
27...	<.0040	<.0030	<.0030	87.4	.005	<.0020	<.005	<.0010	<.0060	.013	<.004
JUL											
20...	<.0040	<.0030	<.0030	112	<.004	<.0020	<.005	<.0010	<.0060	.004	<.004
AUG											
28...	<.0040	<.0030	<.0030	114	<.004	<.0020	<.005	<.0010	<.0060	.007	<.004
SEP											
07...	<.0040	<.0030	<.0030	107	<.004	<.0020	<.005	<.0010	<.0060	E.003	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)
NOV											
02...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
DEC											
01...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
16...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
MAR											
29...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
APR											
27...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
MAY											
23...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUN											
27...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
27...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUL											
20...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
AUG											
28...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
SEP											
07...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)
NOV											
02...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	9312.10
DEC											
01...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	862	9341.00
16...	<.0040	--	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	806	9356.00
MAR											
29...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	892	95.09
APR											
27...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	892	125.02
MAY											
23...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	892	147.05
JUN											
27...	<.0040	--	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	877	182.03
27...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	934	182.08
JUL											
20...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	917	209.01
AUG											
28...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	244.01
SEP											
07...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	900	257.01

DATE	TIME	SAMPLE TYPE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
NOV			
02...	1100	ENVIRONMENTAL	--
DEC			
01...	1130	ENVIRONMENTAL	--
16...	1230	ENVIRONMENTAL	5.7
MAR			
29...	1100	ENVIRONMENTAL	4.4
APR			
27...	1030	ENVIRONMENTAL	--
MAY			
23...	1030	ENVIRONMENTAL	2.6
JUN			
27...	1100	ENVIRONMENTAL	--
27...	1110	REPLICATE	--
JUL			
20...	1100	ENVIRONMENTAL	--
AUG			
28...	1100	ENVIRONMENTAL	6.6
SEP			
07...	0900	ENVIRONMENTAL	--

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	870	960	1180	1090	1170	1200	980	560	400	820	1120	1090
2	870	940	1080	1080	1180	1170	940	560	405	850	1090	1080
3	830	960	1090	1070	1210	1150	---	570	415	880	1110	1080
4	750	940	1090	1080	1240	1150	950	550	430	890	1150	1080
5	690	940	1090	---	1230	1150	970	520	440	920	1130	1100
6	680	970	1090	1060	1170	1160	980	490	490	940	1140	1090
7	720	1010	1090	1040	1180	1130	960	460	---	940	1120	1100
8	750	1020	1080	1080	1160	1130	910	430	510	970	1100	1080
9	800	1040	1100	1100	1150	1140	850	440	530	1000	1090	1090
10	840	1050	1100	1120	1140	1150	800	460	550	1020	1080	1120
11	850	1070	1160	1140	1120	1180	760	500	560	1070	1080	1140
12	---	1090	1100	1140	1130	1170	710	520	580	1080	1080	1160
13	920	1120	1090	1110	1140	1120	690	490	620	1070	1080	1150
14	950	1140	---	1080	1180	1130	700	490	650	1070	1090	1110
15	950	1160	1090	1110	1170	1130	660	540	670	1080	1140	1120
16	950	1120	1070	1120	1160	1140	660	580	700	1100	1130	1130
17	950	1080	1120	1080	1150	1140	670	620	700	1140	1110	1170
18	950	1090	1110	1110	1140	1130	700	640	690	1140	1100	1150
19	950	1090	1130	1130	1150	1090	700	620	700	1120	1140	1160
20	950	1100	1140	1150	1130	1090	670	600	720	1080	1190	1170
21	950	1100	1070	1140	1160	1050	680	610	760	1070	1100	1160
22	960	1100	1080	1160	1160	1010	710	600	700	1080	1070	1180
23	960	1100	1080	1150	1160	1020	720	590	660	1080	1080	1190
24	960	1120	1070	1140	1150	1050	720	570	680	1120	1080	1160
25	960	1120	1050	1130	1170	1050	710	490	720	1150	1110	1140
26	950	1130	1040	1140	1180	1060	730	430	760	1160	1120	1130
27	950	1110	1060	1140	1170	1070	690	410	780	1160	1130	1130
28	960	1100	1080	1170	1150	1050	680	440	800	1160	1130	1140
29	970	1140	---	1160	1160	1080	600	480	800	1160	1140	1140
30	980	1130	1100	1190	---	1040	640	460	790	1140	1080	1170
31	960	---	1090	1190	---	1000	---	410	---	1120	1120	---
MEAN	893	1070	1090	1120	1160	1110	763	520	628	1050	1110	1130

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	8.0	3.0	2.0	5.0	8.0	15.0	17.0	18.0	25.0	25.0	22.0
2	15.0	8.0	3.0	2.0	5.0	8.0	15.0	17.0	18.0	25.0	25.0	22.0
3	15.0	8.0	3.0	.0	5.0	8.0	---	17.0	18.0	25.0	25.0	22.0
4	15.0	8.0	3.0	.0	5.0	8.0	15.0	17.0	18.0	25.0	25.0	22.0
5	15.0	8.0	3.0	---	5.0	8.0	15.0	17.0	18.0	25.0	25.0	22.0
6	15.0	8.0	3.0	.0	5.0	8.0	15.0	17.0	18.0	25.0	25.0	22.0
7	14.0	8.0	3.0	.0	6.0	8.0	15.0	17.0	---	25.0	25.0	21.0
8	14.0	8.0	2.0	.0	6.0	8.0	15.0	17.0	18.0	25.0	25.0	21.0
9	14.0	8.0	2.0	.0	6.0	8.0	15.0	17.0	18.0	25.0	25.0	21.0
10	14.0	8.0	2.0	1.0	6.0	8.0	15.0	17.0	20.0	25.0	25.0	21.0
11	14.0	8.0	2.0	1.0	6.0	8.0	15.0	17.0	20.0	25.0	25.0	21.0
12	---	8.0	2.0	1.0	6.0	8.0	15.0	17.0	20.0	25.0	25.0	21.0
13	14.0	8.0	2.0	2.0	6.0	8.0	15.0	17.0	20.0	25.0	25.0	21.0
14	14.0	7.0	---	2.0	7.0	10.0	15.0	17.0	20.0	26.0	25.0	21.0
15	12.0	7.0	2.0	4.0	7.0	10.0	15.0	17.0	20.0	26.0	25.0	21.0
16	12.0	7.0	3.0	4.0	7.0	10.0	16.0	17.0	20.0	26.0	25.0	21.0
17	12.0	7.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	25.0	21.0
18	12.0	7.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	25.0	21.0
19	12.0	7.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	25.0	21.0
20	12.0	5.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	25.0	20.0
21	11.0	5.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	23.0	20.0
22	11.0	5.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	23.0	20.0
23	11.0	5.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	23.0	20.0
24	11.0	5.0	1.0	4.0	7.0	10.0	16.0	18.0	22.0	27.0	23.0	18.0
25	11.0	5.0	1.0	4.0	7.0	10.0	17.0	18.0	22.0	27.0	23.0	18.0
26	11.0	5.0	1.0	4.0	7.0	10.0	17.0	18.0	22.0	27.0	23.0	18.0
27	10.0	5.0	1.0	4.0	7.0	10.0	17.0	18.0	24.0	27.0	23.0	17.0
28	10.0	5.0	1.0	4.0	7.0	10.0	17.0	18.0	24.0	27.0	23.0	17.0
29	10.0	5.0	---	4.0	7.0	10.0	17.0	18.0	24.0	27.0	23.0	17.0
30	10.0	5.0	1.0	4.0	---	10.0	17.0	18.0	24.0	27.0	23.0	17.0
31	10.0	---	1.0	4.0	---	10.0	---	18.0	---	27.0	23.0	---
MEAN	12.5	6.7	1.8	2.6	6.3	9.2	15.7	17.5	17.5	26.1	24.3	20.2

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV							
02...	1100	ENVIRONMENTAL	5920	7.5	735	46	76
DEC							
01...	1130	ENVIRONMENTAL	3900	4.0	579	55	84
16...	1230	ENVIRONMENTAL	3770	.0	590	58	84
MAR							
29...	1100	ENVIRONMENTAL	3970	11.0	8940	834	98
APR							
27...	1030	ENVIRONMENTAL	8080	13.0	13800	633	77
MAY							
23...	1030	ENVIRONMENTAL	10200	16.5	5610	204	69
JUN							
27...	1100	ENVIRONMENTAL	5950	20.0	1160	72	81
27...	1110	REPLICATE	5950	20.0	1110	69	75
JUL							
20...	1100	ENVIRONMENTAL	3930	22.5	1280	121	91
AUG							
28...	1100	ENVIRONMENTAL	3760	22.0	1580	156	96
SEP							
07...	0900	ENVIRONMENTAL	3760	18.0	1280	126	98

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 poor. Small diversions for irrigation above and below the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 650 ft^3/s, Sep 12, 1996, gage height, 5.50 ft, from slope-area measurement; minimum daily discharge, .98 ft^3/s, Jul 22, 2000.

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)
(a)Jul 9	----	*4.0	----				

Minimum daily discharge, 0.98 ft^3/s, Jul 22.
(a)Peak is an estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.8	e1.9	e2.1	e2.1	e1.9	e1.8	e2.5	e2.0	e2.2	e1.5	e1.0	e1.1
2	e1.8	e1.9	e2.1	e2.1	e1.8	e1.7	e2.5	e2.0	e1.9	e1.5	e1.1	e1.0
3	e1.7	e1.8	e2.3	e1.9	e1.8	e1.7	e2.8	e1.9	e1.8	e1.5	e1.1	e1.0
4	e1.7	e2.1	e2.0	e1.9	e1.8	e1.7	e2.7	e1.9	e1.7	e1.5	e1.0	e1.0
5	e1.8	e2.3	e2.0	e2.0	e1.7	e1.7	e2.7	e1.9	e1.5	e1.5	e1.1	e1.1
6	e1.9	e2.2	e2.1	e2.0	e1.7	e1.7	e2.7	e1.9	e1.5	e1.4	e1.1	e1.1
7	e2.0	e2.1	e2.2	e1.9	e1.6	e1.9	e2.7	e1.9	e1.5	e1.4	e1.0	e1.1
8	e2.1	e2.1	e2.3	e1.9	e1.7	e1.8	e2.7	e1.9	e1.5	e1.4	e1.0	e1.1
9	e2.0	e2.2	e2.1	e1.9	e1.7	e1.8	e2.7	e2.1	e1.5	e4.0	e1.0	e1.2
10	e1.7	e2.1	e2.3	e2.0	e1.7	e1.8	e2.6	e2.3	e1.7	e1.5	e1.0	e1.1
11	e1.6	e2.2	e2.2	e2.0	e1.8	e1.8	e2.6	e2.2	e1.5	e1.2	e1.0	e1.0
12	e1.5	e2.1	e2.1	e2.0	e1.8	e1.8	e2.6	e2.2	e1.5	e1.1	e1.0	e1.1
13	e1.6	e2.1	e2.1	e1.9	e1.7	e1.8	e2.6	e2.6	e1.5	e1.1	e1.1	e1.1
14	e1.5	e2.1	e2.1	e1.8	e1.6	e1.7	e2.6	e2.5	e1.5	e1.1	e1.1	e1.1
15	e1.6	e2.0	e2.0	e1.9	e1.6	e1.7	e2.6	e2.6	e1.5	e1.1	e1.0	e1.1
16	e1.7	e2.1	e2.0	e1.9	e1.6	e1.8	e2.3	e2.7	e1.5	e1.1	e1.0	e1.2
17	e1.8	e2.3	e2.1	e1.9	e1.7	e1.9	e2.1	e2.6	e1.5	e1.0	e1.1	e1.2
18	e1.9	e2.4	e2.2	e2.0	e1.8	e2.0	e2.0	e2.5	e1.5	e1.0	e1.2	e1.3
19	e2.0	e2.5	e2.2	e2.0	e1.8	e2.2	e2.0	e2.5	e1.7	e1.0	e1.2	e1.3
20	e2.0	e2.6	e2.3	e2.0	e1.7	e2.6	e2.0	e2.4	e1.6	e1.0	e1.2	e1.2
21	e2.0	e2.5	e2.3	e2.0	e1.8	e2.6	e2.2	e2.5	e1.6	e1.0	e1.1	e1.3
22	e2.0	e2.6	e2.1	e2.0	e1.9	e2.5	e2.4	e2.6	e1.6	e.98	e1.2	e1.4
23	e2.0	e2.3	e2.1	e2.0	e1.9	e2.5	e2.3	e2.6	e1.5	e1.1	e1.2	e1.4
24	e1.9	e2.2	e2.0	e2.1	e2.0	e2.4	e2.3	e2.5	e1.5	e1.1	e1.2	e1.4
25	e1.7	e2.2	e2.0	e2.1	e1.9	e2.4	e2.2	e2.6	e1.5	e1.1	e1.1	e1.4
26	e1.9	e2.3	e2.1	e2.3	e1.8	e2.4	e2.2	e2.6	e1.5	e1.1	e1.1	e1.3
27	e1.9	e2.3	e2.0	e2.1	e1.8	e2.4	e2.1	e2.7	e1.5	e1.1	e1.1	e1.3
28	e1.9	e2.2	e2.0	e2.0	e1.9	e2.7	e2.1	e2.7	e1.5	e1.1	e1.1	e1.3
29	e1.9	e2.1	e2.0	e1.9	e1.8	e2.6	e2.0	e2.7	e1.5	e1.1	e1.2	e1.3
30	e2.0	e2.1	e2.0	e1.9	---	e2.6	e2.0	e2.7	e1.5	e1.1	e1.1	e1.3
31	e1.9	---	e2.0	e1.9	---	e2.6	---	e2.5	---	e1.2	e1.0	---
TOTAL	56.8	65.9	65.4	61.4	51.3	64.6	71.8	73.3	47.3	39.88	33.7	35.8
MEAN	1.83	2.20	2.11	1.98	1.77	2.08	2.39	2.36	1.58	1.29	1.09	1.19
MAX	2.1	2.6	2.3	2.3	2.0	2.7	2.8	2.7	2.2	4.0	1.2	1.4
MIN	1.5	1.8	2.0	1.8	1.6	1.7	2.0	1.9	1.5	.98	1.0	1.0
AC-FT	113	131	130	122	102	128	142	145	94	79	67	71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	2.61	2.41	2.38	2.42	2.41	2.51	2.43	5.32	6.32	4.28	2.71	2.51
MAX	4.07	3.20	3.45	3.34	2.79	3.59	3.01	11.8	13.2	9.09	3.93	3.88
(WY)	1998	1998	1998	1998	1998	1998	1998	1993	1995	1995	1995	1997
MIN	1.73	1.84	1.85	1.94	1.77	2.08	2.12	2.36	1.58	1.29	1.09	1.19
(WY)	1995	1993	1995	1993	2000	2000	1995	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	967.2		667.18			
ANNUAL MEAN	2.65		1.82		3.27	
HIGHEST ANNUAL MEAN					4.35	1993
LOWEST ANNUAL MEAN					1.82	2000
HIGHEST DAILY MEAN	15	Jul 15	4.0	Jul 9	29	May 27 1993
LOWEST DAILY MEAN	1.5	Oct 12	.98	Jul 22	.98	Jul 22 2000
ANNUAL SEVEN-DAY MINIMUM	1.6	Oct 10	1.0	Jul 16	1.0	Jul 16 2000
ANNUAL RUNOFF (AC-FT)	1920		1320		2370	
10 PERCENT EXCEEDS	3.2		2.5		5.1	
50 PERCENT EXCEEDS	2.7		1.9		2.6	
90 PERCENT EXCEEDS	2.0		1.1		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, 296 ft^3/s, Jul 28, 1998, gage-height, 7.43 ft; minimum daily discharge, 3.1 ft^3/s, Jun 5, 2000.

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)
(a)Jul 9	----	*107	*7.30	No other peak greater than base discharge.			

Minimum daily discharge, 3.1 ft^3/s, Jun 5.
(a)Peak is estimated.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	6.0	7.0	6.7	6.2	6.5	5.7	4.1	e3.9	e3.6	e3.5	e3.5
2	4.8	6.0	7.0	6.8	6.0	6.4	5.7	4.0	e3.7	e3.6	e3.6	e3.4
3	4.7	5.8	7.3	6.4	5.9	6.4	5.9	4.0	e3.5	e3.6	e3.6	e3.4
4	4.7	6.8	6.9	6.4	6.0	6.4	5.8	3.9	e3.3	e3.6	e3.5	e3.4
5	4.8	7.0	6.8	6.5	5.8	6.4	5.8	3.8	e3.1	e3.6	e3.6	e3.5
6	4.9	6.6	6.9	6.5	5.8	6.4	5.8	3.8	e3.2	e3.5	e3.6	e3.5
7	5.3	6.4	7.0	6.3	5.7	6.8	5.7	3.7	e3.2	e3.5	e3.5	e3.5
8	5.5	6.4	7.1	6.3	5.8	6.6	5.6	3.7	e3.3	e3.5	e3.5	e3.6
9	5.3	6.5	6.7	6.4	5.9	6.6	5.5	3.7	e3.3	e9.0	e3.5	e3.7
10	4.8	6.4	7.1	6.5	5.9	6.5	5.4	3.8	e3.5	e4.0	e3.5	e3.6
11	4.6	6.5	7.0	6.6	6.3	6.3	5.3	3.6	e3.4	e3.7	e3.5	e3.5
12	4.5	6.3	6.5	6.5	6.3	6.2	5.2	3.6	e3.4	e3.6	e3.5	e3.6
13	4.6	6.3	6.6	6.3	6.2	6.2	5.2	4.0	e3.4	e3.6	e3.6	e3.6
14	4.5	6.2	6.5	6.2	6.0	6.1	5.2	3.8	e3.4	e3.6	e3.6	e3.6
15	4.6	6.1	6.3	6.3	6.0	6.1	5.4	3.9	e3.4	e3.6	e3.5	e3.5
16	4.9	6.4	6.3	6.3	6.0	6.1	5.3	4.0	e3.5	e3.6	e3.5	e3.6
17	5.5	7.0	6.5	6.4	6.2	6.1	5.1	3.9	e3.5	e3.5	e3.6	e3.6
18	5.7	7.1	6.7	6.5	6.3	6.2	4.9	3.8	e3.5	e3.5	e3.7	e3.7
19	5.8	7.2	6.7	6.5	6.2	6.3	4.9	3.9	e3.7	e3.5	e3.7	e3.7
20	5.9	7.3	6.8	6.5	6.1	6.8	4.9	3.8	e3.6	e3.5	e3.7	e3.6
21	5.9	7.3	6.8	6.5	6.2	6.7	4.8	4.0	e3.6	e3.5	e3.6	e3.7
22	5.9	7.4	6.5	6.7	6.4	6.5	5.0	4.1	e3.6	e3.5	e3.7	e3.8
23	5.9	7.1	6.5	e6.8	6.5	6.4	5.2	4.1	e3.5	e3.5	e3.7	e3.8
24	5.8	6.9	6.5	e6.9	6.8	6.3	4.9	3.9	e3.6	e3.6	e3.7	e3.8
25	5.3	7.0	6.5	e7.0	6.6	6.2	4.8	4.0	e3.6	e3.6	3.5	e3.8
26	5.9	7.1	6.6	7.4	6.5	5.9	4.6	4.0	e3.5	e3.6	3.5	e3.7
27	5.8	7.2	6.5	6.7	6.5	5.6	4.4	4.2	e3.6	e3.6	3.5	e3.7
28	5.8	7.1	6.6	6.6	6.7	6.0	4.4	4.2	e3.6	e3.6	3.6	e3.7
29	5.8	7.0	6.6	6.3	6.6	5.9	4.2	e4.2	e3.5	e3.6	e3.8	e3.7
30	6.1	7.0	6.6	6.2	---	5.9	4.2	e4.2	e3.5	e3.6	e3.5	e3.7
31	6.0	---	6.6	6.2	---	5.8	---	e4.1	---	e3.7	e3.4	---
TOTAL	164.4	201.4	208.0	202.2	179.4	194.6	154.8	121.8	104.4	116.6	110.8	108.5
MEAN	5.30	6.71	6.71	6.52	6.19	6.28	5.16	3.93	3.48	3.76	3.57	3.62
MAX	6.1	7.4	7.3	7.4	6.8	6.8	5.9	4.2	3.9	9.0	3.8	3.8
MIN	4.5	5.8	6.3	6.2	5.7	5.6	4.2	3.6	3.1	3.5	3.4	3.4
AC-FT	326	399	413	401	356	386	307	242	207	231	220	215

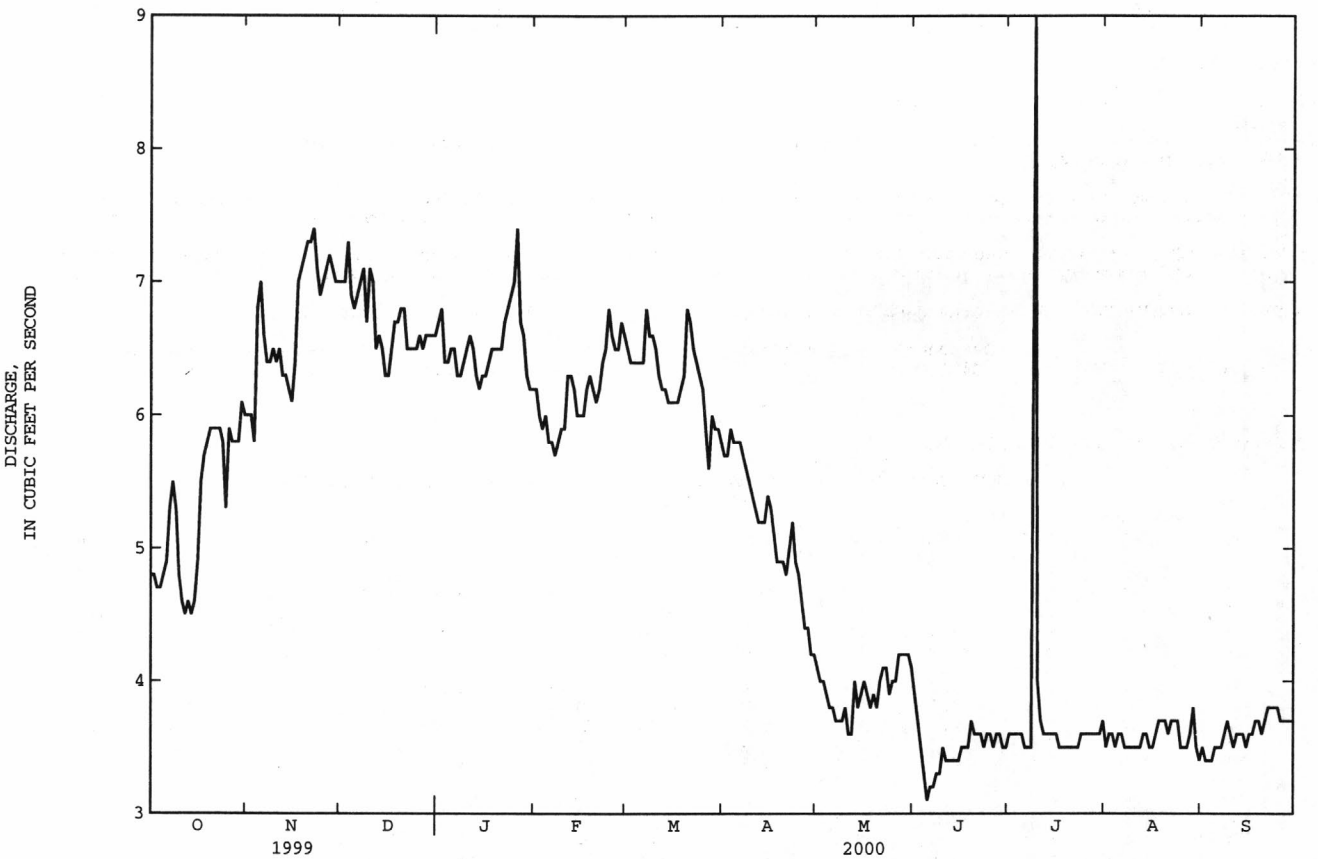
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	6.88	7.99	7.47	7.24	7.09	7.28	6.48	6.88	7.23	5.59	5.03	5.57
MAX	8.33	8.95	8.36	8.53	8.37	8.77	8.43	17.2	15.4	9.85	6.72	7.50
(WY)	1998	1998	1996	1993	1998	1998	1993	1993	1993	1995	1997	1997
MIN	5.30	6.71	6.71	5.64	6.19	6.28	5.16	3.93	3.48	3.31	3.56	3.62
(WY)	2000	2000	2000	1999	2000	2000	2000	2000	2000	1994	1994	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	2153.7		1866.9			
ANNUAL MEAN	5.90		5.10		6.74	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					5.10	2000
HIGHEST DAILY MEAN	27	Jul 15	9.0	Jul 9	34	May 27 1993
LOWEST DAILY MEAN	4.2	Aug 2	3.1	Jun 5	3.1	Jun 5 2000
ANNUAL SEVEN-DAY MINIMUM	4.4	Jul 27	3.3	Jun 3	3.2	Jul 7 1994
ANNUAL RUNOFF (AC-FT)	4270		3700		4880	
10 PERCENT EXCEEDS	6.9		6.8		8.5	
50 PERCENT EXCEEDS	5.7		5.3		6.5	
90 PERCENT EXCEEDS	4.9		3.5		4.3	

e Estimated

09182400 CASTLE CREEK BELOW CASTLE VALLEY, NEAR MOAB, UT--Continued



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 October 1, 1987 at different site and datum.

REMARKS.--Records good 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)
May 6	0045	*38	*2.68				

Minimum discharge, 3.1 ft^3/s, Feb 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	6.7	7.2	6.8	5.7	5.6	6.6	24	22	10	5.4	6.6
2	8.3	6.6	7.1	6.9	5.6	5.5	6.6	26	19	8.9	5.5	6.2
3	8.0	6.6	7.3	6.8	5.8	5.5	6.8	29	18	8.3	5.8	6.0
4	7.7	6.6	6.4	e6.7	6.0	5.6	7.3	30	18	8.0	6.1	5.9
5	7.6	6.6	e6.2	6.8	6.0	6.0	8.6	32	18	7.8	6.5	5.8
6	7.5	6.8	6.2	e6.7	5.8	5.9	9.8	32	17	7.7	7.1	5.9
7	7.6	7.4	6.7	e6.7	5.7	6.5	11	31	16	7.9	7.2	5.9
8	7.7	7.2	6.9	e6.7	5.7	5.7	11	31	15	8.2	7.1	6.4
9	7.5	7.1	6.5	6.6	5.8	5.7	12	26	16	8.5	7.2	6.7
10	7.4	7.0	6.9	6.7	5.8	5.6	13	25	15	8.1	7.2	6.3
11	7.1	6.9	6.7	6.7	5.8	5.5	11	28	14	7.7	6.6	5.8
12	7.0	6.8	e6.7	6.7	5.8	5.6	11	25	14	7.4	6.9	5.1
13	7.0	6.8	6.8	6.5	5.7	5.6	12	20	13	e7.2	7.0	5.2
14	7.0	6.8	e6.8	6.5	5.7	5.7	13	18	12	7.2	6.3	5.2
15	7.0	6.7	e6.6	6.5	5.6	5.7	12	17	12	7.0	6.7	5.1
16	7.0	6.8	e6.7	6.6	5.6	5.6	11	17	12	7.0	6.6	5.0
17	7.0	7.0	7.0	6.7	5.8	5.6	12	17	11	7.1	6.5	5.1
18	7.1	7.4	6.8	8.3	5.8	5.9	13	16	12	6.7	6.5	5.8
19	7.1	7.2	6.8	7.2	5.3	6.0	12	15	12	6.6	6.5	5.6
20	7.1	7.4	6.8	7.0	5.7	6.7	11	15	11	6.2	6.4	5.5
21	7.1	7.4	6.8	7.0	5.7	6.3	12	15	11	6.1	6.2	5.4
22	7.0	7.6	e6.7	6.9	5.7	6.0	13	16	10	6.0	6.1	5.4
23	6.9	6.0	e6.5	6.2	5.6	6.1	13	17	11	5.9	5.9	5.8
24	6.8	e6.4	e6.5	7.1	5.7	6.3	14	21	11	5.9	5.7	6.1
25	6.8	6.8	6.6	6.7	5.4	6.6	14	23	10	5.9	6.0	5.9
26	6.8	7.6	6.6	6.9	4.9	6.9	16	22	9.6	5.8	6.6	5.9
27	6.8	7.7	6.5	6.0	5.8	7.2	19	21	9.4	5.7	6.2	5.8
28	6.8	7.3	6.5	4.1	5.8	8.0	23	21	9.2	5.5	6.1	5.7
29	6.8	7.1	6.5	4.0	5.7	7.2	25	23	9.0	5.5	7.5	6.3
30	6.7	7.1	6.7	4.6	---	7.0	23	23	9.1	5.4	7.4	6.2
31	6.7	---	6.6	5.8	---	6.8	---	21	---	5.5	6.9	---
TOTAL	223.2	209.4	207.6	201.4	165.0	189.9	382.7	697	396.3	216.7	201.7	173.6
MEAN	7.20	6.98	6.70	6.50	5.69	6.13	12.8	22.5	13.2	6.99	6.51	5.79
MAX	8.3	7.7	7.3	8.3	6.0	8.0	25	32	22	10	7.5	6.7
MIN	6.7	6.0	6.2	4.0	4.9	5.5	6.6	15	9.0	5.4	5.4	5.0
AC-FT	443	415	412	399	327	377	759	1380	786	430	400	344

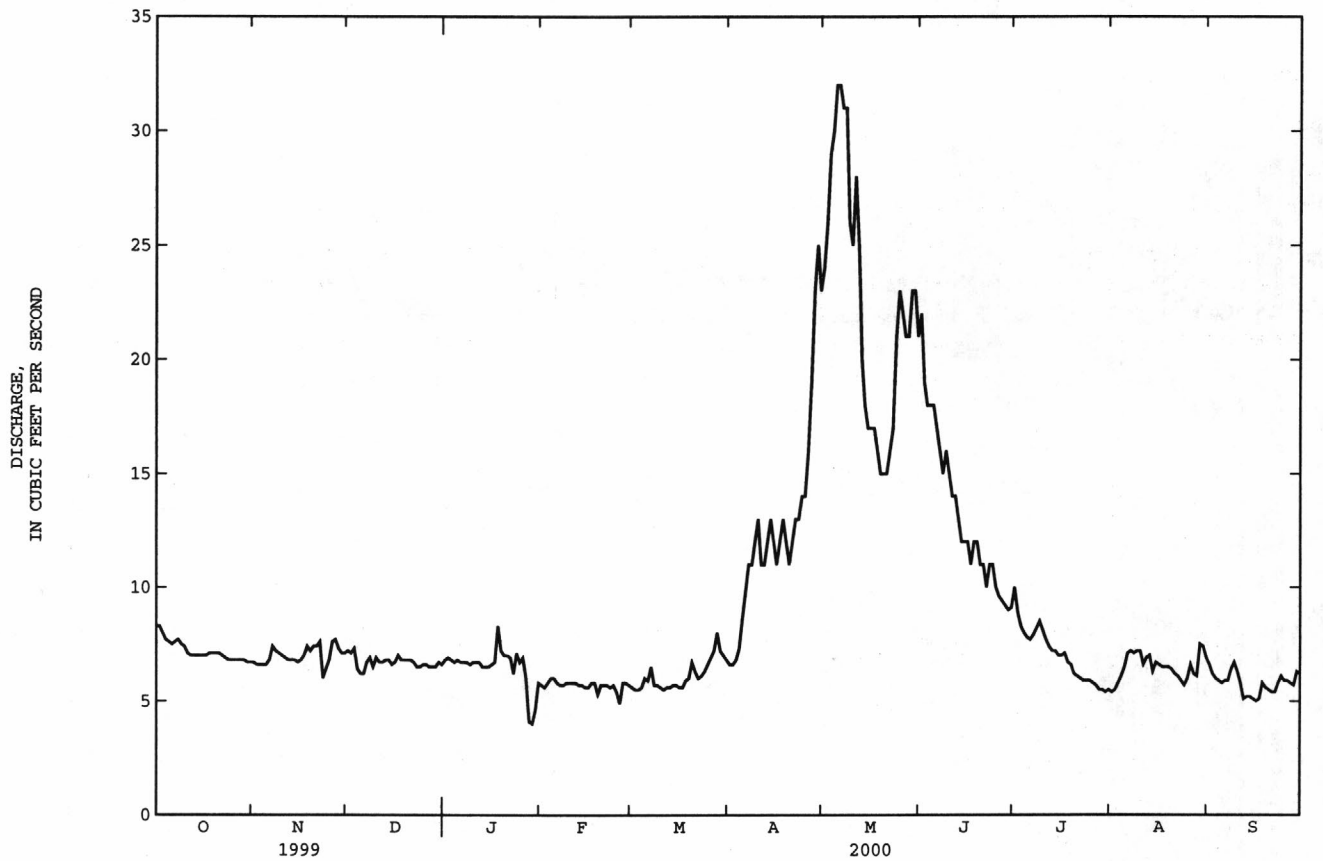
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-2000, BY WATER YEAR (WY)

MEAN	8.71	7.58	6.86	6.28	5.87	6.50	11.2	28.2	27.8	14.8	10.3	8.81
MAX	15.4	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	40.7	18.7	13.5
(WY)	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955-59, 1988-2000	
ANNUAL TOTAL	3645.0		3264.5			
ANNUAL MEAN	9.99		8.92		11.9	
HIGHEST ANNUAL MEAN					20.4	1993
LOWEST ANNUAL MEAN					6.13	1990
HIGHEST DAILY MEAN	53	Aug 28	32	May 5	141	May 27 1993
LOWEST DAILY MEAN	4.6	Feb 11	4.0	Jan 29	2.8	Nov 2 1956
ANNUAL SEVEN-DAY MINIMUM	5.9	Feb 20	5.1	Jan 28	3.2	Oct 30 1956
ANNUAL RUNOFF (AC-FT)	7230		6480		8640	
10 PERCENT EXCEEDS	17		16		23	
50 PERCENT EXCEEDS	7.3		6.8		7.7	
90 PERCENT EXCEEDS	6.2		5.7		5.1	

e Estimated

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT--Continued



09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW$^1/_4$ NE$^1/_4$ NE$^1/_4$ 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.--14,000 mi^2, of which 4,260 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, probably is noncontributing.

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.--Records good except those for estimated daily discharges, which are poor. Some regulation by Fontenelle Reservoir (station 09211150) since August 1963. Natural flow of stream affected by transbasin diversions, storage reservoirs, power generation, and diversions for irrigation of about 223,000 acres upstream from station. National Weather Service data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 22,200 ft^3/s, June 19, 1918, at site 1.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1230	e1100	e1120	e1000	1180	1250	1360	1500	1350	925	960
2	1210	1250	e1150	e1100	e1040	1170	1230	1360	1520	1350	918	969
3	1220	1180	e1140	e1060	e1100	1170	1230	1340	1470	1340	922	976
4	1240	1180	e1100	e1050	e1070	1170	1240	1370	1460	1320	938	937
5	1250	1180	e1100	e1100	e1020	1190	1240	1380	1440	1340	930	915
6	1250	1180	e1100	e1100	e1040	1200	1230	1360	1420	1350	935	913
7	1240	1190	e1100	e1090	e1100	1210	1220	1350	1530	1350	937	923
8	1220	1190	e1130	e1130	e1150	1200	1220	1350	1540	1350	948	931
9	1220	1190	e1200	e1150	e1200	1220	1230	1380	1660	1340	950	928
10	1220	1180	e1180	e1190	e1150	1220	1220	1400	1620	1350	959	924
11	1230	1190	e1170	e1180	e1190	1220	1230	1430	1600	1290	958	908
12	1220	1220	e1180	e1120	e1170	1200	1250	1390	1570	1120	940	891
13	1210	1230	e1180	e1100	e1120	1190	1240	1400	1560	976	953	870
14	1210	1230	e1170	e1130	e1100	1200	1250	1380	1540	861	949	828
15	1210	1250	e1170	e1100	e1160	1220	1270	1360	1570	788	944	815
16	1210	1260	e1200	e1100	e1200	1230	1220	1420	1550	769	953	816
17	1220	1240	e1250	e1140	e1120	1210	1210	1440	1560	766	935	823
18	1230	1250	e1300	e1140	e1090	1190	1190	1470	1550	763	921	811
19	1250	1240	e1200	e1180	e1090	1210	1310	1450	1590	752	945	806
20	1230	e1240	e1150	e1180	e1060	1230	1370	1420	1570	739	938	798
21	1220	e1200	e1100	e1150	e1040	1220	1390	1450	1540	752	912	793
22	1220	e1140	e1100	e1150	e1020	1220	1390	1430	1530	754	916	812
23	1220	e1100	e1070	e1100	e1080	1220	1380	1400	1520	753	926	860
24	1220	e1050	e1100	e1130	e1110	1210	1350	1440	1510	738	931	879
25	1210	e1100	e1040	e1100	e1100	1240	1340	1360	1510	735	925	856
26	1240	e1170	e1100	e1100	e1110	1240	1340	1440	1490	727	939	848
27	1230	e1150	e1140	e1100	e1180	1270	1340	1410	1500	731	979	844
28	1240	e1100	e1140	e1050	e1200	1270	1350	1400	1420	720	939	828
29	1240	e1100	e1180	e1050	1190	1280	1340	1410	1340	754	939	825
30	1240	e1100	e1200	e960	---	1270	1340	1460	1340	861	959	817
31	1250	---	e1180	e940	---	1270	---	1430	---	919	979	---
TOTAL	38050	35510	35620	34290	32200	37740	38410	43440	45520	30708	29142	26104
MEAN	1227	1184	1149	1106	1110	1217	1280	1401	1517	991	940	870
MAX	1250	1260	1300	1190	1200	1280	1390	1470	1660	1350	979	976
MIN	1210	1050	1040	940	1000	1170	1190	1340	1340	720	912	793
AC-FT	75470	70430	70650	68010	63870	74860	76190	86160	90290	60910	57800	51780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	974	860	740	757	830	1051	1650	2614	4906	3290	1590	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	862710		426734		--	
ANNUAL MEAN	2364		1166		1702	
HIGHEST ANNUAL MEAN	--		--		3089	1986
LOWEST ANNUAL MEAN	--		--		689	1977
HIGHEST DAILY MEAN	9220	Jun 6	1660	Jun 9	16700	Sep 7 1965
LOWEST DAILY MEAN	910	Jan 29	720	Jul 28	170	Nov 16 1955
ANNUAL SEVEN-DAY MINIMUM	939	Jan 27	737	Jul 22	214	Dec 24 1962
INSTANTANEOUS PEAK FLOW	--		1730	Jun 9	16800[a]	Sep 7 1965
INSTANTANEOUS PEAK STAGE	--		3.70[b]	Dec 17	8.53[a]	Sep 7 1965
ANNUAL RUNOFF (AC-FT)	1711000		846400		1233000	
10 PERCENT EXCEEDS	7020		1420		3750	
50 PERCENT EXCEEDS	1370		1190		1100	
90 PERCENT EXCEEDS	1120		903		456	

a Caused by emergency release from Fontenelle Reservoir.
b Backwater from ice.
e Estimated.

09217900 BLACKS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 40°57'33", long 110°34'46", in $SW^1/_4$ $SW^1/_4$ $SW^1/_4$ sec.27, T.3 N., R.12 E., Summit County, Utah, 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.

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 benchmark). 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.--Records good except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry 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 23	2130	*1,250	*3.98				
May 29	2130	1,190	3.93				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	27	e17	e29	e24	e21	e29	200	483	100	34	51
2	39	26	e18	e29	e25	e22	29	269	441	93	38	68
3	41	26	e18	e28	e26	e23	33	331	422	87	42	48
4	39	28	e17	e29	e27	e24	61	407	402	83	44	41
5	39	25	e17	e30	e26	e25	70	456	385	78	36	39
6	37	24	e18	e30	e26	e24	71	432	362	73	31	39
7	42	25	e20	e29	e25	e23	69	398	338	69	30	38
8	43	23	e22	e30	e25	e21	81	340	324	66	30	38
9	39	20	e24	e31	e26	e20	85	270	296	67	29	49
10	36	22	e26	e32	e27	e19	84	279	230	75	29	39
11	34	23	e28	e31	e28	e18	89	275	203	79	27	35
12	33	22	e30	e30	e27	e17	100	216	194	64	25	35
13	32	20	e31	e29	e26	e16	109	186	208	61	25	34
14	31	21	e32	e29	e27	e15	112	184	186	59	24	34
15	31	24	e32	e30	e28	e14	99	203	182	57	24	34
16	26	25	e33	e31	e29	e15	91	242	175	59	25	32
17	36	21	e34	e31	e28	e16	98	232	157	62	24	33
18	34	18	e33	e32	e27	e16	105	224	173	52	25	34
19	29	e19	e31	e33	e26	e17	95	247	198	56	35	34
20	30	e18	e30	e31	e25	e16	95	279	152	53	25	34
21	28	e17	e31	e30	e24	e17	106	381	131	50	23	37
22	28	e16	e32	e29	e23	e19	110	505	126	47	23	65
23	28	e15	e31	e28	e24	e20	107	775	121	45	26	67
24	27	e14	e30	e29	e25	e21	103	930	118	46	26	59
25	25	e16	e30	e30	e26	e23	104	885	119	50	25	61
26	26	e17	e31	e31	e25	e25	132	861	120	50	33	58
27	26	e18	e31	e29	e24	e27	172	562	120	43	77	50
28	27	e19	e32	e28	e22	e29	218	718	108	39	40	47
29	25	e18	e31	e27	e21	e30	192	909	102	39	34	46
30	30	e17	e30	e26	---	e29	163	794	101	37	39	44
31	33	---	e29	e25	---	e28	---	623	---	35	50	---
TOTAL	1017	624	849	916	742	650	3012	13613	6677	1874	998	1323
MEAN	32.8	20.8	27.4	29.5	25.6	21.0	100	439	223	60.5	32.2	44.1
MAX	43	28	34	33	29	30	218	930	483	100	77	68
MIN	25	14	17	25	21	14	29	184	101	35	23	32
AC-FT	2020	1240	1680	1820	1470	1290	5970	27000	13240	3720	1980	2620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	53.9	40.4	32.8	27.4	24.3	25.3	51.0	399	780	341	110	69.1
MAX	136	62.0	50.0	55.7	36.9	38.6	112	789	1273	1003	232	157
(WY)	1983	1974	1974	1997	1974	1969	1985	1984	1983	1975	1983	1982
MIN	23.9	20.8	11.1	6.73	9.32	9.78	19.4	134	223	60.5	32.2	37.3
(WY)	1993	2000	1977	1977	1977	1994	1975	1975	2000	2000	2000	1976

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	62734		32295		--	
ANNUAL MEAN	172		88.2		163	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		79.3	1977
HIGHEST DAILY MEAN	1680	Jun 17	930	May 24	1880	Jun 19 1983
LOWEST DAILY MEAN	14	Nov 24	14	Nov 24,Mar 15	3.2	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	16	Apr 3	16	Mar 12	3.9	Apr 2 1994
INSTANTANEOUS PEAK FLOW	--		1250	May 23	2480[a]	Jun 19 1983
INSTANTANEOUS PEAK STAGE	--		3.98	May 23	5.17	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	124400		64060		118300	
10 PERCENT EXCEEDS	705		220		500	
50 PERCENT EXCEEDS	32		32		46	
90 PERCENT EXCEEDS	18		20		21	

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

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 September 2, 1959, water-stage recorder at site 2.2 mi upstream at different datum. September 3, 1959, to September 30, 1985, at datum 5.0 ft lower.

REMARKS.-- Records good. Flow completely regulated by Flaming Gorge Reservoir 0.5 mi upstream, beginning November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft^3/s, Jun 12, 1957, gage height, 10.60 ft, site and datum then in use; maximum gage height, 14.51 ft, May 12, Jun 6, 1986, datum then in use; minimum, 2.3 ft^3/s, Mar 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,690 ft^3/s, May 23, gage height, 11.86 ft; minimum daily discharge, 996 ft^3/s, Sep 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	2140	2210	2220	1880	1820	1810	1840	4580	1400	1360	1280
2	2090	2140	2190	2210	1880	1810	1810	1850	4600	1400	1340	1280
3	2090	2140	2200	2210	1870	1810	1810	1770	4550	1400	1310	1280
4	2090	2150	2200	2220	1870	1810	1810	1850	4460	1400	1340	1280
5	2090	2150	2210	2220	1870	1810	1820	1910	4470	1410	1350	1280
6	2150	2150	2200	2220	1860	1820	1810	1850	4160	1410	1340	1290
7	2150	2150	2210	2220	1860	1810	1810	1850	3740	1400	1340	1290
8	2150	2160	2200	2220	1830	1810	1810	1870	3340	1400	1340	1290
9	2160	2160	2200	2210	1850	1820	1820	1860	2980	1400	1330	1300
10	2160	2160	2210	2210	1850	1810	1810	1850	2620	1400	1320	1290
11	2100	2160	2210	2200	1850	1820	1820	1860	2240	1410	1330	1290
12	2080	2170	2210	2210	1840	1810	1820	1860	1900	1400	1320	1300
13	2070	2170	2210	2210	1840	1820	1820	1870	1480	e1380	1320	1300
14	2070	2170	2210	2200	1840	1810	1820	1870	1400	1370	1320	1300
15	2080	2180	2210	2200	1840	1810	1820	1870	1380	1390	1310	1310
16	2140	2180	2210	2200	1830	1810	1820	2320	1380	1410	1320	1310
17	2160	2180	2210	2190	1830	1820	1710	3070	1390	1400	1310	1310
18	2100	2180	2210	2190	1850	1820	1680	3130	1390	1400	1310	1320
19	2090	2180	2210	2190	1840	1860	1660	3110	1390	e1400	1310	1400
20	2090	2180	2210	2190	1840	1820	1820	3130	1390	e1420	1300	1220
21	2090	2190	2220	2180	1840	1820	1830	3140	1390	1440	1290	1110
22	2100	2190	2220	2180	1830	1810	1830	3440	1390	1440	1300	1020
23	2140	2190	2220	2180	1820	1810	1830	4230	1390	1430	1290	1020
24	2100	2200	2220	2170	1830	1810	1830	4610	1390	1430	1290	1020
25	2110	2200	2220	2180	1830	1810	1810	4590	1390	1430	1290	1000
26	2110	2200	2220	2170	1820	1820	1780	4600	1390	1420	1280	996
27	2100	2200	2220	2160	1820	1810	1840	4600	1400	1420	1280	999
28	2120	2210	2220	2180	1820	1810	1840	4590	1400	1420	1280	999
29	2120	2210	2220	2180	1820	1810	1840	4600	1390	1410	1280	998
30	2130	2210	2220	2170	---	1810	1840	4600	1400	1410	1260	1000
31	2130	---	2220	2160	---	1820	---	4580	---	1410	1270	---
TOTAL	65440	65250	68550	68050	53450	56270	54180	90170	68770	43660	40630	36082
MEAN	2111	2175	2211	2195	1843	1815	1806	2909	2292	1408	1311	1203
MAX	2160	2210	2220	2220	1880	1860	1840	4610	4600	1440	1360	1400
MIN	2070	2140	2190	2160	1820	1810	1660	1770	1380	1370	1260	996
AC-FT	129800	129400	136000	135000	106000	111600	107500	178900	136400	86600	80590	71570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	1926	2090	2284	2205	2180	1852	1994	2526	2622	2385	2037	1902
MAX	3911	3655	3626	4145	4090	3818	4271	7146	8044	10130	5056	3729
(WY)	1983	1983	1973	1985	1984	1977	1997	1986	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	1164870		710502			
ANNUAL MEAN	3191		1941		2167	
HIGHEST ANNUAL MEAN					4270	1983
LOWEST ANNUAL MEAN					1044	1989
HIGHEST DAILY MEAN	10900	Jun 12	4610	May 24	12300	Jul 16 1983
LOWEST DAILY MEAN	1290	Aug 28	996	Sep 26	90	Oct 8 1963
ANNUAL SEVEN-DAY MINIMUM	1740	Aug 27	1000	Sep 24	112	Oct 2 1963
ANNUAL RUNOFF (AC-FT)	2311000		1409000		1570000	
10 PERCENT EXCEEDS	4490		2220		3770	
50 PERCENT EXCEEDS	2410		1840		1920	
90 PERCENT EXCEEDS	2080		1300		898	

e Estimated

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 TEMPERATURE: 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 November 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. Instrument failure, resulted in lost record for 1999.

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, Jun 2, 1961.
WATER TEMPERATURE (water years 1957-59): Maximum, 24.0°C, Jul 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, 507 microsiemens, Jul 29, 1998.
WATER TEMPERATURE: (water years 1964 to current year): Maximum, 17.2°C, Jul 9, 1989; minimum 1.6°C, Mar 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 646 microsiemens, Mar 1-3; minimum recorded, 594 microsiemens, May 31.
WATER TEMPERATURE: Maximum recorded, 14.6°C, Jul 24; minimum recorded, 3.8°C, Mar 20-22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
12...	1530	2130	622	90	8.1	8.6	630	--	11.0	230
DEC										
02...	1410	2180	614	92	8.8	8.7	630	7.5	8.0	230
JAN										
12...	1240	2330	618	91	9.4	8.2	640	5.0	5.0	250
MAR										
01...	1320	1870	617	88	9.3	8.5	640	9.5	4.0	230
APR										
13...	1240	1690	618	111	11.3	8.6	640	15.0	5.5	230
MAY										
25...	1220	4770	615	94	8.6	8.7	600	15.0	9.5	220
JUL										
13...	1310	1360	704	94	8.9	8.5	600	30.0	14.0	220
AUG										
30...	1310	1140	618	90	8.2	8.5	620	23.0	10.0	220

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT										
12...	55	22	2.2	1	48	31	163	15	.26	3.2
DEC										
02...	58	22	2.1	1	47	30	163	15	.24	3.8
JAN										
12...	65	22	2.4	1	46	28	164	15	.24	4.0
MAR										
01...	57	21	2.3	1	46	30	161	15	.32	4.3
APR										
13...	58	21	2.4	1	45	30	163	14	.25	2.5
MAY										
25...	54	20	2.2	1	41	29	160	14	.20	2.6
JUL										
13...	55	21	1.9	1	44	30	157	13	.24	2.2
AUG										
30...	54	21	2.4	1	44	30	161	12	.28	2.7

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT										
12...	170	.26	.026	.29	.8	9.79	.56	2360	410	413
DEC										
02...	150	.13	.024	.16	.6	9.68	.54	2350	--	399
JAN										
12...	150	.21	.047	.26	2.0	9.69	.57	2630	418	406
MAR										
01...	150	.20	.062	.26	1.0	9.34	.56	2090	414	397
APR										
13...	150	.29	<.005	--	.8	9.25	.54	1820	398	387
MAY										
25...	140	.27	.010	.28	.6	11.78	.53	4980	387	371
JUL										
13...	140	.28	.011	.30	.9	8.61	.54	1450	394	369
AUG										
30...	150	.22	.021	.24	1.0	8.26	.54	1230	400	383

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT		
12...	1530	<2
DEC		
02...	1410	<2
JAN		
12...	1240	<2
MAR		
01...	1320	<2
APR		
13...	1240	<2
MAY		
25...	1220	E2
JUL		
13...	1310	E2
AUG		
30...	1310	<2

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	640	639	640	641	635	637	639	638	638
2	---	---	---	640	639	639	635	635	635	639	638	638
3	---	---	---	639	638	639	635	634	634	639	638	639
4	---	---	---	639	638	639	636	635	636	639	638	639
5	---	---	---	639	638	639	637	635	636	639	639	639
6	---	---	---	639	637	638	637	636	636	639	639	639
7	---	---	---	639	639	639	637	636	637	639	638	639
8	---	---	---	639	638	639	637	637	637	639	639	639
9	---	---	---	640	638	639	638	637	638	640	638	639
10	---	---	---	639	638	639	638	637	637	640	639	639
11	---	---	---	639	638	638	637	637	637	640	639	640
12	---	---	---	643	639	640	638	637	637	640	639	640
13	---	---	---	643	642	643	638	637	638	640	640	640
14	---	---	e640	643	642	642	638	636	637	640	639	640
15	643	638	641	642	641	641	639	638	638	640	639	640
16	639	638	638	641	639	640	638	638	638	640	639	640
17	640	638	639	642	633	639	638	638	638	640	639	640
18	640	638	639	633	632	632	638	638	638	640	639	640
19	639	638	638	637	633	634	638	638	638	640	640	640
20	639	637	638	637	634	635	639	638	638	640	639	640
21	639	638	639	636	634	635	639	638	638	640	639	640
22	640	639	639	634	632	632	639	638	638	640	640	640
23	640	639	639	633	632	632	639	638	639	640	640	640
24	641	639	640	633	632	633	639	638	638	640	640	640
25	641	640	640	634	633	633	639	638	639	641	639	640
26	642	640	641	636	634	635	639	638	638	640	639	640
27	641	639	640	636	635	635	639	638	638	640	639	640
28	643	638	641	636	635	635	639	637	638	640	639	640
29	638	629	634	636	634	635	639	638	638	640	639	639
30	638	633	635	639	635	638	639	638	638	640	639	640
31	640	638	639	---	---	---	639	638	638	640	639	640
MONTH	---	---	---	643	632	637	641	634	637	641	638	640

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	640	639	640	646	635	639	634	631	632	---	---	---
2	641	640	640	646	645	646	631	631	631	---	---	---
3	640	639	640	646	643	644	632	631	632	---	---	---
4	641	640	640	644	642	643	632	631	631	---	---	---
5	641	639	640	644	642	643	631	630	631	---	---	---
6	640	639	640	645	642	643	631	630	630	---	---	---
7	640	639	639	645	640	641	631	630	630	---	---	---
8	640	639	639	642	640	640	631	630	630	---	---	---
9	640	639	639	642	640	640	630	628	630	---	---	---
10	640	640	640	640	640	640	631	629	630	---	---	---
11	641	639	640	640	640	640	632	630	631	---	---	---
12	641	639	640	640	638	639	632	629	631	---	---	---
13	640	639	640	639	638	639	632	630	631	---	---	---
14	640	639	640	638	637	638	633	632	632	---	---	---
15	640	639	640	637	636	636	632	626	630	---	---	---
16	640	640	640	637	635	636	631	627	630	---	---	---
17	641	640	640	638	635	636	631	624	627	---	---	---
18	640	640	640	637	636	636	628	623	625	---	---	---
19	640	639	640	637	636	636	627	623	625	---	---	---
20	640	636	638	636	635	635	626	623	626	---	---	---
21	640	638	639	636	635	636	629	622	625	---	---	---
22	640	637	638	636	635	635	628	617	623	---	---	---
23	640	636	638	636	635	636	620	613	617	---	---	---
24	640	638	638	635	634	635	624	615	618	---	---	---
25	638	636	637	635	634	635	627	620	624	---	---	e602
26	637	636	636	635	633	634	625	620	622	602	599	600
27	638	636	637	634	633	634	624	618	623	599	598	599
28	638	635	636	634	632	633	618	615	617	599	596	598
29	636	635	636	633	632	632	619	610	613	599	596	597
30	---	---	---	633	632	633	620	612	616	599	595	597
31	---	---	---	633	632	632	---	---	---	597	594	596
MONTH	641	635	639	646	632	638	634	610	626	---	---	---

e Estimated

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	597	595	596	611	607	609	623	620	622	632	629	631
2	597	596	596	611	609	610	623	620	622	632	629	630
3	597	596	596	611	609	610	624	621	622	632	630	631
4	597	596	597	612	609	610	623	621	622	632	629	630
5	599	596	597	613	610	612	624	621	623	632	630	631
6	600	598	599	614	610	612	625	621	623	632	629	630
7	600	597	598	612	610	611	626	621	623	632	629	631
8	600	598	599	613	611	612	625	621	623	632	629	631
9	601	598	599	613	611	612	627	621	624	632	629	631
10	603	599	602	613	611	612	626	623	624	632	630	631
11	604	602	603	615	611	613	627	623	624	633	631	632
12	605	602	603	614	612	613	626	623	625	633	631	632
13	607	600	603	---	---	e612	627	624	625	634	630	632
14	609	605	607	---	---	---	627	624	625	634	631	632
15	608	600	604	---	---	---	627	623	625	634	632	633
16	607	600	603	---	---	---	627	623	625	635	632	633
17	608	604	607	---	---	---	628	624	625	635	632	633
18	605	604	604	---	---	---	627	621	626	634	632	633
19	606	603	604	---	---	---	628	624	626	635	631	632
20	606	603	604	---	---	e621	627	625	626	634	632	633
21	608	604	606	622	618	620	629	624	626	634	631	633
22	611	607	609	620	616	618	628	625	627	634	632	633
23	610	607	608	620	617	619	628	625	627	634	631	633
24	611	608	610	620	616	618	628	625	627	633	631	632
25	608	607	608	623	617	621	628	625	627	633	632	633
26	608	605	607	624	620	622	629	625	627	633	631	632
27	610	607	608	622	620	621	629	625	627	632	630	632
28	609	607	608	622	619	621	629	626	628	633	630	632
29	609	607	608	622	620	621	629	626	628	633	632	632
30	610	607	608	622	620	621	636	628	629	633	631	632
31	---	---	---	622	620	621	631	628	630	---	---	---
MONTH	611	595	603	---	---	---	636	620	625	635	629	632

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.5	10.7	11.1	9.9	9.8	9.9	8.2	7.9	8.1	5.7	5.6	5.6
2	11.3	10.2	10.9	9.9	9.8	9.9	8.1	8.0	8.0	5.6	5.4	5.6
3	10.9	10.2	10.5	10.0	9.8	9.9	8.0	7.8	7.9	5.4	5.3	5.4
4	11.0	10.2	10.7	9.9	9.7	9.8	7.8	7.7	7.8	5.3	5.3	5.3
5	10.7	10.3	10.5	9.8	9.7	9.7	7.7	7.6	7.7	5.3	5.1	5.2
6	10.4	10.2	10.3	9.8	9.6	9.7	7.6	7.6	7.6	5.2	5.1	5.1
7	10.6	10.3	10.4	9.6	9.5	9.6	7.6	7.5	7.5	5.1	5.1	5.1
8	10.5	9.6	10.3	9.7	9.5	9.6	7.5	7.3	7.4	5.1	5.0	5.0
9	10.1	9.6	9.9	9.7	9.5	9.6	7.3	7.3	7.3	5.0	4.9	5.0
10	10.6	10.1	10.4	9.6	9.5	9.5	7.3	7.2	7.2	4.9	4.9	4.9
11	10.8	10.3	10.6	9.6	9.4	9.5	7.2	7.1	7.1	4.9	4.9	4.9
12	11.0	10.1	10.5	9.5	9.3	9.4	7.2	7.0	7.1	5.0	4.9	4.9
13	10.9	10.2	10.6	9.4	9.3	9.3	7.0	6.9	7.0	4.9	4.9	4.9
14	10.6	10.2	10.4	9.3	9.2	9.3	6.9	6.8	6.8	4.9	4.8	4.9
15	11.1	10.3	10.7	9.4	9.3	9.3	6.8	6.7	6.7	4.9	4.8	4.8
16	11.1	10.6	10.9	9.3	9.1	9.2	6.7	6.6	6.7	4.8	4.8	4.8
17	10.9	10.4	10.7	9.5	8.9	9.1	6.7	6.6	6.7	4.9	4.8	4.9
18	10.9	10.5	10.7	9.6	9.4	9.5	6.6	6.5	6.6	4.9	4.8	4.8
19	10.8	10.6	10.8	9.4	9.1	9.2	6.5	6.4	6.5	4.9	4.8	4.8
20	10.8	10.6	10.7	9.1	9.1	9.1	6.4	6.3	6.4	4.9	4.8	4.8
21	10.7	10.5	10.6	9.1	8.9	9.0	6.3	6.3	6.3	4.8	4.8	4.8
22	10.6	10.4	10.5	9.0	8.9	8.9	6.3	6.2	6.2	4.8	4.7	4.8
23	10.5	10.3	10.4	8.9	8.6	8.8	6.2	6.1	6.1	4.8	4.7	4.8
24	10.4	10.2	10.3	8.6	8.5	8.6	6.1	6.0	6.1	4.7	4.7	4.7
25	10.3	10.2	10.2	8.5	8.4	8.5	6.0	6.0	6.0	4.7	4.7	4.7
26	10.2	10.0	10.1	8.4	8.3	8.4	6.0	5.9	6.0	4.7	4.7	4.7
27	10.3	10.0	10.2	8.3	8.3	8.3	6.0	5.9	5.9	4.7	4.6	4.6
28	10.4	9.8	10.1	8.3	8.2	8.3	5.9	5.8	5.9	4.6	4.5	4.5
29	10.9	10.3	10.7	8.3	8.2	8.2	5.8	5.8	5.8	4.6	4.4	4.5
30	10.6	10.0	10.3	8.2	8.0	8.1	5.8	5.7	5.7	4.5	4.4	4.4
31	10.0	9.8	9.9	---	---	---	5.7	5.6	5.7	4.4	4.4	4.4
MONTH	11.5	9.6	10.5	10.0	8.0	9.2	8.2	5.6	6.8	5.7	4.4	4.9

e Estimated

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.5	4.4	4.4	4.0	4.0	4.0	4.8	4.2	4.5	---	---	---
2	4.4	4.3	4.4	4.1	4.0	4.1	4.8	4.5	4.7	---	---	---
3	4.4	4.3	4.3	4.2	4.0	4.1	4.8	4.4	4.6	---	---	---
4	4.4	4.3	4.3	4.2	4.0	4.1	4.8	4.5	4.7	---	---	---
5	4.4	4.3	4.3	4.1	4.0	4.0	5.1	4.7	4.9	---	---	---
6	4.4	4.2	4.3	4.2	4.0	4.0	5.2	4.8	5.0	---	---	---
7	4.4	4.2	4.3	4.1	4.0	4.1	5.3	5.0	5.2	---	---	---
8	4.3	4.3	4.3	4.2	4.0	4.1	5.2	4.9	5.0	---	---	---
9	4.3	4.3	4.3	4.0	4.0	4.0	5.5	4.9	5.2	---	---	---
10	4.3	4.3	4.3	4.1	3.9	4.0	5.6	5.3	5.4	---	---	---
11	4.4	4.3	4.3	4.1	4.0	4.0	5.6	5.3	5.4	---	---	---
12	4.3	4.3	4.3	4.1	3.9	4.0	5.8	5.3	5.5	---	---	---
13	4.3	4.2	4.3	4.2	4.0	4.1	5.9	5.5	5.8	---	---	---
14	4.3	4.2	4.3	4.1	4.1	4.1	5.9	5.4	5.7	---	---	---
15	4.4	4.2	4.3	4.1	3.9	4.0	5.9	5.4	5.7	---	---	---
16	4.3	4.2	4.3	4.1	3.9	4.0	5.8	5.6	5.7	---	---	---
17	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.6	5.8	---	---	---
18	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.5	5.8	---	---	---
19	4.3	4.2	4.2	4.1	3.9	4.0	6.0	5.6	5.8	---	---	---
20	4.2	4.0	4.1	3.9	3.8	3.9	6.0	5.8	5.9	---	---	---
21	4.3	4.1	4.2	3.9	3.8	3.8	5.9	5.5	5.8	---	---	---
22	4.2	4.1	4.2	4.0	3.8	3.9	6.2	5.5	5.8	---	---	---
23	4.2	4.1	4.1	4.2	3.9	4.1	6.6	6.2	6.3	---	---	---
24	4.2	4.1	4.2	4.4	4.2	4.3	7.1	6.1	6.6	---	---	---
25	4.1	3.9	4.0	4.3	4.2	4.2	6.6	5.9	6.2	---	---	e9.3
26	4.0	3.9	4.0	4.7	4.2	4.5	6.6	5.8	6.2	10.7	9.3	10.0
27	4.1	3.9	4.0	4.7	4.4	4.6	6.1	5.8	5.9	10.6	9.8	10.1
28	4.0	4.0	4.0	4.7	4.5	4.6	6.1	5.8	5.9	10.4	9.7	10.0
29	4.1	3.9	4.0	4.7	4.5	4.7	7.1	5.9	6.6	11.6	10.0	10.6
30	---	---	---	4.7	4.4	4.5	7.6	6.9	7.2	10.7	10.4	10.6
31	---	---	---	4.5	4.3	4.4	---	---	---	11.7	10.2	10.9
MONTH	4.5	3.9	4.2	4.7	3.8	4.1	7.6	4.2	5.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.7	10.7	10.9	13.1	12.0	12.6	11.4	10.5	11.0	10.4	9.4	9.8
2	11.0	10.6	10.8	13.2	12.1	12.7	12.0	10.5	11.0	11.4	9.7	10.6
3	11.6	10.7	11.1	13.3	12.5	12.9	11.6	10.4	10.9	10.9	9.4	9.9
4	11.5	11.1	11.3	13.4	12.2	12.9	11.5	10.5	10.9	11.4	9.3	10.5
5	11.4	10.5	11.2	13.0	11.4	12.1	11.3	9.7	10.6	10.2	9.2	9.4
6	10.7	10.3	10.6	12.9	11.8	12.4	11.9	10.0	10.9	11.4	9.5	10.5
7	10.9	10.4	10.7	12.8	11.7	12.3	11.9	10.1	11.1	11.1	9.8	10.5
8	10.9	10.3	10.6	12.6	11.7	12.2	11.9	9.7	11.0	11.8	10.1	11.0
9	11.1	10.4	10.7	12.7	11.9	12.3	11.6	9.8	10.9	12.4	10.4	11.7
10	11.1	10.2	10.4	13.1	11.9	12.4	11.4	8.7	10.2	10.7	9.8	10.2
11	10.4	9.9	10.1	13.2	12.0	12.7	10.0	8.7	9.5	11.1	9.7	10.4
12	10.9	8.9	9.9	13.4	12.0	12.7	10.4	8.9	9.6	11.2	10.1	10.7
13	11.6	10.4	11.2	---	---	e13.3	10.2	8.6	9.6	12.5	11.2	11.8
14	10.9	9.2	10.1	---	---	---	10.2	9.0	9.6	12.8	11.2	12.1
15	13.3	9.9	11.8	---	---	---	10.3	8.7	9.7	12.6	11.0	12.0
16	13.3	10.4	11.8	---	---	---	9.8	8.7	9.4	12.4	11.0	11.8
17	11.2	9.8	10.4	---	---	---	9.9	8.5	9.4	12.6	11.0	11.8
18	11.7	10.8	11.4	---	---	---	9.9	8.9	9.4	12.5	11.1	11.9
19	12.2	11.5	11.9	---	---	---	10.1	8.6	9.6	13.2	11.2	12.3
20	12.5	11.6	12.1	---	---	e12.3	10.2	8.6	9.5	12.5	11.6	12.2
21	12.2	10.6	11.6	13.3	11.6	12.2	11.1	9.1	9.7	12.3	11.6	12.0
22	11.7	9.8	10.7	14.5	12.8	13.8	10.9	9.9	10.3	12.3	11.5	12.0
23	12.0	11.3	11.6	13.5	12.4	12.9	11.6	10.0	10.7	12.1	11.5	11.8
24	12.0	10.1	11.0	14.6	12.9	13.9	11.9	10.2	11.2	12.1	11.6	11.8
25	12.0	11.6	11.8	14.2	9.8	11.7	11.7	9.9	11.0	11.6	10.4	10.9
26	12.7	11.3	12.0	10.9	9.4	10.0	11.6	10.0	11.0	12.1	10.6	11.0
27	12.4	11.3	11.8	10.9	10.2	10.4	11.8	10.0	11.1	12.5	12.0	12.2
28	12.3	11.9	12.2	11.5	10.5	10.9	11.6	10.0	11.0	12.4	12.0	12.1
29	13.0	12.1	12.6	11.1	10.4	10.7	11.7	10.2	11.1	12.2	11.8	12.0
30	13.2	12.4	12.9	11.6	10.6	11.0	11.0	9.7	10.1	12.0	11.6	11.8
31	---	---	---	11.7	10.6	11.0	11.8	10.1	11.1	---	---	---
MONTH	13.3	8.9	11.2	---	---	---	12.0	8.5	10.4	13.2	9.2	11.3

e Estimated

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 October 1, 1946, nonrecording gages at site 15 mi downstream at different datums. December 13, 1946 to September 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 09234500) 93.1 mi upstream beginning November 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, 16,900 ft^3/s, Jun 1, gage height, 8.97 ft; minimum daily discharge, 1,180 ft^3/s, Sep 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	2760	2900	e2600	2860	2640	4040	9930	16200	2450	1400	1420
2	2180	2770	2880	e2500	2600	2670	3910	9420	15600	2330	1370	1470
3	2210	2770	2860	e2400	2450	2690	3610	9140	14800	2220	1410	1470
4	2250	2760	2810	e2400	2430	2690	3400	9560	13300	2110	1410	1480
5	2260	2750	2730	e2500	2400	2720	3430	10500	12300	2030	1390	1470
6	2250	2780	2680	e2400	2440	2750	3350	11100	11800	1950	1370	1450
7	2310	2770	2570	e2420	2470	2790	3340	11600	11000	1860	1340	1420
8	2310	2780	2580	e2490	2470	2840	4410	11900	10100	1800	1330	1400
9	2280	2790	2540	e2400	2490	2890	5020	11400	9470	1760	1320	1390
10	2300	2810	2590	e2400	2490	2970	4840	10500	8710	1740	1320	1360
11	2320	2790	2520	e2400	2600	3000	4740	9020	7960	1760	1310	1350
12	2280	2790	2600	e2440	2640	2950	5100	9420	6980	1730	1280	1330
13	2260	2800	2630	e2450	2690	2890	5420	10400	6090	1920	1300	1330
14	2450	2840	2590	2670	2650	2810	5520	8860	5210	1880	1290	1330
15	2690	2810	2540	2700	2670	2820	5800	7750	4760	1760	1280	1330
16	2670	2790	2660	2720	2700	2830	6160	7230	4450	1700	1290	1310
17	2720	2790	2650	2750	2680	2800	6390	7380	4150	1670	1280	1300
18	2770	2790	2660	2790	2620	2820	5950	8390	3960	1590	1280	1300
19	2740	2780	2670	2840	2610	2790	5400	9620	3700	1590	1300	1320
20	2730	2770	2710	2880	2580	2820	6200	9330	3450	1560	1300	1390
21	2730	2810	2730	2890	2520	2840	6120	8730	3310	1550	1280	1370
22	2720	2890	2710	2960	2550	2680	5750	8470	3910	1580	1280	1250
23	2730	2860	2680	2950	2600	2820	5730	8950	3760	1590	1260	1260
24	2770	2780	2660	2960	2600	2840	6200	10400	3430	1550	1280	1180
25	2850	2690	2650	3050	2650	2820	7330	12200	3180	1530	1320	1190
26	2780	2610	2760	3080	2640	2820	7990	14300	3010	1500	1320	2020
27	2750	2730	2730	3020	2610	3200	7090	14300	2890	1470	1360	2120
28	2740	2810	2720	2820	2590	3330	6710	15600	2800	1470	1390	2070
29	2760	2880	e2620	2840	2590	3490	7840	14800	2710	1440	1400	1920
30	2750	2910	e2600	2900	---	3730	9240	14400	2620	1440	1420	1670
31	2730	---	e2590	2840	---	3990	---	15500	---	1410	1410	---
TOTAL	78500	83660	82820	83460	74890	90740	166030	330100	205610	53940	41290	43670
MEAN	2532	2789	2672	2692	2582	2927	5534	10650	6854	1740	1332	1456
MAX	2850	2910	2900	3080	2860	3990	9240	15600	16200	2450	1420	2120
MIN	2180	2610	2520	2400	2400	2640	3340	7230	2620	1410	1260	1180
AC-FT	155700	165900	164300	165500	148500	180000	329300	654800	407800	107000	81900	86620

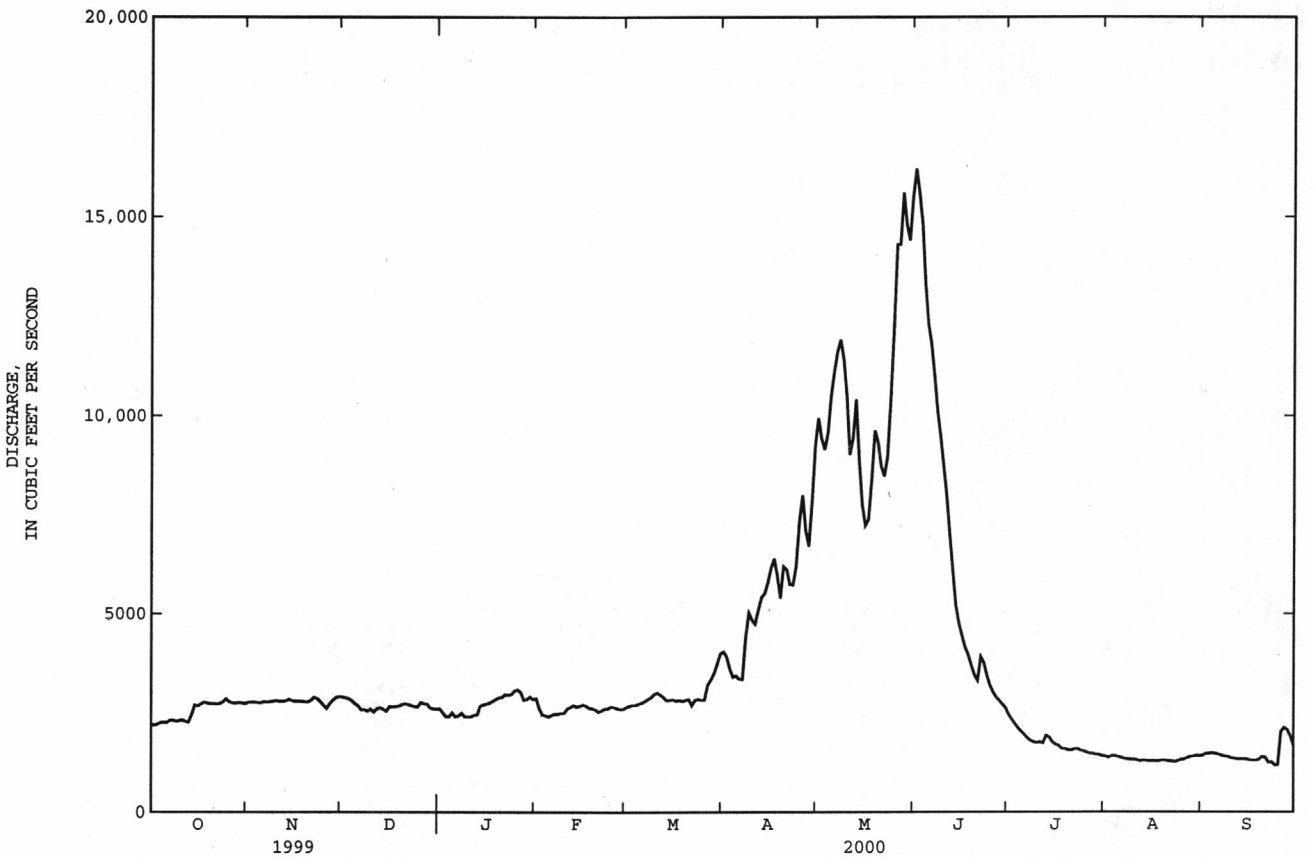
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2000, BY WATER YEAR (WY)

MEAN	2183	2267	2226	2171	2402	3109	5701	11470	11690	4778	2485	1952
MAX	5020	4833	4414	4844	4839	5765	15350	24110	26460	16110	6460	4159
(WY)	1983	1987	1987	1985	1986	1986	1962	1984	1957	1983	1983	1983
MIN	344	590	527	598	721	946	2036	4220	3129	504	453	503
(WY)	1964	1963	1963	1955	1955	1963	1963	1990	1992	1963	1963	1963

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1947 - 2000	
ANNUAL TOTAL	2027200		1334710			
ANNUAL MEAN	5554		3647		4373	
HIGHEST ANNUAL MEAN					7783	1984
LOWEST ANNUAL MEAN					1457	1963
HIGHEST DAILY MEAN	20600	Jun 2	16200	Jun 1	38500	May 18 1984
LOWEST DAILY MEAN	1500	Aug 30	1180	Sep 24	260	Aug 2 1963
ANNUAL SEVEN-DAY MINIMUM	2030	Aug 27	1280	Sep 19	296	Oct 9 1963
ANNUAL RUNOFF (AC-FT)	4021000		2647000		3168000	
10 PERCENT EXCEEDS	12500		8720		10700	
50 PERCENT EXCEEDS	3040		2720		2770	
90 PERCENT EXCEEDS	2350		1370		1100	

e Estimated



09261000 GREEN RIVER NEAR JENSEN, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1947 to September 1952, October 1961 to September 1996.
WATER TEMPERATURE: March 1949 to September 1959, October 1961 to September 1996, October 1998 to current year.
SUSPENDED-SEDIMENT DISCHARGE: May 1948 to September 1979.

INSTRUMENTATION.--Temperature data logger October 1, 1998 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. Sediment data for water years 1998 to 2000 was collected by Colorado District of U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,330 microsiemens, Sep 10, 1963; minimum daily, 176 microsiemens, May 24, 1963.
WATER TEMPERATURE: Maximum, 30.0°C, Jul 11, 1958; minimum, 0.0°C, on many days during winter period most years.
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 Sep 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.--
WATER TEMPERATURE: Maximum, 24.0°C, Jul 13; minimum, 0.1°C, Dec 15 and on several days in Jan.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	GAGE HEIGHT (FEET) (00065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
MAR											
02...	1310	2480	640	100	10.3	8.6	670	13.5	6.5	3.54	E1
08...	1120	--	--	--	--	--	685	--	--	--	1
APR											
12...	1300	5100	643	97	8.7	8.5	550	23.0	12.5	5.03	E2
JUL											
12...	1510	1750	--	--	--	8.6	580	38.0	22.0	2.86	E1
AUG											
31...	1630	1340	--	--	--	8.5	650	--	8.5	2.61	<2
SEP											
13...	1100	--	--	--	--	8.4	640	--	17.0	2.74	<2

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.1	10.2	11.7	9.3	6.6	7.8	5.5	3.9	4.6	2.8	1.0	1.8
2	13.3	10.4	11.8	8.4	6.5	7.4	5.4	4.1	4.7	2.6	1.3	2.0
3	13.0	9.6	11.3	8.0	5.5	6.6	4.6	3.3	4.0	2.1	.7	1.3
4	13.1	9.9	11.5	8.3	5.4	6.7	4.0	2.6	3.4	.9	.1	.3
5	13.2	9.8	11.4	8.6	5.9	7.1	3.5	1.6	2.4	1.8	.1	.7
6	13.1	10.4	11.8	8.8	6.1	7.3	3.5	1.8	2.5	1.4	.1	.7
7	13.7	11.4	12.6	8.4	6.1	7.2	4.2	2.4	3.1	.9	.1	.4
8	13.8	11.1	12.4	8.7	6.4	7.4	4.3	3.2	3.7	1.4	.1	.5
9	13.6	10.3	11.9	9.0	6.4	7.6	3.3	1.9	2.5	1.9	.1	.8
10	14.0	10.5	12.2	8.9	6.4	7.5	3.1	1.6	2.3	3.1	1.2	1.9
11	13.7	10.6	12.2	8.4	6.5	7.4	3.2	2.1	2.5	3.8	2.2	2.8
12	13.7	10.6	12.1	8.2	6.1	7.0	2.9	1.6	2.1	4.0	2.8	3.3
13	13.6	10.7	12.1	7.9	5.6	6.6	2.5	1.7	2.1	4.0	2.3	3.0
14	13.1	10.1	11.6	7.5	5.2	6.2	2.5	1.4	1.9	3.7	1.9	2.7
15	12.3	10.0	11.1	7.1	4.8	5.9	1.5	.1	.5	4.5	2.7	3.4
16	11.2	8.4	9.4	7.1	4.7	5.8	2.2	.6	1.2	4.5	3.4	3.9
17	8.4	6.2	7.3	7.5	4.9	6.0	3.5	1.7	2.4	5.0	4.1	4.5
18	8.8	5.9	7.2	7.6	6.1	6.7	4.2	2.7	3.3	4.8	4.4	4.5
19	9.8	7.3	8.4	6.7	5.0	5.8	3.7	2.8	3.3	5.4	4.5	4.9
20	10.1	7.0	8.4	6.1	4.2	5.1	3.2	2.1	2.7	5.1	3.7	4.3
21	10.4	7.3	8.7	6.0	4.9	5.5	2.8	2.1	2.5	4.5	3.4	4.0
22	10.6	7.5	8.9	5.8	4.7	5.2	3.0	1.8	2.3	4.6	3.4	3.9
23	10.5	7.5	8.9	4.7	3.3	4.1	2.7	1.5	2.0	3.4	2.0	2.6
24	10.4	7.4	8.8	3.5	1.8	2.6	2.9	1.1	1.8	3.3	1.8	2.5
25	10.2	7.2	8.6	4.2	2.3	3.1	2.6	1.0	1.7	3.6	2.8	3.2
26	10.0	7.2	8.5	5.3	3.0	3.9	2.6	.8	1.5	4.2	3.5	3.8
27	10.1	7.5	8.5	6.2	4.5	5.1	2.6	.9	1.6	4.1	2.8	3.4
28	9.5	7.4	8.5	6.1	4.6	5.2	2.7	1.0	1.7	2.8	1.2	2.0
29	9.7	8.1	8.9	5.8	4.2	4.9	2.6	.9	1.6	2.3	.4	1.3
30	8.8	7.0	7.9	5.2	3.9	4.6	2.5	.8	1.5	2.5	.1	1.2
31	8.8	6.0	7.3	---	---	---	2.4	.8	1.6	2.3	.1	1.2
MONTH	14.0	5.9	10.1	9.3	1.8	6.0	5.5	.1	2.4	5.4	.1	2.5

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	1.1	1.6	6.4	4.7	5.6	7.8	4.5	6.1	14.2	11.7	12.9
2	2.5	1.1	1.7	7.1	5.1	6.0	8.2	5.9	6.9	15.0	12.1	13.4
3	3.0	1.7	2.2	7.7	4.4	5.9	9.2	6.0	7.4	15.9	12.9	14.3
4	3.0	1.3	2.1	8.0	4.9	6.4	10.4	6.1	8.1	16.4	13.6	15.0
5	3.1	1.4	2.2	7.0	5.0	6.1	12.2	8.1	10.0	16.4	14.2	15.2
6	3.4	1.2	2.2	6.5	5.4	6.0	12.0	9.2	10.6	15.9	14.2	15.0
7	4.1	1.4	2.5	6.9	5.3	6.0	12.1	8.7	10.3	14.8	13.3	14.2
8	3.9	2.1	2.9	7.2	5.5	6.3	12.0	8.4	10.2	13.3	11.4	12.4
9	4.2	2.7	3.4	6.1	4.7	5.4	12.3	9.2	10.8	12.4	10.7	11.5
10	4.6	3.3	3.9	7.1	4.7	5.7	12.9	9.8	11.2	13.7	11.1	12.3
11	5.5	4.0	4.6	6.4	3.5	4.9	12.8	9.6	11.2	12.7	11.2	12.2
12	5.0	4.2	4.5	7.4	4.5	5.7	13.3	9.9	11.6	11.2	9.8	10.4
13	4.6	3.8	4.2	8.0	4.8	6.3	13.4	10.8	12.1	11.2	9.0	10.1
14	4.0	3.3	3.7	7.2	5.2	6.2	12.5	11.1	11.8	12.2	9.4	10.8
15	5.0	3.6	4.2	6.9	5.3	5.7	11.7	10.5	11.1	14.0	10.9	12.3
16	4.7	3.3	3.9	6.7	4.0	5.3	11.9	9.5	10.7	14.5	12.1	13.3
17	4.2	3.4	3.8	6.2	3.8	4.9	12.7	9.8	11.2	13.9	12.5	13.2
18	4.0	2.8	3.3	7.3	4.6	5.9	11.9	10.6	11.0	12.5	11.0	11.8
19	4.3	2.1	3.0	6.6	4.3	5.4	10.7	9.5	10.1	13.2	10.5	11.8
20	4.8	2.0	3.2	5.6	3.3	4.5	11.0	8.5	9.8	14.6	12.0	13.2
21	5.2	3.2	4.1	5.6	2.1	3.7	11.7	9.1	10.4	15.3	12.9	14.0
22	6.3	4.5	5.2	6.7	2.3	4.4	11.9	10.2	11.0	16.7	14.1	15.3
23	6.5	4.5	5.4	8.9	4.9	6.7	11.5	9.8	10.7	17.7	15.2	16.4
24	5.7	4.8	5.2	10.0	6.6	8.2	12.6	9.9	11.1	17.2	15.9	16.5
25	5.0	3.9	4.5	9.8	6.7	8.3	13.1	10.5	11.8	16.0	14.9	15.5
26	4.3	2.6	3.4	11.0	7.5	9.2	13.4	10.6	11.9	15.2	14.1	14.7
27	4.4	1.7	2.9	11.4	7.8	9.7	15.0	11.5	13.1	15.3	13.4	14.3
28	6.3	3.4	4.6	10.2	8.4	9.1	15.9	12.6	14.3	15.7	13.9	14.8
29	7.1	4.5	5.6	10.1	7.6	8.9	15.8	14.0	14.7	16.7	14.7	15.6
30	---	---	---	8.7	6.6	7.5	14.1	12.6	13.3	17.5	15.5	16.4
31	---	---	---	6.9	5.3	6.0	---	---	---	17.3	15.7	16.4
MONTH	7.1	1.1	3.6	11.4	2.1	6.3	15.9	4.5	10.8	17.7	9.0	13.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.1	15.2	15.7	22.9	20.1	21.5	23.2	20.3	22.0	19.6	17.5	18.1
2	16.8	14.8	15.8	23.2	20.1	21.6	22.7	19.9	21.5	18.8	16.2	17.6
3	17.3	15.3	16.2	22.1	20.1	21.2	22.6	20.0	21.5	18.5	15.9	17.6
4	17.6	15.4	16.5	21.6	19.3	20.5	23.4	20.5	22.1	18.3	16.0	17.3
5	18.6	16.0	17.2	21.3	18.4	20.0	23.2	20.3	21.9	18.1	15.8	17.1
6	18.6	16.4	17.5	21.3	18.5	20.1	22.8	19.9	21.5	18.4	16.3	17.2
7	18.6	16.3	17.5	21.4	18.4	20.2	22.4	19.5	21.3	18.2	14.8	16.7
8	18.4	16.8	17.6	21.5	19.0	20.2	22.6	19.2	21.2	18.1	16.0	17.0
9	17.6	16.1	17.0	21.7	19.3	20.7	22.3	19.5	21.2	17.9	15.4	16.8
10	17.4	15.4	16.3	22.6	19.3	21.0	22.2	20.1	21.4	17.8	15.0	16.6
11	18.6	15.7	17.0	23.2	20.2	21.9	23.1	19.8	21.6	17.7	15.3	16.7
12	18.3	16.3	17.2	22.8	19.8	21.6	22.7	19.6	21.5	18.4	15.3	17.2
13	18.7	16.0	17.2	24.0	20.2	22.2	23.0	19.9	21.6	18.5	15.8	17.5
14	19.3	15.7	17.4	23.7	20.9	22.6	22.7	19.9	21.4	18.9	16.0	17.8
15	20.0	17.1	18.5	23.7	21.3	22.5	23.3	19.6	21.5	19.1	16.3	18.0
16	19.1	17.2	17.9	23.3	20.9	22.2	22.4	19.8	21.1	19.1	16.3	18.0
17	18.4	15.4	16.9	23.3	20.4	22.0	20.6	19.1	19.7	18.8	16.3	17.3
18	18.2	15.9	17.1	23.2	20.2	21.9	20.8	17.7	19.2	18.3	15.9	17.3
19	17.6	16.8	17.1	23.1	19.9	21.7	21.1	17.9	19.7	18.0	15.6	17.0
20	18.7	15.6	17.1	22.5	19.8	21.4	21.0	18.1	19.8	17.4	14.7	15.9
21	19.8	16.0	17.7	22.4	19.4	21.1	21.2	17.9	19.7	16.0	13.6	14.1
22	20.7	17.8	19.1	22.9	19.5	21.4	20.6	18.3	19.2	14.7	12.4	13.7
23	21.4	18.6	20.0	22.9	20.4	21.9	20.3	17.3	18.9	12.4	8.6	10.2
24	22.0	19.5	20.6	22.1	20.2	21.0	20.6	17.5	19.4	9.9	8.0	8.7
25	20.6	19.3	20.0	21.6	18.9	20.3	21.7	18.7	20.2	10.2	7.1	8.7
26	19.6	18.3	18.9	22.3	18.9	20.8	21.6	19.2	20.6	11.5	8.5	9.9
27	20.7	17.5	18.9	23.0	19.8	21.7	21.7	19.2	20.6	12.8	10.0	11.2
28	21.1	17.7	19.4	23.1	20.2	22.0	21.0	18.8	20.1	13.5	10.9	12.0
29	22.3	19.0	20.6	22.6	19.7	21.5	21.1	18.6	20.0	14.5	12.3	13.1
30	22.7	19.7	21.1	22.6	19.7	21.5	20.7	18.6	19.5	15.4	13.1	14.3
31	---	---	---	22.9	19.9	21.7	19.7	17.5	18.8	---	---	---
MONTH	22.7	14.8	17.9	24.0	18.4	21.4	23.4	17.3	20.6	19.6	7.1	15.4

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)
APR								
06...	1100	3360	9.2	735	81	--	--	--
20...	1030	6270	8.6	15700	925	28	40	47
MAY								
03...	1725	8910	15.8	15700	654	24	32	37
JUN								
02...	0930	16000	15.4	22900	531	7	16	20
JUL								
05...	1055	2160	18.6	321	55	--	--	--

DATE	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	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							
06...	--	--	85	91	100	--	--
20...	53	58	62	72	94	100	--
MAY							
03...	46	55	56	66	80	100	--
JUN							
02...	31	37	45	62	78	95	100
JUL							
05...	--	--	58	64	81	100	--

PARTICLE-SIZE DISTRIBUTION OF BEDLOAD MATERIAL, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT DIS-CHARGE, BEDLOAD (TONS/ DAY) (80225)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .062 MM (80226)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .125 MM (80227)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .250 MM (80228)	SED. BEDLOAD SIEVE DIAM. % FINER THAN .500 MM (80229)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 1.00 MM (80230)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 2.00 MM (80231)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 4.00 MM (80232)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 8.00 MM (80233)
APR												
06...	1100	3360	9.2	36	.00	.00	10	87	98	100	100	--
20...	1030	6270	8.6	216	.00	2	38	98	100	100	--	--
MAY												
03...	1725	8910	15.8	3000	.00	1	9	82	99	100	100	--
JUN												
02...	0930	16000	15.4	3570	.00	.00	4	28	76	95	99	100
JUL												
05...	1055	2160	18.6	79	--	.00	7	52	89	99	100	100

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

LOCATION.--Lat 40°35'20", long 109°27'53", in $NW^1/_4SE^1/_4NE^1/_4$ 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.--77.2 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, 384 ft^3/s, May 22, 1998, gage height, 2.09 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, 247 ft^3/s, May 5, 6, gage height, 1.74 ft; minimum daily discharge, 12 ft^3/s, on several days in Mar and Sep.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	19	e16	15	14	14	14	191	95	46	25	14
2	24	19	e16	15	14	13	14	210	84	45	25	15
3	23	19	e16	15	13	13	14	226	77	44	24	15
4	23	19	e16	15	14	13	14	236	70	43	24	15
5	23	19	e16	15	13	13	15	243	65	43	23	15
6	22	19	e16	15	13	13	16	240	57	42	23	15
7	22	19	e16	15	14	13	17	236	51	41	22	15
8	22	19	e16	14	14	13	17	230	50	40	22	14
9	22	19	e16	14	14	14	18	223	48	39	21	14
10	22	18	e16	14	14	13	20	215	46	39	21	14
11	22	19	e16	14	14	13	22	219	45	38	20	14
12	22	18	e16	14	14	13	26	229	42	37	20	14
13	22	18	e16	14	14	13	34	222	39	36	19	14
14	22	18	e15	14	14	13	44	209	37	36	18	13
15	23	18	e16	14	14	13	51	199	34	36	18	13
16	22	18	e16	14	13	13	49	198	34	35	17	13
17	22	17	16	14	13	12	50	195	34	35	17	13
18	22	18	16	15	14	12	61	183	34	34	17	13
19	22	17	16	14	14	12	60	164	34	34	17	12
20	21	17	16	15	13	13	52	153	35	33	16	12
21	21	18	16	14	13	12	55	152	34	32	16	12
22	22	18	16	14	14	13	63	155	32	31	16	13
23	21	17	16	14	14	14	68	161	31	31	16	14
24	21	17	16	14	14	13	65	165	31	30	16	15
25	20	17	16	14	14	13	60	169	31	29	15	15
26	20	18	16	14	13	13	73	194	31	29	15	15
27	20	17	15	14	13	13	116	195	32	28	15	17
28	20	e16	15	14	13	15	178	165	47	28	15	16
29	21	e16	15	14	13	14	210	144	47	27	14	15
30	20	e16	15	14	---	14	203	127	46	27	14	14
31	20	---	15	14	---	14	---	109	---	26	14	---
TOTAL	674	537	490	443	395	407	1699	5957	1373	1094	575	423
MEAN	21.7	17.9	15.8	14.3	13.6	13.1	56.6	192	45.8	35.3	18.5	14.1
MAX	25	19	16	15	14	15	210	243	95	46	25	17
MIN	20	16	15	14	13	12	14	109	31	26	14	12
AC-FT	1340	1070	972	879	783	807	3370	11820	2720	2170	1140	839

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

MEAN	22.1	18.4	16.0	14.9	14.3	15.5	45.6	154	121	46.8	33.7	24.6
MAX	38.2	29.3	25.4	22.4	21.4	24.5	88.9	296	314	126	51.2	35.1
(WY)	1987	1987	1984	1984	1987	1986	1985	1998	1983	1983	1983	1997
MIN	13.5	12.4	10.2	10.1	10.6	10.8	17.7	50.8	26.8	25.9	18.5	14.1
(WY)	1990	1991	1993	1993	1993	1982	1982	1989	1989	1989	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	17249		14067			
ANNUAL MEAN	47.3		38.4		44.0	
HIGHEST ANNUAL MEAN					69.6	1998
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	317	May 28	243	May 5	375	May 22 1998
LOWEST DAILY MEAN	13	Feb 16	12	Mar 17	7.6	Feb 10 1992
ANNUAL SEVEN-DAY MINIMUM	13	Mar 5	12	Mar 15	8.8	Feb 7 1992
ANNUAL RUNOFF (AC-FT)	34210		27900		31890	
10 PERCENT EXCEEDS	94		87		101	
50 PERCENT EXCEEDS	22		17		22	
90 PERCENT EXCEEDS	14		13		12	

e Estimated

09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in NE$^1/_4$NW$^1/_4$NE$^1/_4$ 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 November 14, 1917, nonrecording and water-stage recorder at several sites within 1.5 mi of present site at various datums. November 14, 1917 to July 30, 1968, water-stage recorder at site 75 ft downstream at various datums.

REMARKS.-- Records good. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline, capacity, approximately 11 ft^3/s diverts water from tributary spring about 1,000 ft above station (diversion began August 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, Jun 15, 1995, gage height, 5.64 ft, from highwater mark; maximum gage height, 6.09 ft, Jun 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 5	2000	*1,340	*4.19	No other peak greater than base discharge.			

Minimum daily discharge, 14 ft^3/s, Apr 1, 2, 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	28	23	20	17	17	14	266	214	115	63	25
2	41	28	23	20	17	17	14	375	196	112	61	34
3	40	27	23	20	17	17	15	533	184	106	62	37
4	37	25	23	19	16	17	14	758	170	103	62	32
5	37	26	22	20	17	17	15	946	163	94	59	28
6	35	26	21	19	18	17	16	882	152	88	58	24
7	35	25	21	19	17	18	18	811	144	85	56	22
8	33	24	22	19	17	17	18	537	137	82	59	21
9	32	26	21	20	17	17	18	407	136	82	59	21
10	39	25	21	20	17	17	20	451	129	78	65	22
11	40	26	21	20	17	17	21	422	120	80	69	21
12	46	24	21	20	17	16	20	298	114	75	63	21
13	61	24	21	20	17	16	20	263	122	71	54	25
14	57	23	22	19	17	16	24	267	128	68	55	26
15	57	22	21	17	18	17	29	313	127	67	54	25
16	58	23	21	18	17	16	30	364	131	66	50	24
17	53	23	20	19	18	16	29	332	134	73	51	22
18	47	25	21	19	17	16	32	270	130	68	49	23
19	46	23	21	19	16	16	35	255	139	64	54	23
20	43	22	20	18	17	15	32	270	138	63	50	23
21	34	22	20	18	17	16	33	318	125	63	26	24
22	30	23	20	17	17	16	38	360	139	60	22	29
23	30	24	20	18	17	15	43	421	142	58	21	45
24	29	23	20	18	17	15	45	438	141	58	24	42
25	28	23	20	18	17	15	43	445	142	62	25	38
26	29	24	20	18	17	15	49	548	140	71	23	40
27	28	24	20	19	17	15	74	352	147	68	23	38
28	28	24	20	18	17	16	137	315	124	67	21	36
29	28	23	20	18	17	16	205	319	113	67	21	34
30	27	24	20	17	---	16	218	285	116	68	21	33
31	26	---	19	17	---	16	---	243	---	65	23	---
TOTAL	1197	729	648	581	494	503	1319	13064	4237	2347	1403	858
MEAN	38.6	24.3	20.9	18.7	17.0	16.2	44.0	421	141	75.7	45.3	28.6
MAX	61	28	23	20	18	18	218	946	214	115	69	45
MIN	26	22	19	17	16	15	14	243	113	58	21	21
AC-FT	2370	1450	1290	1150	980	998	2620	25910	8400	4660	2780	1700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	53.7	38.5	28.8	24.1	21.3	20.3	48.8	344	327	127	83.4	67.4
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	35549		27380			
ANNUAL MEAN	97.4		74.8		99.0	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	1250	May 25	946	May 5	2530	Jun 15 1995
LOWEST DAILY MEAN	13	Apr 11	14	Apr 1	3.5	Jan 3 1977
ANNUAL SEVEN-DAY MINIMUM	14	Apr 10	15	Mar 30	3.8	Dec 31 1976
ANNUAL RUNOFF (AC-FT)	70510		54310		71730	
10 PERCENT EXCEEDS	219		174		230	
50 PERCENT EXCEEDS	26		25		43	
90 PERCENT EXCEEDS	18		17		15	

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 4 ft Parshall flume control. Elevation of gage is 9,500 ft above sea level, from topographic map.

REMARKS.--Records good. 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, Jul 19, 1995; no flow for extended periods each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	---	---	---	---	---	---	---	32	.38	18	11
2	9.2	---	---	---	---	---	---	---	32	.25	5.3	12
3	9.1	---	---	---	---	---	---	---	31	.15	1.1	12
4	9.0	---	---	---	---	---	---	---	30	5.0	.59	11
5	9.0	---	---	---	---	---	---	---	28	20	.07	11
6	8.9	---	---	---	---	---	---	---	28	23	.00	10
7	---	---	---	---	---	---	---	---	27	23	.00	9.8
8	---	---	---	---	---	---	---	---	27	23	.00	9.1
9	---	---	---	---	---	---	---	---	25	22	.00	9.3
10	---	---	---	---	---	---	---	---	23	22	.00	9.2
11	---	---	---	---	---	---	---	---	23	21	.00	7.2
12	---	---	---	---	---	---	---	---	23	14	.00	2.1
13	---	---	---	---	---	---	---	---	22	1.3	.00	1.2
14	---	---	---	---	---	---	---	---	21	.71	.00	.77
15	---	---	---	---	---	---	---	---	21	.25	.77	.43
16	---	---	---	---	---	---	---	---	20	.03	13	.06
17	---	---	---	---	---	---	---	---	19	.00	15	.00
18	---	---	---	---	---	---	---	---	18	.00	14	.00
19	---	---	---	---	---	---	---	---	18	.00	14	.00
20	---	---	---	---	---	---	---	---	19	.00	13	.00
21	---	---	---	---	---	---	---	---	18	.00	10	.00
22	---	---	---	---	---	---	---	---	17	.00	12	1.3
23	---	---	---	---	---	---	---	---	16	.00	13	1.3
24	---	---	---	---	---	---	---	---	15	.00	11	1.2
25	---	---	---	---	---	---	---	---	15	.00	7.3	.90
26	---	---	---	---	---	---	---	---	11	2.8	8.8	.81
27	---	---	---	---	---	---	---	---	1.1	26	8.4	.72
28	---	---	---	---	---	---	---	---	.83	24	7.4	.64
29	---	---	---	---	---	---	---	---	.71	23	7.4	.60
30	---	---	---	---	---	---	---	---	.50	23	9.4	.60
31	---	---	---	---	---	---	---	32	---	22	10	---
TOTAL	---	---	---	---	---	---	---	---	582.14	296.87	199.53	124.23
MEAN	---	---	---	---	---	---	---	---	19.4	9.58	6.44	4.14
MAX	---	---	---	---	---	---	---	---	32	26	18	12
MIN	---	---	---	---	---	---	---	---	.50	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	---	1150	589	396	246

09271400 ASHLEY CREEK NEAR NAPLES, UT

LOCATION.--Lat 40°26'01", long 109°27'56", in $NE^1/_4NW^1/_4NE^1/_4$ sec. 32, T. 4 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on left bank east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1999 to September 30, 2000.

GAGE.--Water-stage recorder. Elevation of gage is 5,010 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, 1,140 ft^3/s, May 6, 2000, gage height, 9.89 ft, from rating curve extended above 90 ft^3/s and in relation to downstream station 09271550; minimum daily discharge, 1.8 ft^3/s, Sep 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft^3/s, May 6, gage height, 9.89 ft; minimum daily discharge, 1.8 ft^3/s, Sep 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR NOVEMBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	e12	e13	e14	e12	7.5	9.1	19	6.7	4.0	e4.0
2	---	---	e13	e14	e13	e11	7.3	11	15	5.1	4.1	e3.7
3	---	---	e15	e12	e13	e10	7.2	41	10	5.5	3.7	e3.7
4	---	---	e13	e13	e11	e10	6.7	235	11	5.0	3.5	e2.9
5	---	---	e12	e13	e12	e10	6.3	551	12	3.8	2.9	e2.6
6	---	---	e13	e13	e13	e10	5.9	569	9.5	2.9	2.7	2.5
7	---	---	e14	e14	e13	e11	5.8	406	6.4	2.9	2.7	2.0
8	---	---	e12	e12	e13	e11	5.8	216	6.3	3.2	2.4	2.3
9	---	---	e14	e13	9.8	12	5.6	51	6.7	4.0	2.6	3.2
10	---	---	e15	e13	10	e13	5.3	18	e5.0	4.5	2.6	3.5
11	---	---	e15	e13	14	e11	5.4	18	e4.5	5.8	3.1	3.3
12	---	---	e13	e11	15	11	5.6	13	e4.0	5.5	2.9	2.8
13	---	---	e12	e11	14	e11	8.0	13	e3.6	3.4	3.7	3.0
14	---	---	e11	e11	13	e11	8.0	12	3.2	3.7	3.8	1.9
15	---	---	e10	e11	13	e11	9.4	15	3.9	5.8	4.1	2.0
16	---	---	e10	e10	12	e11	13	26	3.5	5.9	3.9	1.8
17	---	---	e11	e12	12	e11	12	39	4.3	4.9	4.1	e1.9
18	---	---	e13	e11	13	10	10	76	4.2	4.0	4.6	e2.3
19	---	---	e14	e13	e13	9.8	11	46	4.7	2.6	4.9	3.0
20	---	---	e14	e13	e12	11	8.1	14	4.6	3.2	4.3	2.7
21	---	---	e14	e12	11	11	7.3	17	4.8	2.9	3.2	2.7
22	---	---	e13	e13	15	11	6.9	63	4.8	3.5	3.6	3.4
23	---	e12	e13	e12	e15	10	8.7	196	4.7	4.3	3.9	5.4
24	---	e11	e13	e12	15	9.2	15	314	4.8	3.8	3.4	5.2
25	---	e11	e12	e13	e17	7.1	12	334	5.7	4.3	3.0	7.0
26	---	e11	e13	e15	e14	7.1	9.2	450	6.2	4.0	3.0	2.9
27	---	e13	e12	e13	e13	7.1	10	226	6.3	3.5	3.1	2.7
28	---	e12	e12	e11	11	8.5	8.9	163	5.6	4.0	3.0	2.8
29	---	e12	e12	e11	e11	9.1	10	165	4.9	3.9	3.3	2.8
30	---	e12	e12	e14	---	7.9	9.7	135	5.4	5.1	e4.2	2.9
31	---	---	e12	e15	---	7.5	---	77	---	4.5	e5.0	---
TOTAL	---	---	394	387	374.8	313.3	251.6	4519.1	194.6	132.2	109.3	92.9
MEAN	---	---	12.7	12.5	12.9	10.1	8.39	146	6.49	4.26	3.53	3.10
MAX	---	---	15	15	17	13	15	569	19	6.7	5.0	7.0
MIN	---	---	10	10	9.8	7.1	5.3	9.1	3.2	2.6	2.4	1.8
AC-FT	---	---	781	768	743	621	499	8960	386	262	217	184

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 18, 2000 to September 30, 2000.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 18, 2000 to September 30, 2000.
WATER TEMPERATURE: March 18, 2000 to September 30, 2000.

INSTRUMENTATION.--Water-quality monitor since March 18, 2000.

REMARKS.--Specific conductance and temperature records are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,170 microsiemens, Sep 8, 2000; minimum recorded, 123 microsiemens, May 7, 2000.
WATER TEMPERATURE: Maximum recorded, 30.7°C, Jul 22, 2000; minimum recorded, 0.2°C, Mar 21, 2000.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,170 microsiemens, Sep 8; minimum recorded, 123 microsiemens, May 7.
WATER TEMPERATURE: Maximum recorded, 30.7°C, Jul 22; minimum recorded, 0.2°C, Mar 21.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	1520	1490	1510	1510	1370	1430
2	---	---	---	---	---	---	---	---	e1510	1540	1300	1440
3	---	---	---	---	---	---	1530	1500	1520	1320	535	819
4	---	---	---	---	---	---	1540	1510	1530	767	219	296
5	---	---	---	---	---	---	1550	1520	1540	219	137	168
6	---	---	---	---	---	---	1620	1530	1560	184	129	151
7	---	---	---	---	---	---	1650	1590	1620	176	123	149
8	---	---	---	---	---	---	1630	1580	1610	611	169	350
9	---	---	---	---	---	---	1680	1540	1610	1010	466	747
10	---	---	---	---	---	---	1620	1530	1560	1200	845	1060
11	---	---	---	---	---	---	1630	1450	1560	1200	819	986
12	---	---	---	---	---	---	1580	1500	1550	1160	1010	1100
13	---	---	---	---	---	---	1600	1100	1520	1210	1020	1130
14	---	---	---	---	---	---	1510	1100	1340	1400	1210	1310
15	---	---	---	---	---	---	1620	1440	1510	1430	1080	1270
16	---	---	---	---	---	---	1580	1230	1370	1330	764	1090
17	---	---	---	---	---	---	1430	1210	1290	1260	633	971
18	---	---	---	1480	1460	1470	1380	1310	1340	633	535	574
19	---	---	---	1490	1470	1480	1320	1230	1280	926	614	687
20	---	---	---	1480	1420	1450	1400	1280	1340	1190	926	1060
21	---	---	---	1470	1420	1440	1400	1340	1370	1260	977	1100
22	---	---	---	1470	1420	1450	1440	1340	1390	1290	523	937
23	---	---	---	1460	1430	1440	1450	1380	1420	582	251	318
24	---	---	---	1460	1420	1440	1420	1280	1340	298	185	216
25	---	---	---	1570	1450	1540	1380	1320	1350	252	178	210
26	---	---	---	1580	1530	1560	1410	1280	1340	205	150	172
27	---	---	---	1550	1520	1540	1350	1230	1300	282	191	220
28	---	---	---	1550	1500	1530	1350	1250	1290	321	256	280
29	---	---	---	1540	1460	1510	1290	1160	1230	321	242	274
30	---	---	---	1540	1490	1520	1540	1230	1460	384	263	302
31	---	---	---	1530	1490	1520	---	---	---	579	375	427
MONTH	---	---	---	---	---	---	---	---	1440	1540	123	685

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	929	579	730	1180	967	1080	1560	1410	1460	---	---	e1690
2	1100	757	954	1250	1140	1200	1580	1420	1480	---	---	e1730
3	1160	937	1090	1320	1160	1260	1480	1330	1400	---	---	e1710
4	1190	1090	1120	1290	1160	1250	1450	1280	1370	---	---	e1670
5	1260	1160	1200	1340	1230	1270	1400	1300	1340	---	---	e1640
6	1230	1190	1210	1410	1290	1360	1430	1320	1380	1650	1460	1500
7	1300	1200	1220	1420	1310	1370	1430	1290	1370	2130	1470	1620
8	1360	1240	1300	1410	1340	1370	1580	1370	1450	2170	1500	1690
9	1310	1200	1260	1450	1350	1410	1500	1390	1430	1550	1490	1520
10	---	---	e1140	1610	1360	1430	1530	1420	1470	1500	1420	1460
11	---	---	---	1640	1210	1430	1450	1320	1400	1460	1390	1430
12	---	---	---	1430	1340	1390	1440	1310	1390	1670	1430	1460
13	---	---	e1360	1520	1330	1440	1800	1380	1570	1770	1480	1610
14	1330	1240	1280	1520	1110	1370	1500	1340	1430	1870	1620	1700
15	1270	1160	1210	1400	1220	1350	1470	1340	1390	1910	1610	1730
16	1320	1190	1240	1400	1210	1290	1480	1400	1440	1770	1700	1730
17	1340	1240	1290	1290	1220	1250	1470	1380	1430	---	---	e1940
18	1350	1300	1320	1310	1220	1260	1430	1380	1400	---	---	e1820
19	1310	1170	1240	1490	1310	1430	1440	1390	1420	1560	1480	1530
20	1310	1230	1270	1500	1360	1440	1420	1320	1380	1560	1450	1500
21	1300	1200	1260	1510	1440	1480	1410	1300	1360	1510	1430	1460
22	1440	1210	1290	1500	1300	1430	1400	1350	1370	1640	1510	1590
23	1430	1260	1320	1450	1220	1350	1370	1270	1320	1630	1320	1440
24	1310	1190	1240	1420	1300	1380	1390	1320	1350	1360	1320	1340
25	1300	1160	1210	1440	1360	1410	1430	1360	1410	1500	1320	1410
26	1350	1260	1300	1440	1370	1410	1450	1400	1430	1590	1400	1500
27	1380	1240	1310	---	---	e1690	1460	1360	1430	1600	1480	1550
28	1380	1220	1300	1940	1430	1650	1470	1420	1450	1590	1450	1490
29	1460	1300	1370	1880	1600	1760	1480	1440	1460	1620	1540	1580
30	1340	1130	1230	1600	1350	1460	---	---	e1610	1550	1500	1520
31	---	---	---	1490	1360	1410	---	---	e1710	---	---	---
MONTH	---	---	---	---	---	1390	---	---	1430	---	---	1590

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	14.6	2.1	7.7	23.6	8.3	15.2
2	---	---	---	---	---	---	---	---	e8.2	22.8	9.4	15.8
3	---	---	---	---	---	---	15.7	4.0	9.0	22.5	10.4	16.3
4	---	---	---	---	---	---	17.8	4.2	10.4	19.7	7.5	13.3
5	---	---	---	---	---	---	17.8	6.2	11.6	15.2	6.1	10.2
6	---	---	---	---	---	---	17.2	6.0	11.3	13.8	6.6	9.9
7	---	---	---	---	---	---	18.0	6.4	11.6	12.4	8.0	9.8
8	---	---	---	---	---	---	18.4	5.4	11.6	11.4	7.0	8.8
9	---	---	---	---	---	---	18.0	6.5	11.8	18.6	7.0	12.4
10	---	---	---	---	---	---	15.7	6.8	11.3	21.2	12.1	15.6
11	---	---	---	---	---	---	19.5	6.3	12.4	15.4	9.1	11.7
12	---	---	---	---	---	---	19.9	6.9	13.0	15.5	6.8	11.0
13	---	---	---	---	---	---	18.9	7.5	12.7	17.4	6.5	11.7
14	---	---	---	---	---	---	15.6	9.7	12.2	20.2	8.1	13.9
15	---	---	---	---	---	---	14.9	8.3	11.2	20.6	9.7	14.7
16	---	---	---	---	---	---	17.6	7.0	11.8	17.7	9.6	13.8
17	---	---	---	---	---	---	19.1	8.5	13.4	16.0	10.1	13.3
18	---	---	---	12.2	2.9	6.6	12.8	8.1	10.3	14.4	9.9	11.9
19	---	---	---	8.3	2.2	5.4	13.8	6.9	9.8	19.2	8.7	13.5
20	---	---	---	6.4	.8	3.6	19.5	6.8	12.6	21.8	11.6	16.1
21	---	---	---	10.5	.2	4.6	15.8	8.1	12.1	20.7	11.9	16.1
22	---	---	---	12.9	1.7	6.8	15.8	9.0	11.9	22.5	12.0	17.2
23	---	---	---	15.0	4.3	8.9	16.4	7.6	12.2	20.7	10.9	16.0
24	---	---	---	14.4	4.4	8.8	19.4	9.1	13.3	16.8	11.4	13.6
25	---	---	---	14.4	3.6	8.6	20.7	7.5	13.5	15.4	10.0	12.5
26	---	---	---	17.1	5.4	10.3	21.7	8.6	14.6	14.8	9.7	12.0
27	---	---	---	16.9	4.7	10.4	23.0	9.9	16.0	19.1	8.8	13.6
28	---	---	---	10.1	6.9	8.6	21.9	10.7	16.1	21.0	10.7	15.7
29	---	---	---	15.1	4.6	9.1	20.1	11.0	15.0	22.2	12.1	17.0
30	---	---	---	8.3	4.5	6.5	21.3	7.3	13.4	21.9	12.0	17.0
31	---	---	---	10.6	2.3	5.7	---	---	---	21.8	12.4	16.8
MONTH	---	---	---	---	---	---	---	---	12.1	23.6	6.1	13.8

e Estimated

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.2	11.1	16.9	27.8	17.9	22.3	28.2	17.5	22.8	---	---	e17.9
2	24.8	13.0	18.8	28.1	16.5	21.8	28.0	17.6	22.1	---	---	e18.4
3	25.6	13.4	19.1	26.7	15.3	20.7	28.4	18.7	22.9	---	---	e17.3
4	26.5	13.6	19.8	26.5	13.8	19.9	28.5	19.4	23.6	---	---	e17.3
5	26.5	14.8	20.4	26.2	13.4	19.8	28.1	19.1	23.3	---	---	e17.5
6	26.0	14.4	20.2	26.6	13.7	20.1	27.8	17.4	22.5	20.4	14.9	17.7
7	27.0	14.6	20.6	25.9	14.3	20.3	28.0	18.2	22.6	22.1	11.7	17.0
8	22.8	15.2	19.2	25.5	16.3	20.4	28.7	17.4	22.1	21.9	14.9	17.8
9	19.7	14.8	17.1	25.8	16.8	20.9	28.7	18.2	22.7	21.5	13.1	16.4
10	---	---	e14.5	26.6	15.4	21.0	26.2	20.2	23.1	21.3	13.0	16.6
11	---	---	---	28.4	16.2	22.0	28.3	18.5	23.0	20.8	13.4	16.4
12	---	---	---	28.7	15.9	22.2	28.6	18.7	23.1	23.0	13.7	17.6
13	---	---	e19.5	30.4	17.1	23.5	28.8	18.8	23.5	22.4	13.9	17.7
14	25.9	13.4	19.5	28.8	17.8	23.3	27.0	18.6	22.4	23.9	13.6	18.4
15	24.8	14.9	19.6	28.0	19.4	23.2	29.0	18.4	22.9	23.5	13.3	18.2
16	21.3	12.5	16.6	27.6	19.2	23.1	25.5	18.8	21.9	23.4	13.4	18.1
17	25.1	11.5	17.9	28.7	19.0	23.0	22.2	18.4	20.4	---	---	e16.8
18	24.3	12.1	17.2	28.3	17.4	22.6	25.8	16.4	20.6	---	---	e17.3
19	20.7	14.7	17.2	29.1	17.2	23.0	27.2	17.4	21.6	21.0	13.5	16.9
20	25.3	12.3	18.5	30.1	17.1	23.3	26.6	17.2	21.7	20.1	12.5	15.8
21	27.0	12.1	19.4	29.4	16.7	22.7	27.0	16.9	21.7	14.5	10.9	12.7
22	25.4	13.5	19.5	30.7	16.4	23.0	22.2	17.9	19.9	16.7	10.7	13.6
23	26.1	13.9	20.2	28.1	17.1	22.7	23.6	15.7	19.8	10.7	7.1	8.7
24	27.9	15.3	21.1	24.8	17.2	20.5	25.8	17.3	21.3	13.0	7.1	9.3
25	24.0	16.9	19.9	26.1	15.4	20.4	26.6	19.5	22.5	15.7	6.5	10.5
26	22.5	14.6	18.0	28.7	16.9	22.6	25.1	18.2	21.5	17.4	7.8	12.2
27	26.8	14.4	20.3	---	---	e23.0	26.3	18.0	21.9	18.1	8.9	13.2
28	28.3	15.0	21.3	29.0	17.8	23.2	24.4	17.7	21.1	17.5	10.0	13.7
29	26.8	16.0	21.3	29.2	17.3	23.0	25.1	17.0	20.8	18.0	11.6	14.5
30	27.8	15.2	21.4	29.1	17.0	22.8	---	---	e20.9	19.4	11.7	15.2
31	---	---	---	29.0	17.2	23.0	---	---	e20.0	---	---	---
MONTH	---	---	---	---	---	22.0	---	---	21.9	---	---	15.7

e Estimated

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT

LOCATION.--Lat 40°23'53", long 109°25'44", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 10, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank about 50 ft below county road bridge, east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1999 to September 30, 2000.

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above sea level from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 900 ft^3/s, May 25, 2000; minimum daily discharge, 0.09 ft^3/s, Jul 7, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 900 ft^3/s, May 25; minimum discharge, 0.09 ft^3/s, Jul 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR NOVEMBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	e25	e21	e18	e23	e33	e4.5	e50	.29	.38	2.5
2	---	---	e21	e22	e20	e23	e31	e9.0	e20	.25	.31	2.5
3	---	---	e22	e22	e21	e22	e30	e361	7.0	.23	.27	2.0
4	---	---	e24	e23	e21	e21	e32	e560	4.0	.24	.28	2.0
5	---	---	e24	e23	e21	e21	e6.4	e640	5.9	.25	.18	2.0
6	---	---	e21	e20	e15	e19	e6.0	e720	3.8	.16	.17	2.0
7	---	---	e25	e21	e17	e22	e5.9	e600	2.2	.09	.18	2.1
8	---	---	e25	e21	e21	e21	e5.8	e520	2.9	.10	.22	2.6
9	---	---	e23	e21	e24	e24	e5.6	e452	2.0	.11	.68	2.9
10	---	---	e21	e21	e25	e25	e5.4	e110	1.9	.15	.74	2.7
11	---	---	e18	e22	e28	e21	e8.2	e88	1.7	.19	1.2	2.9
12	---	---	e17	e23	e40	e22	e5.4	e70	1.8	.23	1.0	2.6
13	---	---	e17	e22	e35	e21	e8.8	e52	.59	.19	1.0	2.8
14	---	---	e19	e20	e30	e19	e10	e76	.42	.19	.95	2.7
15	---	---	e24	e20	e30	e21	e12	e92	.53	.22	.78	2.8
16	---	---	e24	e21	e25	e23	e12	e110	e.54	.28	.66	2.9
17	---	---	e24	e21	e25	e20	e9.0	e170	.56	e.60	.64	2.8
18	---	e24	e23	e20	e29	e19	e6.0	e120	.58	1.4	.64	3.1
19	---	e23	e22	e20	e25	e19	e4.8	e100	.86	1.2	.70	3.4
20	---	e22	e22	e21	e21	e25	e3.5	e120	.45	1.1	.64	3.0
21	---	e19	e22	e20	e22	e25	e3.0	e150	.77	1.1	.67	4.3
22	---	e19	e22	e21	e31	e28	e2.7	e200	.42	1.3	.78	5.6
23	---	e19	e21	e23	e30	e27	e5.0	e350	.39	1.5	.92	9.7
24	---	e21	e21	e24	e31	e26	e10	e600	.34	1.6	1.0	9.0
25	---	e22	e20	e20	e32	e22	e11	e900	.26	.92	1.1	6.5
26	---	e22	e20	e18	e27	e21	e7.0	e670	.30	.80	1.3	3.7
27	---	e21	e20	e23	e27	e25	e5.0	e500	.97	.71	1.4	2.0
28	---	e20	e20	e24	e27	e28	e2.5	e350	.97	.59	1.6	1.8
29	---	e22	e22	e24	e27	e34	e2.0	e300	.80	.58	1.6	1.4
30	---	e25	e22	e22	---	e31	e3.5	e150	.50	.46	2.1	1.8
31	---	---	e20	e21	---	e28	---	e110	---	.50	2.2	---
TOTAL	---	---	671	665	745	726	292.5	9254.5	113.45	17.53	26.29	98.1
MEAN	---	---	21.6	21.5	25.7	23.4	9.75	299	3.78	.57	.85	3.27
MAX	---	---	25	24	40	34	33	900	50	1.6	2.2	9.7
MIN	---	---	17	18	15	19	2.0	4.5	.26	.09	.17	1.4
AC-FT	---	---	1330	1320	1480	1440	580	18360	225	35	52	195

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

LOCATION.--Lat 40°21'29", long 109°23'13", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ 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, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft^3/s, Jun 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, 1,170 ft^3/s, May 6, gage height, 4.61 ft; minimum discharge, 0.27 ft^3/s, Aug 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	e12	e12	e15	24	21	10	8.2	38	4.4	2.1	.88
2	18	e11	e13	e16	20	21	8.3	12	15	5.3	1.2	.98
3	18	e11	e15	e13	19	21	6.4	30	15	4.8	1.8	.73
4	15	e12	e13	e14	18	19	6.7	146	12	4.4	1.5	.74
5	18	e12	e12	e14	25	18	6.1	542	9.0	4.0	2.1	.73
6	16	e12	e13	e14	25	16	6.0	679	7.7	1.3	1.0	.64
7	e13	e12	e14	e15	21	18	6.1	544	7.2	1.1	.64	.83
8	e13	e12	e16	e14	19	13	6.2	233	9.6	1.1	1.1	3.2
9	e13	e12	e14	e15	19	11	5.7	60	11	1.3	.56	4.9
10	e14	e11	e15	e19	19	14	5.0	23	11	3.3	.51	5.1
11	e13	e12	e15	e18	25	11	4.1	37	5.3	3.3	1.1	5.0
12	e14	e12	e13	e20	32	11	3.2	32	3.7	4.1	.47	4.3
13	e14	e11	e12	e19	29	10	1.9	18	3.0	2.9	.50	4.2
14	e13	e11	e11	e19	25	10	2.4	8.9	2.4	2.1	.44	3.4
15	e15	e11	e11	e20	26	10	2.8	14	1.4	1.4	.37	1.7
16	e13	e12	e11	e19	23	12	3.6	21	4.1	.98	.34	2.3
17	e12	e13	e12	e21	23	15	3.7	19	3.7	1.1	.37	1.7
18	e13	e13	e13	e20	25	14	3.0	48	2.6	1.2	.44	2.3
19	e13	e12	e15	e24	22	13	4.3	47	2.9	5.6	.44	2.7
20	e13	e12	e16	e23	21	15	7.3	19	3.4	5.1	.33	1.5
21	e13	e12	e16	e22	21	15	3.1	13	5.9	3.1	.99	2.7
22	e13	e13	e15	e23	27	15	4.1	25	6.1	2.0	.36	5.0
23	e13	e12	e15	e22	29	15	4.5	160	5.3	.86	1.4	4.8
24	e13	e11	e15	22	28	14	5.8	344	3.9	.90	1.1	7.3
25	e13	e11	e14	23	30	12	6.2	382	3.0	1.0	2.6	7.7
26	e13	e11	e15	25	24	11	7.7	712	4.4	1.7	2.7	5.4
27	e13	e13	e14	23	23	11	4.7	410	6.8	1.1	3.6	4.0
28	e13	e12	e14	21	22	12	5.2	249	7.7	.98	3.3	2.4
29	e15	e12	e14	21	21	15	12	231	4.8	1.7	2.6	2.1
30	e11	e12	e14	26	---	13	12	187	3.1	1.8	1.0	1.6
31	e11	---	e14	32	---	10	---	102	---	2.3	.82	---
TOTAL	436	355	426	612	685	436	168.1	5356.1	219.0	76.22	37.78	90.83
MEAN	14.1	11.8	13.7	19.7	23.6	14.1	5.60	173	7.30	2.46	1.22	3.03
MAX	24	13	16	32	32	21	12	712	38	5.6	3.6	7.7
MIN	11	11	11	13	18	10	1.9	8.2	1.4	.86	.33	.64
AC-FT	865	704	845	1210	1360	865	333	10620	434	151	75	180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	33.0	33.2	26.8	25.5	31.9	28.0	14.9	222	320	53.2	12.7	15.9
MAX	114	113	90.3	77.2	87.3	58.7	37.5	453	1121	354	40.4	49.6
(WY)	1998	1998	1998	1998	1998	1998	1998	1997	1995	1995	1993	1997
MIN	13.3	11.8	13.1	12.0	15.2	12.7	2.43	9.97	4.80	.51	.40	1.41
(WY)	1993	2000	1993	1996	1996	1996	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	31199.2		8898.03			
ANNUAL MEAN	85.5		24.3		68.1	
HIGHEST ANNUAL MEAN					148	1998
LOWEST ANNUAL MEAN					12.7	1992
HIGHEST DAILY MEAN	1240	May 28	712	May 26	3560	Jun 16 1995
LOWEST DAILY MEAN	2.1	Jul 7	.33	Aug 20	.03	Aug 7 1994
ANNUAL SEVEN-DAY MINIMUM	4.7	Jul 6	.39	Aug 14	.03	Aug 25 1994
ANNUAL RUNOFF (AC-FT)	61880		17650		49310	
10 PERCENT EXCEEDS	187		25		102	
50 PERCENT EXCEEDS	18		12		19	
90 PERCENT EXCEEDS	7.6		1.2		2.8	

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 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	GAGE HEIGHT (FEET) (00065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT							
14...	1645	13	8.4	2020	16.5	2.09	43
MAR							
14...	0745	13	8.2	2320	4.0	2.05	60
MAY							
23...	1650	127	8.3	440	20.0	3.25	7
JUN							
28...	1100	--	8.3	2150	21.0	1.93	42
JUL							
26...	1300	6.3	8.2	2450	25.0	--	51
AUG							
30...	1615	--	--	2790	26.0	--	62

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., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 0.2 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.--Records 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, 624 ft^3/s, May 28, 1999, gage height, 3.94 ft, maximum gage height, 4.06 ft, Jun 26, 1995; minimum daily discharge, 6.8 ft^3/s, Aug 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84 ft^3/s, May 11, gage height, 2.53 ft; minimum daily discharge, 10 ft^3/s, Feb 13, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	27	e21	e20	e17	e11	e32	43	29	20	18	21
2	25	26	e20	e19	e16	e12	e35	64	28	21	22	22
3	26	26	e21	e18	e15	e11	e33	45	27	20	20	18
4	26	27	e18	e18	e15	e11	e32	54	28	20	20	17
5	27	26	e20	e19	e14	e13	e32	52	27	20	19	16
6	27	25	e20	e17	e13	e13	e34	40	27	18	19	17
7	26	26	e19	e18	e12	e13	e37	44	26	18	18	18
8	26	27	e19	e19	e12	e14	e37	38	27	20	18	17
9	26	26	e20	e18	e11	e15	e36	36	25	22	18	16
10	26	24	e19	e17	e11	e16	e37	36	25	22	18	16
11	26	25	e20	e18	e11	e16	e39	54	25	22	18	16
12	26	25	e21	e19	e12	e17	40	36	25	21	17	16
13	25	26	e20	e19	e10	e19	42	33	25	21	17	15
14	26	26	e21	e20	e11	e20	47	32	24	22	17	14
15	26	27	e23	e24	e11	e19	40	31	24	20	19	13
16	26	25	e23	e26	e10	e20	37	31	24	21	19	14
17	25	25	e22	e26	e11	e22	35	31	24	21	19	17
18	27	25	e21	e27	e12	e25	38	33	27	20	18	17
19	26	29	e20	e26	e12	e24	34	30	26	19	20	16
20	26	26	e21	e25	e11	e23	31	33	25	18	18	17
21	26	28	e20	e24	e11	e25	35	35	24	17	17	18
22	25	e25	e20	e23	e12	e25	35	34	23	17	17	22
23	26	e26	e21	e24	e13	e24	39	37	22	17	18	22
24	29	e25	e21	e20	e13	e25	40	45	22	15	19	19
25	28	e25	e20	e20	e12	e26	37	38	21	15	19	18
26	27	25	e20	e20	e12	e25	40	33	21	15	21	17
27	27	23	e19	e19	e11	e24	49	30	24	14	22	16
28	27	24	e19	e18	e11	e25	42	30	22	15	19	15
29	27	22	e19	e18	e11	e28	38	28	20	15	18	14
30	25	22	e18	e17	---	e28	36	27	20	16	20	13
31	27	---	e20	e17	---	e29	---	29	---	16	21	---
TOTAL	811	764	626	633	353	618	1119	1162	737	578	583	507
MEAN	26.2	25.5	20.2	20.4	12.2	19.9	37.3	37.5	24.6	18.6	18.8	16.9
MAX	29	29	23	27	17	29	49	64	29	22	22	22
MIN	23	22	18	17	10	11	31	27	20	14	17	13
AC-FT	1610	1520	1240	1260	700	1230	2220	2300	1460	1150	1160	1010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	19.5	18.1	16.0	14.9	14.4	17.7	28.9	82.6	101	39.6	24.9	21.0
MAX	29.0	26.1	22.9	20.4	20.7	23.3	41.3	160	254	90.6	42.4	35.8
(WY)	1998	1998	1998	2000	1999	1998	1997	1998	1995	1998	1997	1997
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	20459		8491			
ANNUAL MEAN	56.1		23.2		33.3	
HIGHEST ANNUAL MEAN					62.3	1998
LOWEST ANNUAL MEAN					16.7	1992
HIGHEST DAILY MEAN	474	May 29	64	May 2	474	May 29 1999
LOWEST DAILY MEAN	18	Apr 11	10	Feb 13	6.8	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	18	Apr 10	11	Feb 10	7.4	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	40580		16840		24120	
10 PERCENT EXCEEDS	129		35		51	
50 PERCENT EXCEEDS	26		22		20	
90 PERCENT EXCEEDS	19		14		12	

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 October 15, 1934, nonrecording gage, and October 16, 1934 to November 6, 1953, water-stage recorder at site 0.5 mi upstream at various datums. November 7, 1953 to November 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 transbasin diversion through Duchesne Tunnel 20 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,260 ft^3/s, Jun 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, Jun 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)
Nay 26	0615	300*	2.48*				

Minimum daily discharge, 45 ft^3/s, Jul 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	117	111	96	e80	88	92	140	178	108	49	102
2	112	115	108	95	e82	86	92	169	155	103	59	113
3	114	115	115	98	e83	85	95	168	137	96	65	98
4	117	115	101	117	e82	86	99	181	129	87	62	87
5	116	115	104	106	e80	89	114	214	116	89	57	83
6	116	116	110	101	e78	89	127	190	111	88	56	80
7	119	118	110	110	e80	85	125	179	103	85	53	76
8	117	120	106	121	e83	85	125	161	97	81	51	81
9	116	117	100	104	e86	86	129	133	95	83	52	84
10	114	116	109	99	86	83	130	143	91	80	54	81
11	113	115	104	97	89	82	121	159	90	86	55	77
12	111	114	111	96	89	86	116	143	86	77	50	72
13	111	112	108	93	87	81	119	126	76	74	48	67
14	109	113	106	96	90	83	128	111	74	71	49	65
15	108	113	119	95	89	85	130	107	69	66	50	64
16	112	116	140	97	85	79	119	99	69	70	69	65
17	115	115	104	96	92	84	112	104	84	71	73	67
18	117	116	101	101	87	82	116	102	101	65	66	67
19	118	110	101	106	79	82	115	99	160	59	78	64
20	119	118	100	100	82	84	109	98	173	51	74	61
21	118	116	102	101	91	82	110	122	157	49	68	69
22	117	111	99	91	93	84	114	157	144	50	74	88
23	115	102	100	92	87	87	120	189	141	48	74	113
24	120	104	100	e98	93	88	126	243	138	48	78	105
25	119	112	99	e97	86	88	119	263	134	52	82	99
26	118	125	97	e98	98	89	122	275	134	54	83	92
27	117	119	97	e100	90	94	131	255	141	53	86	85
28	119	114	95	e105	87	99	141	248	133	48	83	74
29	121	115	95	e100	84	100	152	254	119	47	78	71
30	117	116	97	e90	---	99	148	246	110	45	93	67
31	118	---	95	e82	---	90	---	205	---	46	107	---
TOTAL	3581	3440	3244	3078	2498	2690	3596	5283	3545	2130	2076	2417
MEAN	116	115	105	99.3	86.1	86.8	120	170	118	68.7	67.0	80.6
MAX	121	125	140	121	98	100	152	275	178	108	107	113
MIN	108	102	95	82	78	79	92	98	69	45	48	61
AC-FT	7100	6820	6430	6110	4950	5340	7130	10480	7030	4220	4120	4790

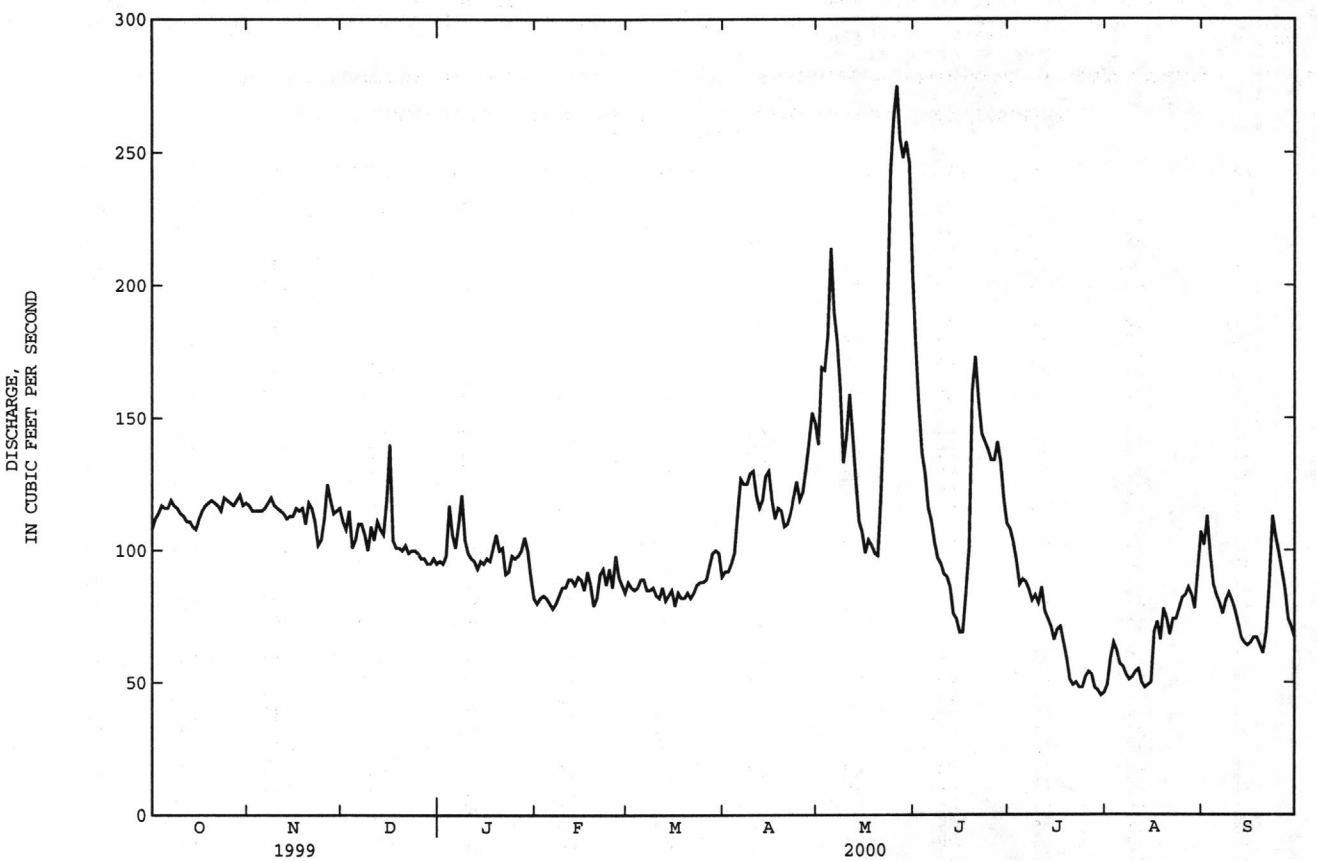
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2000, BY WATER YEAR (WY)

MEAN	116	119	107	95.2	92.4	99.2	153	483	624	200	107	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

09277500 DUCHESNE RIVER NEAR TABIONA, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1919 - 2000	
ANNUAL TOTAL	75054		37578			
ANNUAL MEAN	206		103		192	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	1530	Jun 17	275	May 26	2490	Jun 13 1921
LOWEST DAILY MEAN	81	Aug 16	45	Jul 30	21	Jun 5 1992
ANNUAL SEVEN-DAY MINIMUM	84	Aug 13	49	Jul 26	30	May 31 1992
ANNUAL RUNOFF (AC-FT)	148900		74540		139100	
10 PERCENT EXCEEDS	408		134		396	
50 PERCENT EXCEEDS	111		99		110	
90 PERCENT EXCEEDS	91		67		74	

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 April 12, 1939, nonrecording gage at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by Upper Stillwater Reservoir 8 mi upstream, beginning November 3, 1987. Total capacity, 32,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,920 ft^3/s, Jun 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft, Jun 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 discharge, 156 ft^3/s, Jun 22, gage height, 2.62 ft; minimum discharge, 26 ft^3/s, Mar 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	83	69	67	67	65	66	69	61	54	69	e66
2	95	83	69	67	68	65	66	72	60	52	78	e55
3	93	82	68	e67	67	65	66	70	59	52	80	50
4	90	83	73	68	66	66	69	68	60	51	81	e48
5	88	82	67	68	66	66	71	69	60	51	79	47
6	88	82	68	63	66	67	72	70	59	51	79	47
7	88	82	68	64	65	66	68	70	59	50	75	46
8	88	82	65	66	65	65	66	69	60	51	65	49
9	87	80	e67	70	65	66	65	69	60	52	64	49
10	87	79	69	71	66	65	64	69	59	54	65	48
11	87	80	66	70	67	65	67	69	58	53	64	e47
12	86	80	69	68	67	64	70	68	58	50	63	47
13	86	80	69	68	66	64	70	67	58	49	63	47
14	86	80	69	67	67	64	73	66	58	49	63	47
15	86	79	66	67	66	67	73	66	57	50	59	47
16	86	80	72	67	65	70	72	67	57	51	60	46
17	85	80	72	67	66	64	72	67	58	51	60	47
18	85	79	69	70	65	65	74	68	61	48	60	47
19	85	76	68	71	68	65	71	67	61	48	63	47
20	85	72	69	68	70	64	70	68	59	48	61	47
21	85	72	69	67	66	63	71	68	57	56	59	49
22	85	68	68	68	67	62	73	69	68	58	61	62
23	84	76	69	67	66	67	73	71	57	64	61	57
24	84	68	68	66	69	68	73	73	57	64	61	52
25	84	69	68	68	74	71	74	76	56	66	61	51
26	82	69	68	67	78	72	74	72	56	65	64	50
27	82	69	68	68	67	72	74	67	56	64	64	49
28	85	69	68	e66	67	72	71	62	55	64	63	49
29	85	69	68	64	66	69	70	61	54	63	63	49
30	83	69	68	63	---	67	68	61	55	63	68	48
31	85	---	72	66	---	65	---	61	---	63	e69	---
TOTAL	2684	2302	2126	2084	1948	2056	2106	2109	1753	1705	2045	1490
MEAN	86.6	76.7	68.6	67.2	67.2	66.3	70.2	68.0	58.4	55.0	66.0	49.7
MAX	99	83	73	71	78	72	74	76	68	66	81	66
MIN	82	68	65	63	65	62	64	61	54	48	59	46
AC-FT	5320	4570	4220	4130	3860	4080	4180	4180	3480	3380	4060	2960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2000, BY WATER YEAR (WY)

MEAN	58.1	55.6	52.5	49.3	48.3	51.2	50.3	126	262	204	96.4	80.2
MAX	133	135	137	123	111	116	111	431	743	599	241	253
(WY)	1998	1998	1998	1998	1998	1998	1999	1997	1999	1998	1999	1999
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1988 - 2000	
ANNUAL TOTAL	74010		24408			
ANNUAL MEAN	203		66.7		94.6	
HIGHEST ANNUAL MEAN					212	1999
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	1010	Jun 21	99	Oct 1	1310	Jul 1 1998
LOWEST DAILY MEAN	48	May 11	46	Sep 7	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	50	May 6	47	Sep 11	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	146800		48410		68560	
10 PERCENT EXCEEDS	531		82		177	
50 PERCENT EXCEEDS	110		67		47	
90 PERCENT EXCEEDS	69		51		32	

e Estimated

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

LOCATION.--Lat 40°16'14", long 110°26'31", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ 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 April 25, 1973, at site 150 ft upstream at different gage datum.

REMARKS.--Records good. Several diversions above station for irrigation, including a transbasin diversion to the Great Basin through Duchesne Tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,970 ft^3/s, Jun 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)
May 26	1015	*375	4.79				

Minimum discharge 78 ft^3/s, Jul 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	204	195	189	178	175	174	199	196	142	88	167
2	209	205	193	184	180	173	175	220	168	135	107	165
3	209	205	196	160	180	172	177	217	151	128	122	148
4	208	205	180	153	178	173	182	222	143	114	119	132
5	204	204	182	181	173	178	196	257	135	109	114	126
6	202	203	196	165	173	176	212	239	121	109	112	122
7	204	204	196	162	172	174	207	223	109	107	110	117
8	202	207	191	167	172	170	206	208	109	96	96	135
9	202	214	175	189	177	176	205	177	114	99	94	136
10	200	209	201	216	178	166	205	175	115	98	97	128
11	199	210	184	215	184	166	196	193	116	107	99	124
12	198	209	190	203	181	172	200	183	110	99	91	118
13	196	207	197	184	176	166	207	171	101	99	94	112
14	195	208	179	191	181	168	217	156	93	97	98	107
15	195	208	187	188	181	171	231	150	92	92	98	104
16	197	210	206	192	173	164	212	140	88	97	109	104
17	200	211	221	192	184	170	201	144	94	104	120	104
18	206	210	201	203	176	165	201	145	118	99	112	100
19	199	203	191	211	164	166	200	141	176	91	132	98
20	198	204	190	196	170	170	192	138	199	83	128	95
21	197	200	191	199	181	161	191	153	177	83	115	109
22	196	196	185	184	187	164	201	181	168	84	118	150
23	194	175	190	178	178	171	204	209	169	92	118	173
24	197	185	185	194	185	173	209	278	161	95	120	168
25	196	197	185	196	168	175	199	316	157	97	132	156
26	195	214	185	189	166	178	199	340	158	104	140	148
27	201	205	186	177	180	184	208	306	169	96	144	139
28	204	200	188	157	173	189	210	287	160	92	141	128
29	205	201	184	167	170	189	219	296	152	91	132	126
30	201	201	190	167	---	184	217	280	144	89	152	123
31	204	---	180	179	---	173	---	233	---	88	168	---
TOTAL	6226	6114	5900	5728	5119	5352	6053	6577	4163	3116	3620	3862
MEAN	201	204	190	185	177	173	202	212	139	101	117	129
MAX	213	214	221	216	187	189	231	340	199	142	168	173
MIN	194	175	175	153	164	161	174	138	88	83	88	95
AC-FT	12350	12130	11700	11360	10150	10620	12010	13050	8260	6180	7180	7660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	197	195	169	158	153	165	212	631	1126	435	195	177
MAX	430	308	266	242	222	242	464	1525	2929	1447	443	381
(WY)	1983	1983	1998	1998	1998	1998	1985	1984	1986	1975	1983	1999
MIN	100	124	107	117	116	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	144899		61830			
ANNUAL MEAN	397		169		318	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					118	1992
HIGHEST DAILY MEAN	2490	Jun 20	340	May 26	4700	Jun 6 1986
LOWEST DAILY MEAN	175	Nov 23	83	Jul 20	54	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	185	Dec 25	89	Jul 19	60	Sep 23 1994
ANNUAL RUNOFF (AC-FT)	287400		122600		230200	
10 PERCENT EXCEEDS	871		209		609	
50 PERCENT EXCEEDS	221		177		176	
90 PERCENT EXCEEDS	196		100		112	

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. August 6, 1952 to November 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 August 6, 1952.

REMARKS.--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 October 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, 124 ft^3/s, Aug 30, gage height, 2.12 ft; minimum discharge, 14 ft^3/s, Dec 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	37	36	38	35	36	38	48	40	39	37	39
2	49	37	35	36	36	36	38	48	40	39	38	39
3	50	38	35	33	36	36	39	47	39	39	37	38
4	50	38	31	36	36	36	40	46	40	38	37	38
5	42	38	33	37	35	37	42	45	41	38	37	38
6	37	38	35	32	35	37	49	45	40	38	37	38
7	36	38	38	34	35	36	50	46	40	38	37	38
8	36	38	36	37	35	36	49	47	40	38	37	39
9	36	38	30	38	36	37	50	47	40	40	37	39
10	36	38	36	39	36	36	50	47	39	41	39	39
11	36	38	32	39	37	35	49	44	39	40	38	38
12	37	38	38	39	37	36	48	45	40	38	37	38
13	36	38	36	38	36	36	48	46	40	38	37	38
14	36	38	31	38	37	37	52	45	40	35	37	38
15	36	37	32	38	37	37	51	44	40	38	38	37
16	37	38	40	39	36	35	49	42	40	39	39	37
17	38	38	39	39	37	37	48	42	40	39	39	37
18	38	38	38	41	36	36	48	44	40	38	39	36
19	37	37	37	43	33	36	48	44	44	38	40	37
20	39	38	37	40	34	36	47	43	42	38	39	38
21	37	40	37	39	36	35	47	44	41	37	39	39
22	37	41	36	37	36	36	47	44	41	37	40	42
23	37	33	36	34	35	37	48	43	41	37	38	43
24	37	32	35	37	37	38	48	43	41	37	39	41
25	37	38	35	37	34	38	46	47	40	37	39	41
26	38	38	35	37	33	40	46	46	41	38	39	41
27	38	37	36	35	36	41	47	43	41	37	39	40
28	38	37	36	29	35	41	48	43	39	38	39	40
29	38	37	37	29	36	40	47	43	38	38	40	40
30	38	37	37	29	---	39	47	42	38	38	45	40
31	37	---	36	35	---	37	---	41	---	37	41	---
TOTAL	1203	1126	1101	1132	1033	1146	1404	1384	1205	1180	1194	1166
MEAN	38.8	37.5	35.5	36.5	35.6	37.0	46.8	44.6	40.2	38.1	38.5	38.9
MAX	50	41	40	43	37	41	52	48	44	41	45	43
MIN	36	32	30	29	33	35	38	41	38	35	37	36
AC-FT	2390	2230	2180	2250	2050	2270	2780	2750	2390	2340	2370	2310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2000, BY WATER YEAR (WY)

MEAN	34.6	34.4	32.4	32.5	33.5	37.8	50.7	63.8	65.4	42.7	39.0	38.5
MAX	53.3	52.3	53.1	49.9	48.1	60.7	84.3	117	216	84.9	69.5	64.0
(WY)	1999	1999	1999	1999	1999	1986	1986	1986	1998	1998	1998	1998
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1986 - 2000	
ANNUAL TOTAL	21885		14274			
ANNUAL MEAN	60.0		39.0		42.1	
HIGHEST ANNUAL MEAN					74.6	1998
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	181	May 25	52	Apr 14	242	Jun 21 1998
LOWEST DAILY MEAN	30	Dec 9	29	Jan 28	12	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	34	Dec 9	33	Jan 27	19	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	43410		28310		30500	
10 PERCENT EXCEEDS	103		46		60	
50 PERCENT EXCEEDS	50		38		36	
90 PERCENT EXCEEDS	37		35		26	

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 left bank 50 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 fair 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, Jun 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 296 ft^3/s, May 5, gage height, 5.91 ft; minimum daily discharge, 77 ft^3/s, Jul 24, 28, 29, Aug 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	102	99	e96	e101	104	106	122	115	91	77	108
2	116	101	99	e98	e100	104	105	141	115	93	80	109
3	118	101	101	e96	e103	104	106	171	110	93	83	101
4	121	101	97	e90	e108	105	e108	214	108	90	84	97
5	113	103	97	e88	e108	107	e110	240	105	89	83	95
6	107	101	e102	e90	e100	106	e108	244	102	88	83	92
7	107	100	e100	e93	106	105	e106	249	103	88	82	91
8	111	102	e101	e93	102	104	e107	253	101	88	80	92
9	111	101	e110	e98	103	105	e109	252	102	92	80	96
10	108	101	e105	e99	104	104	e108	248	102	98	83	93
11	109	102	e101	e101	107	102	e105	241	102	97	83	90
12	104	101	e98	e100	107	104	e102	239	102	89	81	92
13	102	102	e100	e100	105	103	e106	238	102	87	81	91
14	102	102	e98	e110	104	105	e110	237	99	84	82	91
15	100	101	e99	e106	109	107	e114	234	99	84	82	87
16	99	101	e90	e108	104	102	e110	224	98	86	88	84
17	100	101	e86	e105	106	104	e109	219	95	88	89	86
18	103	99	e94	e100	104	103	e110	221	99	86	97	88
19	102	97	e96	e103	99	102	e105	221	109	81	97	88
20	102	99	e98	e100	102	105	e106	212	105	79	91	89
21	102	99	e101	e100	105	101	e108	197	97	79	89	93
22	102	102	e100	e100	105	103	e106	185	97	79	90	110
23	102	95	e94	e102	104	104	e109	167	95	79	94	111
24	104	98	e94	e107	108	105	e105	156	94	77	97	111
25	106	111	e94	e100	103	105	e110	153	91	79	97	106
26	102	e105	e90	e101	103	106	e113	139	89	80	110	102
27	101	101	e92	e104	106	109	e116	132	99	78	105	100
28	104	99	e91	e99	104	110	119	128	95	77	96	99
29	102	99	e92	e99	103	109	121	125	89	77	95	102
30	102	100	e93	e101	---	107	121	121	86	79	105	105
31	101	---	e94	e100	---	105	---	116	---	79	116	---
TOTAL	3280	3027	3006	3087	3023	3249	3278	6039	3005	2634	2780	2899
MEAN	106	101	97.0	99.6	104	105	109	195	100	85.0	89.7	96.6
MAX	121	111	110	110	109	110	121	253	115	98	116	111
MIN	99	95	86	88	99	101	102	116	86	77	77	84
AC-FT	6510	6000	5960	6120	6000	6440	6500	11980	5960	5220	5510	5750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2000, BY WATER YEAR (WY)

MEAN	110	98.4	97.2	92.6	98.5	116	174	403	285	141	117	115
MAX	378	258	372	362	336	293	387	1031	1181	518	403	371
(WY)	1984	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1968 - 2000	
ANNUAL TOTAL	70256		39307			
ANNUAL MEAN	192		107		154	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					47.5	1977
HIGHEST DAILY MEAN	465	Jun 3	253	May 8	2010	May 31 1983
LOWEST DAILY MEAN	86	Dec 17	77	Jul 24	18	Jun 20 1977
ANNUAL SEVEN-DAY MINIMUM	92	Dec 24	78	Jul 23	20	Jun 19 1977
ANNUAL RUNOFF (AC-FT)	139400		77970		111400	
10 PERCENT EXCEEDS	270		116		331	
50 PERCENT EXCEEDS	176		102		96	
90 PERCENT EXCEEDS	100		87		61	

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 October 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, Jun 27, 1995, gage height, 6.44 ft, minimum daily, 12 ft^3/s, several days in 1993, 1996 and 1997.

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 23	1815	*1,190	*5.74	No other peak greater than base discharge.			

Minimum daily discharge, 25 ft^3/s, Feb 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	e39	e30	e31	e27	e36	e32	89	326	85	38	90
2	53	e38	29	e30	e26	e37	e32	116	301	78	39	95
3	52	e36	31	e28	e25	e39	e34	154	282	73	42	75
4	51	e35	38	e31	e26	e36	e35	229	265	69	42	67
5	50	e36	42	e31	e29	e34	e37	296	249	65	38	63
6	49	e39	e40	e28	e31	e32	e37	300	233	62	38	60
7	49	e37	e37	e28	e33	e35	e36	280	218	59	37	57
8	e50	e35	e36	e30	e35	e34	e35	230	210	57	38	60
9	e53	e36	e36	e32	e35	e33	e35	207	195	60	37	70
10	e50	e32	e38	e35	e34	e34	e38	196	157	67	37	58
11	e47	e35	e35	e39	e35	e35	e37	182	143	71	37	54
12	e49	e32	e30	e36	e34	e35	e35	157	137	58	36	52
13	e46	e33	e31	e35	e32	e35	34	146	141	56	36	50
14	e44	e34	e33	e33	e34	e35	40	149	128	54	36	49
15	e42	e33	e31	e34	e33	e32	36	168	125	52	43	48
16	e44	e34	e30	e32	e32	e32	34	204	118	53	46	48
17	e45	e35	e29	e31	e31	e32	34	204	108	55	42	47
18	e43	e33	e28	e33	e30	e32	36	193	140	50	51	49
19	e42	e32	e28	e33	e29	e30	34	213	206	48	53	47
20	e42	e34	e29	e32	e29	e30	33	270	147	46	46	47
21	e43	e31	e29	e32	e28	e31	36	386	135	45	42	48
22	e41	e30	e29	e31	e31	e32	36	548	127	42	41	85
23	e40	e33	e30	e30	e31	e32	37	777	120	42	43	77
24	e42	e30	e29	e29	e31	e35	37	802	113	40	43	68
25	e42	e27	e28	e30	e33	e36	38	664	109	40	45	70
26	e40	e29	e28	e29	e31	e40	45	536	110	40	53	67
27	e45	e30	e27	e30	e32	e36	61	452	115	39	57	62
28	e41	e31	e29	e29	e33	e33	80	573	97	38	50	60
29	e37	e30	e29	e28	e34	e32	89	657	88	37	48	59
30	e39	e32	e30	e28	---	e33	82	546	87	37	67	57
31	e40	---	e31	e29	---	e33	---	418	---	38	101	---
TOTAL	1405	1001	980	967	904	1051	1245	10342	4930	1656	1402	1839
MEAN	45.3	33.4	31.6	31.2	31.2	33.9	41.5	334	164	53.4	45.2	61.3
MAX	54	39	42	39	35	40	89	802	326	85	101	95
MIN	37	27	27	28	25	30	32	89	87	37	36	47
AC-FT	2790	1990	1940	1920	1790	2080	2470	20510	9780	3280	2780	3650

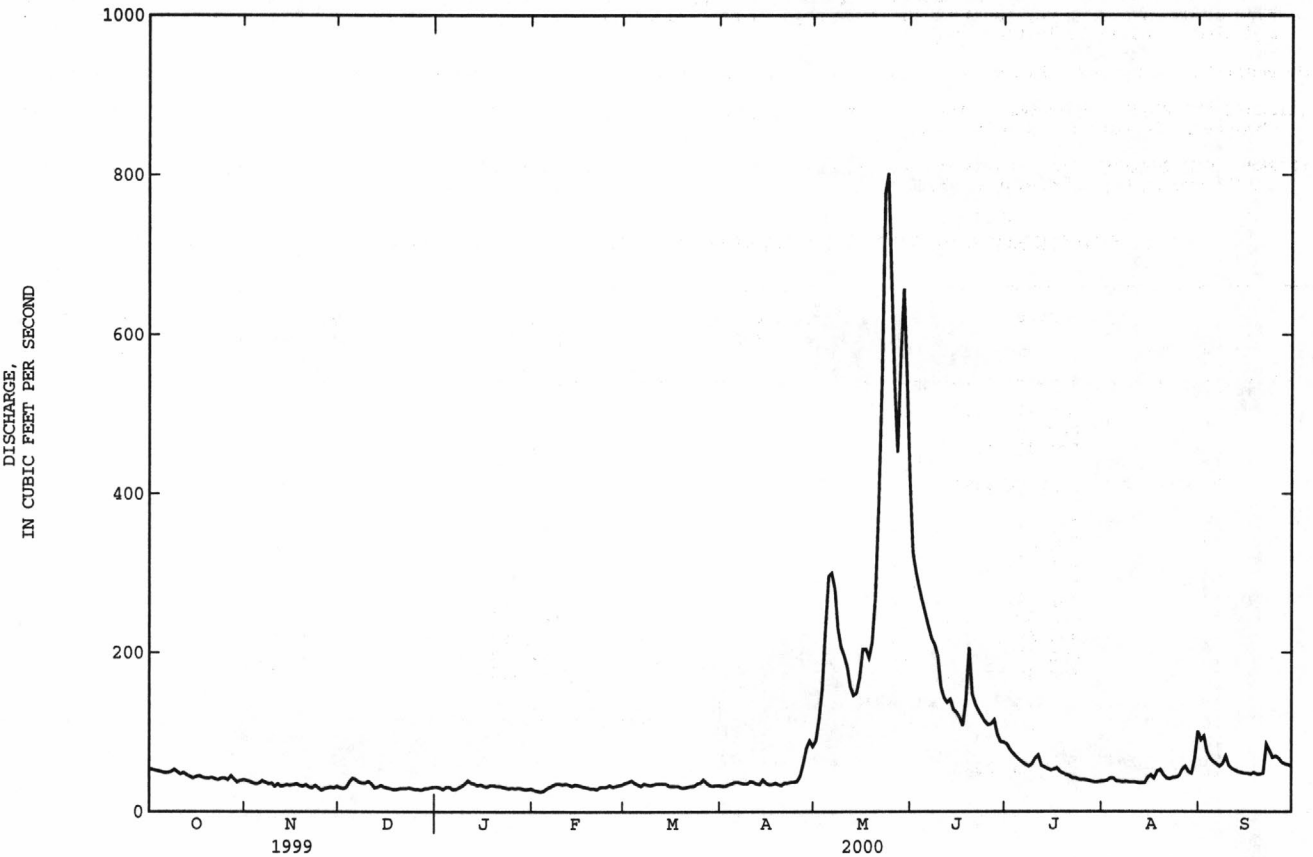
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	53.1	39.2	30.5	26.2	24.1	24.7	40.2	253	543	224	96.2	70.9
MAX	142	80.1	61.3	40.1	39.5	46.5	89.5	578	946	772	212	174
(WY)	1983	1983	1983	1983	1988	1988	1969	1969	1995	1995	1965	1997
MIN	26.3	22.9	15.0	14.8	13.6	15.0	18.6	65.9	164	53.4	45.2	32.1
(WY)	1989	1980	1993	1993	1997	1977	1993	1977	2000	2000	2000	1988

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	53745		27722			
ANNUAL MEAN	147		75.7		119	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	1480	Jun 18	802	May 24	2120	Jun 27 1995
LOWEST DAILY MEAN	27	Nov 25	25	Feb 3	12	Feb 6 1989
ANNUAL SEVEN-DAY MINIMUM	29	Dec 21	27	Jan 29	13	Apr 10 1993
ANNUAL RUNOFF (AC-FT)	106600		54990		86040	
10 PERCENT EXCEEDS	393		157		300	
50 PERCENT EXCEEDS	42		38		43	
90 PERCENT EXCEEDS	29		30		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 December 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, Jul 10-11, 1950; elevation, 8,139.30 ft; minimum observed, 226 acre-ft, Sep 30, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 36,540 acre-ft May 1, elevation 8138.0 ft; minimum contents observed, 5,371 acre-ft Sep 1, elevation 8087.5.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31.....	--	*25,720	0
Nov 30.....	--	*27,680	+1960
Dec 31.....	--	*29,610	+1930
CAL YR 1999.....	--	--	-1170
Jan 31.....	--	*31,220	+1610
Feb 28.....	--	*32,710	+1490
Mar 31.....	--	*34,070	+1360
Apr 30.....	--	*36,460	+2390
May 31.....	--	*35,760	-700
Jun 30.....	--	*24,010	-11750
Jul 31.....	--	*10,160	-13850
Aug 31.....	--	*5,500	-4660
Sep 30.....	--	*6,440	+940
WTR YR 2000.....	--	--	-19280

*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 good except for estimated daily discharges, which are poor. 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, Jun 19, 1949, gage height, 4.83 ft, from rating curve extended above 860 ft^3/s; maximum gage height, 5.46 ft, Jun 26, 1944; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 930 ft^3/s, May 30, gage height, 3.57 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	.00	.00	e5.7	e5.7	e5.7	e5.7	428	353	327	222	16
2	136	.00	.00	e5.7	e5.7	e5.7	e5.7	426	307	325	220	.00
3	134	.00	.00	e5.7	e5.7	e5.7	e5.7	373	301	322	217	.00
4	133	.00	.00	e5.7	e5.7	e5.7	e5.7	339	276	321	213	.00
5	133	.00	.00	e5.7	e5.7	e5.7	e5.7	338	367	320	212	.00
6	135	.00	.00	e5.7	e5.7	e5.7	e5.7	339	389	317	211	.00
7	140	.00	.00	e5.7	e5.7	e5.7	e5.7	339	385	325	210	.00
8	138	.00	.00	e5.7	e5.7	e5.7	e5.7	339	384	353	208	.00
9	137	.00	.00	e5.7	e5.7	e5.7	e5.7	339	383	350	183	.00
10	136	.00	.00	e5.7	e5.7	e5.7	e5.7	342	381	348	108	1.8
11	135	.00	.00	e5.7	e5.7	e5.7	e5.7	343	379	344	107	99
12	135	.00	.00	e5.7	e5.7	e5.7	e5.7	343	377	342	108	102
13	65	.00	.00	e5.7	e5.7	e5.7	5.9	371	408	343	109	146
14	.00	.00	.00	e5.7	e5.7	e5.7	6.0	397	420	343	80	146
15	.00	.00	.00	e5.7	e5.7	e5.7	6.0	394	420	340	53	145
16	.00	.00	.00	e5.7	e5.7	e5.7	6.3	395	418	336	68	144
17	.00	.00	.00	e5.7	e5.7	e5.7	6.3	393	413	335	133	144
18	.00	.00	.00	e5.7	e5.7	e5.7	6.3	391	411	332	132	144
19	.00	.00	.00	e5.7	e5.7	e5.7	5.9	389	411	330	132	112
20	.00	.00	.00	e5.7	e5.7	e5.7	5.3	388	413	327	133	1.7
21	.00	.00	.00	e5.7	e5.7	e5.7	5.3	387	411	324	134	.00
22	.00	.00	.00	e5.7	e5.7	e5.7	5.5	299	407	322	131	.00
23	.00	.00	.00	e5.7	e5.7	e5.7	5.0	193	406	299	130	.00
24	.00	.00	.00	e5.7	e5.7	e5.7	4.8	153	404	135	130	.00
25	.00	.00	.00	e5.7	e5.7	e5.7	4.5	155	401	188	131	.00
26	.00	.00	.00	e5.7	e5.7	e5.7	4.2	156	399	231	131	.00
27	.00	.00	e5.7	e5.7	e5.7	e5.7	4.2	179	396	230	130	.00
28	.00	.00	e5.7	e5.7	e5.7	e5.7	4.1	588	390	228	84	.00
29	.00	.00	e5.7	e5.7	e5.7	e5.7	3.8	689	329	226	51	.00
30	.00	.00	e5.7	e5.7	---	e5.7	301	606	328	225	54	.00
31	.00	---	e5.7	e5.7	---	e5.7	---	478	---	223	51	---
TOTAL	1694.00	0.00	28.50	176.7	165.3	176.7	458.8	11289	11467	9311	4216	1201.50
MEAN	54.6	.000	.92	5.70	5.70	5.70	15.3	364	382	300	136	40.0
MAX	140	.00	5.7	5.7	5.7	5.7	301	689	420	353	222	146
MIN	.00	.00	.00	5.7	5.7	5.7	3.8	153	276	135	51	.00
AC-FT	3360	.00	57	350	328	350	910	22390	22740	18470	8360	2380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	50.8	7.59	1.00	1.54	2.39	3.59	48.7	300	373	357	248	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	60855.40		40184.50			
ANNUAL MEAN	167		110		129	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					60.9	1977
HIGHEST DAILY MEAN	1310	Jun 18	689	May 29	2000	Jun 19 1949
LOWEST DAILY MEAN	.00	Oct 14	.00	Oct 14	.00	Oct 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Oct 14	.00	Oct 14	.00	Oct 15 1942
ANNUAL RUNOFF (AC-FT)	120700		79710		93200	
10 PERCENT EXCEEDS	532		378		365	
50 PERCENT EXCEEDS	7.9		5.7		15	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09292000 YELLOWSTONE RIVER AT BRIDGE CAMPGROUND, NEAR ALTONAH, UT

LOCATION.--Lat 40°32'47", long 110°19'59", in $SW^1/_4NW^1/_4NW^1/_4$ sec. 27, T. 2 N., R. 4 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on right bank 0.5 mi upstream from power plant of Moon Lake Electric Association, Inc., 1.5 mi downstream from Yellowstone Ranch, 10.6 mi northwest of Altonah.

DRAINAGE AREA.--114 mi^2.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,650 ft above sea level, from USGS topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1260 ft^3/s, Jun 4, 1997, gage height 6.38 ft; Minimum daily discharge, 17 ft^3/s, Jul 30, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 433 ft^3/s, May 23; minimum daily discharge, 17 ft^3/s, Jul 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e64	29	e41	e42	e35	31	35	85	217	61	40	124
2	e61	29	e43	e41	e34	32	37	119	213	54	39	113
3	e59	e31	e42	e42	e33	31	45	161	198	48	39	96
4	e57	e30	e44	e41	e31	32	53	206	187	44	40	84
5	e56	e30	e45	e41	e30	32	55	281	165	40	45	77
6	e53	e31	e47	e40	e30	31	49	249	147	36	41	71
7	e51	e32	e49	e38	e30	30	48	211	136	41	29	67
8	e50	e33	e52	e36	e31	29	48	168	128	54	29	76
9	e46	e33	e52	e36	e30	31	50	154	122	54	28	70
10	e48	e34	e54	e38	e32	32	49	150	94	64	31	63
11	e45	e33	e56	e39	e32	35	48	129	85	58	28	59
12	e43	e34	e58	e37	e33	30	51	114	80	50	26	56
13	e40	e32	e60	e39	e34	30	56	122	79	47	26	54
14	e42	e33	e61	e35	e34	30	55	121	71	45	26	51
15	e43	e33	e62	e35	e35	29	52	138	70	46	35	50
16	35	e34	e65	e34	e36	32	49	150	82	55	41	48
17	34	e35	e64	e35	e34	28	67	134	77	44	47	50
18	39	e36	e63	e35	e33	28	59	146	141	38	55	51
19	35	e36	e63	e36	e32	28	58	186	149	34	59	47
20	35	e37	e62	e36	e34	31	61	234	92	31	48	46
21	34	e37	e60	e36	e33	37	61	304	66	29	43	70
22	33	e37	e59	e35	e31	31	62	345	60	26	46	95
23	33	e38	e58	e36	e32	30	62	433	57	24	43	85
24	32	e38	e56	e37	e30	30	46	354	57	22	43	77
25	30	e38	e54	e35	e32	e30	51	342	55	44	53	73
26	29	e38	e51	e34	e33	30	59	294	71	25	77	68
27	29	e38	e49	e37	e34	32	73	302	89	21	67	64
28	29	e39	e47	e37	e35	32	87	343	83	19	60	62
29	28	e40	e47	e36	e36	30	84	348	70	18	61	62
30	31	e40	e48	e34	---	29	81	284	68	17	113	58
31	44	---	e52	e35	---	30	---	242	---	43	116	---
TOTAL	1288	1038	1664	1148	949	953	1691	6849	3209	1232	1474	2067
MEAN	41.5	34.6	53.7	37.0	32.7	30.7	56.4	221	107	39.7	47.5	68.9
MAX	64	40	65	42	36	37	87	433	217	64	116	124
MIN	28	29	41	34	30	28	35	85	55	17	26	46
AC-FT	2550	2060	3300	2280	1880	1890	3350	13580	6370	2440	2920	4100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	66.6	42.9	39.1	36.9	30.6	31.5	43.8	206	464	199	108	122
MAX	112	61.1	54.4	50.0	32.7	32.4	56.4	319	635	388	150	182
(WY)	1998	1998	1998	1998	2000	1997	2000	1997	1999	1998	1999	1997
MIN	41.5	34.6	21.7	25.1	24.1	30.7	34.3	137	107	39.7	47.5	68.9
(WY)	2000	2000	1999	1997	1997	2000	1999	1998	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	47962		23562			
ANNUAL MEAN	131		64.4		116	
HIGHEST ANNUAL MEAN					141	1998
LOWEST ANNUAL MEAN					64.4	2000
HIGHEST DAILY MEAN	1200	Jun 20	433	May 23	1200	Jun 20 1999
LOWEST DAILY MEAN	24	Apr 12	17	Jul 30	17	Jul 30 2000
ANNUAL SEVEN-DAY MINIMUM	27	Apr 7	24	Jul 24	20	Dec 3 1998
ANNUAL RUNOFF (AC-FT)	95130		46740		83970	
10 PERCENT EXCEEDS	317		125		280	
50 PERCENT EXCEEDS	49		44		54	
90 PERCENT EXCEEDS	30		30		28	

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 good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,670 ft^3/s, Jun 20, 1999, gage height, 4.50 ft; maximum gage height, 4.93 ft, Jun 11, 1990; minimum daily, 25 ft^3/s, Nov 28, 1976.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	2400	*642	2.79				

Minimum discharge, 42 ft^3/s, Mar 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	88	66	e53	e50	55	52	108	262	144	77	144
2	127	87	68	e52	e51	56	54	130	243	126	74	154
3	124	83	67	e52	e52	55	54	168	238	120	75	134
4	121	82	e64	e52	e50	56	58	219	230	114	76	119
5	118	81	e66	e52	e52	55	64	284	225	110	72	111
6	110	80	e65	e54	e53	55	64	280	216	103	70	104
7	111	80	e64	e50	e54	54	64	259	207	99	70	99
8	109	81	e64	e51	e55	54	64	240	206	112	70	99
9	107	79	e62	e50	56	55	67	218	199	122	69	107
10	106	78	e62	e50	57	57	65	215	184	123	69	95
11	104	79	e63	e51	57	60	63	207	171	135	70	89
12	102	78	e61	e52	57	52	65	193	166	122	67	86
13	101	77	e60	e52	e58	55	67	185	165	125	66	83
14	100	77	e58	53	59	52	71	188	159	121	65	81
15	98	75	e59	53	58	53	68	194	151	120	66	79
16	94	75	e56	53	60	56	64	210	144	121	75	78
17	94	75	e58	53	57	53	71	208	140	124	76	77
18	98	74	e60	54	54	52	67	196	148	115	85	81
19	95	70	e58	55	e55	53	63	209	198	107	95	77
20	95	74	e59	55	e56	53	64	232	179	102	86	76
21	95	71	e60	55	55	62	67	266	152	99	78	80
22	93	71	e58	e55	56	56	66	321	144	96	77	130
23	91	e71	e61	e54	55	55	67	388	136	93	77	135
24	91	e70	e58	54	55	55	64	451	132	90	76	115
25	90	e70	e58	54	e56	55	59	367	136	87	79	113
26	89	e70	e57	53	e58	57	71	332	132	90	95	108
27	89	70	e55	e52	e56	59	83	296	161	85	113	101
28	89	68	e56	e51	56	60	99	329	165	83	96	97
29	88	67	e54	e50	e54	56	114	381	153	82	90	96
30	85	67	e56	e52	---	55	104	361	142	81	112	93
31	91	---	e54	e51	---	52	---	303	---	75	153	---
TOTAL	3135	2268	1867	1628	1602	1713	2063	7938	5284	3326	2519	3041
MEAN	101	75.6	60.2	52.5	55.2	55.3	68.8	256	176	107	81.3	101
MAX	130	88	68	55	60	62	114	451	262	144	153	154
MIN	85	67	54	50	50	52	52	108	132	75	65	76
AC-FT	6220	4500	3700	3230	3180	3400	4090	15750	10480	6600	5000	6030

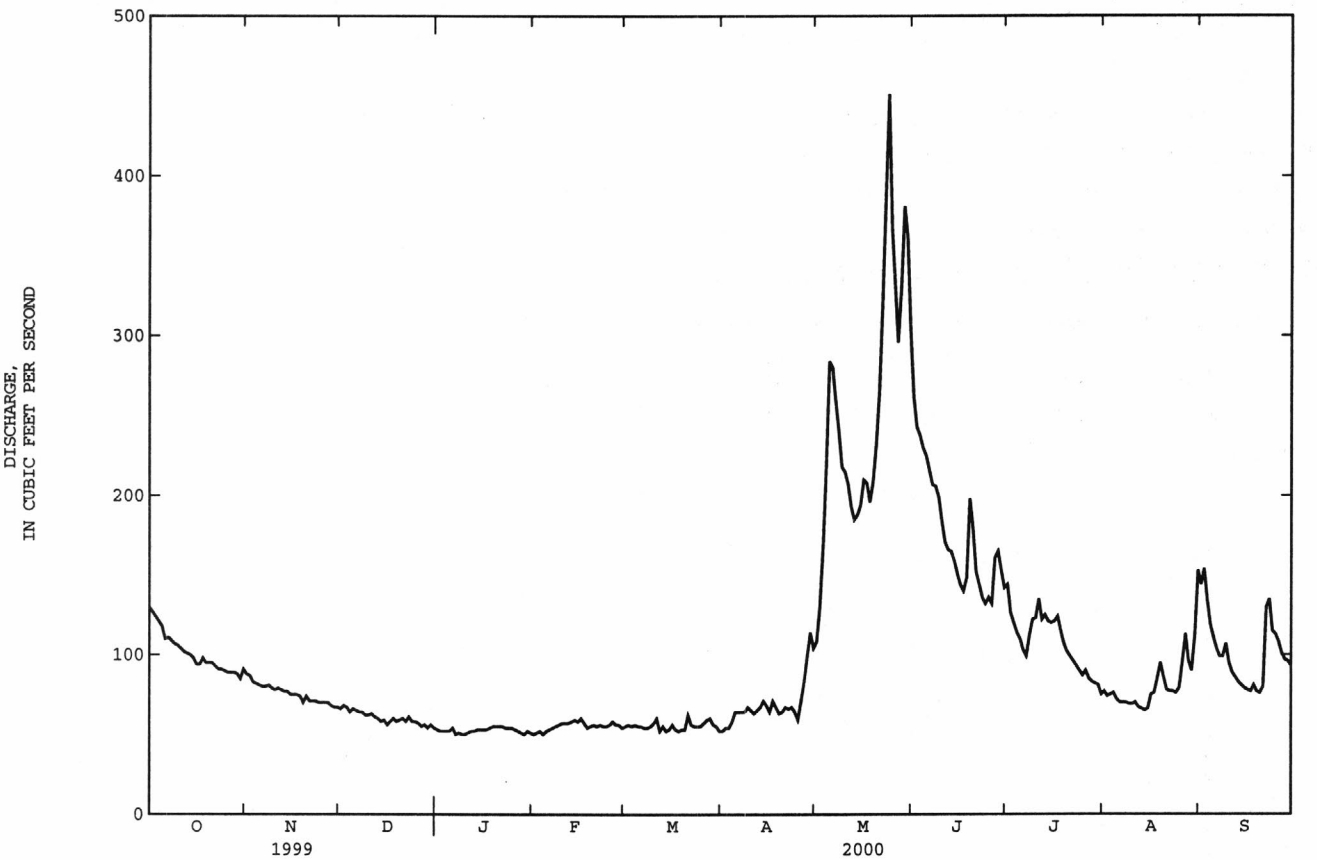
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2000, BY WATER YEAR (WY)

MEAN	90.8	70.5	58.7	50.5	47.9	48.1	63.0	243	493	239	150	119
MAX	213	122	95.6	72.0	62.5	78.8	128	599	1011	744	366	236
(WY)	1983	1983	1983	1984	1983	1986	1969	1969	1983	1965	1965	1997
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1945 - 2000	
ANNUAL TOTAL	68544		36384			
ANNUAL MEAN	188		99.4		140	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	1810	Jun 20	451	May 24	1810	Jun 20 1999
LOWEST DAILY MEAN	47	Apr 10	50	Jan 7	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	48	Apr 7	51	Jan 7	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	136000		72170		101100	
10 PERCENT EXCEEDS	432		190		309	
50 PERCENT EXCEEDS	80		76		75	
90 PERCENT EXCEEDS	54		53		45	

e Estimated

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT--Continued



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.--2,643 mi^2.

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 October 14, 1933, nonrecording gages at several sites within 0.5 mi of present site at various datums.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 12,800 ft^3/s, Jun 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, Jul 16, 1931, and for several days in Aug and Sep 1934.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 479 ft^3/s, Nov 16; minimum daily discharge, 24 ft^3/s, Sep 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	196	e290	e280	173	169	411	58	67	61	39	45
2	373	195	e285	e270	172	166	403	72	61	70	32	52
3	376	221	e300	e265	171	176	399	72	69	62	34	42
4	374	222	e310	e260	177	180	398	66	68	54	32	39
5	367	222	e300	e255	186	192	398	59	73	56	30	36
6	351	216	e285	e255	189	178	388	70	64	47	32	34
7	349	215	e300	e250	186	180	358	78	55	41	39	29
8	355	219	e310	e285	173	171	326	93	67	48	37	29
9	369	221	e315	e300	173	169	317	103	81	57	29	32
10	376	222	e300	407	178	163	304	75	83	59	30	36
11	361	224	e295	395	184	176	289	65	95	57	37	37
12	323	241	e310	345	190	212	190	73	87	56	37	39
13	317	231	e330	314	171	197	163	76	60	45	37	32
14	328	356	e350	279	169	207	95	83	58	44	35	27
15	328	471	e350	252	181	226	104	77	57	48	43	26
16	323	479	e340	247	171	279	87	62	49	54	41	24
17	337	266	e330	248	173	314	66	55	51	53	36	29
18	361	266	e310	248	181	332	50	68	61	46	37	30
19	383	314	e303	237	161	335	48	79	62	46	42	25
20	352	311	e300	196	161	254	53	70	67	39	47	27
21	300	312	e302	189	175	132	45	60	49	46	37	31
22	254	310	e300	182	185	273	41	67	39	41	30	53
23	197	297	e300	167	189	339	42	77	48	39	31	53
24	189	e290	e300	186	176	352	62	58	47	52	33	54
25	190	e285	e302	183	153	376	52	82	57	56	36	50
26	185	e280	e300	184	147	384	48	76	61	48	40	36
27	178	e282	e299	171	177	387	42	71	59	39	36	34
28	187	e280	e300	158	170	400	49	58	60	39	35	47
29	190	e281	e300	158	159	407	50	120	61	35	34	53
30	186	e285	e300	171	---	397	51	141	85	37	39	63
31	194	---	e295	188	---	407	---	89	---	39	49	---
TOTAL	9357	8210	9511	7525	5051	8130	5329	2353	1901	1514	1126	1144
MEAN	302	274	307	243	174	262	178	75.9	63.4	48.8	36.3	38.1
MAX	404	479	350	407	190	407	411	141	95	70	49	63
MIN	178	195	285	158	147	132	41	55	39	35	29	24
AC-FT	18560	16280	18870	14930	10020	16130	10570	4670	3770	3000	2230	2270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)

MEAN	240	290	309	297	318	362	374	1060	1666	427	172	191
MAX	1031	1055	1037	982	715	880	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 2000	
ANNUAL TOTAL	197763		61151			
ANNUAL MEAN	542		167		475	
HIGHEST ANNUAL MEAN					1318	1922
LOWEST ANNUAL MEAN					52.0	1992
HIGHEST DAILY MEAN	5130	Jun 20	479	Nov 16	9690	Jun 20 1917
LOWEST DAILY MEAN	58	Apr 19	24	Sep 16	1.0	Jul 11 1931
ANNUAL SEVEN-DAY MINIMUM	72	Apr 15	27	Sep 14	1.0	Jul 11 1931
ANNUAL RUNOFF (AC-FT)	392300		121300		344100	
10 PERCENT EXCEEDS	746		346		1010	
50 PERCENT EXCEEDS	361		169		289	
90 PERCENT EXCEEDS	170		37		34	

e Estimated

09295100 DUCHESNE RIVER ABOVE UINTA RIVER, NEAR RANDLETT, UT

LOCATION.--Lat 40°12'24", long 109°51'33", in NW$^1/_4$NW$^1/_4$SW$^1/_4$ sec. 23, T. 3 S., R. 1 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank beside county road bridge

DRAINAGE AREA.-- 4,235 mi^2.

PERIOD OF RECORD.--April 1997 to February 1998 miscellaneous measurements, March 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,830 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft^3/s, Jun 21, 1999, gage height 8.64 ft; minimum discharge, 7.2 ft^3/s, Aug 15, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 472 ft^3/s, Nov 16, gage height, 4.60 ft; minimum discharge, 7.2 ft^3/s, Aug 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	401	228	e340	e305	e170	157	381	50	57	65	13	39
2	364	228	e340	e300	e170	159	382	60	42	44	12	51
3	363	229	e340	e300	e170	165	373	64	45	42	10	38
4	370	233	e330	e300	e170	169	373	57	46	37	11	24
5	368	234	e335	e310	e180	176	373	49	47	31	12	21
6	349	233	e330	e300	e180	173	371	48	49	33	9.5	13
7	342	231	e360	e320	e170	169	355	59	36	24	13	11
8	345	231	e335	e320	e160	164	313	81	33	14	17	9.9
9	367	230	e320	e330	e160	159	303	101	43	20	14	18
10	373	230	e330	e330	e170	161	297	83	52	31	8.5	25
11	363	230	e340	e320	e180	162	e265	66	66	40	11	29
12	323	231	e355	e300	e180	195	e160	63	70	32	18	28
13	320	236	e340	e270	e180	200	e120	77	52	32	18	24
14	340	294	e320	e260	e170	192	e89	72	36	24	15	17
15	345	450	e320	e240	e180	210	e110	68	34	23	7.7	15
16	327	464	e330	e230	e170	242	e100	56	28	22	8.3	20
17	348	326	e340	e220	e160	282	e80	46	24	32	7.6	15
18	360	256	e340	e220	e170	298	e61	54	32	26	8.0	19
19	380	301	e340	e210	e160	304	e49	69	50	23	14	17
20	366	307	e335	e190	e150	272	e55	70	62	24	26	11
21	328	307	e320	e180	e160	163	e50	61	57	21	21	13
22	281	308	e320	e170	e170	199	e43	50	39	20	17	59
23	251	300	e315	e160	e180	300	e45	67	33	19	15	71
24	238	286	e310	e170	e170	314	e60	49	39	26	19	70
25	234	326	e290	e180	e160	338	e48	60	42	33	21	58
26	234	e350	e300	e170	e160	350	e46	76	48	29	20	43
27	232	e350	e305	e160	e170	353	44	57	50	22	23	37
28	231	e330	e310	e150	e165	365	45	53	49	19	22	42
29	230	e340	e310	e150	e160	375	45	49	46	14	17	58
30	228	e350	e295	e160	---	365	48	111	38	13	23	60
31	228	---	e315	e170	---	373	---	92	---	13	34	---
TOTAL	9829	8649	10110	7395	4895	7504	5084	2018	1345	848	485.6	955.9
MEAN	317	288	326	239	169	242	169	65.1	44.8	27.4	15.7	31.9
MAX	401	464	360	330	180	375	382	111	70	65	34	71
MIN	228	228	290	150	150	157	43	46	24	13	7.6	9.9
AC-FT	19500	17160	20050	14670	9710	14880	10080	4000	2670	1680	963	1900

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., Uintah 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, 3,610 ft^3/s, Jun 21, 1999, gage height, 7.07; minimum daily discharge, 11 ft^3/s, Jan 8, 19, 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 ft^3/s, May 5, gage height, 6.70 ft; minimum daily discharge, 30 ft^3/s, Jan 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	70	49	e50	e38	34	35	133	296	141	89	149
2	136	69	49	e44	e36	35	37	185	292	143	89	177
3	133	65	48	e37	e36	35	38	245	281	143	90	145
4	131	67	e40	e30	36	36	41	451	272	135	91	123
5	129	65	e35	e32	40	36	46	814	260	127	87	112
6	127	64	e37	e32	36	35	46	762	250	120	85	104
7	127	63	e40	e34	37	35	43	612	238	112	84	98
8	125	64	e42	e33	36	35	42	395	233	107	85	97
9	122	60	e45	e32	36	36	46	295	225	112	83	103
10	119	60	e54	e32	36	36	48	274	201	114	83	93
11	117	62	e62	e34	35	37	46	251	189	125	82	89
12	114	59	e56	e36	36	36	47	217	182	112	79	87
13	113	57	e50	e39	37	37	51	198	189	118	78	85
14	111	57	e52	e39	36	36	55	203	179	114	77	82
15	108	56	e54	e38	36	36	54	216	174	116	77	81
16	102	58	e58	e41	36	38	48	239	165	127	84	80
17	101	59	e58	e39	38	36	45	232	156	126	81	78
18	109	55	e62	e38	36	36	47	203	159	117	83	85
19	103	49	e64	e37	40	37	43	203	228	108	108	82
20	101	57	e64	e37	41	36	41	236	202	104	92	80
21	97	52	e45	e37	36	41	45	320	172	102	82	83
22	94	53	e46	e38	36	37	45	451	161	99	79	147
23	94	e56	e46	e35	36	37	47	629	154	97	79	160
24	93	e49	e45	e38	37	37	49	775	153	97	78	117
25	87	e48	e44	e36	43	37	47	606	167	97	84	113
26	74	e51	e42	e36	54	38	55	544	157	96	99	107
27	73	53	e43	e37	45	39	73	388	178	94	112	100
28	74	52	e43	e38	35	39	103	425	150	91	97	96
29	72	51	e44	e40	36	37	148	567	139	91	91	96
30	69	50	e44	e43	---	35	129	532	132	91	110	94
31	74	---	e45	e44	---	34	---	404	---	90	142	---
TOTAL	3268	1731	1506	1156	1096	1129	1640	12005	5934	3466	2760	3143
MEAN	105	57.7	48.6	37.3	37.8	36.4	54.7	387	198	112	89.0	105
MAX	139	70	64	50	54	41	148	814	296	143	142	177
MIN	69	48	35	30	35	34	35	133	132	90	77	78
AC-FT	6480	3430	2990	2290	2170	2240	3250	23810	11770	6870	5470	6230

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

MEAN	84.7	53.5	37.5	34.9	31.7	33.0	43.2	297	642	334	182	164
MAX	179	109	86.2	62.1	55.0	45.7	54.7	536	1484	852	355	305
(WY)	1998	1999	1999	1999	1998	1998	2000	1993	1995	1995	1998	1997
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	93024		38834			
ANNUAL MEAN	255		106		162	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	1840	Jun 23	814	May 5	3000	Jun 15 1995
LOWEST DAILY MEAN	35	Feb 17	30	Jan 4	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	36	Feb 14	32	Jan 4	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	184500		77030		117200	
10 PERCENT EXCEEDS	860		203		364	
50 PERCENT EXCEEDS	74		74		57	
90 PERCENT EXCEEDS	39		36		26	

e Estimated

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION (Revised).--Lat 40°35'37", long 109°55'54", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 6, 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.--109 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 7,200 ft above sea level, from topographic map. Prior to October 16, 1930, nonrecording gages at several sites within 2 mi of present site at various datums. October 16, 1930 to November 26, 1984, water-stage recorder at various sites and datums about 3 mi downstream.

REMARKS.--Records good. Flow slightly regulated by small mountain lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft^3/s, Jun 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)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	2215	*818	*5.10	No other peak greater than base discharge.			

Minimum discharge, 16 ft^3/s, Mar 10, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	44	e36	e41	e27	28	30	142	224	172	96	104
2	89	43	e35	e37	e27	28	32	212	201	162	96	154
3	83	41	e35	e27	e27	28	33	312	204	158	95	108
4	66	42	e34	e29	e28	29	34	501	185	155	93	95
5	63	41	e35	e29	e30	29	38	570	177	152	92	88
6	60	41	e36	e29	e29	28	39	411	170	147	88	84
7	56	41	e37	e28	e29	28	39	369	164	140	86	80
8	55	42	e35	e28	29	29	38	281	162	138	88	80
9	53	40	e33	e30	28	29	40	252	165	139	84	83
10	51	40	e37	e34	28	28	40	266	182	138	84	75
11	50	42	e34	e34	28	29	39	248	191	145	82	72
12	49	40	e36	e37	29	28	40	190	186	135	79	70
13	48	39	e38	e35	28	28	44	175	184	133	78	67
14	47	40	e38	e34	28	28	49	185	176	130	76	63
15	47	40	e40	e33	29	28	47	210	170	128	76	60
16	45	41	e42	e32	28	28	43	231	169	136	78	58
17	42	41	e37	e30	29	28	41	203	171	137	77	55
18	47	40	e38	e30	29	28	43	169	175	130	76	59
19	44	36	e39	e31	27	28	41	170	224	125	99	56
20	44	42	e39	e32	30	28	39	176	212	121	88	54
21	44	38	e39	e29	29	29	41	214	198	119	78	57
22	43	38	e37	e28	29	30	42	263	191	116	75	110
23	42	30	e35	e28	28	31	44	294	186	114	76	116
24	43	32	e35	e28	28	31	46	333	185	116	72	95
25	42	e36	e36	e30	28	31	45	328	191	115	75	90
26	42	e42	e37	e28	30	32	53	344	190	113	93	85
27	42	e40	e36	e26	32	34	73	279	214	108	94	76
28	42	e39	e36	e25	29	35	108	263	182	105	78	70
29	42	e38	e36	e27	29	32	134	280	173	103	73	67
30	41	e37	e37	e28	---	31	122	276	168	101	84	64
31	46	---	e39	e28	---	30	---	254	---	98	89	---
TOTAL	1600	1186	1137	945	829	911	1497	8401	5570	4029	2598	2395
MEAN	51.6	39.5	36.7	30.5	28.6	29.4	49.9	271	186	130	83.8	79.8
MAX	92	44	42	41	32	35	134	570	224	172	99	154
MIN	41	30	33	25	27	28	30	142	162	98	72	54
AC-FT	3170	2350	2260	1870	1640	1810	2970	16660	11050	7990	5150	4750

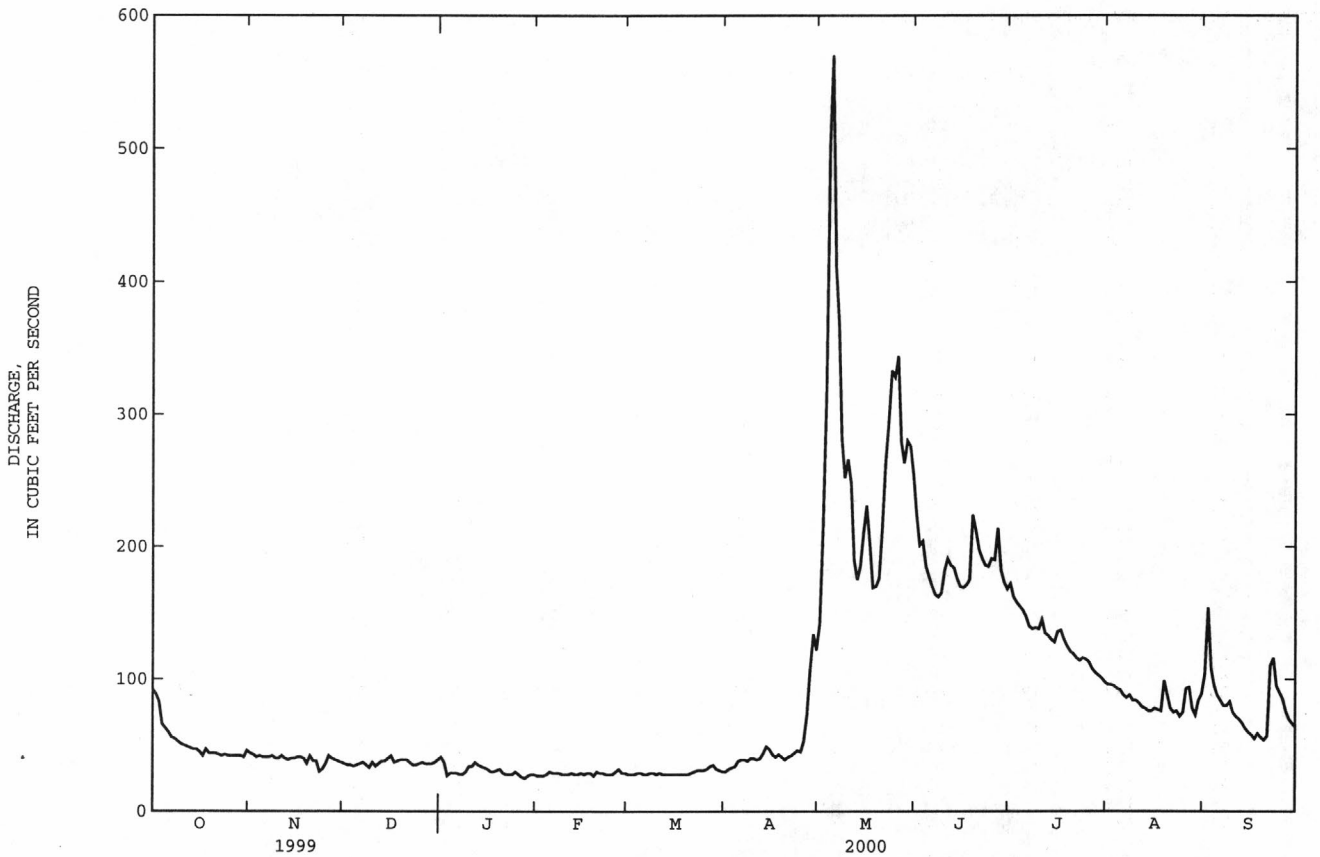
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2000, BY WATER YEAR (WY)

MEAN	68.3	45.2	34.8	29.7	27.1	27.9	48.3	279	401	182	125	95.1
MAX	155	93.0	58.7	47.2	37.8	41.0	118	584	1178	573	238	217
(WY)	1939	1939	1942	1930	1930	1986	1962	1937	1983	1995	1984	1997
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

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1930 - 2000	
ANNUAL TOTAL	55796		31098			
ANNUAL MEAN	153		85.0		114	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					42.0	1934
HIGHEST DAILY MEAN	1660	Jun 17	570	May 5	2300	Jun 22 1983
LOWEST DAILY MEAN	26	Apr 10	25	Jan 28	14	Feb 24 1977
ANNUAL SEVEN-DAY MINIMUM	28	Apr 7	27	Jan 27	15	Jan 20 1991
ANNUAL RUNOFF (AC-FT)	110700		61680		82520	
10 PERCENT EXCEEDS	407		187		250	
50 PERCENT EXCEEDS	46		44		51	
90 PERCENT EXCEEDS	30		28		25	

e Estimated



09301500 UINTA RIVER AT RANDLETT, UT

LOCATION.--Lat 40°14'01", long 109°48'11", in $SE^1/_4NE^1/_4SE^1/_4$ sec. 07, T. 3 S., R. 2 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on right bank at Randlett, 0.1 mi upstream from county road bridge on State Highway 88, and 2.8 mi from mouth.

DRAINAGE AREA.--1,064 mi^2.

PERIOD OF RECORD.--November 1899 to November 1904, October 1976 to September 1981, November 1899 to November 1904, published as "at Ouray School", April 1997 to February 1998 miscellaneous measurements, March 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,790 ft above sea level, from topographic map. November 1899 to November 1904, staff gage at different datum; October 1976 to September 1981 also at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,310 ft^3/s, Jun 17, 1998, gage height 9.24 ft; minimum daily discharge, 3.6 ft^3/s, Jul 15, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 349 ft^3/s, May 6, gage height, 4.99 ft; minimum daily discharge, 7.2 ft^3/s, Aug 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	125	113	e87	96	138	80	37	63	31	17	35
2	182	130	110	e88	104	138	81	46	66	30	16	42
3	170	141	119	e90	115	129	73	54	64	34	17	33
4	162	143	108	e98	112	127	73	77	63	27	18	30
5	150	129	e125	e90	125	130	93	175	59	35	9.2	31
6	122	112	e95	e97	121	130	89	257	56	24	12	31
7	110	106	e90	e105	103	134	81	175	62	17	11	31
8	101	110	e85	e98	96	134	72	134	76	16	7.6	27
9	114	115	e76	e91	91	136	55	110	67	16	7.2	26
10	129	114	e90	e100	104	165	41	87	64	22	19	26
11	133	115	e94	e145	148	146	35	82	51	22	18	22
12	134	115	e90	e111	193	140	32	70	52	23	14	20
13	126	114	e90	e100	177	144	37	64	50	28	10	16
14	122	113	e98	e110	164	158	45	72	46	23	16	20
15	112	110	e82	e82	185	170	63	67	44	25	16	22
16	116	111	e72	e70	177	163	68	59	40	26	15	14
17	136	112	e82	e70	164	136	58	58	46	27	12	14
18	157	114	e78	e70	170	125	57	70	54	21	19	17
19	139	99	e76	e70	156	116	55	68	59	21	17	20
20	140	96	e71	e70	143	133	48	70	65	20	18	15
21	135	104	e82	e70	152	134	48	65	38	14	17	16
22	133	108	e76	e75	218	146	51	76	32	11	15	37
23	141	e150	e92	e70	227	149	48	72	27	10	17	51
24	146	e140	e92	e70	189	140	47	70	22	11	21	60
25	147	125	e98	e65	175	126	42	97	22	15	18	58
26	138	116	e100	e60	132	128	45	123	31	18	17	54
27	134	111	e100	e55	137	125	35	120	34	19	21	42
28	133	113	e95	e75	143	113	30	94	34	19	19	34
29	130	114	e89	85	141	115	26	88	40	15	24	28
30	124	111	e85	113	---	97	30	75	36	9.1	27	23
31	127	---	e92	113	---	85	---	65	---	12	32	---
TOTAL	4235	3516	2845	2693	4258	4150	1638	2777	1463	641.1	517.0	895
MEAN	137	117	91.8	86.9	147	134	54.6	89.6	48.8	20.7	16.7	29.8
MAX	192	150	125	145	227	170	93	257	76	35	32	60
MIN	101	96	71	55	91	85	26	37	22	9.1	7.2	14
AC-FT	8400	6970	5640	5340	8450	8230	3250	5510	2900	1270	1030	1780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977-81, 1998-2000, BY WATER YEAR (WY)

MEAN	74.0	81.6	63.0	62.0	91.8	99.4	59.6	128	522	102	51.7	85.2
MAX	208	292	185	153	189	223	134	351	1411	455	150	297
(WY)	1999	1999	1999	1999	1999	1979	1998	1999	1998	1998	1998	1999
MIN	16.8	13.6	19.7	16.5	20.5	24.2	15.0	19.9	17.7	12.3	16.0	14.6
(WY)	1978	1978	1979	1978	1978	1977	1977	1977	1977	1977	1977	1979

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977-81, 1998-2000	
ANNUAL TOTAL	93181		29628.1			
ANNUAL MEAN	255		81.0		99.3	
HIGHEST ANNUAL MEAN					284	1999
LOWEST ANNUAL MEAN					23.8	1977
HIGHEST DAILY MEAN	2430	Jun 18	257	May 6	3000	Jun 18 1998
LOWEST DAILY MEAN	36	Apr 17	7.2	Aug 9	5.3	Jul 14 1977
ANNUAL SEVEN-DAY MINIMUM	39	Apr 8	12	Aug 3	7.2	Jul 13 1977
ANNUAL RUNOFF (AC-FT)	184800		58770		71900	
10 PERCENT EXCEEDS	611		143		225	
50 PERCENT EXCEEDS	139		76		44	
90 PERCENT EXCEEDS	79		18		16	

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 August 23, 1944 at site 300 ft downstream at different datum. August 23, 1944 to September 4, 1964 at site 200 ft upstream at datum 1.87 ft higher. September 5, 1964 to June 6, 1968 at site 700 ft upstream at datum 1.68 ft higher. June 7, 1968 to August 31, 1970 at site 200 ft upstream at datum 1.87 ft higher. September 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 good except for estimated daily discharges, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transbasin diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobble Creek ditch, Strawberry River, and Willow Creek Ditch.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 704 ft^3/s, Oct 1, gage height, 4.11 ft; minimum daily discharge, 33 ft^3/s, Aug 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687	350	e500	e355	281	277	443	99	117	88	49	76
2	620	350	e490	e340	273	282	448	112	106	71	45	91
3	588	382	e490	e320	301	276	427	120	107	71	41	80
4	578	410	e490	315	284	282	425	133	107	68	46	66
5	554	390	e480	e310	287	293	438	229	100	69	40	65
6	480	365	e470	e300	306	292	432	321	95	65	39	57
7	444	356	e490	302	303	289	407	241	84	57	35	56
8	423	366	e450	293	288	283	358	207	89	53	37	53
9	471	365	e441	320	298	270	336	205	96	59	33	55
10	515	368	e450	432	307	309	318	156	104	68	38	61
11	510	366	e470	e465	348	282	298	131	107	75	38	58
12	451	378	e470	e440	397	313	226	115	112	68	43	57
13	435	375	e475	e400	357	330	156	123	101	72	40	56
14	440	411	e490	402	326	331	137	125	84	61	43	53
15	438	e560	e515	395	356	367	159	117	82	63	37	54
16	429	e575	e500	356	344	396	170	103	76	63	45	54
17	461	e435	e448	367	324	418	123	92	73	66	39	48
18	494	456	e440	395	352	422	109	107	82	60	46	48
19	514	e470	e430	455	325	419	101	116	97	59	50	49
20	498	479	e400	390	297	406	102	121	108	60	57	42
21	459	489	e395	353	315	259	103	112	93	54	53	41
22	409	e480	e390	331	392	288	103	113	74	54	47	85
23	366	e475	e380	293	427	446	100	120	69	50	42	119
24	356	e440	e395	308	372	456	110	110	74	50	51	134
25	358	e460	e390	325	334	466	115	153	77	57	49	118
26	357	e470	e385	345	256	475	109	204	86	59	46	102
27	350	e480	e380	347	300	474	97	187	85	58	48	81
28	345	e490	e385	298	306	472	91	150	79	56	45	76
29	350	e490	e355	233	290	484	92	128	81	50	49	82
30	338	e490	e365	240	---	450	100	170	74	46	58	79
31	345	---	e365	294	---	443	---	164	---	46	72	---
TOTAL	14063	12971	13574	10719	9346	11250	6633	4584	2719	1896	1401	2096
MEAN	454	432	438	346	322	363	221	148	90.6	61.2	45.2	69.9
MAX	687	575	515	465	427	484	448	321	117	88	72	134
MIN	338	350	355	233	256	259	91	92	69	46	33	41
AC-FT	27890	25730	26920	21260	18540	22310	13160	9090	5390	3760	2780	4160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	322	394	417	406	446	497	411	982	1916	515	215	235
MAX	1529	1443	1353	1246	964	1202	1865	4938	7988	3177	926	1264
(WY)	1984	1984	1984	1984	1984	1983	1952	1952	1983	1995	1965	1997
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	303997		91252			
ANNUAL MEAN	833		249		562	
HIGHEST ANNUAL MEAN					1736	1983
LOWEST ANNUAL MEAN					76.4	1990
HIGHEST DAILY MEAN	6710	Jun 20	687	Oct 1	11500	Jun 20 1983
LOWEST DAILY MEAN	127	Apr 20	33	Aug 9	3.2	Aug 9 1961
ANNUAL SEVEN-DAY MINIMUM	153	Apr 15	37	Aug 5	4.2	Aug 7 1961
ANNUAL RUNOFF (AC-FT)	603000		181000		407100	
10 PERCENT EXCEEDS	1570		470		1120	
50 PERCENT EXCEEDS	524		282		341	
90 PERCENT EXCEEDS	278		51		59	

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 TEMPERATURE: December 1950 to September 1951, November 1956 to September 1978, October 1979 to September 1980, June 1981 to current year.

INSTRUMENTATION.--Temperature data logger April, 1999 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, Jun 22, 1983.
WATER TEMPERATURE: Maximum, 29.8°C, Jul 13, 2000; minimum, 0.0°C, on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 2,000 microsiemens, Jul 29, 30; minimum observed, 580 microsiemens, Dec 26.
WATER TEMPERATURE: Maximum recorded, 29.8°C, Jul 13; minimum, 0.0°C, on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
13...	1400	427	643	135	11.6	8.7	870	--	14.0	340	71
NOV											
30...	1500	490	644	106	12.3	8.8	810	--	2.0	310	67
JAN											
11...	1540	507	633	103	12.5	8.4	670	12.5	.0	260	61
FEB											
29...	1530	301	639	107	10.7	8.8	970	1.0	7.5	350	71
APR											
11...	1540	300	643	119	9.9	8.8	820	20.5	15.5	290	63
MAY											
24...	1600	102	637	116	8.5	8.5	1430	28.0	21.5	430	90
JUL											
11...	1110	--	644	97	6.9	8.3	1560	26.5	23.0	440	87
SEP											
01...	1230	--	639	107	7.9	8.3	1750	26.0	21.0	480	95

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT											
13...	39	2.1	2	74	32	224	29	.43	8.3	220	<.020
NOV											
30...	35	1.5	1	59	29	221	23	.40	8.5	190	<.020
JAN											
11...	27	1.7	1	47	28	197	23	.29	8.1	150	<.020
FEB											
29...	42	2.2	2	87	35	219	35	.50	8.3	260	<.020
APR											
11...	33	2.1	2	69	34	207	31	.36	3.9	200	<.020
MAY											
24...	51	4.3	3	144	42	272	67	.55	9.2	420	<.020
JUL											
11...	53	3.6	4	178	47	282	82	.60	9.5	450	<.020
SEP											
01...	58	5.2	4	211	49	304	81	.68	15	540	<.020

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT										
13...	<.050	<.010	--	<.010	.8	3.99	.77	656	569	582
NOV										
30...	<.050	<.010	--	<.010	.7	3.91	.70	678	--	513
JAN										
11...	.211	<.010	--	<.010	1.5	3.80	.59	597	436	436
FEB										
29...	<.050	<.010	--	<.010	.7	3.17	.91	543	668	640
APR										
11...	<.050	<.010	--	<.010	.6	3.22	.74	441	545	527
MAY										
24...	<.050	<.010	.04	.013	1.6	2.53	1.35	273	992	954
JUL										
11...	<.050	<.010	--	<.010	2.7	2.42	1.47	--	1080	1040
SEP										
01...	.095	<.010	--	<.010	2.9	2.45	1.69	--	1240	1190

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT			
13...	1400	364	<2
NOV			
30...	1500	313	<2
JAN			
11...	1540	242	<2
FEB			
29...	1530	344	<2
APR			
11...	1540	329	E1
MAY			
24...	1600	520	4
JUL			
11...	1110	663	<2
SEP			
01...	1230	788	<2

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	820	1070	780	860	930	1050	760	1710	1520	1610	1780	1630
2	840	1070	830	860	930	1050	770	1710	1540	1520	1780	1640
3	860	970	820	850	930	1000	760	1290	1530	1610	1780	1640
4	930	1040	850	860	930	970	1770	1230	1510	1510	1790	860
5	940	1070	860	860	930	1020	730	1710	1430	1610	1990	1960
6	850	1050	760	810	950	1040	1810	1640	1470	1620	1780	1960
7	930	1020	850	820	1010	990	760	1260	1420	1610	1780	1960
8	930	1020	890	870	1000	950	850	1230	1380	1550	1750	1960
9	900	1020	740	810	1000	880	710	1270	1400	1490	1690	1950
10	930	940	740	860	980	980	870	1400	1430	1480	1910	1720
11	900	940	750	820	930	890	820	1430	1390	1520	1900	1730
12	1070	970	760	820	920	920	1870	1430	1420	1490	1920	1730
13	1060	960	740	820	970	890	1880	1430	1460	1500	1920	1720
14	910	930	760	920	950	870	1890	1700	1460	1490	1920	1730
15	1060	820	760	920	1090	870	1900	1600	1450	1470	1920	1730
16	1020	820	750	920	1090	830	1890	1600	1450	1480	1740	1650
17	900	1000	750	930	1060	900	1830	1440	1400	1670	1750	1660
18	1080	980	750	930	1060	910	1890	1440	1400	1690	1740	1660
19	910	960	860	1050	1100	900	1870	1570	1440	1780	1740	1650
20	1040	950	880	1060	970	970	1860	1630	1660	1740	1740	1660
21	1080	1010	740	1060	950	900	1880	1650	1660	1690	1740	1650
22	1110	1010	860	1060	980	780	1840	1650	1650	1690	1740	1750
23	1070	970	630	1060	1070	770	1820	1450	1530	1790	1740	1750
24	1100	990	660	1060	1000	760	1800	1650	1650	1460	1940	1740
25	1030	820	610	900	950	790	1810	1450	1660	1660	1940	1680
26	1020	810	580	900	1000	710	1870	1650	1480	1660	1610	1740
27	1020	840	860	900	1030	740	1830	1130	1660	1690	1620	1750
28	1040	850	870	900	960	770	1620	1130	1480	1730	1630	1750
29	1070	820	850	900	1050	780	1250	1120	1620	2000	1640	1850
30	990	850	860	900	---	780	1280	1130	1530	2000	1660	1790
31	1070	---	860	930	---	770	---	1550	---	1990	1640	---
MEAN	983	952	783	910	990	885	1480	1460	1500	1640	1780	1720

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.7	9.6	11.6	7.9	4.6	6.3	2.4	.5	1.5	.0	.0	.0
2	13.1	9.1	11.1	6.9	4.6	5.8	2.1	.4	1.4	.0	.0	.0
3	13.1	8.8	10.9	6.5	3.5	5.0	2.2	1.1	1.6	.0	.0	.0
4	13.3	9.0	11.2	6.8	3.6	5.2	1.6	.0	.8	.0	.0	.0
5	13.6	9.4	11.5	7.1	3.8	5.5	.4	.0	.1	.0	.0	.0
6	13.9	10.2	12.1	7.3	4.1	5.7	.3	.0	.1	.0	.0	.0
7	15.3	11.5	13.2	6.4	4.0	5.4	.3	.0	.1	.0	.0	.0
8	14.6	10.7	12.7	7.1	4.2	5.8	1.1	.0	.4	.0	.0	.0
9	14.6	10.5	12.6	7.9	4.9	6.4	.2	.0	.0	.0	.0	.0
10	14.7	10.8	12.8	7.3	4.6	6.1	.2	.0	.0	.0	.0	.0
11	14.8	10.9	12.9	7.3	4.5	5.9	.0	.0	.0	.0	.0	.0
12	14.5	10.7	12.7	6.9	4.1	5.5	.0	.0	.0	.1	.0	.0
13	14.4	10.4	12.4	6.3	3.5	5.0	.1	.0	.0	.1	.0	.0
14	13.6	9.7	11.8	5.7	2.9	4.4	.0	.0	.0	.0	.0	.0
15	12.7	10.0	11.2	5.6	2.7	4.3	.0	.0	.0	.1	.0	.0
16	10.2	7.7	8.9	5.8	3.2	4.6	.0	.0	.0	.1	.0	.0
17	9.0	5.5	7.3	6.0	3.2	4.8	.0	.0	.0	.2	.0	.0
18	9.2	5.6	7.4	5.5	3.4	4.5	.0	.0	.0	.3	.0	.0
19	9.9	6.3	8.1	4.0	1.9	3.1	.1	.0	.0	.6	.0	.2
20	9.9	6.2	8.1	4.3	2.0	3.1	.1	.0	.0	.4	.1	.1
21	10.0	6.3	8.2	3.4	2.0	2.8	.2	.0	.0	.6	.0	.2
22	10.1	6.3	8.2	4.3	2.5	3.3	.0	.0	.0	.8	.0	.3
23	9.6	6.0	7.9	2.9	.6	1.6	.0	.0	.0	.4	.0	.2
24	9.6	6.0	7.8	.9	.0	.3	.0	.0	.0	.8	.0	.4
25	9.4	5.9	7.7	1.2	.0	.4	.0	.0	.0	.9	.4	.6
26	9.3	5.8	7.6	2.0	.0	.8	.0	.0	.0	1.0	.6	.8
27	9.3	5.7	7.6	2.5	.6	1.5	.0	.0	.0	1.2	.2	.6
28	8.3	6.1	7.4	2.6	.6	1.7	.0	.0	.0	1.5	.0	.5
29	9.3	6.2	7.7	3.1	1.0	2.1	.0	.0	.0	.6	.0	.1
30	8.2	5.2	6.8	2.4	1.3	1.8	.0	.0	.0	.3	.0	.1
31	7.9	4.6	6.3	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	15.3	4.6	9.8	7.9	.0	4.0	2.4	.0	.2	1.5	.0	.1

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	6.6	4.5	5.5	10.1	4.4	7.2	20.5	12.8	16.6
2	.0	.0	.0	7.9	3.6	5.7	9.8	6.9	8.3	21.1	14.2	17.7
3	.0	.0	.0	8.7	4.1	6.4	11.6	6.4	8.9	22.2	14.6	18.4
4	.2	.0	.0	9.0	4.3	6.6	13.2	7.4	10.2	22.7	16.0	19.4
5	.3	.0	.0	7.2	5.3	6.2	14.0	9.2	11.6	20.0	16.0	18.1
6	.5	.0	.1	6.9	4.3	5.5	13.6	9.3	11.5	17.5	14.7	16.2
7	1.0	.0	.3	7.7	4.5	5.7	14.4	9.1	11.6	16.8	14.5	15.9
8	1.2	.0	.5	6.9	4.0	5.5	14.5	9.2	11.9	14.9	12.3	13.6
9	3.4	.4	1.8	8.4	4.7	6.3	14.4	9.7	12.1	17.8	11.3	14.5
10	3.7	1.9	2.8	8.2	3.9	6.0	15.4	10.0	12.6	19.9	14.4	17.0
11	5.0	2.5	3.7	7.4	3.5	5.6	16.0	10.1	13.0	16.2	11.7	13.7
12	4.2	2.9	3.5	9.4	5.2	7.1	16.8	10.7	13.6	14.7	9.7	12.4
13	2.9	1.4	2.1	9.7	5.2	7.5	16.3	11.1	13.6	16.5	9.8	13.3
14	4.0	1.3	2.5	8.0	5.2	6.8	14.4	11.7	12.9	17.5	11.3	14.5
15	5.2	2.0	3.6	6.6	4.9	5.6	13.7	9.9	11.7	20.2	12.8	16.3
16	3.8	2.4	3.2	8.1	3.3	5.6	15.8	9.7	12.7	19.0	13.8	16.5
17	4.1	2.3	3.2	8.0	4.3	6.0	18.1	11.6	14.6	17.8	12.5	15.2
18	5.1	2.7	3.7	8.2	3.4	5.8	15.8	10.8	13.0	17.0	13.4	15.1
19	4.8	1.3	3.1	7.0	4.0	5.7	12.6	8.3	10.5	19.6	12.2	15.9
20	3.8	1.2	2.7	5.9	3.5	4.6	16.7	8.9	12.6	22.0	14.7	18.0
21	3.5	1.8	2.7	8.0	2.1	4.9	14.9	11.6	13.4	21.6	15.0	18.2
22	6.5	3.0	4.7	9.4	3.7	6.5	15.6	11.0	13.2	22.9	16.5	19.6
23	5.1	3.1	4.3	10.1	5.6	7.9	16.3	11.5	14.0	23.1	16.9	19.9
24	4.5	2.7	3.8	10.8	6.4	8.5	16.8	11.9	14.3	21.5	17.2	19.1
25	3.5	1.1	2.2	10.9	6.6	8.8	17.5	10.6	14.1	19.6	16.1	17.9
26	3.4	.0	1.7	12.1	7.4	9.7	18.4	12.0	15.2	21.0	15.7	18.2
27	4.7	1.3	3.0	12.5	7.3	10.0	20.9	13.2	17.0	22.4	15.5	19.0
28	6.6	2.8	4.7	11.2	9.6	10.4	20.9	14.7	17.8	24.1	17.7	20.9
29	7.3	2.8	5.1	11.7	7.3	9.4	18.1	14.1	15.9	24.7	18.7	21.7
30	---	---	---	9.2	7.1	8.2	18.7	11.8	15.2	25.0	18.7	21.6
31	---	---	---	7.9	5.0	6.5	---	---	---	23.5	18.0	20.7
MONTH	7.3	.0	2.4	12.5	2.1	6.8	20.9	4.4	12.8	25.0	9.7	17.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.6	15.8	19.6	26.9	21.1	23.8	28.3	22.2	25.2	21.2	18.3	19.7
2	24.9	17.4	21.1	27.5	20.4	23.8	26.5	21.7	23.8	21.7	15.7	18.6
3	25.4	18.2	21.8	26.2	20.7	23.5	26.9	21.4	24.0	22.0	15.8	18.8
4	25.9	18.1	22.0	26.2	19.0	22.6	27.6	22.2	24.5	19.7	16.1	18.1
5	26.3	19.2	22.8	26.2	19.0	22.6	28.0	21.4	24.1	21.4	14.9	18.1
6	26.2	19.0	22.7	26.8	18.8	22.8	28.5	18.9	24.1	19.5	16.4	18.1
7	26.3	19.2	22.8	26.5	19.4	22.8	---	---	e23.7	20.6	14.1	17.4
8	23.2	19.7	21.2	24.5	20.8	22.7	---	---	e24.1	20.9	16.5	18.4
9	20.5	17.2	18.9	26.0	20.3	23.0	---	---	e24.0	20.8	15.2	17.8
10	23.4	15.0	19.2	26.4	20.0	23.3	27.5	21.2	24.5	21.3	15.0	18.1
11	25.1	17.7	21.4	28.7	20.7	24.6	---	---	e24.0	20.6	15.5	18.0
12	23.4	18.5	21.1	28.8	21.7	25.3	28.8	22.1	25.1	21.6	15.2	18.4
13	24.5	17.4	20.9	29.8	22.4	26.2	29.1	21.9	25.1	22.1	16.1	19.1
14	25.7	17.6	21.3	28.6	22.8	25.9	26.8	21.8	23.8	22.6	16.6	19.6
15	23.6	18.2	20.6	26.6	23.2	25.1	---	---	e24.1	22.6	16.6	19.6
16	22.2	15.5	18.7	27.7	22.7	25.2	26.3	21.8	23.7	22.7	16.7	19.7
17	23.8	15.7	19.6	28.0	22.6	25.2	23.7	20.2	21.9	20.4	17.1	18.7
18	22.6	17.4	19.9	28.7	21.5	25.1	24.8	18.9	21.6	20.9	15.8	18.4
19	19.8	17.7	18.7	28.9	21.2	25.1	26.4	19.6	22.8	20.7	16.2	18.4
20	23.6	15.6	19.4	29.1	21.6	25.4	26.9	20.2	23.5	19.1	14.6	16.5
21	25.3	17.2	21.2	28.8	21.6	25.3	26.2	19.7	23.0	16.0	13.2	14.1
22	25.5	19.1	22.3	29.1	21.3	25.2	23.7	20.8	22.0	16.4	13.2	14.6
23	25.0	19.5	22.5	26.9	21.6	24.2	24.2	18.3	21.6	13.9	9.5	11.6
24	26.1	19.7	22.8	25.5	20.5	22.9	24.9	19.8	22.2	12.7	8.6	10.2
25	24.6	20.1	22.3	25.1	19.9	22.8	25.7	21.2	23.3	14.7	9.7	12.0
26	23.1	19.7	21.3	28.1	21.0	24.5	25.3	21.2	23.1	15.9	10.4	13.0
27	25.8	18.5	22.1	29.0	21.8	25.4	25.5	20.2	22.9	16.9	11.5	14.1
28	27.7	19.9	23.7	29.0	22.1	25.6	24.8	20.3	22.6	16.9	12.5	14.8
29	27.4	20.9	24.3	28.9	22.0	25.5	24.7	19.7	22.0	17.2	13.5	15.3
30	26.7	20.6	23.7	28.5	22.2	25.3	23.5	20.3	21.7	18.3	13.1	15.6
31	---	---	---	28.8	22.1	25.5	23.3	18.3	20.6	---	---	---
MONTH	27.7	15.0	21.3	29.8	18.8	24.4	---	---	23.3	22.7	8.6	16.8

e Estimated

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'44", long 109°10'41" , 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 October 27, 1959.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,160 ft^3/s, Jul 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)
Jun 1	1630	*3,200	*5.60				

Minimum daily discharge, 61 ft^3/s, Aug 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393	472	e420	e395	e470	447	466	1310	3020	408	162	399
2	408	474	e400	e390	e460	443	447	1240	2810	384	143	398
3	422	471	e390	e375	e460	437	425	1290	2410	387	e130	365
4	428	459	e400	e370	e450	434	427	1450	2080	405	e120	373
5	426	463	e385	e370	e450	430	404	1550	1840	361	e110	366
6	432	463	e380	e380	e450	e430	415	1690	1640	326	e100	334
7	429	463	e370	e400	e450	432	461	1820	1440	295	e86	334
8	454	464	e390	e420	e450	427	477	1890	1260	281	e76	320
9	462	456	407	e445	e440	453	483	1900	1110	337	e70	356
10	442	456	373	e480	e430	430	487	1650	1020	327	61	334
11	427	445	345	e520	e420	419	525	1400	966	367	66	339
12	416	442	449	e505	e420	420	569	1460	873	330	65	301
13	409	435	452	e500	e410	415	576	1440	767	279	76	261
14	406	437	418	e500	e410	443	614	1250	708	269	120	239
15	404	432	405	e485	e400	417	658	1110	682	285	119	229
16	412	439	413	e500	e390	431	680	1030	648	259	170	207
17	422	439	e410	e475	e380	439	735	968	542	255	231	192
18	437	435	e410	e475	e380	417	694	1040	502	308	199	187
19	427	464	e420	e485	e390	413	693	1110	517	326	475	214
20	462	463	e410	e475	e400	434	763	974	741	317	444	244
21	462	427	e420	e475	e400	415	750	860	790	268	310	231
22	463	474	e400	e485	e400	430	714	887	793	254	287	391
23	461	461	e390	e475	e385	425	718	1020	671	255	260	578
24	463	382	e400	e472	e380	421	e720	1290	564	225	234	557
25	463	328	e400	e470	e380	442	e740	1810	511	211	239	493
26	465	330	e400	e470	e390	439	e760	2230	514	197	304	496
27	457	470	e410	e470	e410	427	793	2500	535	209	271	457
28	452	548	e410	e480	e430	437	868	2500	508	179	272	439
29	477	526	e415	e475	451	465	1030	2210	488	190	318	431
30	505	461	e420	e468	---	503	1300	2430	455	183	365	427
31	505	---	e410	e470	---	481	---	2820	---	181	352	---
TOTAL	13691	13479	12522	14155	12136	13496	19392	48129	31405	8858	6235	10492
MEAN	442	449	404	457	418	435	646	1553	1047	286	201	350
MAX	505	548	452	520	470	503	1300	2820	3020	408	475	578
MIN	393	328	345	370	380	413	404	860	455	179	61	187
AC-FT	27160	26740	24840	28080	24070	26770	38460	95460	62290	17570	12370	20810

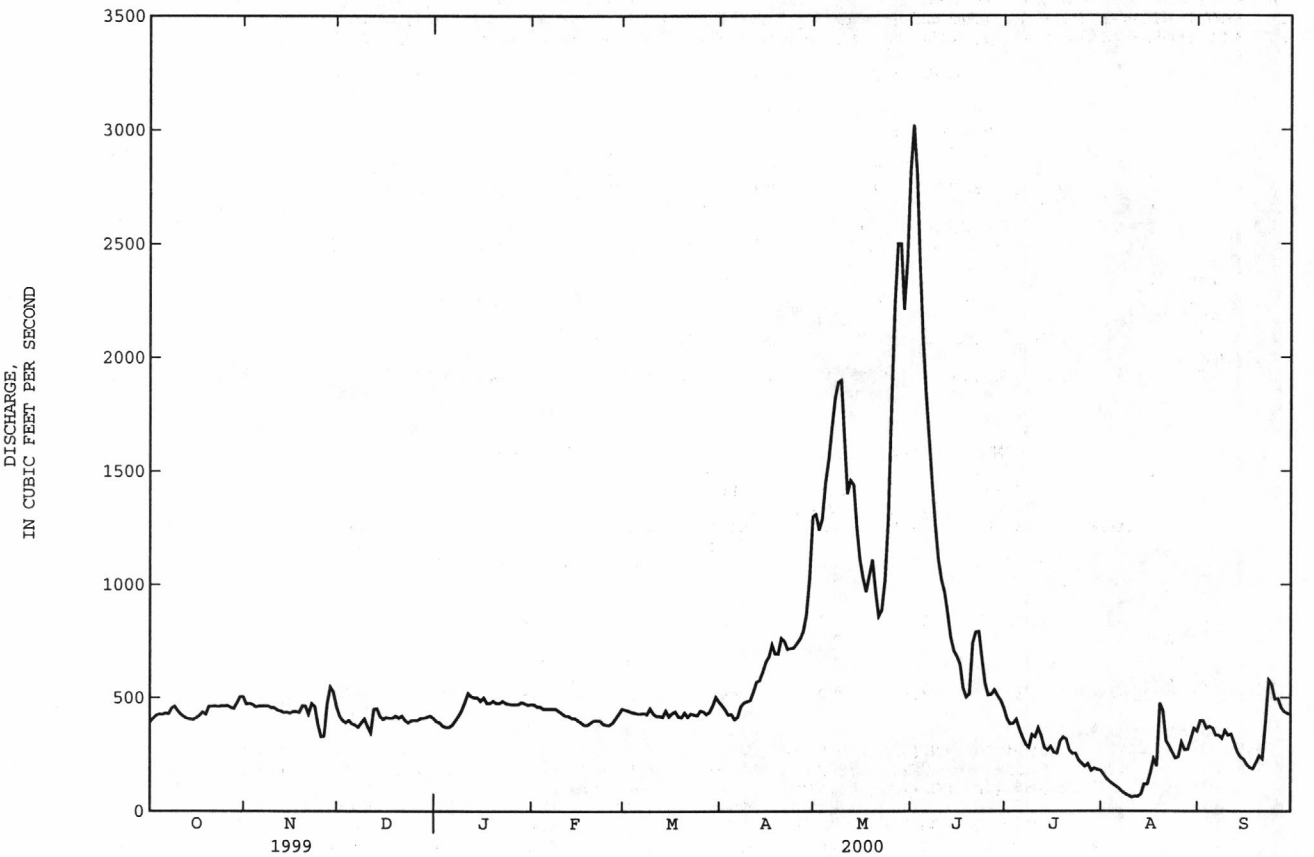
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927-79, 1986-2000, BY WATER YEAR (WY)

MEAN	472	432	367	358	428	581	713	1613	1834	730	478	442
MAX	1029	716	600	580	1414	1180	2466	3537	4018	2923	1915	1917
(WY)	1930	1998	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

09306500 WHITE RIVER NEAR WATSON, UTAH--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1924-79, 1986-2000	
ANNUAL TOTAL	269157		203990			
ANNUAL MEAN	737		557		704	
HIGHEST ANNUAL MEAN					1736	1929
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	3130	Jun 1	3020	Jun 1	8160	Jul 15 1929
LOWEST DAILY MEAN	282	Sep 12	61	Aug 10	13	Jul 3 1977
ANNUAL SEVEN-DAY MINIMUM	366	Sep 24	71	Aug 7	33	Jun 28 1977
ANNUAL RUNOFF (AC-FT)	533900		404600		510300	
10 PERCENT EXCEEDS	1580		1030		1600	
50 PERCENT EXCEEDS	513		434		450	
90 PERCENT EXCEEDS	400		251		290	

e Estimated



09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1950 to September 1979, October 1986 to September 1993.
WATER TEMPERATURE: 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 TEMPERATURE: Maximum recorded, 33.0°C, Jul 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, Sep 7, 8, 1989.
SEDIMENT LOADS: Maximum daily, 121,000 tons, Aug 8, 1987; minimum daily, 12 tons, Sep 7, 8, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT											
14...	0920	387	636	106	9.9	8.6	750	--	10.0	310	70
JUL											
12...	1850	322	637	105	7.2	8.3	700	28.5	25.0	270	68
AUG											
31...	1130	349	635	94	6.9	8.5	840	23.5	21.0	310	70

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
14...	33	1.6	1	51	26	194	14	.26	13	210
JUL										
12...	25	1.7	1	40	24	206	12	.32	11	160
AUG										
31...	33	2.5	2	63	30	233	18	.33	13	220

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)
OCT										
14...	<.020	<.050	<.010	<.010	.9	2.39	.67	516	494	504
JUL										
12...	<.020	<.050	<.010	<.010	2.0	2.22	.63	404	465	441
AUG										
31...	<.020	.081	<.010	<.010	1.4	2.20	.77	533	566	557

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT			
14...	0920	63	E1
JUL			
12...	1850	48	<2
AUG			
31...	1130	65	<2

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 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, Jun 17, 1993, gage height, 2.46 ft; no flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.00	e.00	e3.5	11	12	4.1
2	---	---	---	---	---	---	e.00	e.00	e3.4	11	7.3	3.2
3	---	---	---	---	---	---	e.00	e.00	e3.3	11	7.0	3.2
4	---	---	---	---	---	---	e.00	e.00	e3.3	12	7.0	2.9
5	---	---	---	---	---	---	e.00	e.00	e3.2	12	6.9	3.1
6	---	---	---	---	---	---	e.00	e.00	e3.2	14	7.6	3.1
7	---	---	---	---	---	---	e.00	e.30	e3.1	17	7.5	3.1
8	---	---	---	---	---	---	e.00	e.50	e3.0	15	7.5	3.1
9	---	---	---	---	---	---	e.00	e.20	e2.9	13	7.3	2.9
10	---	---	---	---	---	---	e.00	e.10	e2.9	14	7.3	3.0
11	---	---	---	---	---	---	e.00	e.07	e2.8	16	7.1	2.9
12	---	---	---	---	---	---	e.00	e.05	e2.8	17	7.0	2.9
13	---	---	---	---	---	---	e.00	e.04	e2.7	17	6.9	2.9
14	---	---	---	---	---	---	e.00	e.03	3.9	17	6.8	2.9
15	---	---	---	---	---	---	e.00	e.02	6.2	16	6.8	2.9
16	---	---	---	---	---	---	e.00	e.02	7.3	16	5.1	2.8
17	---	---	---	---	---	---	e.00	e.50	9.0	15	4.9	2.8
18	---	---	---	---	---	---	e.00	e.20	9.2	13	4.8	2.8
19	---	---	---	---	---	---	e.00	e.10	9.1	13	4.6	2.2
20	---	---	---	---	---	---	e.00	e.07	7.4	13	4.4	2.3
21	---	---	---	---	---	---	e.00	e.06	8.5	13	4.4	2.6
22	---	---	---	---	---	---	e.00	e.05	11	14	4.4	2.5
23	---	---	---	---	---	---	e.00	e.05	13	14	4.4	2.6
24	---	---	---	---	---	---	e.00	e2.0	13	13	4.3	2.6
25	---	---	---	---	---	---	e.00	e8.0	4.1	13	4.3	2.6
26	---	---	---	---	---	---	e.00	e4.0	13	13	4.3	2.3
27	---	---	---	---	---	---	e.00	e6.0	11	13	4.3	2.4
28	---	---	---	---	---	---	e.00	e4.4	11	13	4.2	2.3
29	---	---	---	---	---	---	e.00	e3.9	11	13	4.3	2.3
30	---	---	---	---	---	---	e.00	e3.7	11	12	4.6	2.4
31	---	---	---	---	---	---	---	e3.6	---	12	4.2	---
TOTAL	---	---	---	---	---	---	0.00	37.96	198.8	426	183.5	83.7
MEAN	---	---	---	---	---	---	.000	1.22	6.63	13.7	5.92	2.79
MAX	---	---	---	---	---	---	.00	8.0	13	17	12	4.1
MIN	---	---	---	---	---	---	.00	.00	2.7	11	4.2	2.2
AC-FT	---	---	---	---	---	---	.00	75	394	845	364	166

e Estimated

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW¼SE¼SW¼ sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 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, Sep 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 157 ft^3/s, May 4, gage height, 2.28 ft; minimum daily discharge, 1.4 ft^3/s, Jan 12, 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.0	3.7	1.7	2.9	3.1	e4.4	76	38	8.8	3.6	4.4
2	4.1	4.0	3.7	1.7	2.6	3.1	e4.6	94	32	8.2	3.7	4.0
3	3.9	4.0	4.0	1.7	2.5	3.7	5.0	108	30	7.5	3.8	3.3
4	4.0	4.1	3.6	1.5	2.4	3.5	6.8	119	28	7.0	3.7	3.0
5	4.1	3.9	3.4	1.8	2.3	3.7	8.7	114	26	7.0	3.6	3.1
6	4.0	3.9	3.3	1.6	2.2	e3.8	10	102	24	6.8	3.6	2.8
7	4.0	4.0	3.6	1.7	e2.1	e3.8	11	105	23	6.7	3.5	2.8
8	4.1	3.7	3.4	1.6	2.0	e3.3	14	106	23	6.7	3.3	2.9
9	4.2	3.9	2.9	1.7	1.9	e3.9	16	93	22	7.3	3.2	3.0
10	4.1	3.9	3.0	1.7	2.2	3.9	18	95	21	6.9	3.5	2.8
11	4.0	3.8	2.9	1.6	e2.2	e3.8	17	89	20	6.3	3.4	2.7
12	3.9	3.7	2.7	1.4	e2.4	3.9	19	75	19	6.5	3.1	2.7
13	3.9	3.7	e2.8	1.4	e2.5	e4.0	21	71	18	6.2	3.1	3.1
14	4.0	3.7	3.1	1.5	2.4	e3.9	24	67	17	5.8	2.9	3.1
15	3.8	3.9	2.8	1.6	e2.3	3.7	20	61	17	5.6	e3.2	3.1
16	3.5	4.7	2.7	1.7	e2.2	e3.5	15	58	16	5.8	e3.4	3.0
17	3.7	4.6	2.8	1.9	2.4	e3.7	15	55	16	5.8	3.6	3.2
18	3.9	4.1	2.8	3.1	2.5	e3.4	19	56	17	5.0	3.6	3.0
19	4.1	3.7	2.9	4.5	e2.2	e3.5	15	52	22	4.6	3.5	3.1
20	4.2	3.9	2.9	4.0	1.9	e3.6	14	51	14	4.5	3.2	3.1
21	4.1	e3.7	3.1	4.2	e2.0	e3.4	20	51	12	4.4	2.9	3.5
22	4.2	e3.8	2.9	4.0	e2.2	e3.6	28	51	11	4.2	2.9	4.2
23	4.1	e3.5	2.7	e3.2	e2.3	e3.8	35	50	10	4.2	3.5	4.5
24	4.1	3.5	2.5	3.5	e2.4	4.0	39	67	10	4.1	3.9	4.5
25	4.0	3.5	2.4	4.1	e2.4	4.1	40	77	12	4.0	3.5	4.1
26	4.1	3.7	2.3	4.3	e2.6	4.2	54	71	10	4.1	3.4	3.9
27	4.1	3.8	2.2	e3.2	2.8	5.5	75	61	11	3.9	3.4	3.4
28	4.2	3.8	2.0	e3.0	3.1	5.1	90	53	9.5	3.6	3.1	3.4
29	4.3	3.8	2.0	e3.2	3.1	e4.6	75	49	8.9	3.7	3.4	3.2
30	4.2	3.8	2.0	e3.0	---	e4.4	59	44	8.5	3.8	4.5	3.0
31	4.2	---	1.9	2.9	---	e4.0	---	40	---	3.8	5.1	---
TOTAL	125.5	116.1	89.0	78.0	69.0	119.5	792.5	2261	545.9	172.8	108.1	99.9
MEAN	4.05	3.87	2.87	2.52	2.38	3.85	26.4	72.9	18.2	5.57	3.49	3.33
MAX	4.4	4.7	4.0	4.5	3.1	5.5	90	119	38	8.8	5.1	4.5
MIN	3.5	3.5	1.9	1.4	1.9	3.1	4.4	40	8.5	3.6	2.9	2.7
AC-FT	249	230	177	155	137	237	1570	4480	1080	343	214	198

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	4.90	4.57	3.80	3.44	3.44	4.30	18.3	102	60.9	13.8	7.21	5.05
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	6844.4		4577.3			
ANNUAL MEAN	18.8		12.5		19.4	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	245	May 24	119	May 4	419	May 22 1984
LOWEST DAILY MEAN	1.1	Jan 8	1.4	Jan 12	.00	Sep 23 1966
ANNUAL SEVEN-DAY MINIMUM	1.1	Jan 7	1.6	Jan 8	.06	Sep 22 1966
ANNUAL RUNOFF (AC-FT)	13580		9080		14030	
10 PERCENT EXCEEDS	41		40		50	
50 PERCENT EXCEEDS	5.0		3.9		5.0	
90 PERCENT EXCEEDS	2.1		2.3		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 (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 4	2256	*268	*2.37				

Minimum daily discharge, 7.2 ft^3/s, Aug 13, 14, 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	e12	e12	e10	e11	e15	174	83	23	8.9	12
2	13	14	e11	e11	e11	e13	e18	190	77	23	9.3	12
3	13	16	e10	e10	e12	e12	e19	212	71	22	9.3	9.9
4	12	15	e10	e10	e14	e12	22	228	65	21	8.8	9.1
5	13	15	e11	e10	e12	e12	31	226	57	18	9.3	8.6
6	12	15	e11	e10	e12	e11	35	208	51	17	9.7	8.4
7	12	16	e11	e10	e13	e11	38	208	48	17	8.8	8.1
8	12	11	e10	e10	e14	e11	41	203	46	17	8.8	8.1
9	12	10	e10	e11	e13	e12	48	185	44	17	8.8	8.6
10	12	12	e10	e12	e13	e11	51	181	41	17	8.8	8.0
11	12	12	e10	e12	e12	e11	49	177	40	17	8.7	7.8
12	12	15	e10	e12	e12	e12	55	157	38	15	8.2	7.6
13	12	16	e11	e12	e11	e13	60	148	36	15	7.2	7.5
14	12	18	e10	e12	e11	e13	68	140	34	15	7.2	7.4
15	12	19	e10	e13	e13	e13	63	132	33	15	7.3	7.4
16	12	22	e11	e13	e12	e12	51	127	31	14	8.2	7.4
17	13	26	e11	e13	e11	e12	49	123	30	14	e8.8	7.5
18	12	20	e11	e14	e12	e12	59	124	33	12	9.0	8.1
19	13	22	e11	e14	e11	e12	50	116	43	11	8.7	8.0
20	13	12	e11	e13	e10	e14	46	110	33	10	8.0	7.9
21	12	e12	e10	e13	e11	e14	59	106	30	9.9	7.2	9.2
22	12	e10	e10	e12	e11	e12	70	104	29	9.6	7.5	13
23	13	e9.0	e11	e12	e10	e13	82	101	28	9.8	9.4	13
24	12	e9.0	e12	e12	e11	e13	91	126	28	9.8	11	13
25	12	e10	e13	e13	e11	e14	93	147	30	9.8	9.4	13
26	13	e11	e13	e13	e10	e15	112	133	29	9.8	9.0	11
27	12	e12	e12	e12	e10	e16	145	117	30	9.2	10	10
28	13	e12	e13	e11	e11	e15	170	104	27	8.8	9.2	9.4
29	13	e13	e13	e10	e12	e14	165	98	25	8.8	9.4	9.3
30	16	e13	e13	e10	---	e15	151	92	24	8.8	12	9.1
31	16	---	e13	e10	---	e14	---	88	---	8.8	17	---
TOTAL	391	431.0	345	362	336	395	2006	4585	1214	433.1	282.9	279.4
MEAN	12.6	14.4	11.1	11.7	11.6	12.7	66.9	148	40.5	14.0	9.13	9.31
MAX	16	26	13	14	14	16	170	228	83	23	17	13
MIN	12	9.0	10	10	10	11	15	88	24	8.8	7.2	7.4
AC-FT	776	855	684	718	666	783	3980	9090	2410	859	561	554

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	11.6	11.4	9.77	8.95	9.40	13.2	61.1	267	140	30.6	14.9	11.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	16309.2		11060.4			
ANNUAL MEAN	44.7		30.2		49.3	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	520	May 25	228	May 4	1310	May 22 1984
LOWEST DAILY MEAN	3.4	Feb 19	7.2	Aug 13	2.6	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	3.6	Feb 17	7.5	Sep 11	2.8	Jan 29 1979
ANNUAL RUNOFF (AC-FT)	32350		21940		35750	
10 PERCENT EXCEEDS	133		91		129	
50 PERCENT EXCEEDS	15		12		13	
90 PERCENT EXCEEDS	6.2		8.9		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."

GAGE.--Water-stage recorder. Elevation 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, Sep 8, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 15	0930	30	2.24	May 24	2230	*50	*2.46
Nov 19	0930	35	2.30				

Minimum daily discharge, 2.6 ft^3/s, Aug 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	8.4	e4.9	e5.6	e5.5	6.9	9.6	22	21	7.0	3.1	7.5
2	6.7	7.9	e5.4	e5.7	e5.6	6.7	10	24	19	6.7	3.1	7.4
3	6.9	7.6	e5.0	e5.8	e5.8	6.9	11	26	18	7.0	3.1	7.0
4	6.4	7.8	e5.2	e5.8	e6.1	7.5	13	29	17	7.4	3.2	7.2
5	6.6	7.7	e5.2	e6.0	e5.8	7.1	15	31	17	7.1	3.2	7.0
6	6.6	7.5	e5.3	e5.6	e5.8	6.9	14	30	16	6.7	2.6	7.0
7	6.5	7.5	e5.4	e5.6	e6.0	11	14	32	14	7.1	2.9	7.4
8	6.7	7.4	e5.4	e5.8	e6.0	7.1	14	31	14	6.4	3.8	8.1
9	6.9	7.4	e5.6	6.2	e6.0	6.7	15	28	14	6.3	3.4	8.4
10	6.8	7.2	e5.2	5.9	6.0	7.1	15	30	13	6.1	3.7	8.2
11	6.7	7.2	e5.7	5.8	6.1	8.7	15	31	12	5.8	3.6	8.4
12	6.7	6.3	e5.8	e6.0	6.0	7.2	16	26	12	5.5	6.0	8.5
13	6.7	6.5	e6.1	e6.0	6.6	7.5	16	24	11	5.2	7.4	8.4
14	6.8	9.1	e5.9	6.0	7.1	7.2	16	23	11	5.2	7.7	8.0
15	7.0	11	e6.0	6.1	7.0	7.1	15	22	10	5.3	7.6	8.5
16	6.9	7.1	6.2	6.1	8.1	13	14	24	11	5.6	e7.8	8.6
17	6.7	6.6	5.8	6.2	7.5	10	14	23	9.9	5.8	8.0	9.2
18	7.4	6.8	e6.0	7.9	6.4	11	16	22	11	4.7	7.9	9.2
19	6.8	13	6.1	8.2	e6.2	10	14	22	13	4.0	8.0	7.7
20	7.1	6.5	5.9	7.5	e6.0	10	15	23	10	3.9	7.3	8.1
21	8.1	e5.7	e5.8	7.2	7.2	13	15	24	9.0	3.9	7.1	9.9
22	8.2	e4.8	e5.5	6.8	7.2	11	15	25	8.0	3.8	7.6	10
23	8.3	e4.8	e5.7	e6.0	7.3	9.6	16	27	7.6	3.6	8.7	10
24	7.4	e5.4	e5.9	6.3	6.7	9.4	17	33	6.7	3.4	7.9	9.8
25	7.9	e6.0	e6.0	5.9	7.7	10	17	33	6.3	3.4	8.2	9.5
26	7.7	6.3	e5.9	6.4	e7.0	12	20	30	7.4	4.1	8.3	9.7
27	7.9	6.0	e5.6	6.3	e7.2	12	23	27	7.8	4.2	8.3	11
28	7.9	e5.5	e5.5	e6.0	7.1	11	25	26	7.1	3.1	8.1	10
29	7.9	e5.1	e5.4	e5.4	6.9	10	24	25	6.9	3.0	7.0	11
30	7.6	5.0	e5.4	e5.2	---	9.4	22	24	6.8	3.0	8.9	11
31	8.0	---	e5.5	e5.2	---	10	---	22	---	3.0	9.1	---
TOTAL	222.8	211.1	174.3	190.5	189.9	283.0	475.6	819	347.5	157.3	192.6	261.7
MEAN	7.19	7.04	5.62	6.15	6.55	9.13	15.9	26.4	11.6	5.07	6.21	8.72
MAX	8.3	13	6.2	8.2	8.1	13	25	33	21	7.4	9.1	11
MIN	6.4	4.8	4.9	5.2	5.5	6.7	9.6	22	6.3	3.0	2.6	7.0
AC-FT	442	419	346	378	377	561	943	1620	689	312	382	519

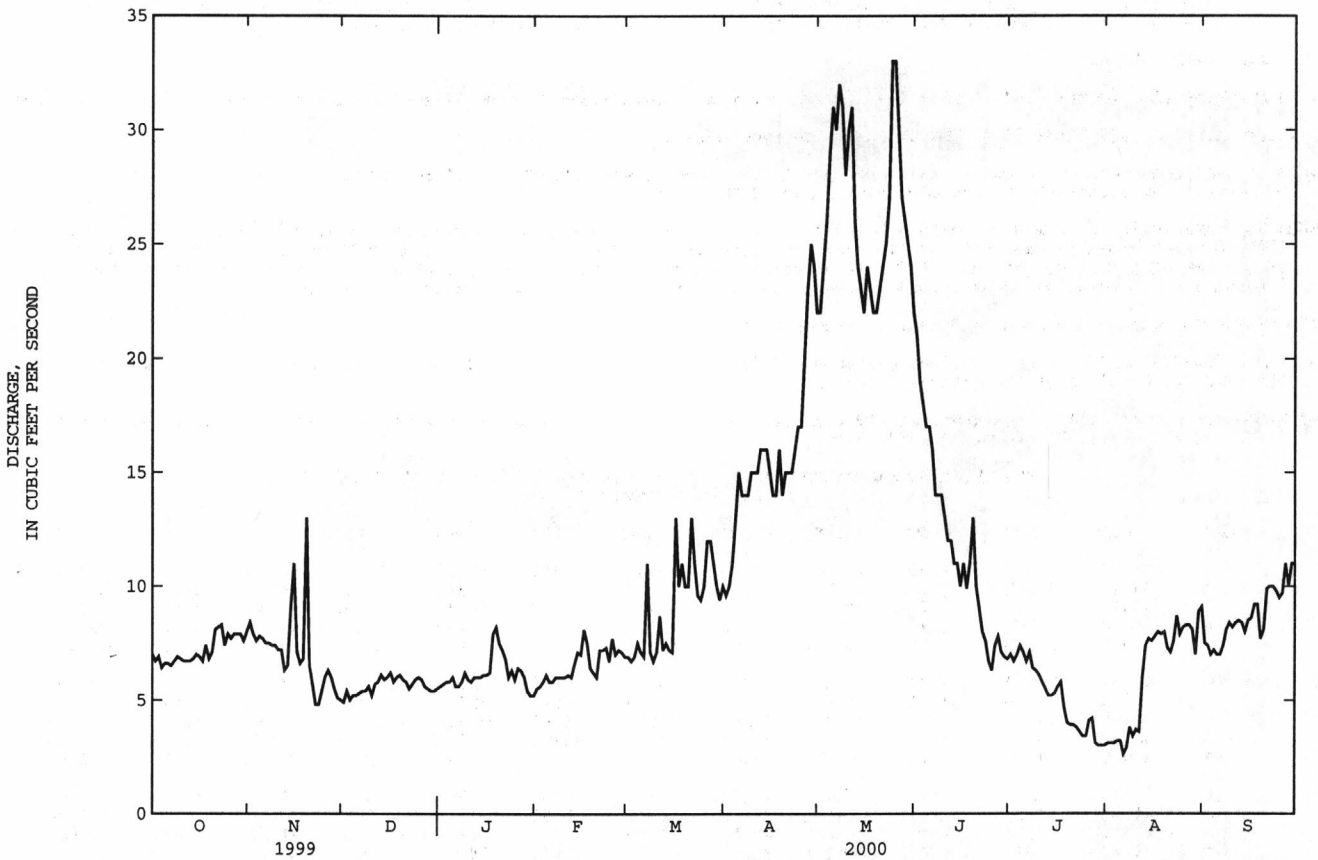
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-2000, BY WATER YEAR (WY)

MEAN	7.14	6.51	5.69	5.48	5.74	8.01	16.9	57.7	48.4	12.7	7.93	8.01
MAX	12.2	10.3	9.51	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1979-86, 1991-2000	
ANNUAL TOTAL	5275.1		3525.3			
ANNUAL MEAN	14.5		9.63		15.9	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	108	May 29	33	May 24	300	May 24 1984
LOWEST DAILY MEAN	4.2	Apr 6	2.6	Aug 6	1.6	Sep 8 1979
ANNUAL SEVEN-DAY MINIMUM	4.4	Apr 4	3.0	Aug 1	1.6	Jan 11 1980
ANNUAL RUNOFF (AC-FT)	10460		6990		11500	
10 PERCENT EXCEEDS	34		20		36	
50 PERCENT EXCEEDS	7.7		7.2		7.4	
90 PERCENT EXCEEDS	5.1		5.2		3.7	

e Estimated

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



09311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in NW$^1/_4$SE$^1/_4$ 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 November 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 November 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, Jun 12-13, 1983; elevation, 7,621.8 ft; minimum observed, 280 acre-ft, Oct 3, 1945; elevation, 7,586.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 54,150 acre-ft, May 15-30, elevation, 7,613.3 ft; minimum observed, 25,750 acre-ft, Sep 30, elevation, 7601.5 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43770	39540	39200	40020	41540	43640	45400	50200	53910	44950	35020	27260
2	43570	39440	39250	40050	41610	43720	45510	50390	53780	44700	34650	27190
3	43570	39340	39270	40100	41660	43790	45610	50800	53590	44440	34530	27130
4	43570	39250	39290	40120	41710	43670	45710	51220	53350	44070	34420	27080
5	42950	39250	39320	40140	41780	43770	45810	51640	e53350	43820	33030	27040
6	42750	39250	39340	40290	41860	43870	45910	52060	e52430	43490	32730	27000
7	42570	39200	39370	40290	41910	43970	46090	52430	52430	43170	32440	26960
8	42400	39200	39390	40340	41960	44070	46290	e52430	e52430	42820	32140	26850
9	42230	39150	39420	40390	41980	44170	46500	53350	e51640	42350	31850	26870
10	42050	39150	39440	40440	42200	44270	46700	53560	51640	42130	31550	26830
11	41880	39130	39460	40460	42280	44370	46900	e53560	51320	41780	31260	26780
12	41730	39100	39490	40510	42350	44470	47060	e54010	50980	41460	30970	26760
13	41590	39080	39540	40560	42400	44600	47260	54010	e50980	41100	30650	26760
14	41440	39080	39560	40610	42470	44600	47470	54090	e50980	40730	30250	26120
15	41240	39050	39580	40660	42550	44620	47620	54150	e50980	40390	29870	26120
16	41050	39050	39630	40700	42620	44620	47770	54150	e48260	40050	29470	26120
17	40850	39050	39660	40750	42700	44650	48180	e54150	e48260	39030	29070	26120
18	40660	39050	39680	40800	42770	44650	48260	e54150	e48260	39880	28680	26140
19	40560	39000	39710	40850	42850	44670	48340	e54150	e48260	39440	28330	26140
20	40410	39000	39730	40900	42900	44720	48420	e54150	48260	39000	27340	26140
21	40310	39050	39750	40950	42970	44770	48500	54150	e48260	38550	27450	26160
22	40220	39050	39780	41000	43050	44820	48570	e54150	e47080	38240	27450	26160
23	40120	39080	39800	41050	43120	44870	48650	e54150	47080	37920	27450	26180
24	40020	39080	39830	41100	43190	44920	48730	e54150	e47080	37610	27450	26180
25	39920	39100	39850	41140	43270	44970	48800	e54150	e47080	37300	27450	26180
26	39830	39100	39880	41190	43370	45020	48880	e54150	e45890	37000	27450	26200
27	39780	39130	39900	41240	43440	45080	49040	e54150	e45890	36690	27450	25950
28	39730	39130	39920	41290	43520	45120	49350	e54150	45890	36380	27450	25880
29	39680	39130	39950	41360	43570	45180	49420	e54150	45840	36080	27390	25820
30	39630	39150	39970	41410	---	45230	49500	54150	45330	35820	27320	25750
31	39580	---	40000	41490	---	45300	---	54070	---	35420	27300	---
MAX	43800	39500	40000	41500	43600	45300	49500	54200	53900	45000	35000	27300
MIN	39600	39000	39200	40000	41500	43600	45400	50200	45300	35400	27300	25800
(#)	7607.6	7607.4	7607.8	7608.4	7609.2	7609.9	7611.5	7613.3	7609.9	7605.8	7602.2	7601.5
(*)	-6820	-430	+850	+1490	+2080	+1730	+4200	+4570	-8740	-9910	-8120	-1550

CAL YR 1999.....(*) -15,188
WTR YR 2000.....(*) -20,650

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

09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UT

LOCATION.--Lat 39°52'33", long 111°02'12", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ 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 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 height (ft)
(a)Jun 6	1630	*72	*2.09				

Minimum discharge, .88 ft^3/s, Aug 22.
(a)Peak is estimated.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.3	e3.9	e5.4	e4.0	e2.4	e4.0	e21	57	e23	e5.8	e1.7	3.0
2	e4.3	e3.9	e5.0	e3.8	e2.6	e4.0	e22	57	e22	e5.7	2.1	2.7
3	e4.1	4.0	e4.8	e3.5	e2.7	e3.7	e23	57	e20	e5.5	3.3	2.1
4	e3.9	3.7	e4.4	e3.3	e2.8	e4.5	e25	59	e19	e5.5	3.8	1.8
5	e4.0	3.6	e4.0	e3.4	e2.4	e6.4	e27	59	e18	e5.2	2.9	1.7
6	e4.0	3.6	e4.2	e3.3	e2.5	e5.8	e30	58	e17	e5.0	2.3	1.5
7	e4.1	3.6	e4.2	e3.4	e2.6	e5.4	e37	56	e19	e4.6	1.9	1.6
8	e4.2	3.6	e4.0	e3.4	e2.6	e6.0	e35	59	e17	e4.4	1.8	1.8
9	e4.1	3.6	e3.8	e3.4	e2.4	e6.0	e36	e52	e16	e4.2	1.9	1.7
10	e4.0	3.6	e4.0	e3.5	e2.6	e5.6	e37	e48	e15	e4.1	2.0	1.6
11	e4.0	3.5	e3.8	e3.7	e2.6	e6.0	e37	e45	e14	e4.0	2.0	1.4
12	e4.0	3.7	e3.5	e3.6	e2.3	e7.0	e36	e41	e13	e3.8	1.9	1.4
13	e3.9	4.0	e3.8	e3.4	e2.1	e6.6	e38	e36	e12	e3.7	e1.4	1.3
14	e4.0	e4.0	e3.5	e3.5	e2.1	e6.9	e39	e33	e12	e3.7	e1.3	1.3
15	e4.1	e4.0	e3.8	e3.5	e2.2	e6.9	e43	e32	12	e3.6	1.3	1.2
16	e4.2	e4.0	e4.1	e3.3	e2.2	e6.6	e46	e31	e11	e3.6	1.5	1.2
17	e4.3	4.0	e4.3	e3.5	e2.3	e7.0	e44	e31	e10	e3.5	1.9	1.2
18	e4.4	4.4	e4.5	e3.7	e2.4	e6.8	e46	e30	e9.6	e3.5	1.9	1.4
19	e4.3	e4.0	e4.2	e3.7	e2.1	e7.0	e46	e30	e9.2	e3.4	1.9	1.6
20	e4.3	e4.1	e3.9	e3.5	e2.3	e6.4	43	e30	e9.0	3.0	1.6	1.6
21	e4.3	e3.9	e4.0	e3.6	e3.0	e6.4	43	e29	e8.6	2.7	1.2	2.1
22	e4.3	e3.5	e3.6	e3.3	e2.8	e8.0	44	e28	e8.2	2.6	1.1	4.7
23	e4.2	e3.5	e3.8	e3.0	e2.7	e9.2	49	e27	e7.6	2.5	1.4	5.0
24	e4.3	e4.0	e4.0	e2.5	e2.9	e11	53	e33	e7.3	2.1	1.7	3.9
25	e4.1	4.5	e4.2	e2.7	e2.6	e16	52	e40	e7.0	2.3	1.8	3.4
26	e4.1	4.7	e4.2	e3.0	e2.5	e19	52	e35	e6.8	3.2	2.2	3.5
27	e4.1	5.2	e4.1	e2.7	e2.8	e23	55	e33	e6.6	2.8	2.5	2.8
28	e4.1	4.5	e4.3	e2.2	e3.2	e26	59	e31	e6.3	2.1	2.3	2.5
29	e4.0	4.3	e4.5	e2.0	e3.5	e24	60	e29	e6.0	e2.0	2.2	2.4
30	e4.0	3.3	e4.3	e2.0	---	e23	59	e27	e5.9	e1.8	2.7	2.4
31	e4.0	---	e4.0	e2.2	---	e20	---	e25	---	e1.7	3.3	---
TOTAL	128.0	118.2	128.2	99.6	74.2	304.2	1237	1238	368.1	111.6	62.8	65.8
MEAN	4.13	3.94	4.14	3.21	2.56	9.81	41.2	39.9	12.3	3.60	2.03	2.19
MAX	4.4	5.2	5.4	4.0	3.5	26	60	59	23	5.8	3.8	5.0
MIN	3.9	3.3	3.5	2.0	2.1	3.7	21	25	5.9	1.7	1.1	1.2
AC-FT	254	234	254	198	147	603	2450	2460	730	221	125	131

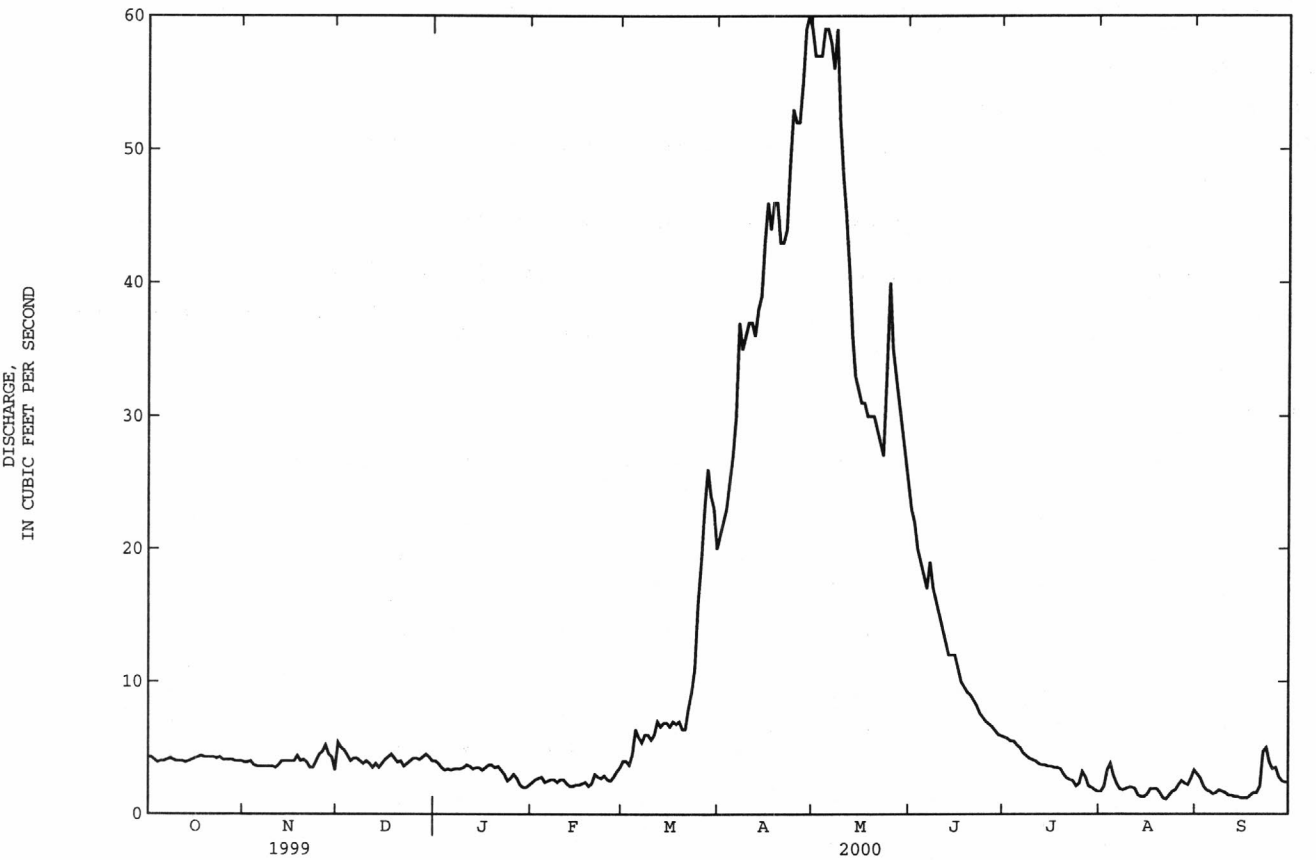
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2000, BY WATER YEAR (WY)

MEAN	5.78	5.35	4.45	4.06	4.86	13.5	63.0	156	54.7	15.4	7.17	5.08
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1968 - 2000	
ANNUAL TOTAL	6860.6		3935.7			
ANNUAL MEAN	18.8		10.8		28.4	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	170	May 29	60	Apr 29	927	May 27 1983
LOWEST DAILY MEAN	2.8	Feb 11	1.1	Aug 22	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	3.0	Feb 10	1.3	Sep 11	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	13610		7810		20600	
10 PERCENT EXCEEDS	56		36		73	
50 PERCENT EXCEEDS	5.0		4.0		6.6	
90 PERCENT EXCEEDS	3.6		1.9		2.5	

e Estimated

09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UT--Continued



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. Elevation 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 good 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, Sep 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, 257 ft^3/s, May 25, gage height, 5.04 ft; minimum daily discharge, 5.9 ft^3/s, Jan 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	55	e13	e7.8	e8.0	13	33	151	194	164	157	42
2	106	54	e9.0	e6.6	e9.5	13	35	157	197	161	162	43
3	106	53	e9.0	e6.0	e11	11	37	179	194	159	173	35
4	98	51	e8.0	e5.9	e13	14	44	183	196	160	180	32
5	96	51	e7.0	e6.4	e10	19	61	189	203	160	180	32
6	97	42	e7.6	e6.0	e11	17	74	187	201	156	177	30
7	98	41	e7.6	e6.2	e12	14	79	189	198	162	176	29
8	97	39	e6.6	e6.2	e12	15	78	213	207	164	175	50
9	94	39	e6.5	e6.5	e11	15	81	206	206	180	175	38
10	94	31	e7.2	e6.7	e12	13	82	196	206	183	176	30
11	94	28	e6.8	e7.1	e12	13	76	194	209	182	175	31
12	94	28	e6.4	e6.5	e11	16	76	188	207	177	174	28
13	91	30	e7.0	e6.5	e10	13	81	181	206	171	174	28
14	93	28	e6.4	e6.9	e10	14	88	195	203	157	177	28
15	94	27	e6.8	e6.9	e11	15	105	186	202	167	179	28
16	97	28	e7.4	e6.7	e11	12	105	193	201	168	177	28
17	97	28	e7.7	e8.0	e12	15	98	201	201	167	179	29
18	98	29	e8.1	e9.0	12	13	106	200	206	158	180	29
19	81	27	e7.7	e9.0	9.2	14	105	197	218	152	181	29
20	78	28	e7.0	e8.1	10	12	97	194	210	146	140	29
21	77	27	e7.0	e8.6	13	12	116	192	203	145	122	31
22	77	e24	e6.4	e8.0	12	15	121	187	199	151	89	46
23	74	e20	e6.7	e7.5	11	19	131	184	199	150	50	38
24	75	e20	e7.0	e7.0	12	21	131	213	186	150	29	34
25	61	e21	e7.5	e8.0	9.4	28	130	237	186	150	30	29
26	60	e22	e7.7	e8.5	e8.8	39	130	218	187	151	30	29
27	61	23	e7.4	e7.5	e10	47	136	208	181	149	35	29
28	62	18	e7.8	e6.8	12	55	154	202	173	148	32	28
29	60	16	e8.1	e6.5	12	46	159	194	170	147	29	28
30	59	e15	e7.7	e6.6	---	41	157	183	164	149	70	28
31	55	---	e7.6	e6.9	---	31	---	180	---	158	54	---
TOTAL	2630	943	233.7	220.9	317.9	635	2906	5977	5913	4942	4037	968
MEAN	84.8	31.4	7.54	7.13	11.0	20.5	96.9	193	197	159	130	32.3
MAX	106	55	13	9.0	13	55	159	237	218	183	181	50
MIN	55	15	6.4	5.9	8.0	11	33	151	164	145	29	28
AC-FT	5220	1870	464	438	631	1260	5760	11860	11730	9800	8010	1920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81, 1991-2000, BY WATER YEAR (WY)

MEAN	46.9	18.4	12.4	10.3	13.9	42.8	160	341	258	194	134	89.4
MAX	153	90.7	30.1	18.4	33.1	181	523	1538	913	321	260	178
(WY)	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1935-69,1980-81,1991-2000	
ANNUAL TOTAL	34469.7		29723.5			
ANNUAL MEAN	94.4		81.2		111	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	370	Jun 8	237	May 25	2040	Apr 28 1952
LOWEST DAILY MEAN	6.4	Dec 12	5.9	Jan 4	.90	Aug 18 1961
ANNUAL SEVEN-DAY MINIMUM	6.7	Dec 8	6.2	Jan 3	2.4	Nov 7 1934
ANNUAL RUNOFF (AC-FT)	68370		58960		80100	
10 PERCENT EXCEEDS	210		194		256	
50 PERCENT EXCEEDS	75		46		52	
90 PERCENT EXCEEDS	14		7.5		8.0	

e Estimated

09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ sec. 15, T. 21 S., R. 16 E., Emery County, Hydrologic Unit 14060008, on right bank 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 November 6, 1914, staff, wire-weight, or chain gages at several sites within 7 mi of present site at various datums. November 6, 1914 to June 20, 1924, water-stage recorder at site 7 mi downstream at different datum. June 21 to September 18, 1924, chain gage, and September 19, 1924 to May 7, 1947, water-stage recorder at site 100 ft downstream at present datum. May 8, 1947 to September 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 November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft^3/s, Jun 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 (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 3	1245	*18,600	*10.94	No other peak greater than base discharge.			

Minimum discharge, 1,360 ft^3/s, Aug 11, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3860	3700	4010	e2610	3620	3530	4430	7460	16300	3350	1690	1910
2	3860	3720	4060	e2500	3650	3490	4630	8820	17400	3270	1650	2100
3	3840	3710	4070	e2390	3660	3450	4880	9940	18400	3130	1640	2020
4	3780	3710	4070	e2390	3650	3500	4980	10100	17700	2960	1630	2090
5	3740	3750	4050	e2450	3490	3540	4820	9860	16500	2820	1600	2040
6	3740	3750	3910	e2230	3370	3540	4510	10100	14800	2700	1560	1950
7	3760	3690	3750	e2250	3310	3540	4280	11200	13500	e2600	1550	1920
8	3750	3660	3730	e2240	3330	3560	4230	12300	12800	e2530	1540	1930
9	3680	3650	3730	e2240	3370	3600	4170	13000	11900	e2430	1510	1890
10	3680	3660	3720	e2260	3440	3610	4110	13500	10900	e2320	1490	1880
11	3740	3650	3620	e2280	3540	3630	4970	13000	10200	2240	1490	1950
12	3760	3650	3650	e2400	3640	3720	5860	12000	9440	2220	1470	1900
13	3720	3660	3550	e3200	3720	3720	5690	10800	8720	2210	1440	1830
14	3690	3650	e3450	e3400	3830	3760	5520	10100	7990	2250	1410	1790
15	3620	3650	3410	e3440	3850	3730	6010	11200	7090	2220	1400	1750
16	3580	3670	3400	4150	3860	3660	6460	10500	6270	2170	1410	1690
17	3580	3880	3210	4010	3860	3640	6630	9130	5540	2320	1540	1650
18	3580	3910	2970	3980	3750	3610	6910	8300	5250	2260	1490	1620
19	3640	3800	3020	4140	3740	3660	7150	7980	4930	2200	1460	1600
20	3730	3730	3050	4300	3740	3690	7210	8460	4670	2110	1520	1550
21	3850	3750	3250	4630	3640	3750	6690	9650	4650	2030	1760	1540
22	3820	3750	3460	4300	3590	3740	6280	10100	4350	1980	1800	1620
23	3780	3770	3390	4010	3580	3580	6930	9410	4200	1940	1750	1660
24	3710	3780	3290	4000	3660	3560	6810	9140	4090	1870	1660	2290
25	3650	3830	3220	3940	3660	3670	6440	9310	4400	1820	1580	2280
26	3640	3750	e3100	3980	3600	3690	6470	10500	4310	1860	1580	2180
27	3660	3680	2960	4030	3590	3760	7060	12900	3960	1880	1560	2120
28	3740	3690	2920	4040	3530	3800	8080	15700	3780	1820	1570	1970
29	3710	3710	2930	4040	3530	3800	8210	16600	3640	1780	1610	2050
30	3650	3850	2770	3910	---	4040	7350	17200	3510	1740	1740	2500
31	3670	---	e2700	3660	---	4310	---	16800	---	1700	1710	---
TOTAL	115210	111810	106420	103400	104800	113880	177770	345060	261190	70730	48810	57270
MEAN	3716	3727	3433	3335	3614	3674	5926	11130	8706	2282	1575	1909
MAX	3860	3910	4070	4630	3860	4310	8210	17200	18400	3350	1800	2500
MIN	3580	3650	2700	2230	3310	3450	4110	7460	3510	1700	1400	1540
AC-FT	228500	221800	211100	205100	207900	225900	352600	684400	518100	140300	96810	113600

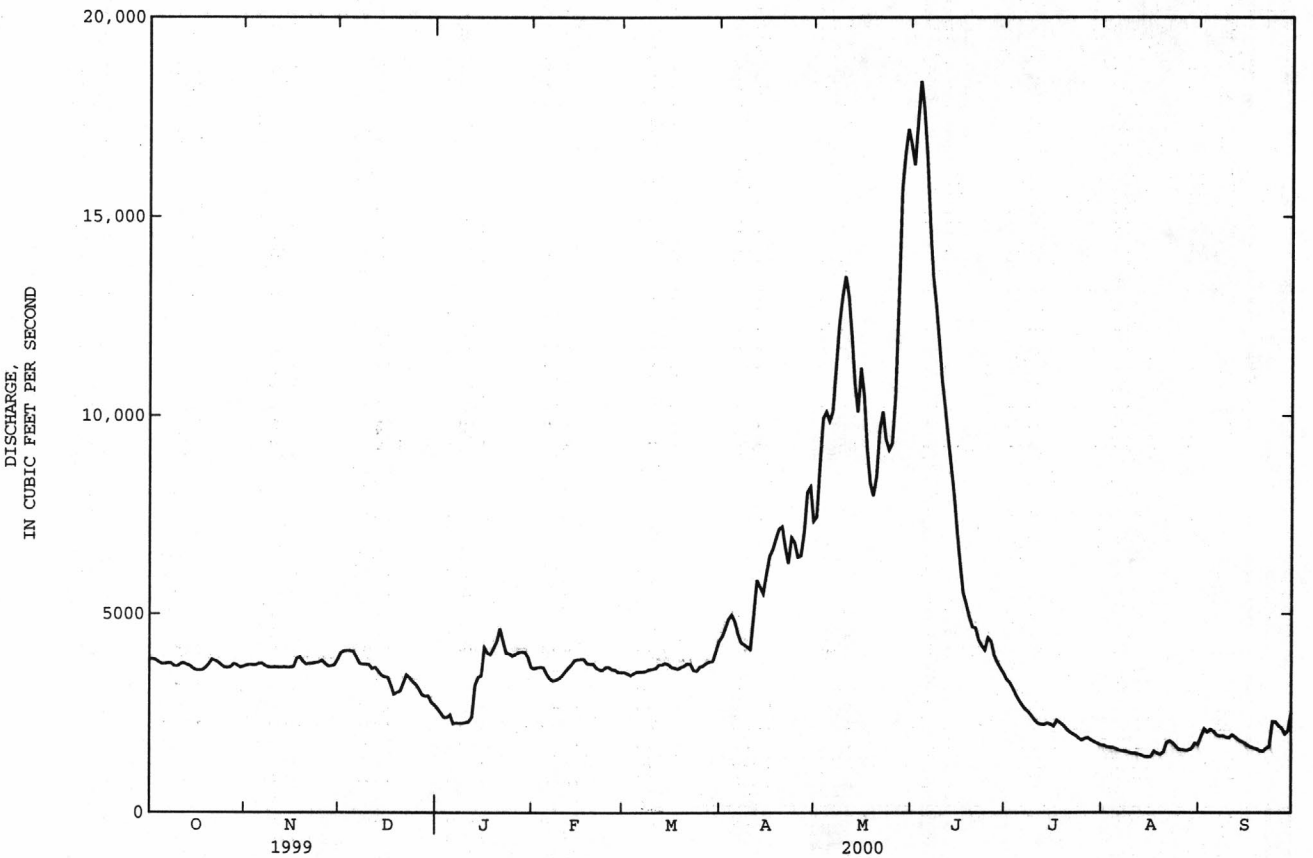
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2000, BY WATER YEAR (WY)

MEAN	3085	2961	2432	2383	2911	4670	7415	15520	18850	7902	3709	2880
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

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1906 - 2000	
ANNUAL TOTAL	2624740		1616350			
ANNUAL MEAN	7191		4416		6232	
HIGHEST ANNUAL MEAN					12280	1907
LOWEST ANNUAL MEAN					1805	1934
HIGHEST DAILY MEAN	26800	Jun 22	18400	Jun 3	66700	Jun 27 1917
LOWEST DAILY MEAN	2700	Dec 31	1400	Aug 15	380	Dec 5 1934
ANNUAL SEVEN-DAY MINIMUM	2940	Dec 25	1440	Aug 10	419	Jul 30 1934
ANNUAL RUNOFF (AC-FT)	5206000		3206000		4515000	
10 PERCENT EXCEEDS	15300		9190		15200	
50 PERCENT EXCEEDS	4460		3660		3540	
90 PERCENT EXCEEDS	3650		1730		1550	

e Estimated



09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

LOCATION.--Daily samples collected at gage site.

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 TEMPERATURE: 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, Jun 30, 1978.
WATER TEMPERATURE: 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, Jul 11, 1936; minimum daily, 19 mg/L, Sep 30, 1974.
SEDIMENT LOADS: Maximum daily, 2,230,000 tons, Jul 11, 1936; minimum daily, 54 tons, Sep 27, 1956.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 960 microsiemens, Sep 29; minimum observed, 330 microsiemens, May 11, 13, Jun 5.
WATER TEMPERATURE: Maximum observed, 29.0°C, Jul 29, Aug 2, 8, 11, 12; minimum observed, 0.0°C, on several days in Dec and Jan.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT											
18...	1130	ENVIRONMENTAL	3460	--	656	100	9.8	8.4	780	4.0	9.5
NOV											
22...	1230	ENVIRONMENTAL	3750	.048	650	99	11.0	8.4	800	4.5	4.0
DEC											
14...	1330	ENVIRONMENTAL	3870	.047	658	106	13.3	8.3	770	-2.5	.0
MAR											
22...	1100	ENVIRONMENTAL	3780	.052	652	100	10.8	7.3	780	6.0	5.5
APR											
25...	1200	ENVIRONMENTAL	6410	.085	655	97	8.6	8.2	550	11.0	13.5
MAY											
25...	1100	ENVIRONMENTAL	9450	.087	645	97	7.7	8.0	435	16.0	18.5
JUN											
29...	1100	ENVIRONMENTAL	3690	.056	649	97	7.2	8.4	500	24.0	22.0
29...	1110	REPLICATE	3690	.055	649	97	7.2	8.4	500	24.0	22.0
JUL											
24...	1130	ENVIRONMENTAL	1890	.058	650	95	6.7	8.5	740	28.0	24.5
AUG											
21...	1100	ENVIRONMENTAL	1720	.060	650	94	6.8	8.4	760	26.0	23.0
SEP											
11...	0930	ENVIRONMENTAL	1930	.066	651	101	8.0	8.5	800	17.0	18.5

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT											
18...	270	96	63	28	2.4	2	62	33	176	202	7
NOV											
22...	260	89	56	29	2.6	2	67	36	172	197	6
DEC											
14...	280	98	63	29	2.1	2	62	33	178	217	0
MAR											
22...	290	120	64	31	2.4	2	65	33	163	199	0
APR											
25...	190	72	43	19	2.0	1	39	31	113	138	0
MAY											
25...	150	44	37	14	1.7	1	34	33	106	129	0
JUN											
29...	160	44	39	16	2.2	1	36	32	120	136	5
29...	170	44	40	16	2.1	1	36	32	122	138	5
JUL											
24...	--	--	--	--	--	--	--	--	161	182	7
AUG											
21...	250	99	55	27	3.1	2	66	36	149	172	5
SEP											
11...	270	100	62	28	2.9	2	70	36	170	188	9

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT											
18...	21	.29	4.7	210	<.020	.17	.28	--	<.050	--	<.010
NOV											
22...	22	.29	4.8	220	<.020	.16	.23	.23	.067	.30	<.010
DEC											
14...	22	.26	6.0	210	<.020	.18	.31	.27	.090	.40	<.010
MAR											
22...	22	.31	5.6	220	<.020	E.10	.45	--	.127	.57	<.010
APR											
25...	12	.22	8.4	140	<.020	.21	.98	.37	.157	1.1	<.010
MAY											
25...	12	.19	8.0	95	<.020	.18	.71	.26	.076	.79	<.010
JUN											
29...	12	.24	6.4	110	<.020	.20	.41	--	<.050	--	<.010
29...	12	.28	6.3	110	<.020	.19	.38	--	<.050	--	<.010
JUL											
24...	--	--	--	--	<.020	.20	.38	--	<.050	--	<.010
AUG											
21...	25	.32	2.9	210	<.020	.21	.37	--	<.050	--	<.010
SEP											
11...	26	.32	4.8	210	<.020	.22	.55	--	<.050	--	<.010

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	UV ABSORBANCE 254 NM, WTR FLT (UNITS /CM) (50624)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)
OCT											
18...	--	E.003	<.001	.045	.073	6.90	.70	4840	518	500	20
NOV											
22...	--	<.006	<.001	.026	.069	6.96	.74	5510	544	504	7.5
DEC											
14...	--	E.005	<.001	.068	.068	6.96	.71	5450	522	500	22
MAR											
22...	--	<.006	<.001	.056	.075	6.93	.71	5360	525	505	24
APR											
25...	.02	.008	.007	.213	.118	7.77	.50	6300	364	329	200
MAY											
25...	.03	.011	.009	.511	.119	8.63	.37	6990	274	266	230
JUN											
29...	.01	.006	.004	.103	.087	6.81	.43	3150	316	296	41
29...	.01	.007	.002	.100	.085	6.81	.43	3160	317	296	40
JUL											
24...	.01	<.006	.002	.105	.083	5.93	--	--	--	--	--
AUG											
21...	--	E.004	<.001	.086	.077	5.86	.69	2350	506	475	.55
SEP											
11...	M	E.004	.001	.176	.095	5.96	.71	2710	521	505	1.5

DATE	TIME	SAMPLE TYPE	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)
OCT											
18...	1130	ENVIRONMENTAL	--	--	E1	--	--	138	--	--	--
NOV											
22...	1230	ENVIRONMENTAL	--	--	E2	--	--	131	--	--	--
DEC											
14...	1330	ENVIRONMENTAL	<1.0	<1.0	<2	66	<1.0	127	<1.0	<.80	<1.0
MAR											
22...	1100	ENVIRONMENTAL	<1.0	<1.0	E1	70	<1.0	118	<1.0	<1.0	<1.0
APR											
25...	1200	ENVIRONMENTAL	--	--	<2	--	--	68	--	--	--
MAY											
25...	1100	ENVIRONMENTAL	2.3	<1.0	3	42	<1.0	59	<1.0	<.80	<1.0
JUN											
29...	1100	ENVIRONMENTAL	--	--	E1	--	--	71	--	--	--
29...	1110	REPLICATE	--	--	E1	--	--	71	--	--	--
JUL											
24...	1130	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--
AUG											
21...	1100	ENVIRONMENTAL	3.4	<1.0	E1	72	<1.0	120	<1.0	E.59	<1.0
SEP											
11...	0930	ENVIRONMENTAL	--	--	E1	--	--	137	--	--	--

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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												
18...	--	<10	--	30	--	--	--	<2	--	683	<10	--
NOV												
22...	--	<10	--	26	--	--	--	E2	--	757	<10	--
DEC												
14...	1.4	<10	<1.0	27	3.2	3.2	1.5	<2	<1.0	698	<10	1.4
MAR												
22...	1.8	<10	<1.0	29	1.3	3.1	1.6	E2	<1.0	687	<10	1.6
APR												
25...	--	<10	--	17	--	--	--	E1	--	450	<10	--
MAY												
25...	1.9	<10	<1.0	13	<1.0	2.0	1.3	E2	<1.0	348	<10	5.6
JUN												
29...	--	<10	--	16	--	--	--	<2	--	385	<10	--
29...	--	<10	--	16	--	--	--	<2	--	391	<10	--
JUL												
24...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
21...	1.7	<10	<1.0	26	<1.0	3.5	1.3	<2	<1.0	632	<10	1.8
SEP												
11...	--	<10	--	25	--	--	--	<2	--	733	<10	--

DATE	TIME	SAMPLE TYPE	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)
OCT											
18...	1130	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
NOV											
22...	1230	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
DEC											
14...	1330	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
MAR											
22...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
APR											
25...	1200	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
MAY											
25...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
JUN											
29...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
29...	1110	REPLICATE	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
JUL											
24...	1130	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
AUG											
21...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
SEP											
11...	0930	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0100

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT											
18...	3.6	.60	<.0040	<.0040	<.0020	<.0020	120	<.002	<.001	<.0170	<.0020
NOV											
22...	3.6	.30	<.0040	<.0040	<.0020	<.0020	110	<.002	<.001	<.0170	<.0020
DEC											
14...	3.3	.90	<.0040	<.0040	E.0024	<.0020	114	<.002	<.001	<.0170	<.0020
MAR											
22...	3.5	.75	<.0040	<.0040	<.0020	<.0020	128	<.002	<.001	<.0170	<.0020
APR											
25...	4.7	4.0	<.0040	<.0040	<.0020	<.0020	105	<.002	<.001	<.0170	<.0020
MAY											
25...	4.4	1.9	<.0040	<.0040	<.0020	<.0020	93.3	<.002	<.001	<.0170	<.0020
JUN											
29...	3.8	.48	<.0040	<.0040	<.0020	<.0020	101	<.002	<.001	<.0170	<.0020
29...	3.8	.55	<.0040	<.0040	<.0020	<.0020	99.4	<.002	<.001	<.0170	<.0020
JUL											
24...	3.5	.78	<.0040	<.0040	<.0020	<.0020	90.8	<.002	<.001	<.0170	<.0020
AUG											
21...	3.5	.85	<.0040	<.0040	<.0020	<.0020	104	<.002	<.001	<.0170	<.0020
SEP											
11...	3.8	1.4	<.0040	<.0040	<.0020	<.0020	99.1	<.002	<.001	<.0170	<.0020

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
OCT											
18...	<.0040	<.0030	<.0030	110	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
NOV											
22...	<.0040	<.0030	<.0030	101	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
DEC											
14...	<.0040	<.0030	<.0030	104	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
MAR											
22...	<.0040	<.0030	<.0030	106	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
APR											
25...	<.0040	<.0030	<.0030	84.1	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
MAY											
25...	<.0040	<.0030	<.0030	90.8	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
JUN											
29...	<.0040	<.0030	<.0030	94.0	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
29...	<.0040	<.0030	<.0030	92.8	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
JUL											
24...	<.0040	<.0030	<.0030	85.7	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
AUG											
21...	<.0040	<.0030	<.0030	87.2	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
SEP											
11...	<.0040	<.0030	<.0030	90.9	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)
OCT											
18...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
NOV											
22...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
DEC											
14...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0032	<.0030	<.0070
MAR											
22...	<.0040	<.0030	E.0013	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
APR											
25...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
MAY											
25...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUN											
29...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
29...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUL											
24...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
AUG											
21...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
SEP											
11...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)
OCT											
18...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	877	9294.00
NOV											
22...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	833	9337.00
DEC											
14...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	775	9354.00
MAR											
22...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	813	88.05
APR											
25...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	884	119.01
MAY											
25...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	840	154.04
JUN											
29...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	892	188.02
29...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	900	188.02
JUL											
24...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	917	209.03
AUG											
21...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	237.02
SEP											
11...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	263.02

DATE	TIME	SAMPLE TYPE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT			
18...	1130	ENVIRONMENTAL	--
NOV			
22...	1230	ENVIRONMENTAL	--
DEC			
14...	1330	ENVIRONMENTAL	4.0
MAR			
22...	1100	ENVIRONMENTAL	3.8
APR			
25...	1200	ENVIRONMENTAL	--
MAY			
25...	1100	ENVIRONMENTAL	1.9
JUN			
29...	1100	ENVIRONMENTAL	--
29...	1110	REPLICATE	--
JUL			
24...	1130	ENVIRONMENTAL	--
AUG			
21...	1100	ENVIRONMENTAL	3.5
SEP			
11...	0930	ENVIRONMENTAL	--

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	890	860	850	830	850	---	940	580	395	660	760	---
2	790	840	800	---	840	930	860	540	375	600	760	850
3	---	840	820	810	840	910	860	520	355	610	760	810
4	790	---	820	810	850	910	860	460	345	600	760	790
5	790	840	820	820	850	900	840	440	330	620	750	800
6	790	840	810	810	860	890	830	420	340	630	760	800
7	790	830	820	840	850	890	810	430	360	640	---	870
8	790	830	820	840	---	890	810	390	365	650	750	830
9	800	830	800	860	860	900	810	365	375	660	750	820
10	820	820	800	870	860	880	800	---	380	680	760	820
11	810	830	820	850	860	860	800	330	395	690	770	810
12	810	840	810	830	860	860	800	---	395	710	750	810
13	---	840	800	810	850	860	800	330	400	---	750	---
14	820	830	820	---	850	850	770	360	385	---	760	780
15	820	830	820	770	---	860	720	375	405	---	750	790
16	810	840	830	760	860	860	680	370	410	770	740	790
17	810	840	840	750	880	870	670	370	415	740	780	780
18	820	850	---	750	850	860	660	380	415	750	780	770
19	830	830	840	760	850	850	670	405	435	760	770	770
20	830	830	850	760	860	850	640	425	445	800	790	---
21	830	840	840	---	860	840	630	445	470	740	810	800
22	---	840	820	760	850	---	---	445	490	770	800	790
23	820	830	810	780	870	830	600	430	500	800	800	830
24	820	830	810	820	890	830	600	445	495	780	780	820
25	830	820	790	830	860	840	580	455	510	790	780	800
26	830	---	800	810	900	860	580	460	520	780	820	750
27	830	830	800	810	930	860	570	455	530	770	---	790
28	830	830	---	820	930	870	560	440	520	760	790	920
29	840	830	820	830	930	860	520	405	530	750	860	960
30	840	820	820	820	---	860	520	375	550	760	900	880
31	840	---	820	820	---	850	---	355	---	760	---	---
MEAN	819	834	818	808	867	868	717	421	428	715	778	816

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.5	11.0	5.0	.0	3.0	---	12.0	19.0	20.1	25.0	28.0	---
2	13.0	10.0	5.0	---	4.0	8.5	12.0	19.0	21.0	26.0	29.0	23.0
3	---	8.0	4.0	1.0	4.0	8.0	12.0	18.0	20.0	23.0	28.0	23.0
4	16.5	---	3.5	.0	3.5	8.5	13.5	18.5	23.0	25.0	28.0	22.0
5	16.0	9.0	3.5	1.0	2.0	9.0	13.0	19.0	21.5	25.0	27.0	22.0
6	16.0	10.0	3.0	1.0	3.0	8.0	16.0	19.5	22.0	24.0	28.0	22.0
7	16.0	10.0	3.0	.0	4.5	8.0	16.0	18.0	23.0	23.0	---	23.0
8	16.0	10.0	3.0	.0	---	10.0	16.0	18.0	22.5	25.0	29.0	21.0
9	17.0	10.0	.0	.0	6.0	8.5	15.5	18.0	22.0	25.0	28.0	22.5
10	18.0	9.0	1.5	2.0	5.0	8.0	16.0	---	20.0	27.0	27.0	22.0
11	17.5	10.0	2.0	2.0	7.0	8.5	17.0	15.0	22.0	27.0	29.0	22.0
12	18.0	7.5	2.0	2.0	5.5	10.5	18.0	---	21.0	25.0	29.0	22.0
13	---	8.0	1.0	1.0	5.0	11.0	17.0	13.5	21.0	---	29.0	---
14	17.0	9.0	.0	---	6.0	12.0	15.0	15.0	23.0	---	28.0	22.5
15	16.5	8.5	.0	2.0	---	10.0	15.0	16.0	22.5	---	28.0	23.0
16	14.0	8.0	.0	1.0	5.5	9.0	16.0	16.0	22.0	28.0	27.5	23.0
17	13.0	8.0	.0	2.0	6.0	10.0	16.0	15.0	23.0	25.0	27.0	22.0
18	12.0	8.0	---	1.0	7.0	11.0	14.0	16.5	22.0	27.0	27.5	23.0
19	13.0	7.0	2.0	2.0	7.5	10.0	15.0	17.0	21.0	26.0	26.0	23.0
20	12.0	7.0	.0	2.5	7.0	7.5	15.0	19.0	23.0	25.0	26.0	---
21	12.0	5.0	2.0	---	6.0	8.0	14.0	20.0	22.0	28.0	26.0	20.0
22	---	6.0	1.5	3.0	6.0	---	---	20.0	24.0	28.0	25.0	21.0
23	11.0	5.0	1.5	3.0	7.0	9.5	17.0	20.0	25.0	28.0	24.0	18.0
24	13.0	3.5	1.0	3.5	6.0	12.0	16.5	21.0	25.0	28.0	26.0	17.0
25	10.5	4.0	1.5	3.5	7.0	13.0	17.0	20.0	25.0	27.0	25.0	17.0
26	10.5	---	1.5	5.0	7.0	13.5	17.0	21.0	26.0	27.5	26.0	16.0
27	10.5	4.0	1.5	5.0	7.5	15.0	19.0	20.0	22.0	25.0	---	17.0
28	10.5	5.0	---	5.0	6.0	13.5	18.0	21.0	25.0	28.0	26.0	18.0
29	11.0	5.0	2.0	3.5	7.0	14.0	18.0	20.0	25.0	29.0	25.0	18.0
30	11.0	3.5	2.0	3.0	---	13.0	16.0	21.0	27.0	27.0	23.0	19.0
31	11.0	---	1.0	2.5	---	11.5	---	21.0	---	27.0	---	---
MEAN	13.9	7.5	1.9	2.1	5.6	10.3	15.6	18.4	22.7	26.2	27.0	20.8

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued
(National stream-quality accounting network station)

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT							
18...	1130	ENVIRONMENTAL	3460	9.5	841	90	87
NOV							
22...	1230	ENVIRONMENTAL	3750	4.0	770	76	84
DEC							
14...	1330	ENVIRONMENTAL	3870	.0	1570	150	76
MAR							
22...	1100	ENVIRONMENTAL	3780	5.5	612	60	77
APR							
25...	1200	ENVIRONMENTAL	6410	13.5	9970	576	75
MAY							
25...	1100	ENVIRONMENTAL	9450	18.5	17000	668	82
JUN							
29...	1100	ENVIRONMENTAL	3690	22.0	976	98	91
29...	1110	REPLICATE	3690	22.0	1100	110	88
JUL							
24...	1130	ENVIRONMENTAL	1890	24.5	612	120	A96
AUG							
21...	1100	ENVIRONMENTAL	1720	23.0	362	78	97
SEP							
11...	0930	ENVIRONMENTAL	1930	18.5	959	184	100

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 PacifiCorp.

GAGE.--Elevation of gage is 8,300 ft above sea level, PacifiCorp datum.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 26,530 acre-ft Jun 8, elevation 8,564.23 ft; minimum contents 18,720 acre-ft Sep 30, elevation, 85,242.33 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24340	23950	23400	22840	22420	21980	21560	22670	26420	26330	24440	20790
2	24330	23940	23380	22820	22410	21950	21560	22820	26440	26300	24330	20700
3	24320	23920	23370	22820	22390	21940	21540	22980	26460	26280	24220	20610
4	24310	23900	23350	22810	22340	21920	21510	23170	26480	26260	24100	20510
5	24300	23880	23320	22800	22290	21910	21510	23370	26500	26220	23980	20420
6	24280	23860	23300	22790	22270	21900	21520	23560	26520	26200	23860	20320
7	24260	23840	23300	22780	22240	21890	21530	23750	26520	26170	23750	20230
8	24250	23820	23280	22750	22230	21880	21540	23940	26530	26150	23630	20140
9	24240	23810	23260	22740	22200	21870	21560	24080	26530	26130	23500	20050
10	24220	23790	23250	22710	22190	21870	21580	24240	26530	26100	23380	19960
11	24210	23780	23230	22680	22180	21860	21590	24400	26530	26080	23250	19870
12	24200	23760	23210	22660	22180	21840	21620	24550	26520	26020	23120	19780
13	24180	23740	23190	22640	22180	21820	21650	24640	26510	25970	22990	19700
14	24170	23720	23190	22620	22170	21800	21680	24730	26500	25910	22870	19620
15	24150	23700	23180	22600	22170	21780	21720	24810	26480	25860	22760	19550
16	24130	23680	23150	22570	22160	21760	21740	24900	26470	25800	22640	19470
17	24110	23670	23130	22550	22140	21750	21750	24990	26450	25740	22530	19400
18	24100	23660	23110	22550	22130	21740	21780	25070	26440	25680	22420	19320
19	24090	23640	23090	22540	22120	21730	21800	25140	26460	25620	22300	19250
20	24080	23620	23070	22520	22110	21730	21810	25220	26460	25570	22180	19180
21	24070	23600	23060	22510	22090	21720	21840	25310	26460	25510	22080	19140
22	24060	23590	23040	22500	22070	21700	21860	25410	26440	25450	21960	19080
23	24040	23570	23020	22490	22060	21680	21910	25520	26430	25390	21840	19020
24	24030	23560	23000	22470	22060	21660	21960	25660	26420	25340	21720	18940
25	24020	23530	22980	22460	22050	21640	22020	25850	26390	25270	21570	18880
26	24020	23510	22950	22460	22050	21630	22100	26010	26380	25140	21450	18810
27	24000	23490	22930	22450	22030	21610	22210	26120	26370	25000	21320	18760
28	23990	23470	22910	22440	22010	21590	22350	26210	26350	24870	21200	18740
29	23980	23450	22890	22440	21990	21580	22470	26280	26340	24740	21090	18730
30	23970	23430	22880	22430	---	21570	22560	26350	26330	24600	20960	18720
31	23960	---	22860	22430	---	21570	---	26380	---	24470	20880	---
MAX	24340	23950	23400	22840	22420	21980	22560	26380	26530	26330	24440	20790
MIN	23960	23430	22860	22430	21990	21570	21510	22670	26330	24470	20880	18720
(#)	8557.66	8556.25	8554.67	8553.48	8552.25	8551.04	8553.86	8563.87	8563.74	8559.02	8549.04	8542.33
(*)	-540	-530	-570	-430	-440	-420	+990	+3820	-50	-1860	-3590	-2160

CAL YR 1999.....(*) -1690
WTR YR 2000.....(*) -5780

(#) 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 PacifiCorp, 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 some periods in Dec, Jan and Feb, which are poor because of effects from ice and estimated daily discharge. Small transmountain diversions to tributaries of San Pitch River (Sevier Lake Basin). Flow regulated by reservoirs above station .

COOPERATION.--Records collected by PacifiCorp.

AVERAGE DISCHARGE.--17 years, 81.2 ft^3/s, 58,830 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	54	28	19	31	23	27	114	164	109	165	e107
2	78	47	27	16	33	23	30	146	158	108	162	e104
3	79	28	25	14	22	24	31	224	150	106	172	e102
4	77	28	22	13	30	23	35	201	146	102	182	e104
5	80	27	22	17	29	27	40	216	146	108	164	e102
6	73	25	22	14	28	30	42	198	146	106	170	e97
7	73	25	27	14	23	27	43	198	122	111	169	e84
8	72	26	22	20	22	28	45	194	115	103	167	e84
9	72	25	20	21	22	29	48	161	117	105	161	e82
10	72	25	22	22	22	27	49	142	110	107	148	e80
11	72	23	18	23	23	29	45	181	121	105	147	e77
12	71	24	21	25	30	29	48	150	120	102	141	e76
13	71	24	21	22	38	28	54	138	120	109	141	e86
14	72	23	18	26	39	29	57	134	113	108	143	e81
15	73	24	17	27	37	30	49	133	108	107	144	e82
16	72	25	22	27	33	30	47	137	108	107	142	e82
17	73	25	31	25	31	33	45	116	107	109	131	e81
18	73	23	33	26	31	30	53	105	112	106	124	e80
19	67	25	31	29	33	32	52	99	135	98	124	e87
20	65	26	29	26	33	27	50	126	113	91	122	e116
21	67	25	29	22	29	26	60	145	107	97	97	e140
22	68	22	22	19	24	29	71	157	105	98	99	e127
23	68	24	23	21	23	29	77	186	105	97	109	e124
24	68	27	26	20	23	31	80	200	122	97	105	e123
25	67	33	27	20	22	28	77	242	124	97	100	e121
26	67	33	27	21	24	30	89	210	120	134	100	e121
27	66	32	25	25	25	32	111	171	123	128	108	e116
28	58	31	27	29	23	34	127	161	99	112	105	e99
29	54	29	18	21	23	32	122	162	91	115	107	e84
30	53	29	16	31	---	30	103	150	99	129	132	e71
31	53	---	18	34	---	29	---	134	---	129	115	---
TOTAL	2150	837	736	689	806	888	1807	5031	3626	3340	4196	2920
MEAN	69.4	27.9	23.7	22.2	27.8	28.6	60.2	162	121	108	135	97.3
MAX	80	54	33	34	39	34	127	242	164	134	182	140
MIN	53	22	16	13	22	23	27	99	91	91	97	71
AC-FT	4260	1660	1460	1370	1600	1760	3580	9980	7190	6620	8320	5790

CAL YR 1999 TOTAL 31368 MEAN 85.9 MAX 431 MIN 16 AC-FT 62220
WTR YR 2000 TOTAL 27026 MEAN 73.8 MAX 242 MIN 13 AC-FT 53610

e Estimated

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 fair except for estimated daily discharges, which are poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft^3/s, Jun 6, 1964, gage height, 5.43 ft; no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.10	e11	e17	3.3	.54	.25
2	---	---	---	---	---	---	e.11	e12	e16	3.1	.46	.24
3	---	---	---	---	---	---	e.13	e11	e16	3.2	.50	.23
4	---	---	---	---	---	---	e.15	e10	e15	3.0	.47	.23
5	---	---	---	---	---	---	e.17	e17	e15	2.9	.49	.23
6	---	---	---	---	---	---	e.19	e16	e14	2.4	.46	.23
7	---	---	---	---	---	---	e.21	e14	e13	2.2	.41	.23
8	---	---	---	---	---	---	e.24	e12	e12	2.0	.41	.22
9	---	---	---	---	---	---	e.29	e11	e13	2.3	.42	.21
10	---	---	---	---	---	---	e.38	e10	e11	2.1	.46	.17
11	---	---	---	---	---	---	e.60	e10	e9.2	2.0	.34	.17
12	---	---	---	---	---	---	e1.6	e10	e8.5	1.6	.36	.16
13	---	---	---	---	---	---	e2.0	e10	e8.0	1.6	.36	.16
14	---	---	---	---	---	---	e2.0	e9.6	e7.6	1.3	.38	.16
15	---	---	---	---	---	---	e1.9	e9.4	e7.0	1.3	.35	.14
16	---	---	---	---	---	---	e1.8	e9.2	e6.0	1.3	.30	.14
17	---	---	---	---	---	---	e1.8	e9.4	e5.0	1.2	.44	.15
18	---	---	---	---	---	---	e1.7	e9.0	e8.0	1.0	.32	.16
19	---	---	---	---	---	---	e1.8	e8.7	e7.0	.99	.30	.14
20	---	---	---	---	---	---	e2.0	e8.5	e5.0	.98	.27	.14
21	---	---	---	---	---	---	e2.3	e8.4	4.3	.93	.26	.17
22	---	---	---	---	---	---	e2.8	e8.4	4.4	.82	.27	.13
23	---	---	---	---	---	---	e3.4	e15	4.3	.81	.25	.14
24	---	---	---	---	---	---	e4.2	e28	4.2	.75	.25	.12
25	---	---	---	---	---	---	e5.3	e30	4.2	.72	.26	.11
26	---	---	---	---	---	---	e7.0	e29	3.8	.72	.25	.11
27	---	---	---	---	---	---	e6.4	e26	3.7	.66	.24	.10
28	---	---	---	---	---	---	e5.8	e23	3.9	.59	.24	.09
29	---	---	---	---	---	---	e5.5	e21	3.7	.56	.25	.10
30	---	---	---	---	---	---	e9.0	e19	3.4	.57	.26	.09
31	---	---	---	---	---	---	---	e18	---	.54	.26	---
TOTAL	---	---	---	---	---	---	70.87	443.6	253.2	47.44	10.83	4.92
MEAN	---	---	---	---	---	---	2.36	14.3	8.44	1.53	.35	.16
MAX	---	---	---	---	---	---	9.0	30	17	3.3	.54	.25
MIN	---	---	---	---	---	---	.10	8.4	3.4	.54	.24	.09
AC-FT	---	---	---	---	---	---	141	880	502	94	21	9.8

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 August 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, Jul 23, 1965; possibly no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.03	4.1	e5.8	3.5	1.5	1.0
2	---	---	---	---	---	---	e.04	5.4	e5.6	3.3	1.4	.98
3	---	---	---	---	---	---	e.05	7.2	e5.4	3.2	1.4	.91
4	---	---	---	---	---	---	e.06	e7.0	e5.2	3.1	1.4	.87
5	---	---	---	---	---	---	e.07	e6.8	e5.1	3.0	1.4	.85
6	---	---	---	---	---	---	e.09	e7.6	e5.0	2.8	1.3	.84
7	---	---	---	---	---	---	e.12	e9.0	e5.0	2.7	1.3	.83
8	---	---	---	---	---	---	e.17	e8.6	e6.2	2.8	1.2	.84
9	---	---	---	---	---	---	e.25	e8.0	e7.6	2.8	1.2	.79
10	---	---	---	---	---	---	e.35	e7.2	e7.5	2.8	1.3	.77
11	---	---	---	---	---	---	e.50	e6.6	e7.4	2.6	1.2	.74
12	---	---	---	---	---	---	.71	e6.0	e7.3	2.4	1.1	.73
13	---	---	---	---	---	---	1.2	e5.4	7.3	2.4	1.1	.72
14	---	---	---	---	---	---	1.2	e5.0	6.8	2.3	1.1	.69
15	---	---	---	---	---	---	1.1	e4.8	6.4	2.3	e2.0	.74
16	---	---	---	---	---	---	1.0	e4.6	5.9	2.2	e1.4	.71
17	---	---	---	---	---	---	1.1	e5.7	5.5	2.2	e1.4	.75
18	---	---	---	---	---	---	1.1	e6.0	5.2	2.0	1.1	.74
19	---	---	---	---	---	---	1.1	e4.9	e5.2	2.0	1.1	.73
20	---	---	---	---	---	---	1.2	e4.4	e5.6	1.9	1.0	.73
21	---	---	---	---	---	---	1.3	e4.2	5.0	1.9	.99	e1.2
22	---	---	---	---	---	---	1.3	e4.1	4.7	1.8	e1.3	.82
23	---	---	---	---	---	---	1.3	e4.0	4.5	1.8	1.1	.93
24	---	---	---	---	---	---	1.3	e7.0	4.3	1.7	e1.4	1.1
25	---	---	---	---	---	---	1.4	e11	4.2	1.7	e1.8	.93
26	---	---	---	---	---	---	2.0	e12	4.1	1.7	1.1	.89
27	---	---	---	---	---	---	3.1	e11	3.9	1.6	1.0	.86
28	---	---	---	---	---	---	4.0	e8.2	3.7	1.6	.99	.83
29	---	---	---	---	---	---	3.6	e7.2	3.5	1.5	1.1	.80
30	---	---	---	---	---	---	3.2	e6.7	3.6	1.5	e1.9	.78
31	---	---	---	---	---	---	---	e6.1	---	1.5	1.1	---
TOTAL	---	---	---	---	---	---	33.94	205.8	162.5	70.6	39.68	25.10
MEAN	---	---	---	---	---	---	1.13	6.64	5.42	2.28	1.28	.84
MAX	---	---	---	---	---	---	4.0	12	7.6	3.5	2.0	1.2
MIN	---	---	---	---	---	---	.03	4.0	3.5	1.5	.99	.69
AC-FT	---	---	---	---	---	---	67	408	322	140	79	50

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39°17'20", long 111°16'10", in $NW^1/_4NE^1/_4$ 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 mi^2.

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 November 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, Jun 20-21, 1983; minimum observed since reservoir was first filled, 7,710 acre-ft, Oct 1, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 61,590 acre-ft Jun 7, elevation, 6,989.7 ft; minimum observed, 40,310 acre-ft, Sep 30, elevation, 6,969.0 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep 30.....	6,977.0	47,810	--
Oct 31.....	6,971.2	42,270	-5,540
Nov 30.....	6,971.5	42,550	+280
Dec 31.....	6,971.6	42,640	+90
CAL YR 1999.....	--	--	-1,770
Jan 31.....	6,971.5	42,550	-90
Feb 29.....	6,972.2	43,190	+640
Mar 31.....	6,973.7	44,600	+1,410
Apr 30.....	6,974.8	45,650	+1,050
May 31.....	6,989.3	61,120	+15,470
Jun 30.....	6,985.3	56,580	-4,540
Jul 31.....	6,977.7	48,510	-8,070
Aug 31.....	6,973.6	44,500	-4,010
Sep 30.....	6,969.0	40,310	-4,190
WTR YR 2000.....	--	--	-2,330

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE$^1/_4$SE$^1/_4$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, April 1909 to October 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 September 30, 1923, nonrecording gages in vicinity of present site at different datums. December 19, 1947 to September 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 24	2245	*545	*4.78				

Minimum daily discharge, 9.0 ft^3/s, Jan 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	15	e13	e10	e10	13	17	133	187	48	20	19
2	22	13	e13	e11	e11	12	19	166	170	43	20	19
3	22	14	e13	e10	e11	13	22	205	157	40	20	17
4	22	14	e12	e10	e11	15	29	248	147	38	21	16
5	21	13	e13	e10	e11	15	40	280	137	36	20	16
6	21	13	e12	e10	e11	14	44	266	142	35	19	15
7	21	14	e12	e10	12	13	42	264	135	34	19	15
8	21	14	e11	e9.0	12	13	44	245	128	34	18	18
9	20	14	e12	e10	12	13	52	205	121	38	20	17
10	19	13	e11	e10	12	13	51	272	115	38	18	15
11	19	13	e11	e11	13	13	46	310	109	35	18	15
12	19	12	e11	e13	13	14	58	229	103	32	17	15
13	18	11	e12	e12	12	13	68	207	99	31	16	15
14	18	12	e11	e12	14	14	70	199	92	30	16	15
15	18	12	e11	e11	13	13	56	191	78	30	21	14
16	16	13	e11	e12	13	13	49	206	75	29	19	14
17	15	14	e11	e11	13	13	52	193	70	29	21	14
18	18	12	e12	e12	12	12	55	173	72	27	22	14
19	16	12	e12	e12	e13	13	45	173	91	26	20	14
20	16	16	e11	13	e12	13	47	207	70	25	18	14
21	17	14	e11	13	12	14	59	233	63	24	16	23
22	16	e13	e11	13	12	14	67	274	59	23	18	27
23	16	e12	e11	14	12	17	73	338	57	23	18	17
24	16	e11	e12	14	13	17	80	386	57	23	20	17
25	15	e12	e12	13	12	18	76	350	53	23	20	16
26	15	e12	e12	14	e11	21	97	316	52	23	23	15
27	15	e13	e11	14	e12	25	130	279	53	22	19	15
28	15	e14	e12	e12	12	27	150	265	48	21	19	15
29	16	16	e11	e11	13	22	141	256	46	21	18	16
30	13	15	e11	e11	---	19	115	231	44	21	19	15
31	15	---	e11	e11	---	17	---	204	---	20	20	---
TOTAL	553	396	360	359.0	350	476	1894	7504	2830	922	593	487
MEAN	17.8	13.2	11.6	11.6	12.1	15.4	63.1	242	94.3	29.7	19.1	16.2
MAX	22	16	13	14	14	27	150	386	187	48	23	27
MIN	13	11	11	9.0	10	12	17	133	44	20	16	14
AC-FT	1100	785	714	712	694	944	3760	14880	5610	1830	1180	966

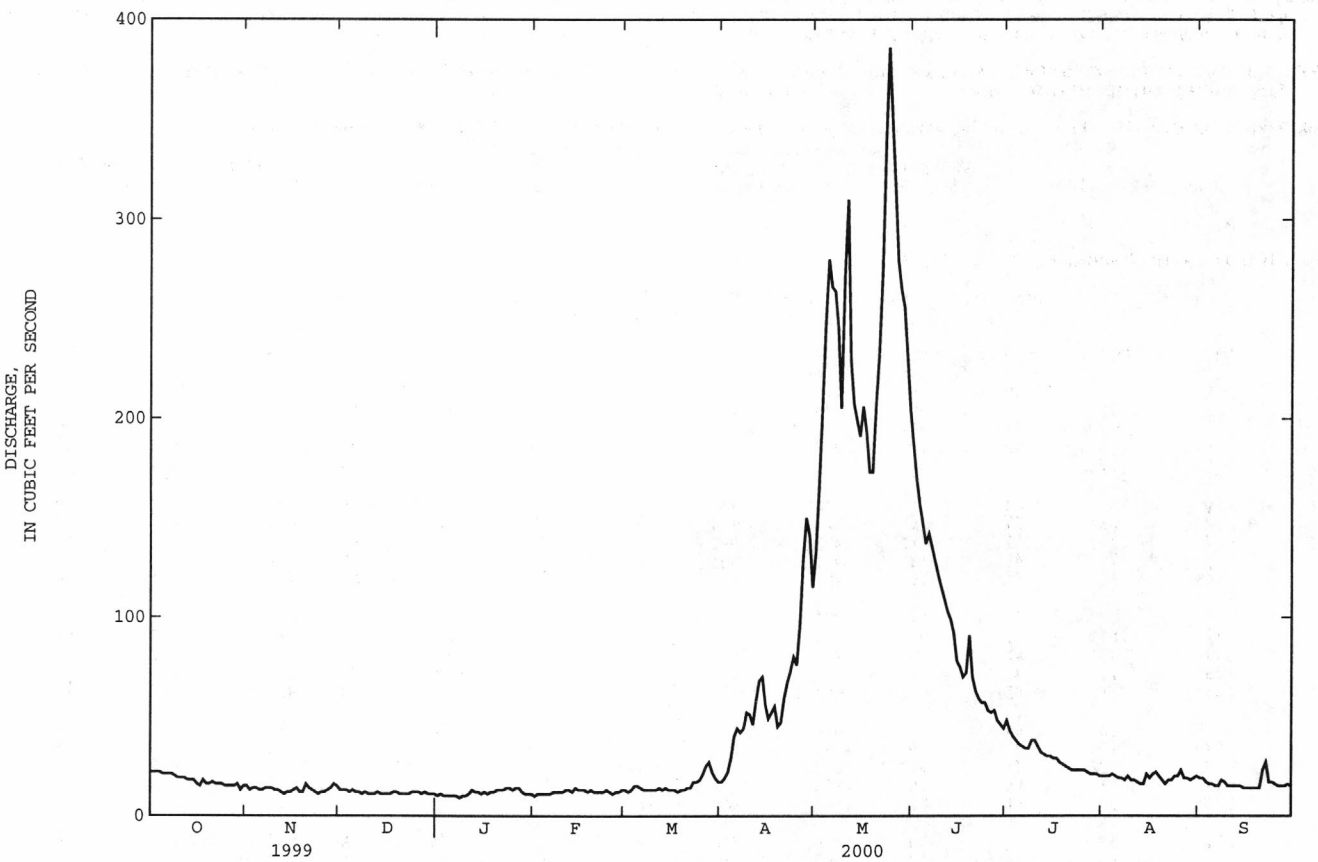
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-2000, BY WATER YEAR (WY)

MEAN	18.2	13.8	10.8	9.13	10.2	14.0	44.8	221	293	99.6	41.6	24.4
MAX	70.2	32.2	21.5	19.7	30.4	26.7	128	486	732	404	128	51.0
(WY)	1917	1985	1985	1998	1998	1998	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

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912-23, 1948-2000	
ANNUAL TOTAL	23759		16724.0			
ANNUAL MEAN	65.1		45.7		66.8	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	519	May 29	386	May 24	1240	Jun 7 1984
LOWEST DAILY MEAN	11	Feb 11	9.0	Jan 8	1.0	Mar 22 1912
ANNUAL SEVEN-DAY MINIMUM	11	Dec 10	9.9	Jan 3	2.6	Jan 4 1960
ANNUAL RUNOFF (AC-FT)	47130		33170		48390	
10 PERCENT EXCEEDS	191		141		198	
50 PERCENT EXCEEDS	22		17		18	
90 PERCENT EXCEEDS	12		11		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 September 10, 1918, staff gage, and September 10, 1919 to July 10, 1920, tape-weight gage. November 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 November 3, 1965, in Joes Valley Reservoir (see station 09323900).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft^3/s, Sep 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)
Aug 28	0815	*700	*6.71				

Minimum daily discharge, 1.3 ft^3/s, Aug 13.

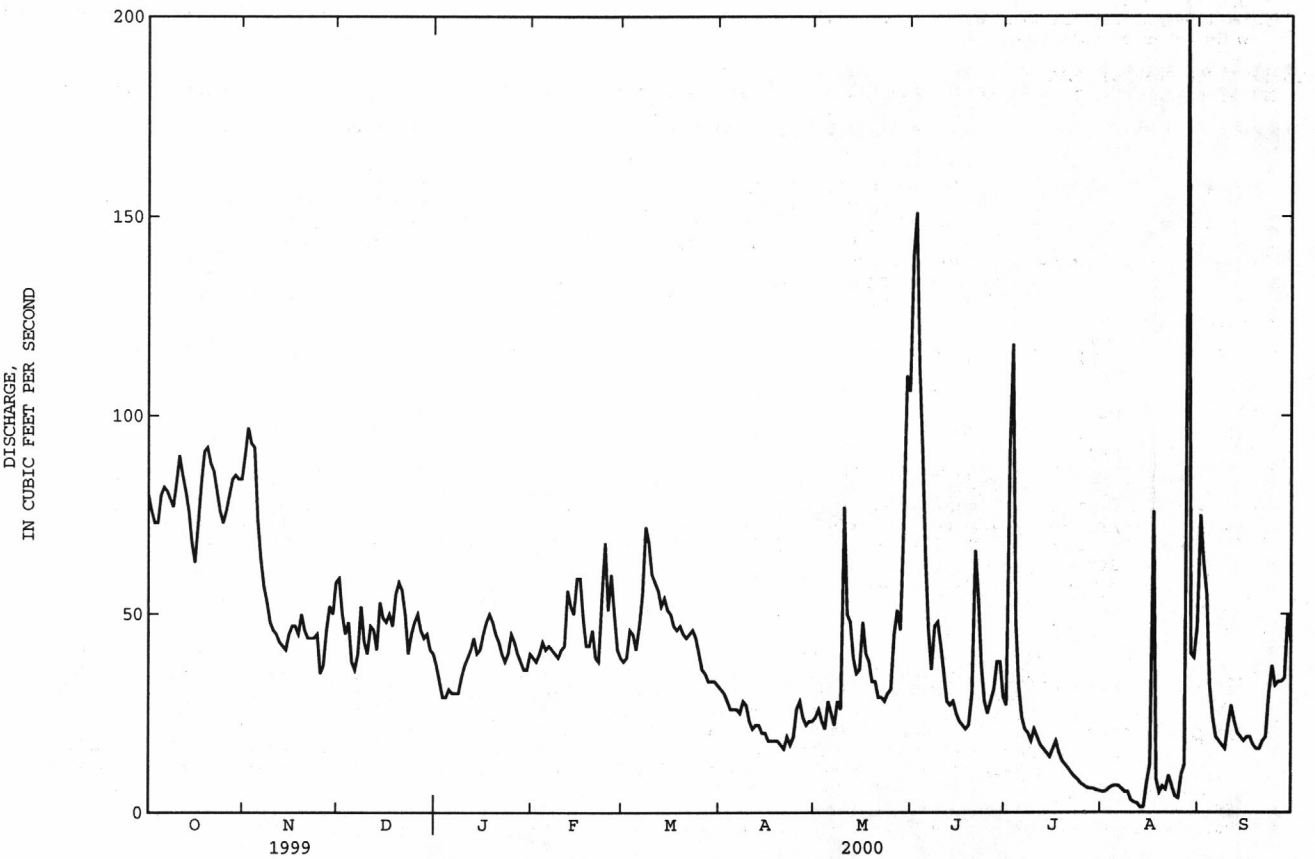
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	90	59	e37	e39	38	31	24	140	27	e5.2	75
2	76	97	50	e33	e38	39	30	26	151	91	5.3	63
3	73	93	45	e29	e40	46	28	23	112	118	6.1	55
4	73	92	48	e29	e43	45	26	21	91	48	6.6	32
5	80	74	38	e31	41	41	26	28	64	32	6.8	24
6	82	64	36	e30	42	47	26	25	46	24	6.7	19
7	81	57	40	e30	41	55	25	22	36	e21	6.0	18
8	79	53	52	e30	40	72	28	28	47	e20	5.2	17
9	77	48	43	e34	39	68	27	26	48	e18	5.2	16
10	83	46	40	e37	41	60	23	77	42	e21	3.1	22
11	90	45	47	e39	42	58	21	50	35	e19	2.6	27
12	85	43	46	e41	56	56	22	48	28	e17	2.3	23
13	81	42	41	e44	52	52	22	39	27	e16	1.3	20
14	76	41	53	e40	50	54	20	35	28	e15	1.4	19
15	68	45	49	e41	59	51	20	36	25	e14	7.4	18
16	63	47	48	e45	59	50	18	48	23	e16	12	19
17	73	47	50	e48	49	47	18	40	22	e18	76	19
18	83	45	47	e50	42	46	18	38	21	e15	8.4	17
19	91	50	55	e48	42	47	18	33	22	e13	5.0	16
20	92	46	58	e45	46	45	17	33	30	e12	6.6	16
21	88	44	56	e43	39	44	16	29	66	e11	5.8	18
22	86	44	e50	e40	38	45	19	29	54	e9.9	9.3	19
23	81	44	e40	e38	54	46	17	28	37	e9.0	6.7	30
24	76	45	e45	e40	68	44	19	30	28	e8.3	4.1	37
25	73	35	e48	e45	51	40	26	31	25	e7.3	3.6	32
26	76	37	e50	e43	60	36	28	45	28	e6.8	9.5	33
27	80	46	e46	e40	50	35	24	51	31	e6.2	12	33
28	e84	52	e44	e38	41	33	22	46	38	e6.0	199	34
29	85	50	e45	e36	39	33	23	74	38	e6.0	40	50
30	84	58	e41	e36	---	33	23	110	29	e5.6	39	43
31	84	---	e40	e40	---	32	---	106	---	e5.4	47	---
TOTAL	2483	1620	1450	1200	1341	1438	681	1279	1412	656.5	555.2	864
MEAN	80.1	54.0	46.8	38.7	46.2	46.4	22.7	41.3	47.1	21.2	17.9	28.8
MAX	92	97	59	50	68	72	31	110	151	118	199	75
MIN	63	35	36	29	38	32	16	21	21	5.4	1.3	16
AC-FT	4930	3210	2880	2380	2660	2850	1350	2540	2800	1300	1100	1710
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-2000, BY WATER YEAR (WY)												
MEAN	92.7	67.9	47.2	43.9	71.1	106	104	298	555	156	90.3	76.9
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

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910-18, 1946-2000	
ANNUAL TOTAL	41175		14979.7			
ANNUAL MEAN	113		40.9		142	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					17.6	1990
HIGHEST DAILY MEAN	896	Jun 18	199	Aug 28	7300	Oct 8 1916
LOWEST DAILY MEAN	13	Apr 15	1.3	Aug 13	.00	Aug 24 1910
ANNUAL SEVEN-DAY MINIMUM	14	Apr 14	3.0	Aug 8	.00	Aug 15 1915
ANNUAL RUNOFF (AC-FT)	81670		29710		103100	
10 PERCENT EXCEEDS	306		76		312	
50 PERCENT EXCEEDS	59		40		50	
90 PERCENT EXCEEDS	28		12		12	

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, March 1982 to current year.
WATER TEMPERATURE: July to September 1949, October 1950 to September 1962, October 1964 to September 1977
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 observed (water years 1949, 1951-70, 1974-77, 1982 to current year), 7,230 microsiemens, Jul 15, 1954 and Jun 29, 1977; minimum daily observed (water years 1949, 1951-77, 1982 to current year), 650 microsiemens, Jun 29, 1984.
WATER TEMPERATURE: Maximum (water years 1949, 1951-61, 1966-77), 35.0°C, Jul 11, 1954; minimum, 0.0°C, on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 4,250 microsiemens, Apr 24, May 14; minimum observed, 1160 microsiemens, Jun 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	GAGE HEIGHT (FEET) (00065)
NOV									
24...	1030	32	8.2	3300	-2.5	.5	.36	E.045	3.00
JAN									
13...	1100	44	8.0	3060	4.0	.0	.35	.055	3.62
MAR									
31...	0950	32	8.1	3000	11.0	9.0	.33	<.050	3.06
MAY									
15...	1000	34	8.1	3930	11.0	14.0	.85	.083	3.11
JUN									
20...	1000	26	8.1	2820	20.0	18.0	.44	E.040	2.93
AUG									
01...	1200	5.2	7.9	3600	38.0	24.0	.43	<.050	2.44
SEP									
06...	1000	20	8.1	2700	19.0	17.0	--	--	2.70

DATE	TIME	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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	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)
SEP												
06...	1000	1500	480	69	11	2	160	19	317	51	.33	8.6

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
SEP											
06...	1500	.827	<.050	4.8	3.32	129	2440	198	<30	12	4

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	3140	3770	1580	2410	---	---
2	---	---	2790	---	---	3970	3070	4070	1220	2680	---	---
3	---	2180	---	2470	3310	---	3070	3680	1160	3310	3310	4320
4	1950	---	---	---	---	---	3100	3620	1220	2680	---	---
5	---	---	3060	---	---	3350	3140	3650	1450	2600	---	---
6	---	---	---	2710	2930	---	3080	3380	1560	2700	2940	---
7	---	2480	---	---	---	---	3120	3490	1900	3030	---	2430
8	2130	---	---	---	---	3300	3260	3360	2250	2710	---	---
9	---	---	3540	3090	---	---	3370	3250	2480	2640	---	---
10	2230	---	---	---	3010	---	3280	3140	1970	2670	---	2950
11	---	3240	---	---	---	---	3440	2980	1790	2540	2800	---
12	---	---	3150	---	---	3150	3300	3550	2370	2560	---	---
13	---	---	---	2720	3170	---	3180	4220	2320	2610	3040	---
14	---	3480	---	---	---	---	3210	4250	2540	2650	---	2910
15	2340	---	---	---	---	---	3350	4000	2750	2800	---	---
16	---	---	3370	2510	---	2740	3520	3740	2790	2610	3320	---
17	2550	---	---	---	3920	---	3630	3500	2660	---	---	---
18	---	3280	---	---	---	---	3710	3010	2580	---	---	2860
19	---	---	3170	---	---	2630	3610	2960	2680	---	---	---
20	---	---	---	2590	3350	---	3610	3050	2540	3070	1900	---
21	2240	3470	---	---	---	---	3800	3110	2200	---	---	2770
22	---	---	---	---	---	---	3850	3250	2630	---	---	---
23	---	---	2970	3010	---	2640	3880	3450	2730	---	3100	---
24	2370	3400	---	---	3480	---	4250	3370	3290	3030	---	2700
25	---	---	---	---	---	---	3880	3300	2720	---	---	---
26	---	---	3020	---	---	2740	3910	3180	2630	---	---	---
27	---	---	---	3210	4230	---	3880	3000	2730	3240	3290	---
28	2620	---	---	---	---	---	3960	3410	2460	---	---	---
29	---	3320	---	---	---	---	3570	3030	2470	---	---	2480
30	---	---	---	3120	---	2950	3540	2260	2470	3470	---	---
31	2500	---	3130	---	---	---	---	1610	---	---	3070	---
MEAN	2330	3110	3130	2830	3420	3050	3490	3340	2270	2800	2970	2930

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'05", in SW$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 7, T. 29 S., R. 4 E., Wayne County, Hydrologic Unit 14070003, on left bank 150 ft upstream of county road bridge, 1.2 mi downstream of Pine Creek, and 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 April 29, 1958, water-stage recorders replaced staff gages on river and canal site using same datum. April 29 to September 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 recorder at site about 150 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good 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, Johnson, Forsyth, and Mill Meadow Reservoirs (combined capacity about 232,000 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s, Mar 21, 1997 (but may have been less due to backwater from bridge abutment), gage height, 7.02 ft, from rating curve extended above 770 ft^3/s, maximum gage height, 7.59 ft Apr 24, 1998; minimum observed discharge, 18 ft^3/s, Jun 2, 4, 13-15, 17-18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 117 ft^3/s, Jan 18, gage height, 4.57 ft; minimum daily discharge, 50 ft^3/s, Jun 11, 13, 16.

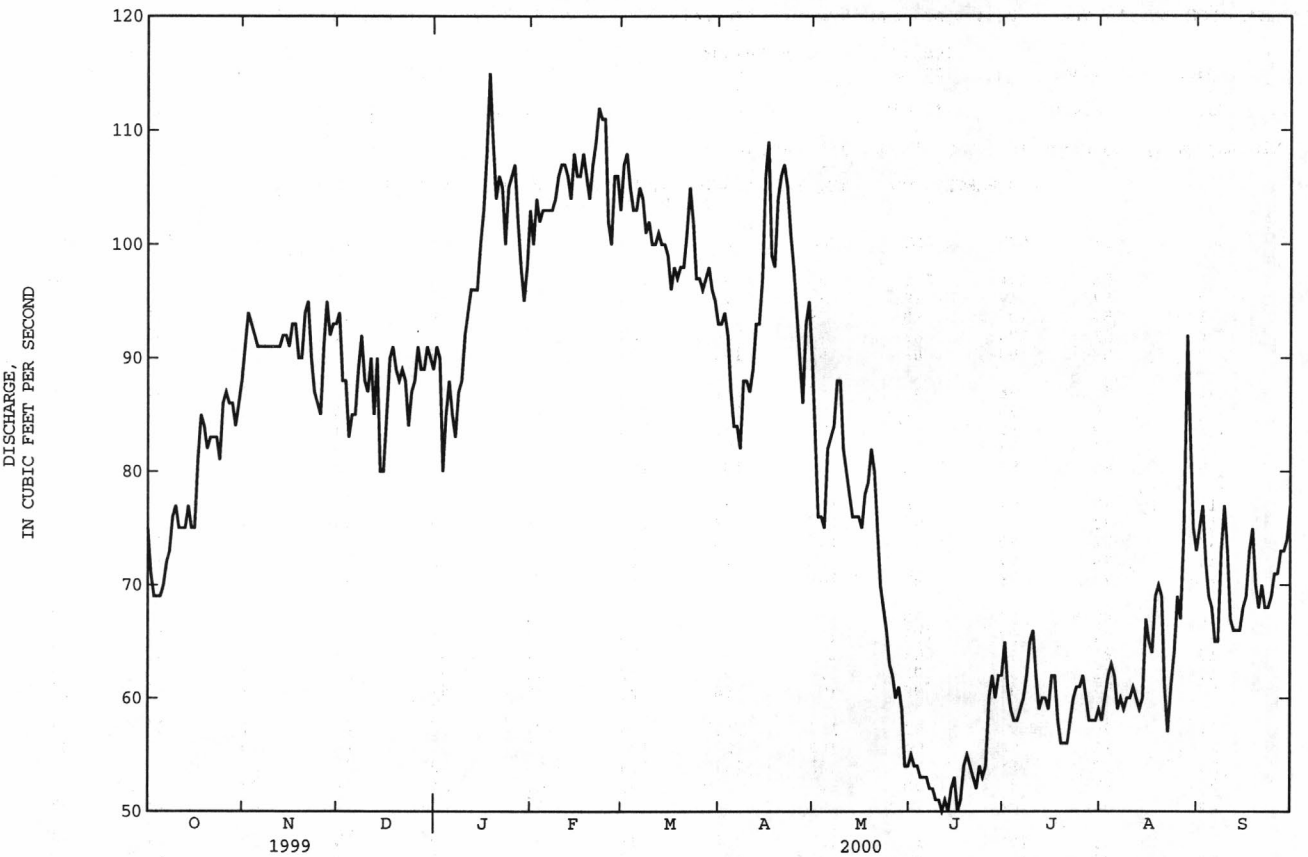
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	91	94	91	100	107	93	83	55	65	58	75
2	71	94	88	e90	104	108	94	76	54	61	60	77
3	69	93	88	e80	102	105	92	76	54	59	62	72
4	69	92	83	e85	103	103	87	75	53	58	63	69
5	69	91	e85	88	103	103	84	82	53	58	62	68
6	70	91	85	e85	103	105	84	83	53	59	59	65
7	72	91	89	83	103	104	82	84	52	60	60	65
8	73	91	92	87	104	101	88	88	52	62	59	73
9	76	91	e88	88	106	102	88	e88	51	65	60	77
10	77	91	87	92	107	100	87	e82	51	66	60	73
11	75	91	e90	94	107	100	89	e80	50	62	61	67
12	75	91	85	96	106	101	93	e78	51	59	60	66
13	75	92	e90	96	104	100	93	e76	50	60	59	66
14	77	92	e80	96	108	100	97	e76	52	60	60	66
15	75	91	80	100	106	99	106	e76	53	59	67	68
16	75	93	85	103	106	96	109	e75	50	62	65	69
17	81	93	90	108	108	98	99	e78	51	62	64	73
18	85	90	91	115	106	97	98	e79	54	58	69	75
19	84	90	89	109	104	98	104	e82	55	56	70	70
20	82	94	88	104	107	98	106	e80	54	56	69	68
21	83	95	89	106	109	101	107	e75	53	56	61	70
22	83	e90	e88	105	112	105	105	e70	52	58	57	68
23	83	e87	84	100	111	102	101	e68	54	60	61	68
24	81	e86	87	105	111	97	98	66	53	61	64	69
25	86	85	88	106	e102	97	94	63	54	61	69	71
26	87	91	91	107	e100	96	90	62	60	62	67	71
27	86	95	89	102	106	97	86	60	62	60	75	73
28	86	92	89	98	106	98	93	61	60	58	92	73
29	84	93	91	e95	103	96	95	59	62	58	83	74
30	86	93	90	e98	---	95	90	54	62	58	75	77
31	88	---	89	103	---	93	---	54	---	59	73	---
TOTAL	2438	2740	2722	3015	3057	3102	2832	2289	1620	1858	2024	2116
MEAN	78.6	91.3	87.8	97.3	105	100	94.4	73.8	54.0	59.9	65.3	70.5
MAX	88	95	94	115	112	108	109	88	62	66	92	77
MIN	69	85	80	80	100	93	82	54	50	56	57	65
AC-FT	4840	5430	5400	5980	6060	6150	5620	4540	3210	3690	4010	4200
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2000, BY WATER YEAR (WY)												
MEAN	86.5	90.7	86.4	89.0	96.7	110	123	88.0	72.5	68.8	75.7	78.2
MAX	145	140	133	131	135	243	412	163	174	135	139	119
(WY)	1985	1985	1985	1985	1984	1997	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

09330000 FREMONT RIVER NEAR BICKNELL, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1977 - 2000	
ANNUAL TOTAL	31504		29813			
ANNUAL MEAN	86.3		81.5		88.6	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	136	Apr 22	115	Jan 18	965	Mar 21 1997
LOWEST DAILY MEAN	50	Jun 29	50	Jun 11	34	Jul 31 1986
ANNUAL SEVEN-DAY MINIMUM	52	Jun 24	51	Jun 7	38	Jul 29 1986
ANNUAL RUNOFF (AC-FT)	62490		59130		64220	
10 PERCENT EXCEEDS	111		104		117	
50 PERCENT EXCEEDS	87		84		83	
90 PERCENT EXCEEDS	69		58		57	

e Estimated



09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'45", long 111°13'54", in NE$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 20, T. 29 S., R. 8 E., Wayne County, Hydrologic Unit 14070003, on right bank 2.3 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 4,760 ft above sea level, from topographic map. Prior to May 16, 1996 at site 500 ft upstream at datum 6.0 ft higher.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 ft^3/s, Jul 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 datum then in use and slope-conveyance study; minimum discharge, 8 ft^3/s, Jun 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)
Jul 9	1400	*2,620	*8.02	No other peak greater than base discharge.			

Minimum daily discharge 19 ft^3/s, Jun 1, gage height, 4.59 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	104	105	96	94	113	84	54	19	34	25	48
2	57	119	99	97	97	124	85	50	24	29	25	56
3	54	109	98	79	99	117	82	50	23	25	26	43
4	52	104	89	81	100	109	78	52	24	22	32	38
5	53	99	88	93	100	106	71	47	22	21	42	39
6	55	98	91	86	100	111	71	46	21	21	45	36
7	59	98	95	88	100	113	72	44	21	21	42	36
8	79	98	99	91	99	105	78	47	24	22	43	51
9	75	98	92	98	102	105	81	47	29	151	40	49
10	80	97	92	99	102	101	73	37	29	42	36	45
11	82	97	96	101	99	100	70	33	29	35	37	43
12	73	97	95	102	99	103	74	33	28	34	35	39
13	72	96	97	110	96	99	67	37	26	32	36	31
14	76	97	73	115	99	98	67	39	26	36	36	32
15	77	96	97	108	99	98	74	39	26	38	38	33
16	81	97	90	116	99	92	79	37	27	37	46	33
17	84	97	101	115	100	95	72	38	27	38	46	34
18	84	95	103	122	98	91	61	42	34	33	52	37
19	81	92	101	119	95	93	63	43	35	31	52	34
20	77	94	96	108	98	97	69	41	31	32	44	30
21	79	97	97	107	102	96	71	35	29	30	35	31
22	95	96	94	108	107	105	71	32	29	29	30	35
23	97	85	93	102	104	106	69	28	31	27	42	34
24	87	86	95	102	107	95	63	26	31	25	57	36
25	82	92	99	105	98	93	56	28	31	24	97	36
26	85	100	99	105	92	91	54	33	32	23	44	45
27	83	104	97	97	102	88	50	36	36	22	44	47
28	84	104	95	91	105	93	52	33	36	25	63	50
29	96	103	97	86	102	92	57	30	36	25	61	50
30	95	104	98	88	---	89	60	26	33	25	48	53
31	94	---	93	92	---	86	---	23	---	25	41	---
TOTAL	2386	2953	2954	3107	2894	3104	2074	1186	849	1014	1340	1204
MEAN	77.0	98.4	95.3	100	99.8	100	69.1	38.3	28.3	32.7	43.2	40.1
MAX	97	119	105	122	107	124	85	54	36	151	97	56
MIN	52	85	73	79	92	86	50	23	19	21	25	30
AC-FT	4730	5860	5860	6160	5740	6160	4110	2350	1680	2010	2660	2390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2000, BY WATER YEAR (WY)

MEAN	68.7	87.4	89.1	92.0	98.0	104	96.8	63.1	42.5	46.5	58.6	60.7
MAX	122	133	134	136	143	174	334	213	155	171	162	161
(WY)	1985	1985	1986	1985	1985	1997	1987	1973	1983	1985	1971	1997
MIN	38.0	58.6	66.7	60.2	82.5	79.3	50.5	26.6	20.4	23.0	24.0	23.8
(WY)	1980	1982	1969	1975	1979	1981	1996	1974	1997	1994	1978	1978

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1968 - 2000	
ANNUAL TOTAL	28736		25065			
ANNUAL MEAN	78.7		68.5		75.5	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	324	Aug 21	151	Jul 9	1200	Jul 19 1985
LOWEST DAILY MEAN	22	Jul 4	19	Jun 1	12	Jun 27 1980
ANNUAL SEVEN-DAY MINIMUM	25	Jul 1	22	Jun 1	13	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	57000		49720		54690	
10 PERCENT EXCEEDS	101		103		110	
50 PERCENT EXCEEDS	87		74		75	
90 PERCENT EXCEEDS	40		28		29	

09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in NE$^1/_4$NW$^1/_4$NE$^1/_4$ 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. April 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 March 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)
May 8	1945	*107	*2.41				

Minimum daily discharge, 3.5 ft^3/s, Nov 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	17	e10	e9.4	e8.8	9.8	13	58	76	38	27	23
2	25	16	e10	e9.8	e9.6	9.8	15	64	72	35	28	23
3	25	16	e10	e9.2	e9.6	10	20	71	69	33	27	27
4	25	16	e9.4	e9.2	e9.6	11	28	80	66	32	28	27
5	25	15	e11	e9.2	e9.6	11	33	86	63	31	26	27
6	25	15	e10	e9.2	e10	11	32	85	61	31	26	27
7	25	15	e10	e9.2	e11	11	30	86	58	30	25	27
8	24	15	e9.0	e8.4	e11	9.9	32	95	57	30	25	31
9	23	15	e10	e9.4	12	9.8	35	86	55	34	25	26
10	23	14	e9.0	e9.4	12	10	31	88	53	31	25	24
11	23	14	e9.0	e10	11	9.7	26	88	51	33	25	24
12	22	14	e9.0	e12	11	10	33	77	50	42	24	23
13	22	12	e10	e11	11	10	38	74	49	41	23	23
14	21	11	e9.0	e11	11	10	38	72	47	40	23	21
15	21	11	e9.0	e10	11	10	32	71	46	40	25	14
16	19	13	e9.0	e11	10	e10	30	72	44	40	25	14
17	20	14	e9.0	e10	11	10	31	72	44	39	24	14
18	22	10	e10	e11	10	9.8	33	70	46	38	27	14
19	20	9.5	e10	e11	e10	10	27	68	60	37	28	14
20	20	e7.0	e9.0	e12	e10	9.7	28	69	49	36	23	14
21	20	e5.9	e9.0	13	11	12	33	70	45	35	23	18
22	20	e4.5	e9.0	e13	10	11	33	74	44	34	24	18
23	20	e3.8	e9.0	e13	10	13	36	79	44	34	23	15
24	20	e3.5	e10	13	11	13	37	86	44	34	27	15
25	19	e4.5	e10	12	10	14	37	89	42	34	24	15
26	18	e4.9	e10	12	e9.4	17	44	92	42	34	25	15
27	17	e6.6	e9.4	e12	e10	20	56	88	43	32	25	14
28	17	e8.6	e10	e10	11	20	65	87	42	31	27	14
29	17	e11	e9.6	e9.5	12	16	63	85	39	30	23	15
30	15	e10	e9.6	e9.5	---	16	54	83	37	30	25	14
31	17	---	e9.6	e9.5	---	13	---	80	---	28	24	---
TOTAL	655	332.8	296.6	327.9	303.6	367.5	1043	2445	1538	1067	779	590
MEAN	21.1	11.1	9.57	10.6	10.5	11.9	34.8	78.9	51.3	34.4	25.1	19.7
MAX	25	17	11	13	12	20	65	95	76	42	28	31
MIN	15	3.5	9.0	8.4	8.8	9.7	13	58	37	28	23	14
AC-FT	1300	660	588	650	602	729	2070	4850	3050	2120	1550	1170

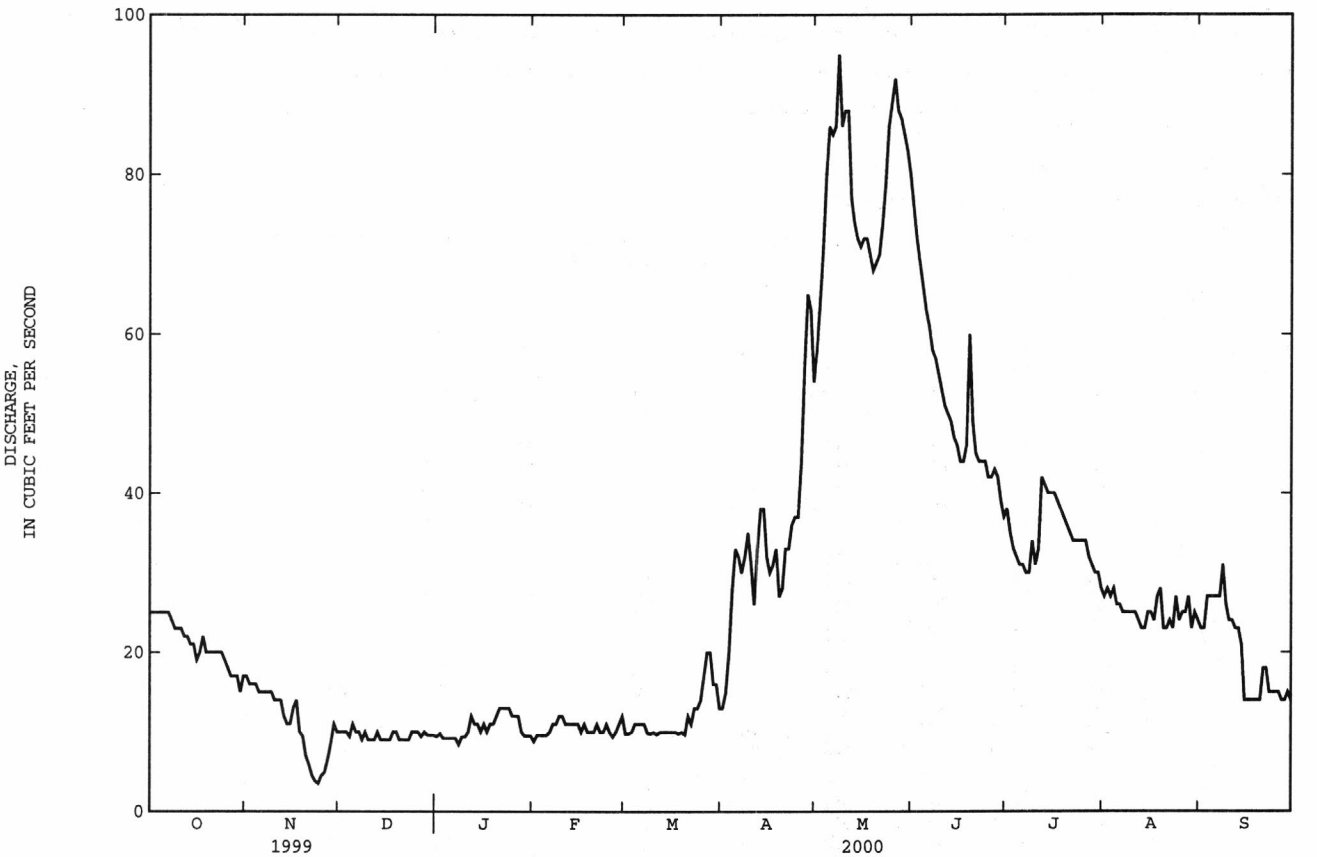
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-2000, BY WATER YEAR (WY)

MEAN	18.4	12.1	9.51	8.45	8.94	12.5	32.4	101	124	70.4	41.0	26.4
MAX	60.9	34.8	22.6	22.0	24.6	37.7	112	306	330	239	104	59.7
(WY)	1985	1985	1985	1998	1998	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

09330500 MUDDY CREEK NEAR EMERY, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1911-13, 1950-2000	
ANNUAL TOTAL	14382.0		9745.4			
ANNUAL MEAN	39.4		26.6		38.9	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	168	Jun 17	95	May 8	664	Aug 11 1995
LOWEST DAILY MEAN	3.5	Nov 24	3.5	Nov 24	.00	Apr 13 1911
ANNUAL SEVEN-DAY MINIMUM	4.8	Nov 21	4.8	Nov 21	1.0	Apr 10 1911
ANNUAL RUNOFF (AC-FT)	28530		19330		28200	
10 PERCENT EXCEEDS	106		63		99	
50 PERCENT EXCEEDS	22		20		17	
90 PERCENT EXCEEDS	10		9.5		7.0	

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 August 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. Some regulation of low flow by several small headwater reservoirs (combined capacity 2,120 acre-ft).

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 180 ft^3/s on basis of slope-area measurement at gage heights, 4.21 ft and 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)
Aug 29	unknown	*213	*4.21	No other peak greater than base discharge.			

Minimum daily discharge, 2.0 ft^3/s, Nov 23, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	6.3	e5.0	e5.5	e3.5	4.8	5.1	10	5.3	5.9	5.8	e4.5
2	e7.0	6.2	e4.0	e5.5	e3.5	4.7	5.5	10	4.9	5.3	5.7	e4.5
3	e6.5	6.3	e4.0	e4.0	e3.5	4.7	5.8	8.8	4.4	5.1	5.7	e4.0
4	e6.5	6.2	e3.5	e4.0	e3.5	4.8	6.3	7.2	3.9	5.1	6.1	e4.0
5	e6.5	6.2	e3.0	e4.5	e3.5	4.9	6.8	5.7	3.6	5.0	5.8	e3.5
6	e6.5	6.2	e3.5	e4.0	e3.5	4.9	7.0	5.1	4.9	5.0	5.5	e3.5
7	6.4	6.3	e4.0	e3.5	3.7	5.1	7.1	4.9	5.3	4.9	5.5	e3.5
8	6.4	6.3	e4.0	e4.0	4.1	4.8	8.1	5.3	5.5	5.0	5.5	e3.5
9	6.2	6.3	e3.5	e4.5	4.7	e4.5	8.9	5.2	5.6	5.2	5.4	e3.5
10	6.1	6.3	e4.0	e5.5	4.7	e4.5	8.8	4.7	5.7	5.1	5.4	e3.0
11	6.0	6.2	e3.5	e5.5	4.6	e4.5	7.3	4.5	5.7	4.8	5.0	e3.5
12	6.0	6.1	e3.5	e5.5	4.7	e4.5	7.6	4.6	5.6	4.6	4.9	e3.5
13	6.0	6.1	e4.0	e5.0	4.5	5.0	8.2	4.6	5.6	4.6	5.4	e3.5
14	6.0	6.1	e3.5	e4.5	4.7	5.1	9.4	4.6	5.6	4.6	4.9	e3.5
15	6.0	6.0	e3.0	e4.0	4.7	5.1	10	4.5	5.4	4.6	5.4	e3.5
16	6.0	6.3	e3.5	e4.0	4.6	4.9	9.5	4.4	5.4	4.9	5.5	e3.5
17	6.1	6.3	e4.0	e4.0	4.8	4.9	9.2	4.5	5.4	4.8	5.0	e3.5
18	6.3	6.0	e5.0	e4.0	4.6	4.9	11	4.8	5.7	4.5	5.0	e3.0
19	6.3	e5.5	e5.0	4.0	4.9	5.0	8.7	4.7	5.8	4.3	5.4	e3.5
20	6.2	e4.0	e4.5	4.0	4.9	4.8	8.5	4.4	5.5	4.2	4.7	e3.5
21	6.2	e3.5	e4.0	4.1	5.0	5.0	13	4.1	5.4	4.2	4.4	e3.5
22	6.2	e3.0	e4.0	4.1	4.8	4.9	17	4.0	5.4	4.2	4.4	e3.5
23	6.2	e2.0	e4.0	4.2	4.7	5.2	11	3.8	5.5	4.3	4.1	e3.5
24	6.2	e2.0	e4.0	4.4	5.0	5.3	16	3.8	5.9	4.4	3.9	e3.5
25	6.2	e2.5	e5.0	4.6	e5.0	5.4	19	3.8	5.9	6.2	3.7	e3.5
26	6.2	e3.5	e5.0	4.5	e4.5	5.8	23	3.9	5.7	6.5	3.4	e3.5
27	6.3	e4.5	e5.5	4.0	e4.5	6.1	34	3.8	5.8	6.2	3.3	e3.5
28	6.3	e4.5	e5.5	e3.5	e5.0	6.3	32	3.6	6.0	6.1	3.4	e3.5
29	6.2	e5.0	e5.5	e3.5	5.2	5.8	24	3.8	5.8	6.0	e30	e3.5
30	6.2	e5.0	e5.5	e3.5	---	5.5	12	5.3	5.9	6.0	e10	e3.5
31	6.3	---	e5.5	e3.5	---	5.1	---	5.7	---	6.0	e4.0	---
TOTAL	194.5	156.7	131.5	133.4	128.9	156.8	359.8	158.1	162.1	157.6	182.2	107.0
MEAN	6.27	5.22	4.24	4.30	4.44	5.06	12.0	5.10	5.40	5.08	5.88	3.57
MAX	7.0	6.3	5.5	5.5	5.2	6.3	34	10	6.0	6.5	30	4.5
MIN	6.0	2.0	3.0	3.5	3.5	4.5	5.1	3.6	3.6	4.2	3.3	3.0
AC-FT	386	311	261	265	256	311	714	314	322	313	361	212

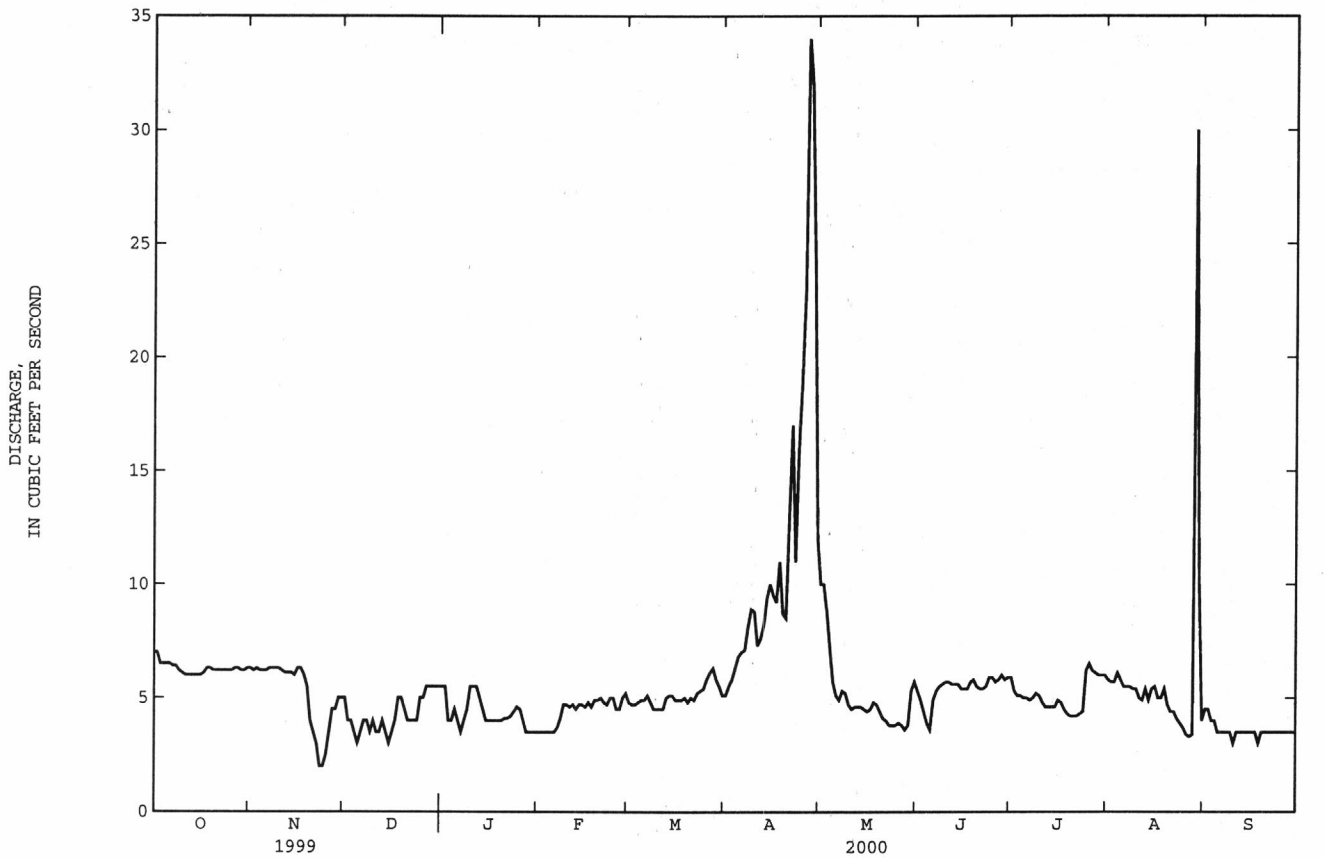
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-55, 1958-2000, BY WATER YEAR (WY)

MEAN	3.09	2.86	2.27	2.23	2.26	2.77	6.95	17.3	7.34	5.67	4.94	4.18
MAX	9.65	8.09	6.25	6.20	6.70	6.78	28.9	50.9	34.5	25.4	15.2	16.5
(WY)	1999	1999	1984	1999	1984	1999	1987	1958	1983	1983	1983	1998
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

09337000 PINE CREEK NEAR ESCALANTE, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951-55, 1958-2000	
ANNUAL TOTAL	3419.2		2028.6			
ANNUAL MEAN	9.37		5.54		5.18	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					.62	1977
HIGHEST DAILY MEAN	80	Sep 16	34	Apr 27	205	May 18 1964
LOWEST DAILY MEAN	2.0	Nov 23	2.0	Nov 23	.00	Mar 12 1954
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 20	2.9	Nov 20	.00	Jun 17 1954
ANNUAL RUNOFF (AC-FT)	6780		4020		3750	
10 PERCENT EXCEEDS	15		6.5		9.5	
50 PERCENT EXCEEDS	7.0		5.0		3.1	
90 PERCENT EXCEEDS	5.0		3.5		.60	

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 is 5,670 ft above sea level, from topographic map. Prior to April 30, 1913, staff at approximately same site at different datum.

REMARKS.--Records fair except for discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. Considerable regulation of low flows by diversion into Wide Hollow Reservoir (an off-stream storage site about 4 mi upstream; capacity 2,320 acre-feet) and by diversion on Pine Creek for irrigation of about 2,300 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,550 ft^3/s, Aug 24, 1998, gage height, 11.05 ft, from rating curve extended above 150 ft^3/s on basis of slope-area measurements at gage heights, 5.31 ft, 6.25 ft, 7.59 ft, and 11.05 ft; minimum daily, 0.07 ft^3/s, Jul 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 967 ft^3/s, Aug 29, gage height, 5.35 ft; minimum daily discharge, 0.32 ft^3/s, Sep 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e8.0	8.0	11	23	17	21	8.3	4.6	.83	.79	.74	5.3
2	e7.5	7.7	8.0	19	17	19	6.8	5.0	.73	.71	.74	5.3
3	e7.5	7.4	6.1	e15	18	20	4.2	4.2	.69	.67	.76	3.2
4	e7.0	6.3	4.5	e15	18	20	4.3	7.0	.64	.65	2.2	.77
5	e6.5	5.9	e4.5	e15	16	21	3.7	4.8	.63	.64	.97	.59
6	e6.0	5.9	e5.0	e15	9.3	22	4.9	1.3	.57	.63	.73	.59
7	5.8	5.7	5.2	e15	14	21	6.5	1.3	.56	.58	.69	.57
8	5.6	6.5	6.3	e15	17	22	7.1	1.5	.57	.65	.73	.59
9	4.6	5.7	5.6	e13	14	22	7.2	1.5	.59	.72	.68	.47
10	3.3	3.8	8.4	e12	11	17	6.9	1.4	.46	.84	.65	.39
11	3.0	5.5	8.5	e16	20	16	6.1	1.3	.40	.81	.62	.42
12	3.2	5.7	11	e16	21	22	4.7	1.3	.45	.71	.55	.53
13	3.4	6.0	7.8	18	20	20	4.7	1.4	.45	.60	1.7	.53
14	3.3	7.2	e7.0	15	20	24	3.9	1.4	.48	.70	1.8	.55
15	3.3	7.8	e6.0	15	20	22	4.6	1.2	.99	1.0	.85	.56
16	3.6	7.3	4.1	15	19	19	5.3	1.1	.53	.90	.60	.49
17	4.2	6.2	4.8	22	20	11	4.9	1.1	.52	.72	.75	.41
18	6.6	6.9	8.1	23	19	13	5.7	1.1	.55	.71	.75	.32
19	6.4	6.6	7.7	19	14	16	5.0	1.1	.64	.62	.78	.41
20	4.3	7.8	5.8	16	9.7	17	4.7	1.1	.56	.70	.71	.45
21	4.2	7.5	5.6	18	19	18	6.4	1.8	.51	.55	.68	.45
22	4.5	e5.0	e7.0	14	22	18	9.2	1.2	.49	.55	.70	.44
23	5.0	e4.0	e8.0	11	20	11	6.0	.99	.52	.61	1.0	.45
24	3.1	e4.5	e12	17	21	17	7.9	.89	.55	.70	.79	.47
25	4.1	e4.5	14	18	16	17	9.1	1.0	.62	.71	2.1	.47
26	4.5	e7.5	15	19	16	15	10	.97	.77	.80	1.3	.47
27	4.6	8.6	16	15	19	22	14	.82	.80	.66	.91	.47
28	5.6	12	16	10	22	22	16	.78	.88	.74	12	.42
29	5.7	13	17	e9.0	20	16	14	.86	.81	.74	125	.46
30	5.7	12	18	10	---	16	6.2	.87	.84	.74	38	.49
31	6.9	---	16	16	---	13	---	.83	---	.74	3.9	---
TOTAL	157.0	208.5	280.0	489.0	509.0	570	208.3	55.71	18.63	21.89	204.38	27.03
MEAN	5.06	6.95	9.03	15.8	17.6	18.4	6.94	1.80	.62	.71	6.59	.90
MAX	8.0	13	18	23	22	24	16	7.0	.99	1.0	125	5.3
MIN	3.0	3.8	4.1	9.0	9.3	11	3.7	.78	.40	.55	.55	.32
AC-FT	311	414	555	970	1010	1130	413	111	37	43	405	54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912, 1943-55, 1973-2000, BY WATER YEAR (WY)

MEAN	7.76	7.05	7.43	8.75	10.5	12.5	14.2	22.5	18.4	6.31	8.64	7.37
MAX	29.9	23.8	18.1	26.4	23.8	39.7	54.8	124	125	30.5	30.8	39.4
(WY)	1973	1988	1943	1950	1943	1989	1993	1973	1983	1944	1983	1998
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912,1943-55,1973-2000	
ANNUAL TOTAL	5925.54		2749.44			
ANNUAL MEAN	16.2		7.51		11.1	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	139	Sep 16	125	Aug 29	367	Sep 11 1998
LOWEST DAILY MEAN	.94	Jul 6	.32	Sep 18	.07	Jul 11 1990
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 1	.42	Sep 17	.18	Aug 26 1990
ANNUAL RUNOFF (AC-FT)	11750		5450		8040	
10 PERCENT EXCEEDS	29		19		24	
50 PERCENT EXCEEDS	12		5.0		5.0	
90 PERCENT EXCEEDS	4.5		.56		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, 1996.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 25	1915	*132	*3.80	No other peak greater than base discharge.			

Minimum daily discharge, 0.05 ft^3/s, Aug 17, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.18	.32	.15	e.12	e.13	.14	.59	3.4	1.1	.30	e.14	e.10
2	e.18	.28	e.14	e.12	e.14	.14	.59	3.1	1.2	.25	e.14	e.10
3	e.17	.26	e.12	e.10	e.14	.15	.66	2.8	1.1	.22	e.14	e.10
4	e.17	.29	e.11	e.11	e.13	.18	.94	2.6	.87	.22	e.13	e.09
5	e.17	.31	e.12	e.11	e.14	.19	1.5	2.6	.72	.22	e.13	e.09
6	.18	.31	e.12	e.11	e.14	.33	2.1	2.6	.57	.21	e.13	e.09
7	.22	.32	e.12	e.11	e.15	.12	2.5	2.5	.51	.18	e.12	e.08
8	.22	.32	e.12	e.11	e.14	.18	3.0	2.8	.48	.18	e.12	e.16
9	.22	.31	e.11	e.12	e.14	.24	4.0	2.5	.47	.18	e.13	e.11
10	.21	.28	e.12	e.12	e.14	.14	3.9	2.3	.44	.18	.09	e.10
11	.22	.28	e.11	e.13	.14	.11	3.7	2.1	.44	.18	.08	e.09
12	.22	.28	e.12	e.13	.14	.08	4.1	1.9	.44	.18	.08	e.09
13	.22	.31	e.12	e.14	.15	.18	4.2	1.9	.42	.18	.08	e.09
14	.22	.32	e.11	e.15	.14	.28	3.4	1.7	.38	.18	.08	e.09
15	.24	.21	e.11	e.16	.14	.37	3.2	1.5	.38	.36	.08	e.09
16	.24	.18	e.12	e.16	.14	.25	3.4	1.2	.36	.27	.06	e.08
17	.27	.18	e.12	e.16	.16	.29	2.9	1.1	.32	.27	.05	e.08
18	.30	.18	e.12	e.16	.15	.22	2.8	1.1	.32	.27	.07	e.08
19	.32	e.18	e.12	e.17	.15	.26	2.5	1.1	.32	.24	.09	e.08
20	.34	.18	e.12	e.16	.15	.19	2.4	1.0	.32	.22	.08	e.08
21	.30	.18	e.11	e.16	.14	.24	2.4	.98	.32	.19	.08	e.08
22	.27	.18	e.11	e.15	.14	.21	2.2	.90	.32	.18	.08	e.08
23	.27	e.17	e.12	e.15	.15	.52	2.1	.87	.32	.17	.08	e.07
24	.27	e.16	e.12	e.15	.14	.56	1.8	.88	.32	.14	.05	e.07
25	.27	e.16	e.13	e.15	.15	.68	1.6	.92	.30	.14	6.1	e.07
26	.28	e.16	e.13	e.15	e.13	.77	1.6	.92	.27	.14	e.40	e.07
27	.27	e.17	e.13	e.14	e.14	.81	1.7	.92	.27	.14	e.20	e.06
28	.27	e.17	e.14	e.13	.14	1.2	2.6	1.0	.27	.14	e.12	e.06
29	.27	e.17	e.13	e.14	.15	.75	3.8	1.0	.27	.12	e.10	e.20
30	.30	e.16	e.13	e.14	---	.60	3.5	.98	.27	.11	e.60	e.08
31	.31	---	e.13	e.13	---	.48	---	.92	---	.15	e.20	---
TOTAL	7.59	6.98	3.78	4.24	4.13	10.86	75.68	52.09	14.09	6.11	10.03	2.71
MEAN	.24	.23	.12	.14	.14	.35	2.52	1.68	.47	.20	.32	.090
MAX	.34	.32	.15	.17	.16	1.2	4.2	3.4	1.2	.36	6.1	.20
MIN	.17	.16	.11	.10	.13	.08	.59	.87	.27	.11	.05	.06
AC-FT	15	14	7.5	8.4	8.2	22	150	103	28	12	20	5.4

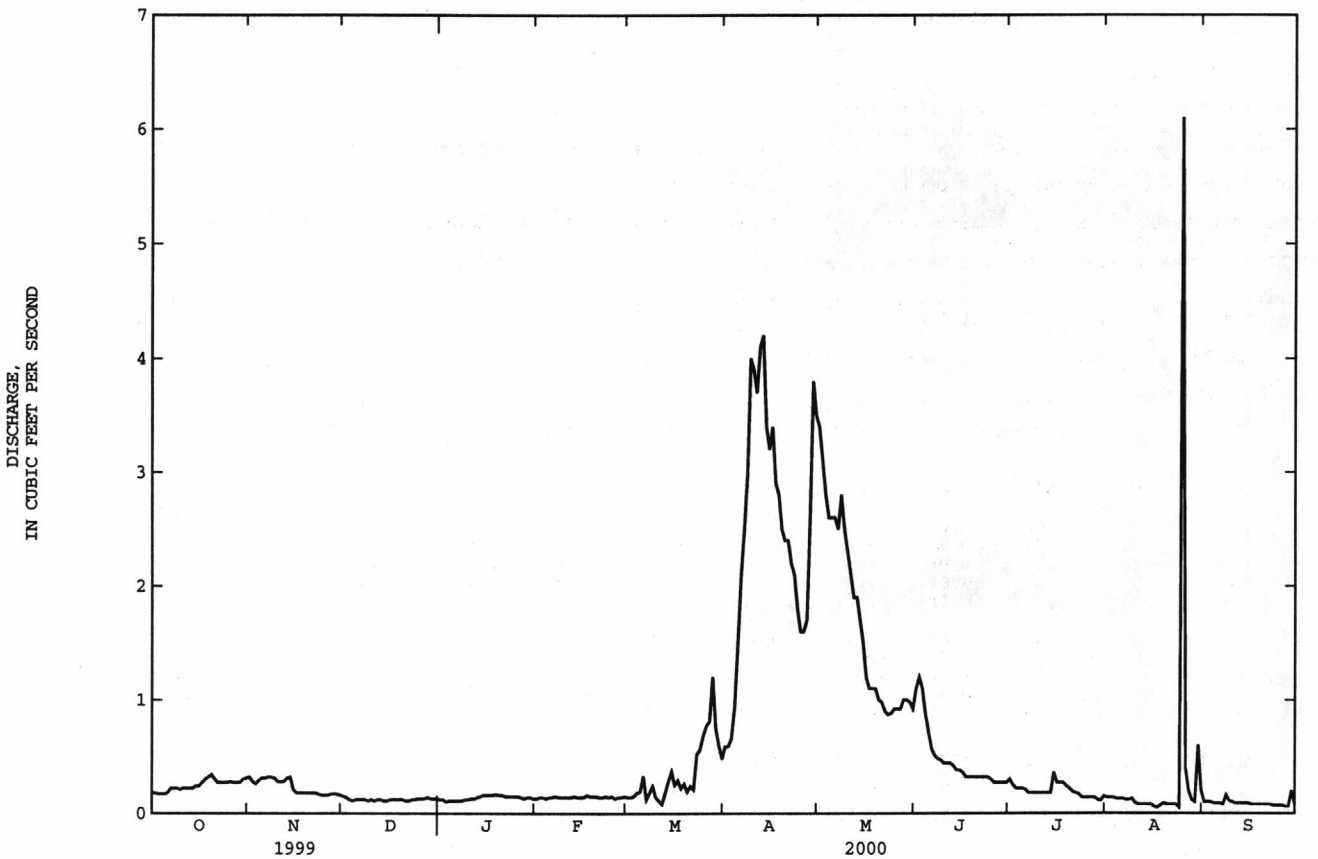
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2000, BY WATER YEAR (WY)

MEAN	.23	.60	.19	.17	.30	2.08	6.08	7.40	3.13	.64	.30	.27
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	.097	.076	.077	.075	.070	.080	.097	.074	.052	.14	.062	.075
(WY)	1997	1997	1997	1990	1993	1996	1996	1996	1996	1994	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1986 - 2000	
ANNUAL TOTAL	326.54		198.29			
ANNUAL MEAN	.89		.54		1.78	
HIGHEST ANNUAL MEAN					5.89	1993
LOWEST ANNUAL MEAN					.14	1996
HIGHEST DAILY MEAN	5.8	Apr 29	6.1	Aug 25	60	May 17 1993
LOWEST DAILY MEAN	.05	Mar 28	.05	Aug 17	.01	Aug 19 1996
ANNUAL SEVEN-DAY MINIMUM	.07	Mar 23	.07	Sep 22	.02	Aug 14 1996
ANNUAL RUNOFF (AC-FT)	648		393		1290	
10 PERCENT EXCEEDS	3.5		1.7		5.1	
50 PERCENT EXCEEDS	.24		.18		.22	
90 PERCENT EXCEEDS	.12		.09		.08	

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT--Continued



09378630 RECAPTURE CREEK NEAR BLANDING, UT

LOCATION.--Lat 37°45'20", long 109°28'33", in NW¼NE¼NW¼ sec. 11, T. 35 S., R. 22 E., San Juan County, Hydrologic Unit 14080201, on right bank 100 ft below road fork, 1.9 mi north of Manti-LaSal National Forest boundary, and 9.4 mi north of Blanding.

DRAINAGE AREA.--3.77 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 (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 29	1858	*4.4	*1.00				

No flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.02	e.02	e.01	e.01	.02	.34	2.8	.40	.02	.00	.00
2	.02	.02	e.02	e.01	e.02	.03	.33	2.5	.27	.01	.00	.00
3	.02	.02	e.01	e.01	e.02	.02	.45	2.4	.49	.01	.00	.00
4	.02	.02	e.01	e.01	e.01	.03	.80	2.2	.35	.00	.00	.00
5	.02	.02	e.01	e.01	e.02	.04	1.3	2.2	.19	.00	.00	.00
6	.02	.02	e.01	e.01	e.02	.05	1.8	2.2	.38	.00	.00	.00
7	.02	.02	e.01	e.01	e.02	.05	2.0	2.0	.48	.00	.00	.00
8	.02	.02	e.01	e.01	e.02	.05	2.0	2.0	.13	.00	.00	.00
9	.02	.02	e.01	e.01	e.02	.06	2.2	1.7	.16	.00	.00	.00
10	.02	.02	e.01	e.01	e.02	.08	2.6	1.4	.15	.00	.00	.00
11	.02	.02	e.01	e.01	e.02	.15	2.1	1.2	.15	.00	.00	.00
12	.02	.02	e.01	e.01	.02	.14	2.0	1.1	.20	.00	.00	.00
13	.02	.02	e.01	e.02	.01	.04	2.6	.92	.19	.00	.00	.00
14	.02	.03	e.01	e.02	.02	.06	3.1	.79	.09	.00	.00	.00
15	.02	.01	e.01	e.02	.02	.08	2.7	.71	.12	.00	.00	.00
16	.02	.01	e.01	e.02	.02	.06	2.3	.65	.15	.00	.00	.00
17	.02	.01	e.01	e.02	.02	.06	2.4	.65	.11	.00	.00	.00
18	.02	.01	e.01	e.02	.02	.05	2.8	.58	.11	.00	.00	.00
19	.02	.01	e.01	e.02	.03	.05	2.7	.65	.13	.00	.00	.00
20	.02	.02	e.01	e.02	.03	.05	2.2	.69	.08	.00	.00	.00
21	.02	e.01	e.01	e.02	.04	.05	2.3	.35	.06	.00	.00	.00
22	.02	e.01	e.01	e.01	.02	.07	2.4	.26	.06	.00	.00	.00
23	.02	e.01	e.01	e.01	.02	.10	2.2	.20	.05	.00	.00	.00
24	.02	e.01	e.01	e.01	.02	.15	2.2	.19	.05	.00	.00	.00
25	.02	e.02	e.02	e.01	.03	.15	2.5	.21	.05	.00	.00	.00
26	.02	e.02	e.02	e.01	.03	.15	2.6	.20	.04	.00	.00	.00
27	.02	e.02	e.02	e.01	.05	.31	3.1	.17	.03	.00	.00	.00
28	.02	e.02	e.02	e.01	.07	1.2	3.7	.15	.03	.00	.00	.00
29	.02	e.02	e.02	e.01	.05	.73	4.2	.17	.03	.00	.00	.00
30	.02	e.02	e.02	e.01	---	.65	3.5	.29	.03	.00	.00	.00
31	.02	---	e.02	e.01	---	.47	---	.30	---	.00	.00	---
TOTAL	0.62	0.52	0.40	0.40	0.72	5.20	67.42	31.83	4.76	0.04	0.00	0.00
MEAN	.020	.017	.013	.013	.025	.17	2.25	1.03	.16	.001	.000	.000
MAX	.02	.03	.02	.02	.07	1.2	4.2	2.8	.49	.02	.00	.00
MIN	.02	.01	.01	.01	.01	.02	.33	.15	.03	.00	.00	.00
AC-FT	1.2	1.0	.8	.8	1.4	10	134	63	9.4	.08	.00	.00

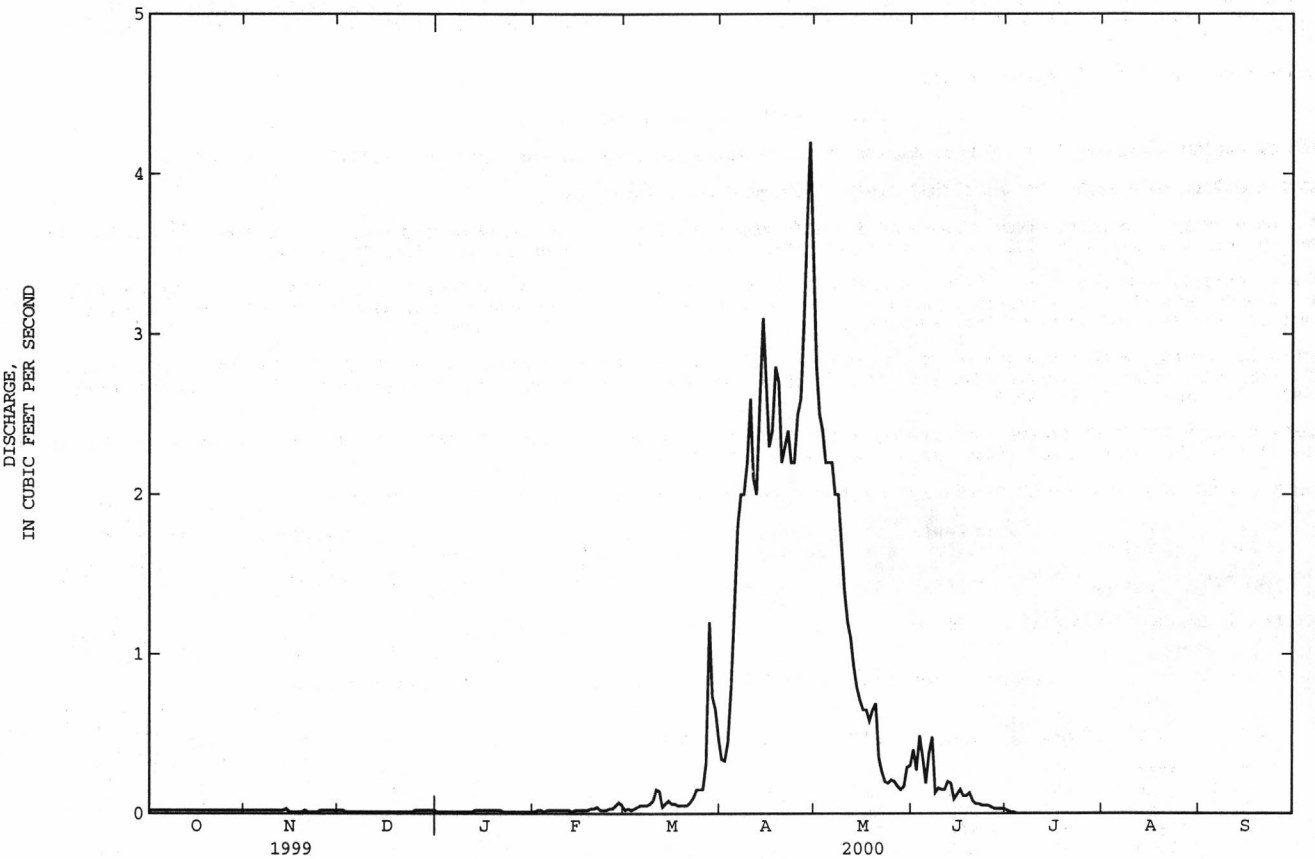
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2000, BY WATER YEAR (WY)

MEAN	.17	.13	.051	.036	.12	1.63	4.80	6.39	2.21	.16	.055	.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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966 - 2000	
ANNUAL TOTAL	114.09		111.91			
ANNUAL MEAN	.31		.31		1.32	
HIGHEST ANNUAL MEAN					4.60	1983
LOWEST ANNUAL MEAN					.008	1977
HIGHEST DAILY MEAN	4.1	May 10	4.2	Apr 29	57	Oct 20 1972
LOWEST DAILY MEAN	.01	Feb 11	.00	Jul 4	.00	Dec 20 1965
ANNUAL SEVEN-DAY MINIMUM	.01	Mar 3	.00	Jul 4	.00	Dec 20 1965
ANNUAL RUNOFF (AC-FT)	226		222		954	
10 PERCENT EXCEEDS	.89		1.2		3.7	
50 PERCENT EXCEEDS	.02		.02		.03	
90 PERCENT EXCEEDS	.01		.00		.00	

e Estimated

09378630 RECAPTURE CREEK NEAR BLANDING, UT--Continued



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 March 16, 1927, chain gages at sites about 1,700 ft downstream at different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation of approximately 200,000 acres above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100 in New Mexico report).

EXTREMES FOR PERIOD OF RECORD.--(water years 1914-17, 1927-2000) maximum discharge, 70,000 ft^3/s, Sep 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 Jul 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 Sep 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)
Jun 7	1545	*5,310	*7.53				

Minimum discharge, 235 ft^3/s, Jul 28, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	994	883	861	873	777	1870	2340	3970	462	291	1540
2	1720	951	874	845	852	764	2980	2020	4450	468	290	1140
3	1750	1060	863	865	854	780	2810	1830	4880	470	298	1000
4	1660	972	860	838	906	794	2380	1950	4860	454	313	971
5	1590	966	865	829	891	799	2060	2620	4750	418	517	938
6	1570	961	876	830	892	841	1510	2950	4720	373	457	894
7	1600	970	856	865	868	902	1460	3200	5120	331	438	905
8	1530	947	896	871	895	890	1540	3120	4390	753	474	898
9	1510	939	905	852	885	1040	1650	3150	3740	e445	490	909
10	1430	920	931	891	877	1010	1760	3380	3150	e490	477	899
11	1460	854	923	932	894	931	1730	2710	2850	487	434	1080
12	1420	853	886	939	896	918	1930	2420	2540	520	450	996
13	1420	874	865	854	855	892	1810	2600	2430	490	434	854
14	1360	853	862	827	837	874	1610	2390	1860	444	470	688
15	1300	858	815	841	874	818	1660	2060	1230	404	732	644
16	1130	844	842	839	816	844	1740	1730	1080	375	779	622
17	1150	e870	862	850	829	827	1760	1520	1020	365	815	542
18	1230	e900	883	864	847	830	1510	1410	982	364	755	478
19	1220	e910	943	889	861	820	1330	1580	927	499	717	463
20	1200	e918	958	890	851	827	1590	1510	818	504	756	456
21	1180	e925	942	893	801	851	1590	1330	754	407	933	470
22	956	e920	886	873	775	893	1420	1170	703	367	1080	580
23	916	e914	833	845	759	1060	1330	1050	642	344	1000	576
24	893	e910	849	841	758	1460	1390	1640	596	339	1020	610
25	848	899	867	822	775	1590	1330	3090	524	303	925	632
26	848	854	902	814	799	1330	1320	3670	469	303	805	725
27	847	844	902	966	796	1150	1550	3130	478	280	733	713
28	822	864	925	1070	820	1090	1680	2420	442	252	747	760
29	856	877	881	1050	792	1160	2120	2060	418	247	708	725
30	921	897	892	921	---	1210	2470	2710	449	303	810	672
31	995	---	902	890	---	1340	---	3300	---	299	1420	---
TOTAL	39082	27318	27429	27257	24428	30312	52890	72060	65242	12560	20568	23380
MEAN	1261	911	885	879	842	978	1763	2325	2175	405	663	779
MAX	1750	1060	958	1070	906	1590	2980	3670	5120	753	1420	1540
MIN	822	844	815	814	758	764	1320	1050	418	247	290	456
AC-FT	77520	54190	54410	54060	48450	60120	104900	142900	129400	24910	40800	46370

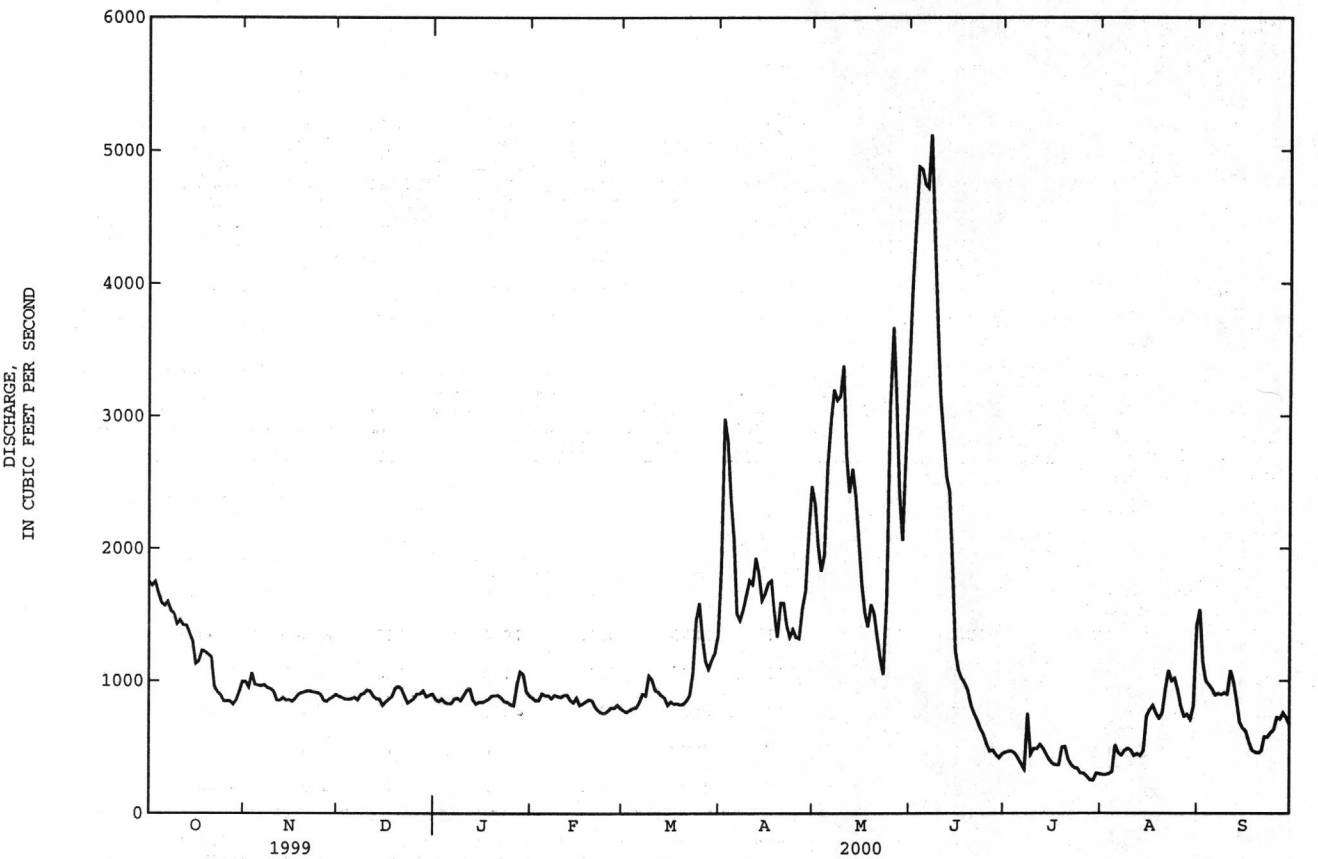
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-2000, BY WATER YEAR (WY)

MEAN	1555	1239	1103	1121	1428	1880	3444	5278	5671	2541	1795	1649
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

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915-17, 1927-2000	
ANNUAL TOTAL	878755		422526			
ANNUAL MEAN	2408		1154		2290	
HIGHEST ANNUAL MEAN					5859	1941
LOWEST ANNUAL MEAN					844	1977
HIGHEST DAILY MEAN	7760	Sep 5	5120	Jun 7	52000	Jun 30 1927
LOWEST DAILY MEAN	652	Apr 15	247	Jul 29	.00	Jul 3 1934
ANNUAL SEVEN-DAY MINIMUM	754	Apr 9	280	Jul 27	.00	Jul 3 1934
ANNUAL RUNOFF (AC-FT)	1743000		838100		1659000	
10 PERCENT EXCEEDS	6190		2060		5920	
50 PERCENT EXCEEDS	1060		892		1320	
90 PERCENT EXCEEDS	855		466		502	

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 July 13, 1999, July 15, 2000 to September 30, 2000.
WATER TEMPERATURE: May 1944 to September 1961, October 1964 to September 6, 1999, July 15, 2000 to September 30, 2000.
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 October 1980 to September 6, 1999, July 15, 2000 to September 30, 2000.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,790 microsiemens, Sep 19, 1959; minimum daily, 208 microsiemens, Jun 17, 1952.
WATER TEMPERATURE: Maximum, 33.4°C, Aug 14, 1998; minimum, 0.0°C, on many days during winter period of most years.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 383,000 mg/L, Sep 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: None determined this year.
WATER TEMPERATURE: None determined this year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	UV ABSORB-ANCE 280 NM, WTR FLT (UNITS /CM) (61726)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)
OCT											
20...	1230	ENVIRONMENTAL	1130	--	659	99	9.8	8.3	660	11.5	9.5
NOV											
29...	1200	ENVIRONMENTAL	871	.041	662	98	11.3	8.2	800	10.5	3.5
DEC											
20...	1030	ENVIRONMENTAL	948	.040	652	104	13.0	8.1	770	-2.0	.0
MAR											
27...	1200	ENVIRONMENTAL	1170	.067	650	104	9.4	8.2	930	16.5	12.5
APR											
19...	1230	ENVIRONMENTAL	1290	.046	650	102	9.3	8.1	570	19.0	12.0
MAY											
31...	1230	ENVIRONMENTAL	2770	.040	645	100	7.7	8.0	340	31.5	20.0
JUL											
14...	1100	ENVIRONMENTAL	434	.059	650	106	7.2	8.2	720	29.0	26.0
14...	1110	REPLICATE	434	.060	650	106	7.2	8.2	720	29.0	26.0
27...	1130	ENVIRONMENTAL	286	.049	650	108	7.4	8.4	730	35.0	26.0
AUG											
30...	1145	ENVIRONMENTAL	705	.058	649	114	8.3	8.4	730	26.0	23.0
SEP											
14...	1030	ENVIRONMENTAL	760	.050	653	102	7.9	8.5	670	23.0	20.0

DATE	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	HARD-NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD-NESS NONCARB DISSOLV LAB AS CACO3 (MG/L) (00905)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)
OCT												
20...	240	110	110	67	18	2.4	1	40	26	128	156	0
NOV												
29...	290	150	140	78	22	2.9	1	55	29	136	165	0
DEC												
20...	290	150	140	79	21	2.6	1	51	28	138	169	0
MAR												
27...	250	120	100	74	15	3.4	3	97	46	126	154	0
APR												
19...	210	110	93	59	15	1.9	1	34	26	102	124	0
MAY												
31...	130	54	50	39	7.5	1.5	.7	17	22	74	90	0
JUL												
14...	260	140	130	69	21	2.9	1	56	31	124	151	0
14...	260	130	130	67	21	2.9	1	51	30	123	150	0
27...	270	150	150	68	24	2.9	1	53	30	117	134	4
AUG												
30...	260	130	130	73	19	2.7	1	48	28	133	152	5
SEP												
14...	270	140	130	76	19	2.8	1	43	25	132	144	8

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT											
20...	13	.31	6.6	210	<.020	.16	.35	--	<.050	--	<.010
NOV											
29...	18	.32	7.7	260	<.020	.13	.23	.53	.400	.63	<.010
DEC											
20...	19	.29	9.5	240	<.020	.16	.29	.69	.533	.83	<.010
MAR											
27...	18	.39	8.9	310	<.020	.20	5.0	1.2	.961	5.9	<.010
APR											
19...	11	.35	8.0	160	<.020	.10	.59	.52	.421	1.0	<.010
MAY											
31...	6.9	.27	6.2	80	<.020	.10	.74	.29	.184	.93	<.010
JUL											
14...	17	.33	6.3	230	<.020	.21	.59	--	<.050	--	<.010
14...	18	.34	5.7	240	<.020	.21	.57	--	<.050	--	<.010
27...	16	.26	5.7	240	<.020	.18	.38	--	<.050	--	<.010
AUG											
30...	15	.31	7.8	220	<.020	.18	1.4	.39	.209	1.6	<.010
SEP											
14...	14	.34	8.3	200	<.020	.18	.54	.36	.183	.72	<.010

DATE	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	UV ABSORBANCE 254 NM, WTR FLT (UNITS /CM) (50624)	GAGE HEIGHT (FEET) (00065)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)
OCT											
20...	--	E.004	<.001	.069	.066	4.24	.61	1380	452	430	23
NOV											
29...	--	E.003	<.001	.019	.057	3.96	.76	1320	562	525	3.5
DEC											
20...	--	E.003	<.001	.037	.056	4.06	.74	1390	544	513	18
MAR											
27...	.03	.010	.010	1.95	.090	4.24	.86	2010	636	607	6900
APR											
19...	.02	.015	.008	.244	.063	4.36	.51	1320	378	349	110
MAY											
31...	.02	.010	.006	.478	.055	5.60	.30	1650	221	203	87
JUL											
14...	--	<.006	<.001	.185	.083	3.37	.68	587	501	482	86
14...	M	<.006	.001	.178	.085	3.37	.69	598	510	478	82
27...	M	<.006	.001	.059	.069	3.05	.69	390	505	483	49
AUG											
30...	.01	.006	.002	.584	.080	3.71	.68	957	503	471	580
SEP											
14...	.02	.008	.006	.159	.069	3.76	.64	964	470	441	88

DATE	TIME	SAMPLE TYPE	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)
OCT											
20...	1230	ENVIRONMENTAL	--	--	<2	--	--	61	--	--	--
NOV											
29...	1200	ENVIRONMENTAL	--	--	<2	--	--	67	--	--	--
DEC											
20...	1030	ENVIRONMENTAL	20	1.3	<2	24	<1.0	78	<1.0	<.80	1.3
MAR											
27...	1200	ENVIRONMENTAL	1.4	<1.0	<2	93	<1.0	68	<1.0	<1.0	<1.0
APR											
19...	1230	ENVIRONMENTAL	--	--	<2	--	--	38	--	--	--
MAY											
31...	1230	ENVIRONMENTAL	20	<1.0	<2	54	<1.0	28	<1.0	<.80	<1.0
JUL											
14...	1100	ENVIRONMENTAL	--	--	<2	--	--	66	--	--	--
14...	1110	REPLICATE	--	--	E1	--	--	66	--	--	--
27...	1130	ENVIRONMENTAL	--	--	E1	--	--	72	--	--	--
AUG											
30...	1145	ENVIRONMENTAL	2.6	<1.0	E1	111	<1.0	63	<1.0	<.80	<1.0
SEP											
14...	1030	ENVIRONMENTAL	--	--	<2	--	--	62	--	--	--

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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												
20...	--	<10	--	27	--	--	--	<2	--	856	<10	--
NOV												
29...	--	<10	--	32	--	--	--	E1	--	1160	<10	--
DEC												
20...	1.2	<10	<1.0	36	88	<1.0	5.9	E2	<1.0	1060	<10	13
MAR												
27...	2.9	<10	<1.0	26	<1.0	3.2	2.7	E1	<1.0	1090	<10	6.8
APR												
19...	--	<10	--	19	--	--	--	<2	--	719	<10	--
MAY												
31...	2.4	<10	<1.0	13	<1.0	1.2	1.5	<2	<1.0	447	<10	5.4
JUL												
14...	--	<10	--	40	--	--	--	<2	--	1100	<10	--
14...	--	<10	--	34	--	--	--	<2	--	1040	E6	--
27...	--	<10	--	35	--	--	--	<2	--	1060	<10	--
AUG												
30...	2.9	<10	<1.0	31	<1.0	2.2	<1.0	<2	<1.0	1100	<10	1.6
SEP												
14...	--	<10	--	33	--	--	--	E1	--	1020	<10	--

DATE	TIME	SAMPLE TYPE	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)
OCT											
20...	1230	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.005	<.0020	<.0020	<.0030	<.0030
NOV											
29...	1200	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.010	<.0020	<.0020	<.0030	<.0030
DEC											
20...	1030	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.005	<.0020	<.0020	<.0030	<.0030
MAR											
27...	1200	ENVIRONMENTAL	--	--	--	--	--	--	--	--	--
APR											
19...	1230	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.007	<.0020	<.0020	<.0030	<.0030
MAY											
31...	1230	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0100
JUL											
14...	1100	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
14...	1110	REPLICATE	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
27...	1130	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	<.001	<.0020	<.0020	<.0030	<.0030
AUG											
30...	1145	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	.006	<.0020	<.0020	<.0030	<.0030
SEP											
14...	1030	ENVIRONMENTAL	<.0030	<.0020	<.002	<.0020	E.004	<.0020	<.0020	<.0030	<.0030

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DIAZ-INON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)
OCT											
20...	5.0	1.0	<.0040	<.0040	<.0020	E.0042	87.5	<.002	<.001	<.0170	<.0020
NOV											
29...	2.5	.50	<.0040	<.0040	<.0020	E.0089	111	<.002	<.001	<.0170	<.0020
DEC											
20...	2.8	.60	<.0040	<.0040	E.0016	E.0061	107	<.002	<.001	<.0170	<.0020
MAR											
27...	3.6	>10	--	--	--	--	--	--	--	--	--
APR											
19...	2.8	2.2	<.0040	<.0040	<.0020	E.0079	103	<.002	<.001	<.0170	<.0020
MAY											
31...	2.3	4.0	<.0040	<.0040	<.0020	<.0020	108	<.006	<.001	<.0170	<.0020
JUL											
14...	3.3	1.5	<.0040	<.0040	<.0020	<.0020	111	<.002	<.001	<.0170	<.0020
14...	3.5	1.6	<.0040	<.0040	<.0020	<.0020	117	<.002	<.001	<.0170	<.0020
27...	2.8	.65	<.0040	<.0040	<.0020	<.0020	111	<.002	<.001	<.0170	<.0020
AUG											
30...	3.3	>5.0	<.0040	<.0040	<.0020	E.0066	112	<.002	<.001	<.0170	<.0020
SEP											
14...	2.9	2.0	<.0040	<.0040	<.0020	<.0020	95.4	<.002	<.001	<.0170	<.0020

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	HCH ALPHA D6 SRG WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
OCT											
20...	<.0040	<.0030	<.0030	102	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
NOV											
29...	<.0040	<.0030	<.0030	92.9	<.004	<.0020	<.005	<.0010	<.0060	.014	<.004
DEC											
20...	<.0040	<.0030	<.0030	106	<.004	<.0020	<.005	<.0010	<.0060	.009	<.004
MAR											
27...	--	--	--	--	--	--	--	--	--	--	--
APR											
19...	<.0040	<.0030	<.0030	83.9	<.004	<.0020	<.005	<.0010	<.0060	.005	<.004
MAY											
31...	<.0040	<.0030	<.0030	99.1	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
JUL											
14...	<.0040	<.0030	<.0030	90.9	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
14...	<.0040	<.0030	<.0030	105	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
27...	<.0040	<.0030	<.0030	98.3	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
AUG											
30...	<.0040	<.0030	<.0030	83.2	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004
SEP											
14...	<.0040	<.0030	<.0030	89.2	<.004	<.0020	<.005	<.0010	<.0060	<.002	<.004

DATE	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)
OCT											
20...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0052	<.0030	<.0070
NOV											
29...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
DEC											
20...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0048	<.0030	<.0070
MAR											
27...	--	--	--	--	--	--	--	--	--	--	--
APR											
19...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0078	<.0030	<.0070
MAY											
31...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
JUL											
14...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0089	<.0030	<.0070
14...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0096	<.0030	<.0070
27...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0061	<.0030	<.0070
AUG											
30...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	<.0180	<.0030	<.0070
SEP											
14...	<.0040	<.0030	<.0060	<.004	<.0040	<.0040	<.0050	<.0020	E.0030	<.0030	<.0070

DATE	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SAMPLE VOLUME SCHED-ULE 2001 (ML) (99856)	SET NUMBER SCHED-ULE 2001 (NO.) (99818)
OCT											
20...	<.0040	<.100	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	854	9298.00
NOV											
29...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	840	9336.00
DEC											
20...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	819	9357.10
MAR											
27...	--	--	--	--	--	--	--	--	--	--	90.03
APR											
19...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	892	112.05
MAY											
31...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	917	157.09
JUL											
14...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	206.01
14...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	884	206.01
27...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	862	216.02
AUG											
30...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	909	249.03
SEP											
14...	<.0040	<.0130	<.0050	<.0100	<.0070	<.0130	<.0020	<.0010	<.0020	917	263.07

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT			
20...	1230	ENVIRONMENTAL	--
NOV			
29...	1200	ENVIRONMENTAL	--
DEC			
20...	1030	ENVIRONMENTAL	<1.0
MAR			
27...	1200	ENVIRONMENTAL	4.3
APR			
19...	1230	ENVIRONMENTAL	--
MAY			
31...	1230	ENVIRONMENTAL	<1.0
JUL			
14...	1100	ENVIRONMENTAL	--
14...	1110	REPLICATE	--
27...	1130	ENVIRONMENTAL	--
AUG			
30...	1145	ENVIRONMENTAL	2.4
SEP			
14...	1030	ENVIRONMENTAL	--

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	905	844	865	972	835	905
2	---	---	---	---	---	---	892	865	879	972	876	928
3	---	---	---	---	---	---	892	859	878	905	803	830
4	---	---	---	---	---	---	903	884	894	806	754	773
5	---	---	---	---	---	---	897	826	867	765	751	757
6	---	---	---	---	---	---	826	685	739	751	735	743
7	---	---	---	---	---	---	703	678	691	807	721	732
8	---	---	---	---	---	---	710	680	694	828	743	769
9	---	---	---	---	---	---	700	662	682	764	727	744
10	---	---	---	---	---	---	687	658	672	769	733	742
11	---	---	---	---	---	---	678	663	673	806	765	785
12	---	---	---	---	---	---	697	669	684	808	790	796
13	---	---	---	---	---	---	762	675	703	808	752	768
14	---	---	---	---	---	---	876	726	778	752	741	747
15	---	---	---	827	806	818	784	739	759	766	751	756
16	---	---	---	850	805	832	759	712	730	766	756	759
17	---	---	---	863	840	852	887	708	791	767	750	755
18	---	---	---	870	845	859	1070	724	782	804	767	782
19	---	---	---	892	853	869	779	677	707	817	804	813
20	---	---	---	857	791	822	713	677	694	831	816	823
21	---	---	---	936	796	856	741	696	721	859	831	848
22	---	---	---	921	840	876	733	681	712	857	801	826
23	---	---	---	840	809	819	730	688	710	812	764	780
24	---	---	---	836	807	821	699	675	693	777	744	752
25	---	---	---	860	816	835	683	660	671	747	727	735
26	---	---	---	860	844	852	1100	680	877	751	719	739
27	---	---	---	873	846	859	968	769	826	723	711	716
28	---	---	---	915	866	891	786	726	764	731	723	728
29	---	---	---	989	906	934	779	749	760	724	634	702
30	---	---	---	989	942	960	1370	766	860	721	709	716
31	---	---	---	952	902	919	2160	796	1070	---	---	---
MONTH	---	---	---	---	---	---	2160	658	769	972	634	775

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	30.0	23.5	26.4	22.8	19.8	21.3
2	---	---	---	---	---	---	30.6	24.1	26.9	21.1	18.4	19.8
3	---	---	---	---	---	---	30.1	25.2	27.1	21.6	18.6	20.0
4	---	---	---	---	---	---	30.4	24.9	26.7	22.4	19.2	20.8
5	---	---	---	---	---	---	28.5	24.2	26.2	22.1	20.6	21.2
6	---	---	---	---	---	---	29.2	24.1	26.2	20.7	19.7	20.1
7	---	---	---	---	---	---	29.1	23.4	25.8	22.5	18.8	20.6
8	---	---	---	---	---	---	28.8	23.4	25.7	22.2	20.6	21.4
9	---	---	---	---	---	---	29.7	24.5	26.6	22.5	19.0	20.7
10	---	---	---	---	---	---	28.6	24.8	26.3	22.3	18.9	20.7
11	---	---	---	---	---	---	28.8	23.6	25.6	21.8	19.0	20.6
12	---	---	---	---	---	---	29.4	24.4	26.4	22.2	18.9	20.6
13	---	---	---	---	---	---	28.9	24.2	26.4	22.5	18.9	20.7
14	---	---	---	---	---	---	28.4	24.8	26.3	23.5	19.4	21.4
15	---	---	---	28.9	24.9	26.6	28.3	24.5	26.3	24.1	20.0	21.9
16	---	---	---	27.7	25.1	26.0	28.3	24.5	26.3	24.4	20.4	22.3
17	---	---	---	30.6	24.1	26.6	26.9	24.3	25.7	24.7	20.6	22.5
18	---	---	---	29.1	24.1	26.3	26.9	23.6	25.0	24.6	21.0	22.5
19	---	---	---	27.7	22.4	24.9	27.0	22.9	24.8	23.8	19.8	21.6
20	---	---	---	27.9	22.5	25.0	27.7	23.9	25.5	23.9	19.6	21.6
21	---	---	---	27.5	22.5	24.8	25.2	23.1	23.9	22.5	19.3	20.6
22	---	---	---	28.0	21.5	24.5	24.7	21.7	23.2	20.5	17.7	18.9
23	---	---	---	29.3	22.5	25.5	25.8	22.3	24.0	17.7	15.2	16.7
24	---	---	---	29.2	24.0	26.2	26.7	23.6	25.1	17.6	13.3	15.3
25	---	---	---	30.5	24.4	26.9	27.1	23.5	25.1	17.8	13.7	15.7
26	---	---	---	29.7	23.7	26.5	26.4	23.2	24.7	17.2	14.0	15.8
27	---	---	---	29.8	24.1	26.6	26.7	23.5	24.9	17.9	15.9	17.0
28	---	---	---	30.1	23.2	26.3	27.1	23.2	24.9	20.3	16.6	18.4
29	---	---	---	29.6	22.7	25.6	25.9	23.1	24.4	21.6	18.4	19.7
30	---	---	---	28.8	23.1	25.4	25.2	22.3	23.6	22.3	18.3	20.2
31	---	---	---	28.5	22.3	25.1	23.1	20.4	22.2	---	---	---
MONTH	---	---	---	---	---	---	30.6	20.4	25.4	24.7	13.3	20.0

SUSPENDED SEDIMENT DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT							
20...	1230	ENVIRONMENTAL	1130	9.5	671	220	20
NOV							
29...	1200	ENVIRONMENTAL	871	3.5	303	129	42
DEC							
20...	1030	ENVIRONMENTAL	948	.0	271	106	36
MAR							
27...	1200	ENVIRONMENTAL	1170	12.5	26100	8250	97
APR							
19...	1230	ENVIRONMENTAL	1290	12.0	2440	701	51
MAY							
31...	1230	ENVIRONMENTAL	2770	20.0	9490	1270	38
JUL							
14...	1100	ENVIRONMENTAL	434	26.0	459	392	68
14...	1110	REPLICATE	434	26.0	438	374	68
27...	1130	ENVIRONMENTAL	286	26.0	82	106	85
AUG							
30...	1145	ENVIRONMENTAL	705	23.0	2410	1260	88
SEP							
14...	1030	ENVIRONMENTAL	760	20.0	495	241	81

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

REVISED RECORDS.--WRD UT-98-1: 1997, daily values.

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 from July 22, 1959 to September 30, 1968 at different datum. July 6, 1979 to September 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, Sep 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, 2.9 ft^3/s, Jul 27, 2000.

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)
Aug 31	0030	*26	*5.11				

Minimum daily discharge, 2.9 ft^3/s, Jul 27.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.5	7.6	7.7	7.5	8.1	12	10	7.0	5.4	4.2	3.2	8.1
2	5.3	8.5	7.7	7.1	8.3	12	10	6.8	5.4	4.0	3.1	7.5
3	5.8	7.3	6.8	e7.0	8.4	11	9.5	6.4	5.6	4.1	3.2	8.0
4	5.4	7.6	e6.5	e6.5	9.1	12	8.6	6.8	5.4	3.9	3.4	7.3
5	e5.9	7.5	e6.0	e6.5	9.1	13	9.1	6.8	5.4	4.0	3.5	7.0
6	5.9	7.6	e6.0	e6.0	8.9	13	8.7	6.3	5.6	4.0	3.6	6.7
7	6.5	7.4	e6.0	e6.5	9.0	12	9.1	6.4	5.0	4.1	3.6	6.7
8	7.1	8.2	e6.5	e7.0	9.4	13	8.2	6.3	4.7	4.7	3.8	7.0
9	7.2	8.0	e6.5	e7.0	9.1	13	7.9	6.6	5.0	4.9	3.5	7.3
10	7.6	7.3	7.0	7.4	9.6	12	7.9	6.0	5.7	4.1	3.5	6.9
11	8.6	7.4	6.5	6.5	10	12	8.1	6.3	5.7	4.9	3.3	6.5
12	8.1	7.0	6.5	6.5	12	13	8.0	6.5	5.3	4.7	3.8	6.2
13	8.1	7.6	e6.5	7.1	11	14	7.9	6.2	4.9	3.5	3.9	6.3
14	8.0	8.1	e6.0	6.9	10	14	7.8	6.4	4.7	3.9	3.5	6.4
15	8.3	7.2	e6.0	6.2	10	13	7.9	6.2	5.2	4.1	3.1	6.1
16	7.6	7.3	e6.5	6.2	9.9	11	8.3	6.0	5.1	4.0	3.8	5.7
17	7.6	8.2	6.8	6.9	11	11	7.9	6.2	5.0	4.5	4.0	5.6
18	8.7	7.5	7.1	6.7	10	10	8.0	6.5	5.4	3.7	4.0	5.5
19	8.1	7.2	7.9	7.8	10	11	9.0	6.1	5.3	3.6	4.4	5.4
20	8.4	6.9	8.2	7.7	10	11	9.6	5.4	5.0	3.7	3.9	5.7
21	8.6	7.1	7.2	7.8	12	10	8.1	5.2	4.0	3.9	3.9	5.7
22	9.0	7.1	e6.5	7.4	14	11	7.8	5.1	5.0	4.0	3.9	5.5
23	7.8	e6.5	6.7	7.0	13	11	8.3	5.2	5.3	4.0	3.8	6.1
24	8.0	e6.5	6.7	8.1	13	11	7.8	5.3	4.8	4.0	4.1	6.9
25	7.6	e6.5	7.0	8.2	12	10	7.4	5.5	4.4	3.3	4.3	6.5
26	8.2	e7.0	7.2	10	11	10	7.2	5.3	4.6	3.1	4.4	6.5
27	8.5	7.5	7.1	8.4	13	11	7.5	5.1	4.6	2.9	4.7	6.1
28	8.2	7.7	6.9	8.0	13	11	7.1	5.0	4.4	3.4	4.3	5.5
29	8.1	7.9	7.8	8.1	11	11	7.1	5.1	4.7	3.5	4.3	5.7
30	8.6	7.5	6.7	7.9	---	10	7.4	4.3	4.6	3.1	5.5	7.0
31	8.0	---	7.3	8.8	---	11	---	5.1	---	3.2	12	---
TOTAL	236.3	222.7	211.8	226.7	304.9	360	247.2	183.4	151.2	121.0	127.3	193.4
MEAN	7.62	7.42	6.83	7.31	10.5	11.6	8.24	5.92	5.04	3.90	4.11	6.45
MAX	9.0	8.5	8.2	10	14	14	10	7.0	5.7	4.9	12	8.1
MIN	5.3	6.5	6.0	6.0	8.1	10	7.1	4.3	4.0	2.9	3.1	5.4
AC-FT	469	442	420	450	605	714	490	364	300	240	252	384

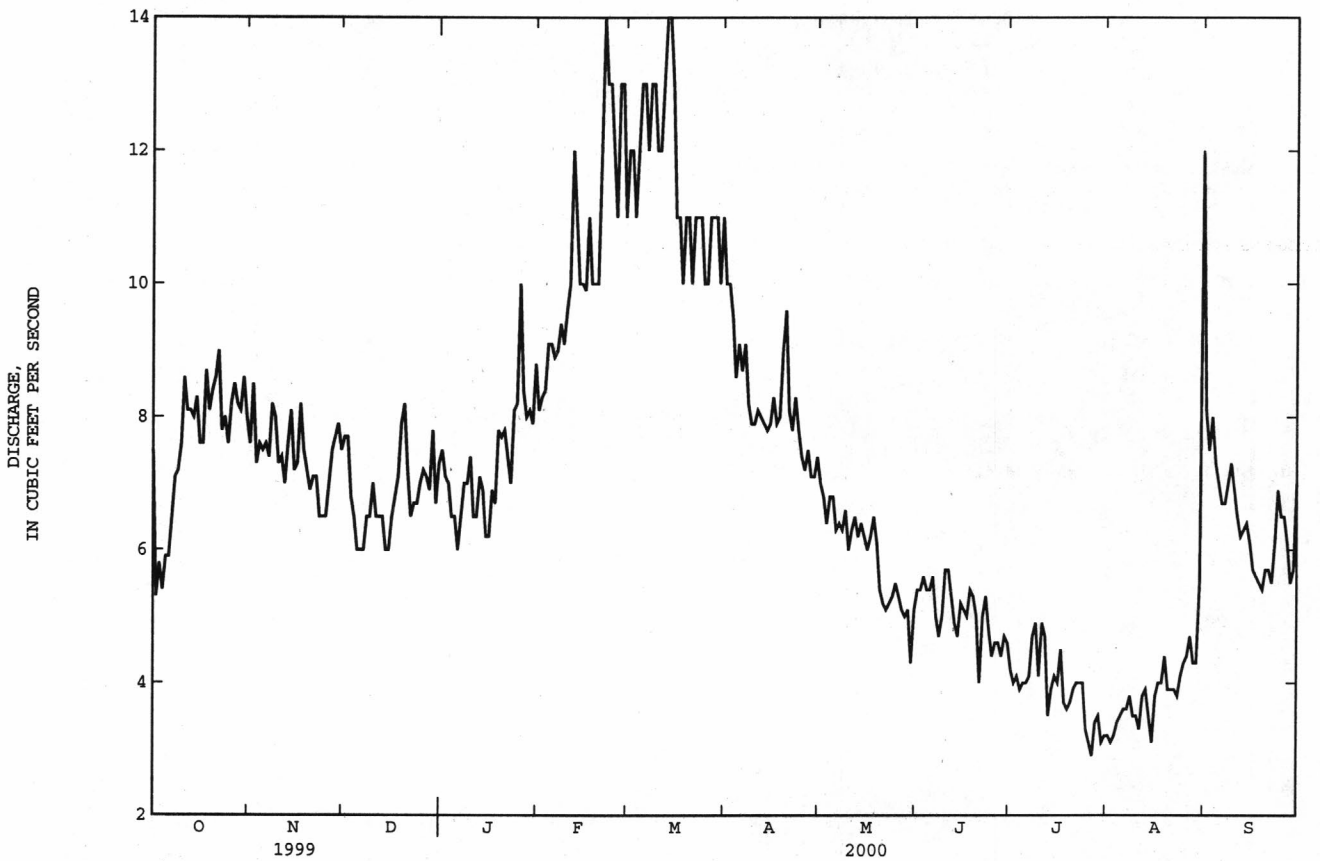
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

MEAN	10.7	10.3	11.3	12.9	16.7	24.8	23.6	9.95	7.16	7.30	8.54	10.2
MAX	25.7	15.2	21.7	27.9	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
(WY)	1982	1988	1980	1997	1980	1983	1980	1980	1981	1981	1981	1998
MIN	5.46	6.58	5.31	6.18	9.04	9.68	6.81	5.92	4.37	3.90	4.07	5.43
(WY)	1996	1990	1990	1987	1992	1988	1990	2000	1986	2000	1995	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	3486.5		2585.9			
ANNUAL MEAN	9.55		7.07		12.8	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					7.07	2000
HIGHEST DAILY MEAN	82	Aug 5	14	Feb 22	354	Apr 6 1980
LOWEST DAILY MEAN	4.9	Sep 15	2.9	Jul 27	2.9	Jul 27 2000
ANNUAL SEVEN-DAY MINIMUM	5.4	Jul 21	3.2	Jul 26	3.0	Jun 13 1986
ANNUAL RUNOFF (AC-FT)	6920		5130		9250	
10 PERCENT EXCEEDS	14		11		19	
50 PERCENT EXCEEDS	7.7		6.9		9.2	
90 PERCENT EXCEEDS	6.0		4.0		5.5	

e Estimated

09403600 KANAB CREEK NEAR KANAB, UT--Continued



09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'19", long 112°36'13", in SE$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 14, T. 40 S., R. 7 W., Kane County, Hydrologic Unit 15010008, on right bank 50 ft downstream from Lydiás 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.--Records good except for estimated daily discharges, which are poor. A few small diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 640 ft^3/s, Jul 27, 1976, gage height, 4.14 ft, maximum gage height, 4.68 ft, Jul 10, 1999, discharge unknown and affected by backwater; minimum discharge, 2.9 ft^3/s, several days in May and Jun 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 21	1900	*33	*1.41				

Minimum discharge, 3.5 ft^3/s, Jun 13, 14, gage height, 0.93 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	11	10	11	13	21	17	7.8	6.2	5.1	4.9	5.8
2	8.2	11	10	12	12	19	17	6.8	6.0	4.6	4.6	5.4
3	9.2	11	10	11	11	19	16	6.8	5.8	4.6	4.4	5.2
4	9.1	12	9.8	11	11	20	16	7.2	5.5	4.8	4.3	5.1
5	7.4	11	9.5	11	11	23	15	8.0	5.0	4.9	4.3	4.9
6	8.0	11	9.7	10	11	22	14	8.0	4.9	5.0	4.3	4.8
7	8.2	11	9.9	10	11	20	13	9.5	4.9	4.9	4.3	5.0
8	8.0	11	9.7	11	11	20	14	9.8	5.5	5.1	4.3	5.6
9	8.5	12	9.2	10	13	21	14	8.5	5.8	5.4	4.3	4.8
10	8.6	11	10	11	14	21	14	7.6	5.4	5.3	4.3	4.8
11	8.6	11	9.8	10	14	22	14	7.1	5.5	e4.9	4.3	4.7
12	7.9	11	9.7	9.2	16	24	14	7.0	5.4	4.9	4.3	4.1
13	7.9	11	10	9.5	16	24	13	7.0	4.3	5.0	4.3	4.1
14	8.5	11	9.7	9.6	18	24	11	7.0	3.7	5.0	4.3	4.2
15	9.0	11	9.3	9.7	17	24	12	7.2	4.6	5.0	4.3	4.6
16	9.4	12	9.7	10	15	23	14	6.9	4.6	5.0	4.3	4.1
17	11	11	10	12	15	22	12	8.3	4.7	5.1	4.6	4.1
18	11	7.7	12	14	15	21	12	9.2	5.0	4.8	4.6	4.3
19	9.5	7.4	11	12	17	22	11	9.4	5.1	4.7	4.7	4.2
20	10	7.8	9.1	12	17	22	11	8.6	4.7	4.6	4.5	4.5
21	10	8.5	10	11	23	20	11	7.9	4.5	4.7	4.3	4.5
22	10	8.7	10	11	24	21	12	7.1	4.6	4.7	4.3	4.9
23	9.9	8.6	10	11	22	23	12	6.7	6.3	4.6	4.5	5.7
24	10	9.0	10	14	21	23	9.7	6.6	7.2	4.7	e4.9	6.5
25	9.9	9.5	10	19	18	23	7.4	6.4	6.5	4.6	4.7	6.7
26	9.9	10	10	22	18	23	7.4	7.5	6.3	4.6	5.0	6.5
27	9.6	10	10	16	19	21	7.2	6.9	5.3	4.6	5.6	7.3
28	9.6	10	11	14	20	21	7.2	6.8	4.9	e4.3	6.0	7.3
29	10	10	11	14	18	20	7.7	6.9	5.2	4.3	6.2	7.3
30	9.6	10	10	14	---	18	7.8	6.4	5.5	4.3	7.5	7.4
31	11	---	10	15	---	17	---	6.8	---	4.6	6.1	---
TOTAL	285.4	307.2	310.1	377.0	461	664	363.4	233.7	158.9	148.7	147.3	158.4
MEAN	9.21	10.2	10.0	12.2	15.9	21.4	12.1	7.54	5.30	4.80	4.75	5.28
MAX	11	12	12	22	24	24	17	9.8	7.2	5.4	7.5	7.4
MIN	7.4	7.4	9.1	9.2	11	17	7.2	6.4	3.7	4.3	4.3	4.1
AC-FT	566	609	615	748	914	1320	721	464	315	295	292	314

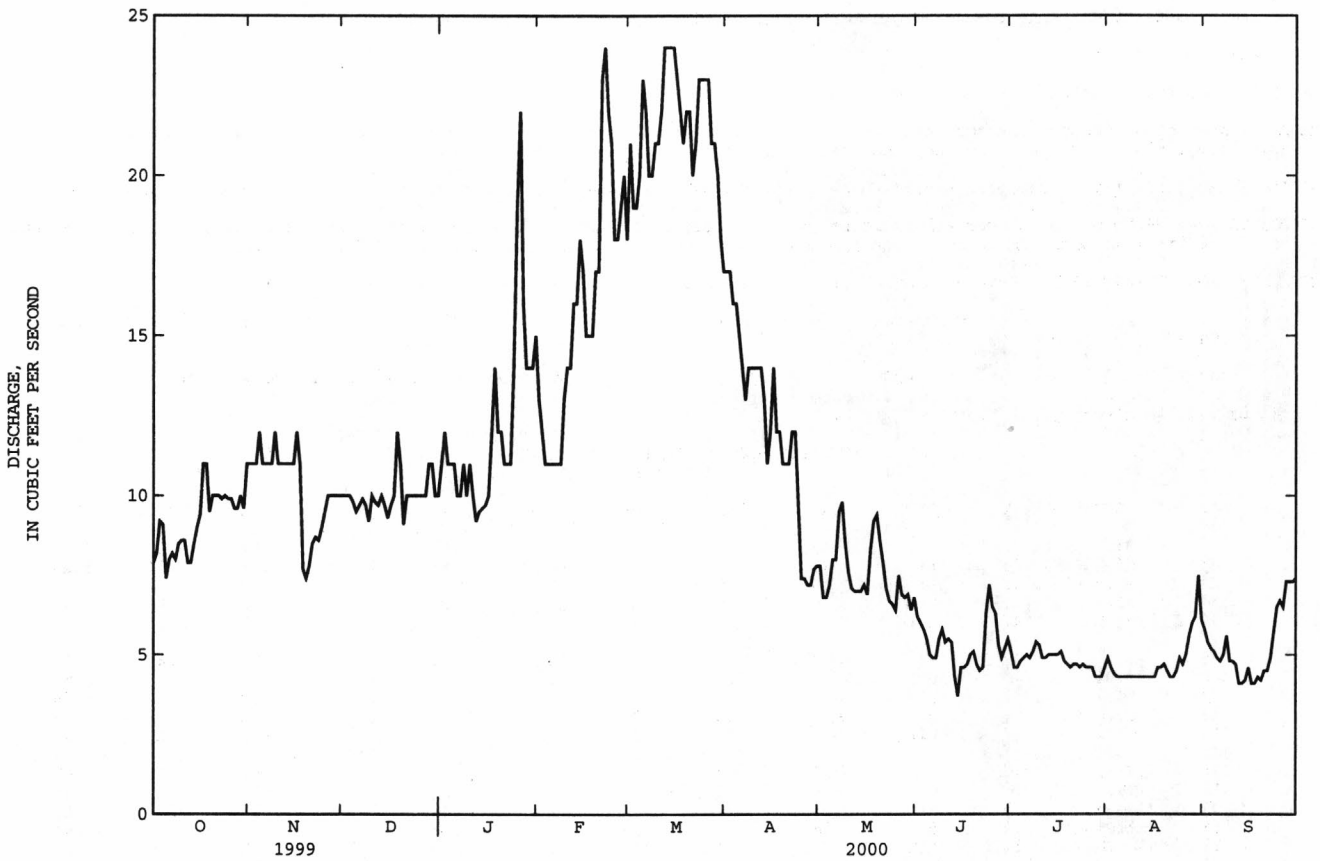
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

MEAN	13.6	15.3	16.0	16.6	19.1	24.8	37.1	29.5	15.0	11.3	11.0	11.1
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	4.80	4.75	5.10
(WY)	1990	1990	1990	1991	1991	1999	1989	1989	1989	2000	2000	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	4075.9		3615.1			
ANNUAL MEAN	11.2		9.88		18.3	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	60	Jul 10	24	Feb 22	285	Apr 21 1980
LOWEST DAILY MEAN	4.7	Jul 2	3.7	Jun 14	3.3	Jun 20 1989
ANNUAL SEVEN-DAY MINIMUM	5.4	Jul 1	4.2	Sep 12	3.7	Jun 19 1989
ANNUAL RUNOFF (AC-FT)	8080		7170		13290	
10 PERCENT EXCEEDS	16		19		27	
50 PERCENT EXCEEDS	10		9.4		14	
90 PERCENT EXCEEDS	7.0		4.6		7.4	

e Estimated

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT--Continued



09404700 EAST FORK VIRGIN RIVER NEAR MOUNT CARMEL JUNCTION, UT

LOCATION.--Lat 37°12'32", long 112°41'12", in $SW^1/_4SE^1/_4SE^1/_4$ 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. Prior to June 17, 1998, water-stage recorder and crest stage gage 100 ft downstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s, Jul 30, 1999, gage height, 7.50 ft, from rating curve extended above 44 ft^3/s on basis of slope-area measurement; minimum daily discharge, 0.15 ft^3/s, Aug 14, 2000.

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)
Jun 23	1705	*492	*5.45	No other peak greater than base discharge.			

Minimum daily discharge, 0.15 ft^3/s, Aug 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	13	18	18	20	24	18	2.1	1.5	.54	.41	.79
2	e7.5	12	e17	19	20	23	16	1.8	1.4	.59	.31	.80
3	e7.0	12	e16	16	20	23	15	1.5	1.5	.53	.28	.78
4	e6.5	12	e16	e15	20	24	14	1.6	1.5	.47	.27	.94
5	e6.5	12	e16	e16	20	28	14	1.7	2.0	.46	.32	.53
6	6.7	12	e17	e13	20	27	12	2.4	1.6	.58	.21	.48
7	7.1	11	e17	e16	20	24	11	2.9	1.4	.56	.19	.50
8	6.8	12	e17	e17	20	25	10	3.0	1.3	.52	.19	.68
9	e7.0	14	e17	e17	23	28	11	3.0	1.3	.52	.18	.59
10	e7.5	13	18	e18	28	25	11	1.9	1.3	.54	.23	.48
11	e7.5	13	18	19	26	25	11	2.1	1.5	.64	.21	.48
12	e8.0	14	e18	18	24	27	10	1.9	1.3	.55	.19	.48
13	e8.5	13	e17	18	22	27	9.7	2.2	1.2	.67	.16	.48
14	e9.0	13	e16	18	26	26	5.7	2.0	1.1	.59	.15	.43
15	e9.0	14	e16	18	27	27	3.5	2.1	.97	.64	.16	.42
16	e9.5	15	e13	18	24	26	4.6	2.0	.91	.67	.16	.45
17	9.7	15	e14	19	24	25	4.0	2.7	1.1	.61	.21	.45
18	9.2	15	16	21	22	24	3.6	4.2	.99	.55	.24	.48
19	e9.0	15	18	21	21	24	4.6	3.2	1.2	.60	.26	.44
20	e9.0	16	18	21	22	25	4.2	2.2	1.2	.53	.18	.41
21	9.1	18	e17	21	27	23	3.0	2.2	1.1	.39	.16	.56
22	e9.0	17	e17	20	31	23	3.9	2.5	.84	.38	.19	.74
23	e9.0	17	e17	19	26	24	4.1	2.1	12	.41	.28	1.0
24	e9.5	17	e17	19	29	25	2.9	2.1	3.8	.44	.23	1.6
25	e9.5	e16	18	24	24	23	2.1	1.7	.70	.44	.20	1.9
26	e10	17	18	28	23	23	1.5	2.3	.95	.39	.18	.93
27	e10	17	18	22	22	23	1.5	2.0	.73	.40	.17	1.1
28	10	17	18	20	23	23	1.4	1.9	.44	.42	.65	1.3
29	11	18	18	20	21	22	1.5	1.7	.45	.35	.61	1.5
30	11	18	18	20	---	19	2.0	1.7	.47	.34	2.0	3.3
31	13	---	19	21	---	18	---	1.7	---	.36	1.8	---
TOTAL	269.8	438	528	590	675	753	216.8	68.4	47.75	15.68	10.98	25.02
MEAN	8.70	14.6	17.0	19.0	23.3	24.3	7.23	2.21	1.59	.51	.35	.83
MAX	13	18	19	28	31	28	18	4.2	12	.67	2.0	3.3
MIN	6.5	11	13	13	20	18	1.4	1.5	.44	.34	.15	.41
AC-FT	535	869	1050	1170	1340	1490	430	136	95	31	22	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	14.5	20.4	20.7	22.8	27.0	38.8	36.8	19.3	8.30	4.21	4.37	10.0
MAX	26.6	26.3	25.5	28.0	40.9	91.2	140	65.1	22.1	9.46	11.6	26.0
(WY)	1994	1994	1994	1993	1993	1993	1993	1993	1993	1999	1993	1997
MIN	6.33	14.6	17.0	19.0	20.3	17.8	7.23	2.21	1.59	.51	.35	.83
(WY)	1997	2000	2000	2000	1999	1999	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	4485.9		3638.43			
ANNUAL MEAN	12.3		9.94		18.9	
HIGHEST ANNUAL MEAN					38.7	1993
LOWEST ANNUAL MEAN					9.94	2000
HIGHEST DAILY MEAN	95	Jul 30	31	Feb 22	189	Sep 15 1997
LOWEST DAILY MEAN	1.5	Jul 3	.15	Aug 14	.15	Aug 14 2000
ANNUAL SEVEN-DAY MINIMUM	1.7	Jun 29	.18	Aug 11	.18	Aug 11 2000
ANNUAL RUNOFF (AC-FT)	8900		7220		13670	
10 PERCENT EXCEEDS	20		23		35	
50 PERCENT EXCEEDS	12		9.0		17	
90 PERCENT EXCEEDS	3.4		.42		1.5	

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. Numerous diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Aug 10, 1997, gage height, 11.38 ft, from floodmarks, 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, 30 ft^3/s, Aug 11, 12, 13, 2000.

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)
Feb 21	1900	*182	*5.50				

Minimum daily discharge, 30 ft^3/s, Aug 11, 12, 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	50	55	52	54	54	52	36	36	39	38	59
2	43	48	54	53	54	54	50	36	36	38	37	57
3	41	48	55	50	54	53	48	36	36	38	36	59
4	40	48	53	51	55	54	48	35	36	39	36	61
5	41	48	54	53	55	66	48	35	37	39	35	61
6	42	48	54	52	55	63	48	35	37	39	35	61
7	43	46	54	52	54	55	47	35	38	40	35	61
8	43	47	54	53	54	57	47	36	38	43	35	60
9	43	49	52	53	55	67	47	37	38	48	36	58
10	44	48	53	54	60	57	48	36	38	49	34	57
11	44	47	53	54	63	56	49	35	38	49	30	57
12	44	47	52	54	68	57	44	36	37	50	30	57
13	42	47	53	54	58	57	41	36	38	50	30	57
14	42	47	53	53	59	57	40	37	37	50	31	54
15	45	47	51	53	62	57	36	38	37	49	33	51
16	44	47	53	53	60	56	36	36	37	50	33	48
17	49	48	51	52	64	55	36	38	37	48	34	46
18	49	50	49	54	58	55	36	39	38	46	35	44
19	49	49	48	54	55	54	37	38	38	45	36	42
20	47	49	48	53	55	56	37	37	37	43	36	40
21	46	53	48	52	74	55	36	36	37	42	37	39
22	45	54	48	52	64	54	36	36	37	42	38	39
23	46	54	48	51	65	55	37	36	38	41	40	38
24	47	54	48	51	79	55	37	35	49	40	45	38
25	47	53	49	53	55	54	36	35	39	40	46	37
26	47	54	49	62	54	54	36	34	38	38	44	36
27	47	56	49	57	54	54	36	35	38	38	44	36
28	46	55	50	54	57	55	36	36	38	38	50	36
29	46	56	50	54	53	58	36	36	38	37	55	35
30	47	55	51	54	---	54	36	36	38	38	61	36
31	48	---	51	56	---	53	---	36	---	38	64	---
TOTAL	1389	1502	1590	1653	1707	1741	1237	1118	1134	1324	1209	1460
MEAN	44.8	50.1	51.3	53.3	58.9	56.2	41.2	36.1	37.8	42.7	39.0	48.7
MAX	49	56	55	62	79	67	52	39	49	50	64	61
MIN	40	46	48	50	53	53	36	34	36	37	30	35
AC-FT	2760	2980	3150	3280	3390	3450	2450	2220	2250	2630	2400	2900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	48.8	55.9	57.0	66.4	70.0	82.3	75.9	54.7	42.7	40.4	42.3	50.0
MAX	62.3	62.8	62.9	110	110	153	200	109	57.7	44.4	48.0	74.6
(WY)	1998	1994	1997	1993	1993	1993	1993	1993	1993	1998	1999	1997
MIN	38.8	49.1	51.3	53.3	58.1	51.5	41.2	36.1	34.4	36.0	36.7	36.5
(WY)	1992	1992	2000	2000	1999	1999	2000	2000	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	17472		17064			
ANNUAL MEAN	47.9		46.6		57.1	
HIGHEST ANNUAL MEAN					85.1	1993
LOWEST ANNUAL MEAN					46.6	2000
HIGHEST DAILY MEAN	232	Aug 30	79	Feb 24	450	Sep 11 1998
LOWEST DAILY MEAN	33	Jul 21	30	Aug 11	30	Aug 11 2000
ANNUAL SEVEN-DAY MINIMUM	33	Jul 18	32	Aug 10	32	Aug 10 2000
ANNUAL RUNOFF (AC-FT)	34660		33850		41390	
10 PERCENT EXCEEDS	57		57		77	
50 PERCENT EXCEEDS	48		48		53	
90 PERCENT EXCEEDS	37		36		37	

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°12'35", long 112°58'40", in NW¼SW¼NW¼ sec. 22, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, 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 September 1925, nonrecording gage at site 0.8 mi upstream. October 1, 1925 to December 14, 1949, nonrecording gage 50 ft downstream and 0.34 ft higher.

REMARKS.-- Records good except for flows greater than 300 ft^3/s, which are fair, and 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.--Peak discharges greater than base discharge of 800 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	0045	*362	2.32				

Minimum daily discharge, 27 ft^3/s, Sep 16, 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e41	44	48	49	49	72	98	220	53	36	35	53
2	e41	44	45	52	55	62	103	222	53	35	34	41
3	e40	44	46	45	54	63	121	222	52	34	33	37
4	e39	44	39	38	53	67	144	223	50	33	33	37
5	37	45	43	46	52	111	184	217	49	33	32	33
6	37	46	43	46	51	96	210	202	48	33	33	32
7	38	46	45	42	50	66	234	186	46	32	32	31
8	39	45	47	44	52	72	245	169	46	32	34	32
9	40	47	42	46	54	100	258	158	45	37	33	32
10	39	47	51	48	58	77	230	142	45	35	34	31
11	39	47	46	50	66	69	163	133	46	33	34	31
12	38	44	43	51	84	75	210	119	44	32	32	31
13	37	45	49	51	57	77	234	114	42	31	32	30
14	37	45	45	51	64	79	250	103	41	31	33	29
15	37	46	38	51	60	85	209	100	40	31	32	e28
16	38	46	41	51	59	95	192	92	40	32	33	e27
17	39	47	47	53	73	94	187	90	39	32	35	e27
18	40	46	48	60	e60	90	222	111	41	29	38	e30
19	41	44	47	61	53	92	177	108	42	29	39	31
20	42	47	47	55	e62	91	170	95	39	28	39	31
21	42	49	48	54	e100	82	193	86	38	28	37	31
22	41	48	46	52	e125	86	223	83	38	28	35	31
23	42	38	43	50	e75	93	235	77	38	35	36	31
24	44	41	45	52	e170	96	250	73	48	34	39	34
25	43	44	46	58	62	100	232	70	43	33	43	33
26	43	50	48	75	63	112	234	70	40	33	42	33
27	43	52	47	54	65	122	248	71	39	32	39	35
28	43	50	44	48	72	126	259	65	38	32	42	34
29	43	49	46	46	63	129	259	61	36	32	47	33
30	43	48	45	46	---	120	225	58	38	31	63	33
31	44	---	44	60	---	103	---	55	---	33	68	---
TOTAL	1250	1378	1402	1585	1961	2802	6199	3795	1297	999	1171	982
MEAN	40.3	45.9	45.2	51.1	67.6	90.4	207	122	43.2	32.2	37.8	32.7
MAX	44	52	51	75	170	129	259	223	53	37	68	53
MIN	37	38	38	38	49	62	98	55	36	28	32	27
AC-FT	2480	2730	2780	3140	3890	5560	12300	7530	2570	1980	2320	1950

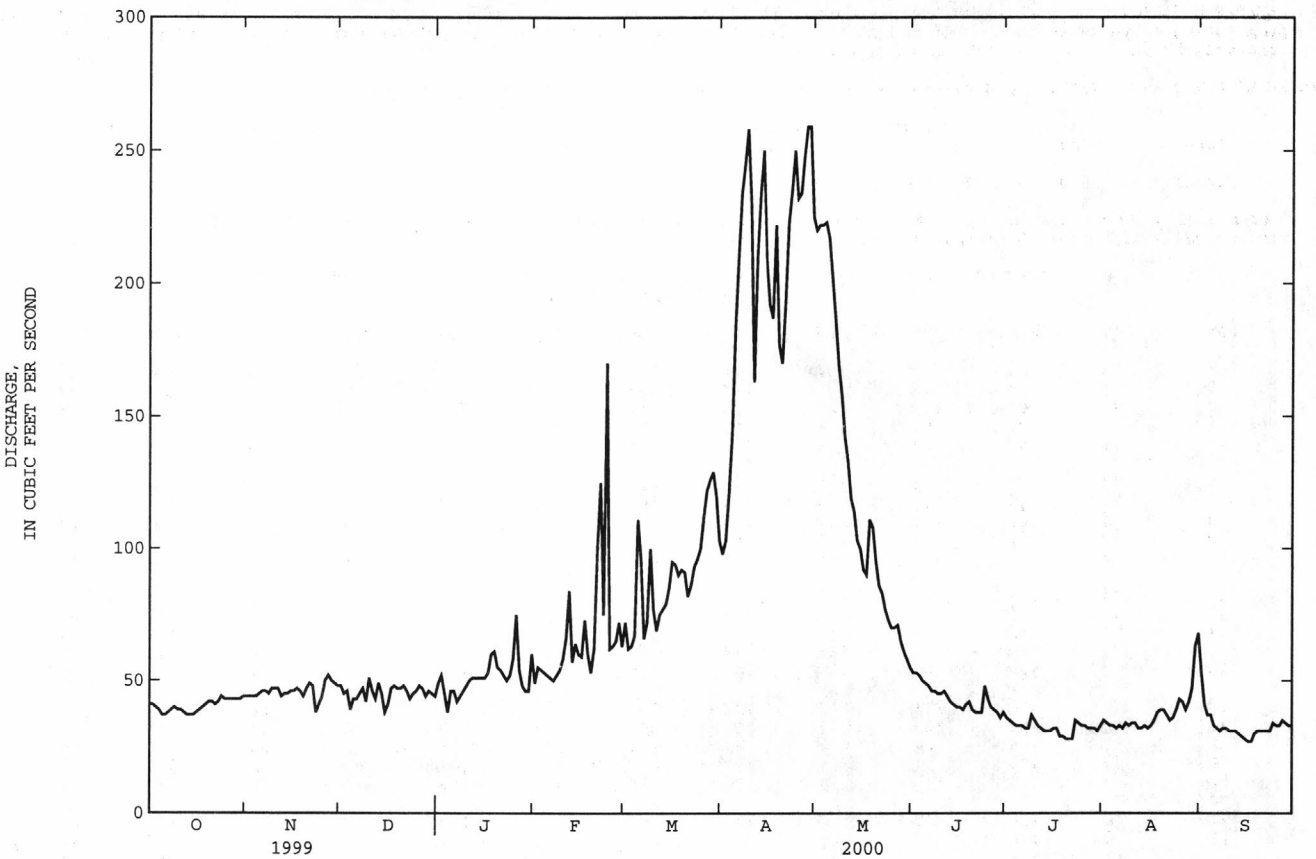
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	50.6	54.4	53.5	61.0	72.4	121	209	271	112	57.2	49.3	51.8
MAX	79.8	75.5	73.5	96.3	110	271	644	813	404	113	71.1	115
(WY)	1999	1999	1994	1997	1995	1995	1993	1993	1995	1995	1995	1998
MIN	33.4	35.9	36.6	39.0	47.8	54.0	76.2	55.8	36.5	32.2	34.4	24.8
(WY)	1992	1990	1990	1991	1990	1990	1990	1990	1990	2000	1990	1989

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	24629		24821			
ANNUAL MEAN	67.5		67.8		97.0	
HIGHEST ANNUAL MEAN					207	1993
LOWEST ANNUAL MEAN					43.6	1990
HIGHEST DAILY MEAN	358	Aug 30	259	Apr 28	1140	May 4 1993
LOWEST DAILY MEAN	37	Oct 5	27	Sep 16	22	Aug 5 1994
ANNUAL SEVEN-DAY MINIMUM	38	Oct 10	29	Sep 12	23	Aug 2 1994
ANNUAL RUNOFF (AC-FT)	48850		49230		70290	
10 PERCENT EXCEEDS	111		148		169	
50 PERCENT EXCEEDS	59		46		57	
90 PERCENT EXCEEDS	42		32		35	

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 October 1, 1978, to July 5, 1985, located 2 mi downstream on left bank, and from December 19, 1949, to September 1971, located directly across from previous site, on right bank at different datum. Prior to December 19, 1949, nonrecording gages at several sites within 3 mi of present site at various datums.

REMARKS.--Records good. 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, Jul 10, 1920 and Jun 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)
Feb 21	2205	[a]*944	[a]*10.28				

[a] From rating curve extended above 810 ft^3/s on basis of slope-area measurement at gage height 13.72 ft.
Minimum daily discharge, 57 ft^3/s, Jul 22, Aug 13, Sep 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

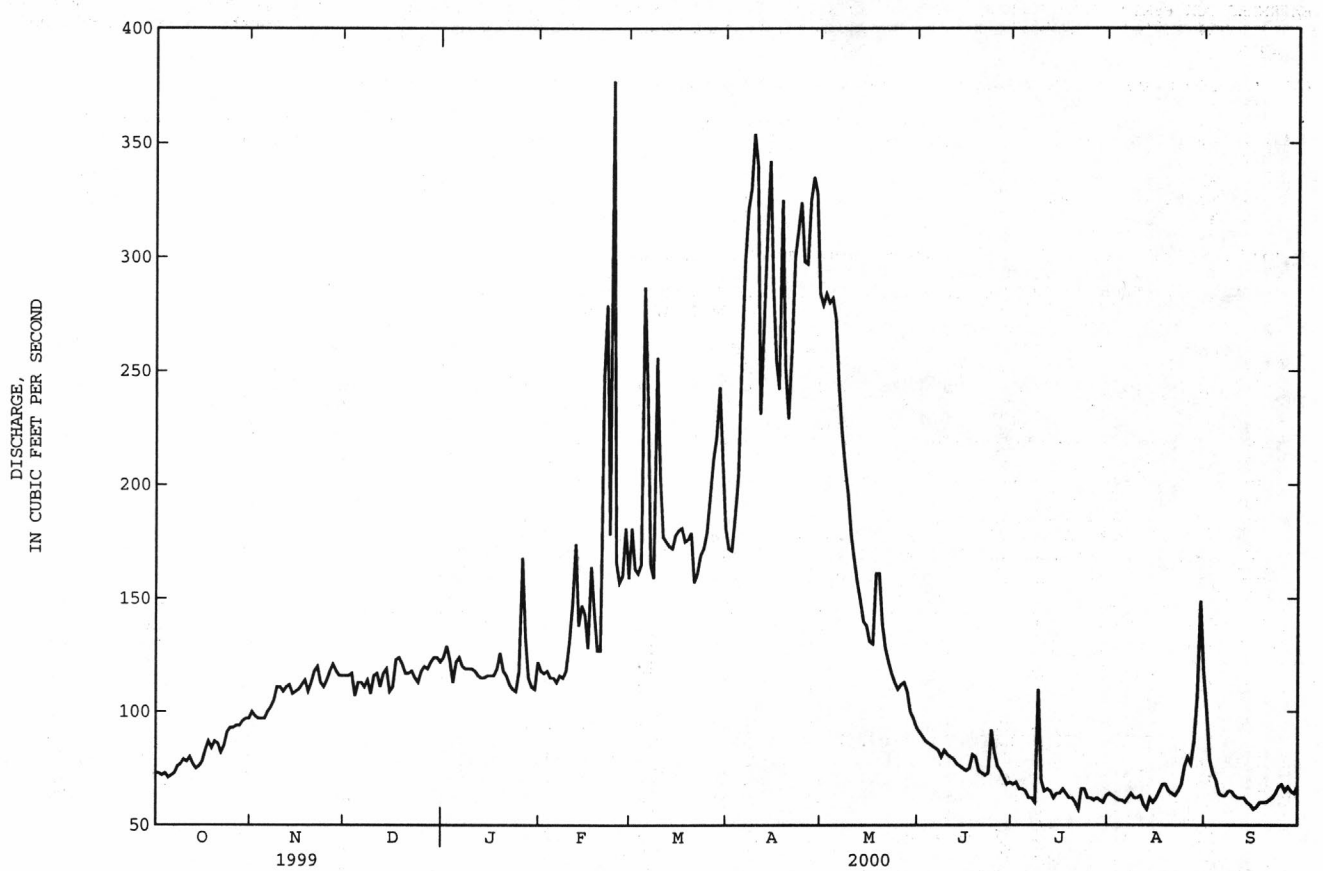
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	100	116	124	118	181	172	279	91	68	64	101
2	73	98	116	129	117	163	171	284	89	69	63	79
3	72	97	117	123	118	161	186	280	87	66	62	73
4	73	97	107	113	115	165	204	282	86	66	61	70
5	71	97	113	122	115	287	257	273	85	65	61	64
6	72	100	113	124	113	241	298	243	84	62	60	63
7	73	102	111	120	116	165	321	223	83	62	62	63
8	76	105	114	119	115	159	330	208	80	60	64	65
9	77	111	108	119	118	256	354	196	83	110	62	65
10	79	111	116	119	130	204	340	178	81	70	62	63
11	78	109	117	118	147	177	231	167	80	65	63	62
12	80	111	111	116	174	175	268	157	79	66	59	62
13	77	112	117	115	138	173	308	149	77	65	57	62
14	75	108	119	115	147	172	342	140	76	62	62	60
15	76	109	109	116	143	178	287	138	75	64	60	59
16	78	110	111	116	128	180	255	131	74	64	62	57
17	83	112	123	116	164	181	242	130	75	66	65	58
18	87	114	124	119	144	175	325	161	81	64	68	60
19	84	109	121	126	127	176	251	161	80	62	68	60
20	87	113	117	118	127	179	229	139	74	62	65	60
21	86	118	117	116	247	157	259	128	73	60	64	61
22	82	120	118	112	279	161	300	122	72	57	63	62
23	85	113	115	110	178	169	312	117	73	66	65	64
24	91	111	113	109	377	172	324	113	92	66	68	67
25	93	114	118	118	166	179	298	110	82	62	76	68
26	93	118	120	168	157	195	297	112	76	62	80	65
27	94	121	119	133	160	211	325	113	74	61	77	67
28	94	118	122	115	181	221	335	109	71	62	87	65
29	96	116	124	111	159	243	328	100	68	61	106	64
30	97	116	124	110	---	211	284	97	69	60	149	67
31	97	---	122	122	---	181	---	93	---	63	118	---
TOTAL	2552	3290	3612	3711	4518	5848	8433	5133	2370	2018	2203	1956
MEAN	82.3	110	117	120	156	189	281	166	79.0	65.1	71.1	65.2
MAX	97	121	124	168	377	287	354	284	92	110	149	101
MIN	71	97	107	109	113	157	171	93	68	57	57	57
AC-FT	5060	6530	7160	7360	8960	11600	16730	10180	4700	4000	4370	3880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-71, 1979-2000, BY WATER YEAR (WY)

MEAN	130	146	156	163	190	251	390	431	158	121	136	138
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

09406000 VIRGIN RIVER AT VIRGIN, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1910-71, 1979-2000	
ANNUAL TOTAL	46207		45644			
ANNUAL MEAN	127		125		201	
HIGHEST ANNUAL MEAN					465	1922
LOWEST ANNUAL MEAN					95.7	1990
HIGHEST DAILY MEAN	711	Aug 30	377	Feb 24	10600	Sep 30 1911
LOWEST DAILY MEAN	71	Sep 29	57	Jul 22	22	Jul 10 1920
ANNUAL SEVEN-DAY MINIMUM	72	Oct 1	59	Sep 14	23	Jun 8 1921
ANNUAL RUNOFF (AC-FT)	91650		90530		145500	
10 PERCENT EXCEEDS	172		241		380	
50 PERCENT EXCEEDS	121		112		130	
90 PERCENT EXCEEDS	78		62		71	



09406640 LEAP CREEK BELOW MAPLE HOLLOW, NEAR PINTURA, UT

LOCATION.--Lat. 37°23'00", long 113°17'36", in NW$^1/_4$ NE$^1/_4$ SE$^1/_4$ sec. 22, T. 39 S., R. 13 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on right bank about 200 ft downstream of Maple Hollow, about 200 ft upstream of unnamed diversion, and about 3 mi north-northwest of Pintura.

DRAINAGE AREA.-- 9.19 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

REVISED RECORD.--WRD UT-98-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,980 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversions upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 179 ft^3/s, Sep 26, 1997, gage height, 7.42 ft, from rating curve extended above 24 ft^3/s on the basis of slope-area measurement at gage height, 6.17 ft; no flow several months in 1996, 1997, and 2000.

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)
Feb 21	1720	*35	*4.80	Mar 14	1815	30	4.66
Feb 23	2145	28	4.60	Mar 25	1745	25	4.50
Mar 4	1830	21	4.43				

Minimum discharge, 0.00 ft^3/s, on many days, gage height, 3.21 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.28	.38	e.35	e.40	4.6	4.3	1.7	.62	.19	.00	.17
2	.08	.28	.38	e.35	e.40	5.0	4.1	1.7	.60	.17	.00	.15
3	.07	.27	.35	e.35	e.40	6.9	4.5	1.7	.55	.16	.00	.06
4	.07	.28	e.35	e.35	.40	9.2	5.7	1.6	.51	.15	.00	.04
5	.07	.28	e.35	e.35	.38	11	6.7	1.6	.48	.15	.00	.03
6	.08	.28	e.35	e.35	.38	7.5	6.5	1.5	.46	.13	.00	.02
7	.09	.28	e.35	e.35	.38	5.0	6.1	1.5	.44	.13	.00	.01
8	.09	.29	e.35	e.35	.38	4.1	5.5	1.5	.42	.14	.00	.01
9	.09	.29	e.35	e.35	.38	4.6	5.2	1.4	.43	.23	.00	.00
10	.09	.30	e.35	e.36	.38	5.6	4.6	1.4	.43	.20	.00	.00
11	.09	.30	e.35	e.36	.38	9.0	3.8	1.4	.41	.15	.00	.00
12	.09	.30	e.35	e.36	.78	14	3.5	1.3	.40	.13	.00	.00
13	.09	.30	e.35	e.38	.62	17	3.3	1.3	.38	.11	.00	.00
14	.10	.30	e.35	e.40	2.0	18	3.3	1.2	.34	.11	.00	.00
15	.09	.29	e.35	e.42	1.1	18	3.1	1.2	.32	.12	.00	.00
16	.11	.28	e.35	.44	1.2	12	2.7	1.2	.29	.11	.00	.00
17	.18	.28	e.35	.44	2.7	10	2.5	1.3	.29	.08	.00	.00
18	.20	.29	e.35	.44	1.7	9.4	2.7	1.2	.31	.06	.00	.00
19	.21	.30	e.35	.44	1.4	9.9	2.3	1.2	.34	.06	.00	.00
20	.22	.30	e.35	.44	1.9	8.8	2.1	1.1	.28	.04	.00	.00
21	.22	.33	e.35	.46	13	5.8	2.1	1.1	.24	.03	.00	.00
22	.22	.36	e.35	.48	5.5	7.5	2.2	1.0	.24	.01	.00	.00
23	.23	e.35	e.35	.48	7.6	11	2.1	.96	.27	.00	.00	.00
24	.24	.37	e.35	.48	6.2	12	2.0	.93	.41	.00	.00	.00
25	.25	.38	e.35	.49	3.5	14	2.0	.90	.31	.03	.00	.00
26	.25	.39	e.35	2.1	2.1	15	1.9	.93	.28	.00	.00	.00
27	.24	.38	e.35	.59	2.3	13	2.0	.88	.26	.00	.00	.00
28	.24	.38	e.35	e.45	2.5	14	2.0	.81	.24	.00	.00	.00
29	.26	.38	e.35	e.40	2.9	11	2.0	.73	.22	.00	.00	.00
30	.28	.38	e.35	e.40	---	7.5	1.8	.68	.21	.00	.14	.00
31	.28	---	e.35	e.40	---	5.2	---	.65	---	.00	.05	---
TOTAL	4.90	9.47	10.91	14.36	63.26	305.6	102.6	37.57	10.98	2.69	0.19	0.49
MEAN	.16	.32	.35	.46	2.18	9.86	3.42	1.21	.37	.087	.006	.016
MAX	.28	.39	.38	2.1	13	18	6.7	1.7	.62	.23	.14	.17
MIN	.07	.27	.35	.35	.38	4.1	1.8	.65	.21	.00	.00	.00
AC-FT	9.7	19	22	28	125	606	204	75	22	5.3	.4	1.0

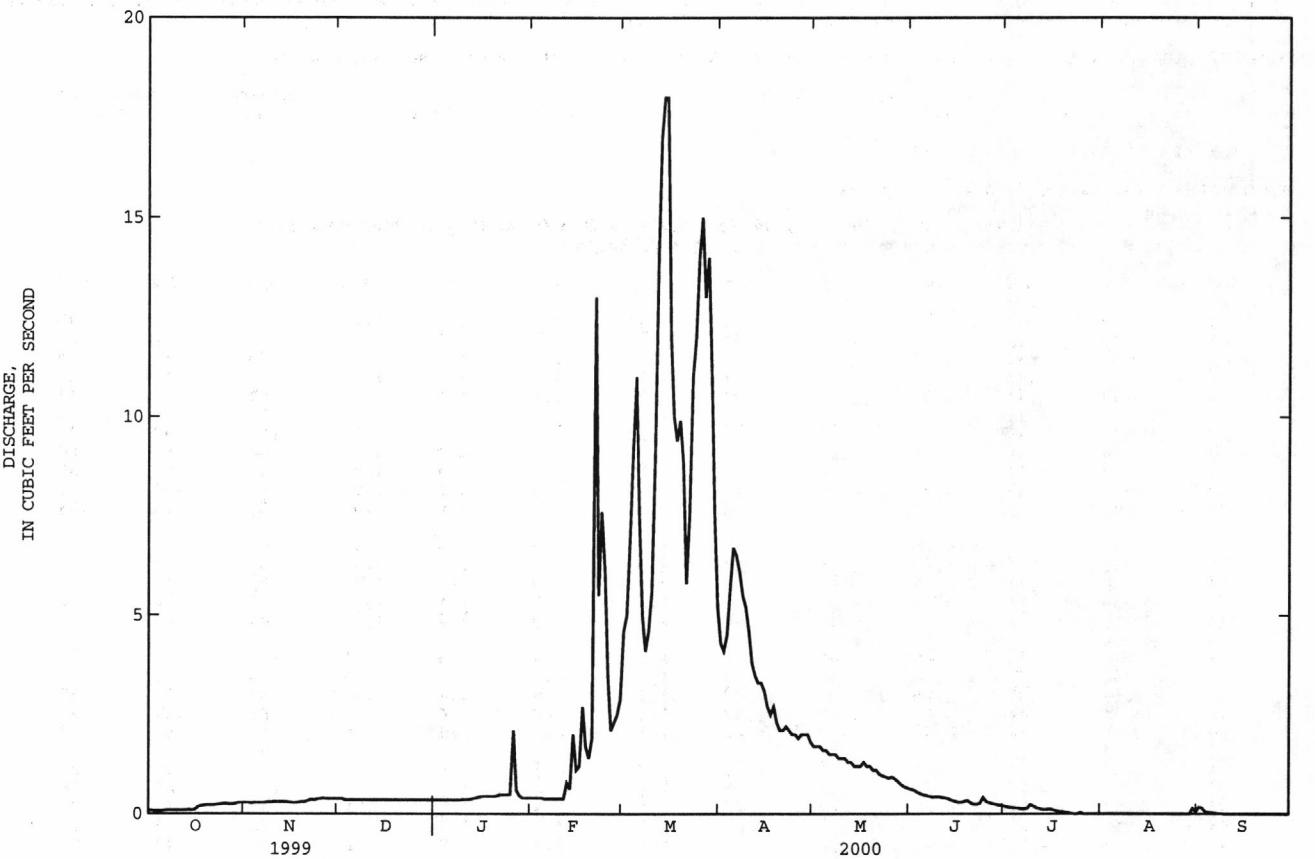
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	.38	.84	.84	1.65	3.99	7.32	4.93	3.20	1.56	.81	.41	.47
MAX	.87	1.71	1.32	3.86	14.1	18.7	14.8	9.14	4.19	2.09	1.05	1.25
(WY)	1999	1997	1995	1995	1995	1995	1998	1998	1995	1998	1998	1997
MIN	.057	.32	.35	.46	1.20	.89	.93	.48	.090	.000	.001	.000
(WY)	1997	2000	1998	2000	1999	1999	1996	1997	1996	1997	1996	1996

09406640 LEAP CREEK BELOW MAPLE HOLLOW, NEAR PINTURA, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	223.35		563.02			
ANNUAL MEAN	.61		1.54		2.19	
HIGHEST ANNUAL MEAN					5.09	1995
LOWEST ANNUAL MEAN					.65	1996
HIGHEST DAILY MEAN	4.3	Jun 2	18	Mar 14	54	Feb 14 1995
LOWEST DAILY MEAN	.06	Sep 9	.00	Jul 23	.00	Jun 17 1996
ANNUAL SEVEN-DAY MINIMUM	.08	Sep 30	.00	Jul 26	.00	Jun 17 1996
ANNUAL RUNOFF (AC-FT)	443		1120		1590	
10 PERCENT EXCEEDS	1.1		5.1		6.7	
50 PERCENT EXCEEDS	.45		.35		.76	
90 PERCENT EXCEEDS	.11		.00		.00	

e Estimated



09406900 WET SANDY CREEK NEAR PINTURA, UT

LOCATION.--Lat. 37°19'27", long 113°21'23", in $SW^1/_4SW^1/_4NE^1/_4$ 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 AREA.--5.02 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

REVISED RECORD.--WRD UT-98-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,400 ft above sea level, from topographic map.

REMARKS.--Records fair except for daily discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. No regulation or diversion upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 321 ft^3/s (estimated), Jul 15, 1996, gage height, 7.48 ft, from floodmarks, from rating curve extended above 4.5 ft^3/s on the basis of velocity-area measurements at gage heights, 7.05 ft and 7.20 ft; 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 and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 14	1710	*10	*5.84				

Minimum daily discharge, 0.13 ft^3/s, Jan 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.38	.45	.29	.25	.19	.19	1.4	1.7	1.1	.89	.64	.42
2	e.38	.44	e.28	e.24	.20	.27	1.5	1.7	1.1	.90	.62	.41
3	e.38	.42	e.28	e.23	.21	.79	1.6	1.7	1.1	.86	.61	.40
4	e.38	.41	e.28	.22	.21	1.1	1.7	1.7	1.1	.85	.60	.40
5	e.36	.41	e.28	.25	.22	.77	1.8	1.7	1.1	.85	.60	.37
6	.38	.41	.32	.23	.23	.29	1.9	1.7	1.1	.85	.59	.37
7	.39	.40	.32	e.22	.23	.53	1.9	1.6	1.1	.85	.60	.36
8	.38	.41	e.30	.22	.23	.46	1.9	1.5	1.0	.86	.57	.36
9	.36	.40	e.30	.23	.23	.60	2.0	1.5	1.0	.89	.57	.35
10	.36	.36	.31	.24	.23	.75	1.9	1.5	1.0	.84	.56	.33
11	.36	.35	e.30	.23	.26	1.0	2.0	1.5	1.0	.81	.55	.33
12	.35	.34	.30	.24	.28	2.4	2.0	1.5	1.0	.82	.55	.32
13	.35	.33	.29	.23	.17	3.3	2.0	1.4	1.0	.83	.54	.32
14	.35	.33	e.28	.22	.33	3.6	2.1	1.4	1.0	.84	.50	.31
15	.33	.32	.27	.21	.29	2.7	2.0	1.4	1.0	.85	.50	.29
16	.35	.31	.26	.20	.29	1.6	1.9	1.4	.97	.81	.50	.29
17	.42	.30	.26	.20	.30	1.5	1.9	1.4	.95	.81	.51	.29
18	.45	.32	.25	.26	.29	1.4	1.9	1.4	.99	.81	.51	.28
19	.45	.32	.24	.19	.27	1.5	1.8	1.4	.95	.81	.49	.28
20	.45	.31	.24	.17	.23	1.3	1.7	1.4	.95	.81	.46	.27
21	.44	.33	.25	.15	.88	1.2	1.8	1.4	.94	.79	.45	.26
22	.44	e.28	e.24	.13	.33	1.3	1.8	1.3	.96	.75	.45	.26
23	.44	e.28	e.24	.14	.27	1.5	1.8	1.3	.96	.73	.46	.27
24	.45	e.28	e.23	.14	.24	1.5	1.7	1.3	.98	.72	.45	.27
25	.45	e.28	e.23	.22	.15	1.5	1.7	1.2	.91	.71	.44	.25
26	.46	.32	.23	.33	.16	1.6	1.8	1.3	.91	.71	.42	.26
27	.44	.31	.24	.17	.17	1.5	1.8	1.2	.91	.68	.43	.25
28	.43	.30	.25	e.18	.16	1.6	1.7	1.2	.90	.66	.43	.24
29	.43	.30	.25	e.18	.16	1.5	1.8	1.2	.90	.65	.46	.24
30	.46	.29	e.24	.18	---	1.4	1.7	1.2	.90	.65	.62	.22
31	.45	---	.24	.18	---	1.4	---	1.1	---	.65	.45	---
TOTAL	12.50	10.31	8.29	6.48	7.41	42.05	54.5	44.2	29.78	24.54	16.13	9.27
MEAN	.40	.34	.27	.21	.26	1.36	1.82	1.43	.99	.79	.52	.31
MAX	.46	.45	.32	.33	.88	3.6	2.1	1.7	1.1	.90	.64	.42
MIN	.33	.28	.23	.13	.15	.19	1.4	1.1	.90	.65	.42	.22
AC-FT	25	20	16	13	15	83	108	88	59	49	32	18

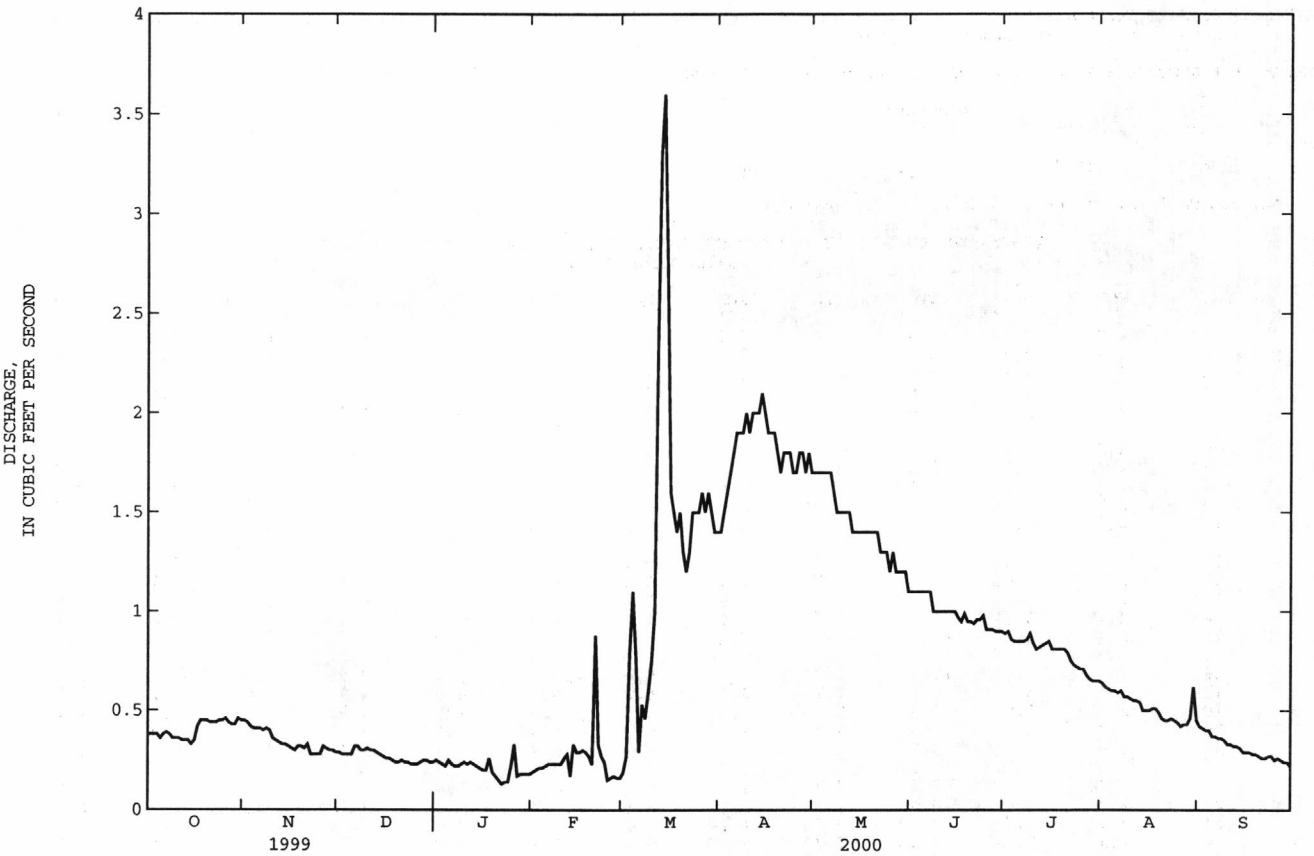
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

MEAN	.89	.74	.60	.67	1.50	3.44	2.49	2.48	2.10	2.98	1.49	1.20
MAX	2.00	1.58	1.08	1.19	4.74	11.5	5.34	5.70	4.94	7.67	3.74	3.21
(WY)	1999	1999	1999	1997	1995	1995	1998	1998	1995	1995	1998	1998
MIN	.092	.34	.27	.21	.26	.53	.51	.56	.21	.60	.14	.12
(WY)	1997	1995	2000	2000	2000	1999	1999	1996	1996	1997	1996	1996

09406900 WET SANDY CREEK NEAR PINTURA, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	252.95		265.46			
ANNUAL MEAN	.69		.73		1.72	
HIGHEST ANNUAL MEAN					3.84	1995
LOWEST ANNUAL MEAN					.73	2000
HIGHEST DAILY MEAN	30	Jul 28	3.6	Mar 14	61	Feb 14 1995
LOWEST DAILY MEAN	.23	Dec 24	.13	Jan 22	.06	Aug 23 1996
ANNUAL SEVEN-DAY MINIMUM	.24	Dec 20	.16	Jan 19	.07	Aug 21 1996
ANNUAL RUNOFF (AC-FT)	502		527		1240	
10 PERCENT EXCEEDS	.85		1.7		4.9	
50 PERCENT EXCEEDS	.57		.45		.77	
90 PERCENT EXCEEDS	.31		.23		.24	

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; October 28, 1964, to August 20, 1967, water-stage recorder at site 1,000 ft downstream at different datum.

REMARKS.--Records good except estimated daily discharges, which are poor. Diversion of spring area for domestic use about 4 mi upstream of gage.

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, Sep 17, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug 12, 1964 reached a stage of 6.00 ft, former site and datum, discharge 2,980 ft^3/s from slope-area measurement of peak flow.

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)
Jun 18	1530	*16	*2.06				

Minimum daily discharge, 2.6 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	2.7	2.9	3.0	2.6	3.9	6.1	6.8	8.4	6.1	3.6	3.8
2	2.7	2.7	2.9	e3.0	2.6	3.7	6.0	6.8	8.4	6.0	3.5	3.6
3	2.8	2.7	2.9	e3.0	2.6	3.9	6.0	6.8	8.5	5.9	3.5	3.5
4	2.8	2.7	3.5	e3.0	2.6	4.4	6.0	6.8	8.4	5.8	3.5	3.4
5	2.7	2.7	3.9	3.0	2.6	5.9	6.0	7.0	8.4	5.7	3.4	3.3
6	2.7	2.7	3.9	e3.0	2.6	5.6	6.3	7.1	8.3	5.5	3.3	3.3
7	2.7	2.7	3.8	e3.0	2.6	4.6	6.5	7.2	8.3	5.4	3.3	3.2
8	2.7	2.7	3.7	e3.0	2.6	4.8	6.7	7.3	8.2	5.4	3.3	3.2
9	2.7	2.7	3.6	e3.0	2.6	6.1	6.8	7.4	8.3	5.6	3.4	3.2
10	2.7	3.0	3.6	2.9	2.6	5.6	6.8	7.4	8.2	5.3	3.3	3.1
11	2.7	3.0	3.4	2.8	2.7	5.4	6.7	7.7	8.2	5.1	3.2	3.1
12	2.7	3.0	3.4	2.7	3.4	6.8	6.4	7.8	8.1	4.9	3.1	3.0
13	2.7	3.0	3.3	2.7	2.9	7.2	6.3	7.9	8.0	4.9	3.1	3.0
14	2.7	3.0	3.3	2.7	3.0	7.4	6.4	7.9	7.9	4.9	3.0	2.9
15	2.7	3.0	e3.0	2.7	2.9	7.2	6.5	7.9	7.7	4.8	3.0	2.8
16	2.7	3.0	e3.0	2.7	3.0	6.4	6.3	8.0	7.6	4.7	3.0	2.8
17	2.9	3.0	3.5	2.7	3.7	5.9	6.2	8.0	7.5	4.6	3.1	2.7
18	3.0	2.9	3.3	2.7	3.1	5.8	6.8	8.0	8.3	4.5	3.2	2.7
19	3.0	2.9	3.3	2.7	3.0	5.7	6.5	8.0	7.8	4.4	3.0	2.7
20	3.0	2.9	3.3	2.7	3.1	5.9	6.4	7.9	7.4	4.3	2.9	2.7
21	3.0	2.9	3.3	2.7	4.2	5.7	6.3	7.9	7.3	4.2	2.9	2.7
22	2.9	2.8	3.3	2.7	3.9	5.6	6.3	7.9	7.2	4.2	2.9	2.7
23	2.9	2.7	3.3	2.7	4.3	5.6	6.3	7.8	7.1	4.1	3.0	2.7
24	2.9	2.7	3.3	2.7	5.4	5.6	6.2	7.9	7.0	4.0	3.0	2.8
25	2.9	2.7	3.2	2.9	3.7	5.8	6.3	7.9	7.0	4.0	2.9	2.8
26	2.9	2.8	3.1	3.4	3.6	6.0	6.3	8.2	6.9	3.9	2.9	2.7
27	2.9	2.9	3.1	2.9	3.5	6.2	6.4	8.1	6.7	3.8	2.9	2.7
28	2.9	2.9	3.1	2.8	3.8	6.4	6.4	8.1	6.5	3.8	3.0	2.7
29	2.9	2.9	3.1	2.7	3.6	6.5	6.6	8.1	6.4	3.7	3.4	2.6
30	2.8	2.9	3.1	2.6	---	6.4	6.7	8.3	6.3	3.6	4.6	2.6
31	2.7	---	3.1	2.6	---	6.2	---	8.3	---	3.6	4.1	---
TOTAL	87.1	85.2	102.5	87.7	92.8	178.2	191.5	238.2	230.3	146.7	100.3	89.0
MEAN	2.81	2.84	3.31	2.83	3.20	5.75	6.38	7.68	7.68	4.73	3.24	2.97
MAX	3.0	3.0	3.9	3.4	5.4	7.4	6.8	8.3	8.5	6.1	4.6	3.8
MIN	2.7	2.7	2.9	2.6	2.6	3.7	6.0	6.8	6.3	3.6	2.9	2.6
AC-FT	173	169	203	174	184	353	380	472	457	291	199	177

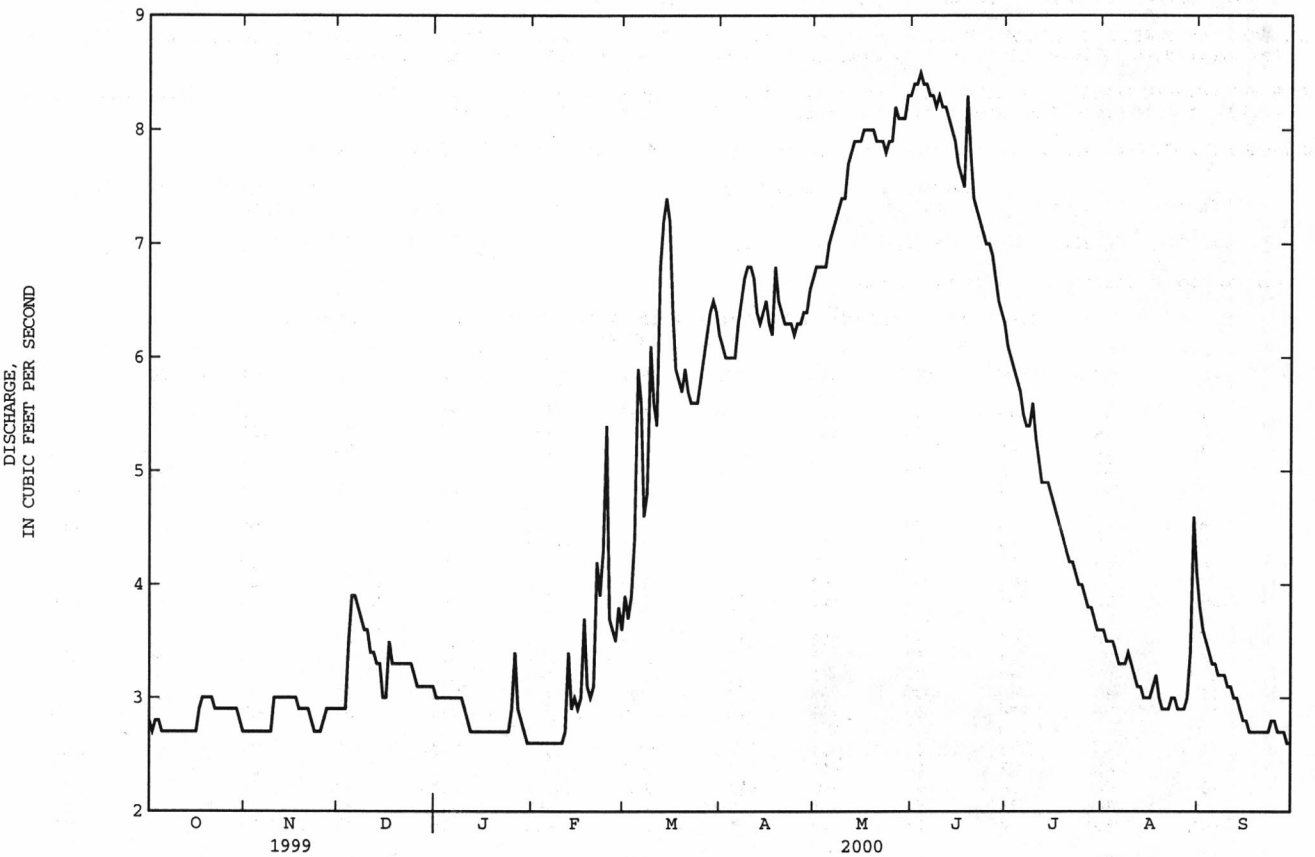
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

MEAN	4.06	4.15	4.66	4.63	6.59	9.40	9.79	10.8	13.3	11.0	7.19	4.74
MAX	9.16	10.8	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

09408000 LEEDS CREEK NEAR LEEDS, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	1528.5		1629.5			
ANNUAL MEAN	4.19		4.45		7.53	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.20	1977
HIGHEST DAILY MEAN	14	Jul 8	8.5	Jun 3	412	Dec 6 1966
LOWEST DAILY MEAN	2.7	Oct 2	2.6	Jan 30	1.1	Sep 17 1972
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 5	2.6	Jan 30	1.3	Jul 10 1977
ANNUAL RUNOFF (AC-FT)	3030		3230		5450	
10 PERCENT EXCEEDS	5.5		7.7		17	
50 PERCENT EXCEEDS	4.2		3.4		4.7	
90 PERCENT EXCEEDS	2.9		2.7		2.4	

e Estimated



09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°10'20", long 113°23'07", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ 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. March 20, 1967 to February 14, 1989 at site 1.2 mi downstream at different datum and October 1, 1990 to March 30, 1993 at site 1.3 mi downstream at different datum.

REMARKS.--Records good except for May 22 to Jun 5, Aug 7, Sep 20 and 26, which are fair, and estimated daily discharges, which are poor. Since 1985, flow diverted about 14 mi upstream into a pipeline that feeds Quail Creek Reservoir, an offstream site 0.6 mi upstream of gage. Flow subject to releases from Quail Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 66,000 ft^3/s, Jan 1, 1989, from slope-area measurement 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 Mar 1967, from slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges 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)
Feb 24	1145	*1,260	*8.34				

Minimum daily discharge, 40 ft^3/s, Sep 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	100	84	93	106	199	235	288	98	68	e73	120
2	94	65	73	102	112	186	227	265	106	65	e71	77
3	96	61	68	88	107	182	235	257	99	71	e70	64
4	89	73	69	84	99	195	252	250	88	63	e63	74
5	81	61	75	90	107	285	292	242	101	61	e68	e90
6	80	64	78	88	93	287	313	228	86	50	e74	e85
7	79	69	75	84	95	229	329	217	81	53	70	e82
8	85	70	72	91	86	202	340	194	69	57	71	e78
9	94	68	68	94	87	269	351	184	72	122	55	e72
10	101	67	72	101	105	270	335	163	79	92	47	e68
11	101	67	77	104	118	247	260	151	75	59	59	e78
12	98	69	68	98	135	243	262	147	62	63	56	e76
13	91	69	70	95	123	253	292	138	60	63	61	74
14	83	68	71	95	79	247	321	135	64	67	67	71
15	79	74	60	99	130	250	303	146	62	67	60	e65
16	72	79	61	99	102	241	271	124	59	78	64	e57
17	86	72	68	100	190	240	261	119	66	82	68	e55
18	90	76	64	90	118	228	313	150	80	89	72	e60
19	84	73	59	78	95	224	282	149	91	80	73	e48
20	76	74	63	70	77	242	251	126	73	45	70	40
21	75	95	76	81	152	222	265	110	73	52	70	42
22	85	102	74	77	362	224	296	93	71	47	64	62
23	99	84	73	70	196	223	312	72	73	52	59	71
24	103	78	65	68	538	230	317	68	92	60	68	74
25	94	77	71	73	231	234	308	78	104	62	79	e88
26	63	82	79	133	182	250	318	82	93	57	90	79
27	72	97	91	111	183	260	383	87	69	e58	81	e76
28	110	100	92	73	197	265	365	87	69	e53	110	e68
29	109	93	110	71	194	291	339	86	66	e64	130	e66
30	108	83	92	96	---	269	315	91	54	e62	191	e62
31	108	---	89	103	---	241	---	99	---	e68	194	---
TOTAL	2783	2310	2307	2799	4399	7428	8943	4626	2335	2030	2448	2122
MEAN	89.8	77.0	74.4	90.3	152	240	298	149	77.8	65.5	79.0	70.7
MAX	110	102	110	133	538	291	383	288	106	122	194	120
MIN	63	61	59	68	77	182	227	68	54	45	47	40
AC-FT	5520	4580	4580	5550	8730	14730	17740	9180	4630	4030	4860	4210

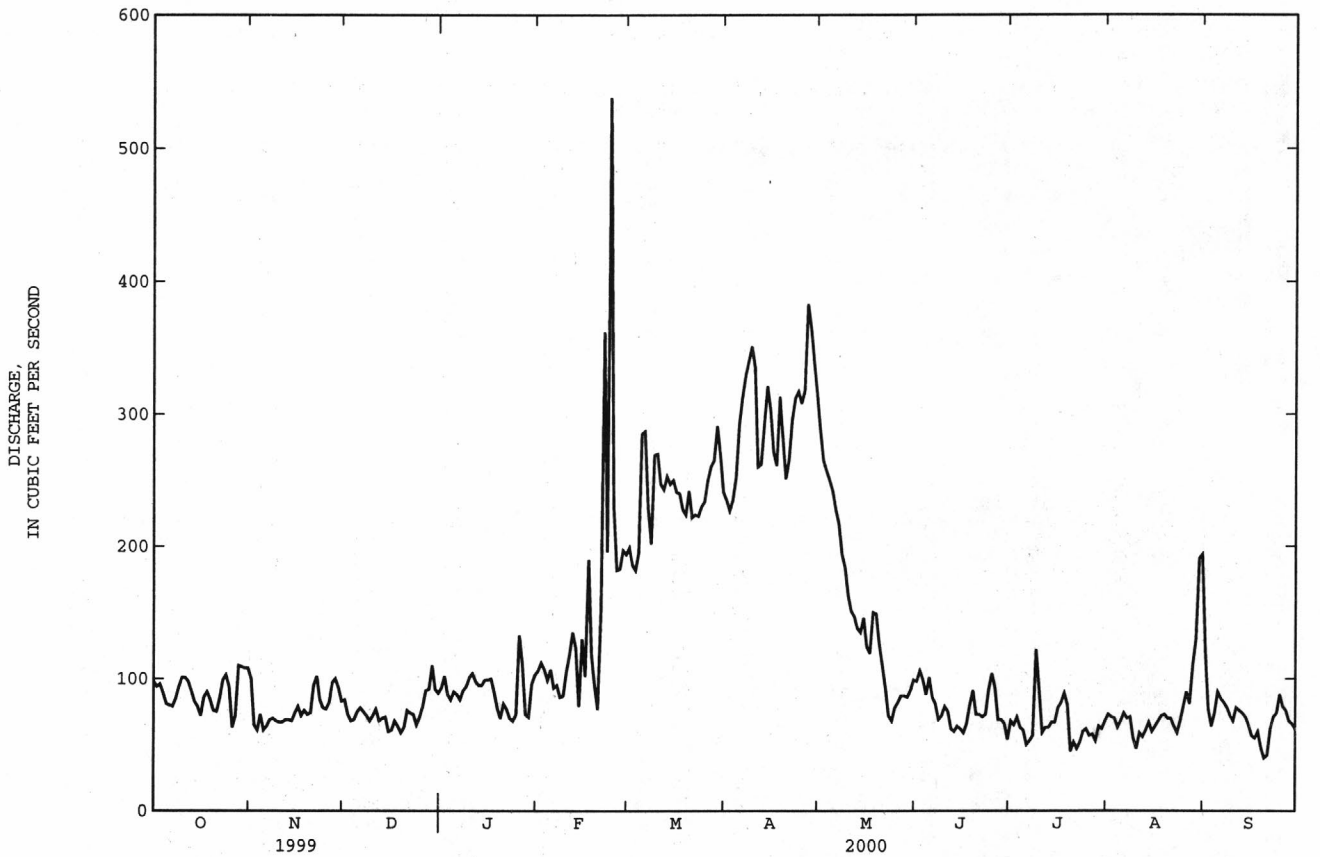
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968-88, 1991-2000, BY WATER YEAR (WY)

MEAN	123	145	167	207	249	334	411	493	196	116	125	133
MAX	304	280	440	662	1200	1178	1230	1657	869	248	316	330
(WY)	1987	1988	1972	1989	1980	1978	1993	1983	1983	1983	1983	1998
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

09408150 VIRGIN RIVER NEAR HURRICANE, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1968-88, 1991-2000	
ANNUAL TOTAL	45044		44530			
ANNUAL MEAN	123		122		225	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					72.2	1991
HIGHEST DAILY MEAN	763	Aug 30	538	Feb 24	13200	Jan 1 1989
LOWEST DAILY MEAN	59	Dec 19	40	Sep 20	23	Dec 11 1986
ANNUAL SEVEN-DAY MINIMUM	64	Dec 14	52	Sep 16	31	Dec 8 1986
ANNUAL RUNOFF (AC-FT)	89340		88330		162700	
10 PERCENT EXCEEDS	195		260		423	
50 PERCENT EXCEEDS	100		86		139	
90 PERCENT EXCEEDS	73		62		67	

e Estimated



09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'18", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ 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 November 8, 1991. Elevation of gage is 2,680 ft above sea level, from topographic map. Prior to November 8, 1991 at site 150 ft downstream at same datum. Water-quality monitoring equipment located adjacent to and upstream 5 ft.

REMARKS.-- Records good except for Oct 22 to 25 and Mar 23 to Apr 2, which are fair, and estimated daily discharges, which are poor. Completely regulated canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 ft^3/s, Oct 22, 1989; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 106 ft^3/s, Apr 9, gage height, 8.48 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	58	54	43	71	.00	88	77	90	66	73	31
2	72	41	41	43	71	.00	88	69	92	67	70	33
3	77	48	42	43	70	.00	90	e88	88	70	73	58
4	74	67	42	42	67	.00	95	e88	77	68	65	64
5	66	61	42	43	54	.00	96	e88	87	65	70	69
6	66	60	42	43	49	.00	99	e88	85	59	68	63
7	66	65	36	43	.00	.00	101	e88	76	58	74	63
8	70	64	18	43	.00	.00	102	e88	71	64	76	59
9	78	61	38	43	.00	.00	102	83	69	73	68	63
10	75	61	23	43	.00	.00	102	86	76	80	60	63
11	75	64	41	43	.00	.00	93	87	74	65	65	68
12	75	65	41	43	.00	.00	96	92	67	63	67	61
13	74	63	41	43	.00	.00	96	91	65	67	69	65
14	73	64	41	43	.00	.00	99	92	61	67	73	72
15	72	67	41	43	.00	.00	60	93	68	73	70	72
16	54	73	41	43	.00	.00	90	91	65	74	63	69
17	46	68	41	43	.00	.00	89	90	68	63	72	58
18	73	70	41	43	.00	29	94	91	70	82	78	57
19	73	69	41	43	.00	73	99	88	78	81	75	45
20	70	e70	41	42	.00	76	93	86	77	59	75	43
21	68	e70	41	42	.00	75	81	85	73	62	75	48
22	68	e70	41	47	.00	82	81	82	73	59	71	e47
23	68	e70	41	69	.00	88	84	75	74	61	67	e47
24	68	e70	41	69	.00	88	92	69	75	65	68	e47
25	68	e70	41	69	.00	88	95	62	78	67	74	59
26	60	70	42	48	.00	88	96	65	83	61	82	77
27	53	75	42	26	.00	88	64	68	74	65	81	78
28	21	76	42	46	.00	88	21	72	70	62	85	77
29	27	76	42	46	.00	88	78	77	67	68	87	76
30	58	73	42	50	---	88	79	80	61	65	69	75
31	58	---	43	71	---	88	---	88	---	71	58	---
TOTAL	2017	1979	1246	1441	382.00	1127.00	2643	2567	2232	2070	2221	1807
MEAN	65.1	66.0	40.2	46.5	13.2	36.4	88.1	82.8	74.4	66.8	71.6	60.2
MAX	78	76	54	71	71	88	102	93	92	82	87	78
MIN	21	41	18	26	.00	.00	21	62	61	58	58	31
AC-FT	4000	3930	2470	2860	758	2240	5240	5090	4430	4110	4410	3580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2000, BY WATER YEAR (WY)

MEAN	63.8	46.5	39.4	26.4	28.2	47.7	77.9	79.9	78.4	77.6	76.2	75.8
MAX	76.6	66.0	54.1	54.8	48.2	79.6	94.9	93.8	97.0	99.5	95.0	93.4
(WY)	1996	2000	1994	1999	1994	1997	1989	1997	1993	1995	1993	1988
MIN	47.7	27.3	30.8	1.74	.000	.000	58.9	68.4	68.1	66.8	60.3	56.1
(WY)	1988	1999	1996	1989	1989	1989	1988	1990	1990	2000	1991	1997

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1988 - 2000	
ANNUAL TOTAL	24195.70		21732.00			
ANNUAL MEAN	66.3		59.4		59.9	
HIGHEST ANNUAL MEAN					70.2	1994
LOWEST ANNUAL MEAN					52.8	1989
HIGHEST DAILY MEAN	101	Jul 8	102	Apr 8	116	Oct 22 1989
LOWEST DAILY MEAN	.00	Jan 26	.00	Feb 7	.00	Feb 9 1988
ANNUAL SEVEN-DAY MINIMUM	.37	Jan 26	.00	Feb 7	.00	Jan 2 1989
ANNUAL RUNOFF (AC-FT)	47990		43110		43410	
10 PERCENT EXCEEDS	89		88		93	
50 PERCENT EXCEEDS	74		67		66	
90 PERCENT EXCEEDS	29		.00		17	

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1987 to current year.
SPECIFIC CONDUCTANCE: December 1987 to current year.
WATER TEMPERATURE: December 1987 to current year.

REMARKS.--Records for specific conductance are fair; records for temperature are good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 5,330 microsiemens, Jul 19, 1990; minimum recorded, 450 microsiemens, May 21, 1998.
WATER TEMPERATURE: Maximum, 32.7°C, Jul 15, 1988; minimum, 0.0°C, Dec 21, 1990.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 3,110 microsiemens, Jun 22; minimum, 826 microsiemens, Oct 26.
WATER TEMPERATURE: Maximum, 30.9°C, Jul 19, 2000; minimum, 0.2°C, Dec 24.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 4,700 microsiemens, Sep 20; minimum, 882 microsiemens, Apr 9.
WATER TEMPERATURE: Maximum, 30.9°C, Jul 19; minimum, 1.8°C, Dec 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2160	1980	2070	2240	2100	2150	2700	2590	2650	2490	2240	2340
2	2330	2130	2260	2820	2240	2710	2750	2490	2640	2380	2200	2280
3	2340	2160	2250	3000	2800	2910	2740	2430	2650	2310	2140	2220
4	2380	2180	2290	2990	2530	2770	2820	2580	2700	2520	2310	2430
5	2610	2380	2520	2980	2570	2880	2870	2660	2770	2560	2190	2410
6	2620	2430	2540	3070	2930	2990	2920	2480	2660	2490	2180	2330
7	2640	2510	2570	3010	2690	2820	2780	---	---	2480	2270	2410
8	2620	2460	2550	2860	2650	2730	2870	---	---	2490	2260	2390
9	2570	2350	2480	3000	2660	2890	2760	2460	2620	2460	2170	2310
10	2480	2290	2390	2960	2630	2810	2850	---	---	2370	2070	2260
11	2400	2290	2350	3030	2670	2860	2850	2540	2670	2280	2110	2190
12	2500	2370	2430	2850	2680	2800	2760	2540	2620	2360	1950	2230
13	2530	2370	2420	2870	2750	2810	2800	2630	2740	2360	2140	2280
14	2610	2460	2540	2920	2760	2840	2860	2630	2710	2320	2210	2270
15	2790	2530	2650	2860	2710	2800	2740	2560	2650	2420	2160	2270
16	2940	---	---	2750	2500	2550	3980	2610	3050	2370	2050	2260
17	2880	---	---	2880	2520	2750	3160	2760	2940	2310	2100	2200
18	2950	2550	2740	2910	2550	2730	3140	2110	2750	2570	2160	2300
19	2850	2560	2750	2820	2530	2710	3120	2880	2970	2750	2420	2550
20	3110	2810	2980	2920	2760	2830	3270	2580	2950	2690	2420	2530
21	3070	2840	2980	2790	2350	2570	2920	2560	2640	2830	2400	2580
22	3010	2680	2830	2450	2210	2310	2800	2500	2610	2600	2260	2530
23	2820	2410	2640	2700	2280	2470	2720	2510	2630	2820	2480	2630
24	2420	2280	2350	2780	2410	2670	2940	2290	2760	2740	2520	2660
25	2360	2170	2270	2870	2580	2710	3250	2600	2820	2800	2570	2660
26	2800	2360	2690	2900	2380	2710	2850	2580	2710	2700	---	---
27	2800	2640	2680	2720	2320	2540	2760	2440	2620	---	---	---
28	2860	---	---	2470	2320	2410	2820	2480	2600	2720	2160	2440
29	2190	---	---	2540	2310	2440	2900	2170	2480	2750	2360	2590
30	2230	2100	2170	2700	2310	2550	2440	2120	2320	2860	2420	2540
31	2220	2110	2170	---	---	---	2420	2220	2320	2780	2360	2500
MONTH	3110	---	---	3070	2100	2690	3980	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2660	2280	2410	---	---	---	1570	1460	1520	1280	1100	1190
2	2640	2300	2420	---	---	---	1640	1540	1580	1380	1160	1280
3	2620	2190	2380	---	---	---	1710	1460	1540	1360	1160	1270
4	2680	2400	2490	---	---	---	1690	1300	1430	1400	1130	1260
5	2690	1950	2300	---	---	---	1500	1100	1240	1370	1170	1280
6	---	---	---	---	---	---	1300	1010	1110	1380	1280	1340
7	---	---	---	---	---	---	1360	963	1060	1450	1340	1400
8	---	---	---	---	---	---	1200	906	1020	1560	1430	1510
9	---	---	---	---	---	---	1210	882	995	1680	1540	1600
10	---	---	---	---	---	---	1180	913	1040	1880	1630	1800
11	---	---	---	---	---	---	1520	1180	1350	1980	1810	1910
12	---	---	---	---	---	---	1720	1180	1350	2050	1860	1930
13	---	---	---	---	---	---	1520	1040	1200	2060	1860	2000
14	---	---	---	---	---	---	1380	1010	1170	2120	2000	2060
15	---	---	---	---	---	---	---	---	---	2190	1870	2000
16	---	---	---	---	---	---	1390	1190	1300	2240	1980	2130
17	---	---	---	---	---	---	1460	1290	1360	2300	2140	2210
18	---	---	---	---	---	---	1520	917	1270	2280	1790	2110
19	---	---	---	1740	1550	1610	1290	941	1160	1980	1780	1870
20	---	---	---	1610	1300	1510	1540	1290	1410	2060	1820	1950
21	---	---	---	1630	1500	1590	1570	1170	1370	2550	1910	2190
22	---	---	---	1850	1420	1610	1480	1070	1220	2490	1880	2190
23	---	---	---	1760	1500	1620	1240	984	1100	2540	2470	2510
24	---	---	---	1670	1480	1560	1290	958	1070	3040	2440	2650
25	---	---	---	1630	1440	1540	1300	1010	1070	3070	2700	2870
26	---	---	---	1560	1360	1450	1240	983	1080	2950	2460	2830
27	---	---	---	1460	1260	1370	---	---	---	2560	2430	2500
28	---	---	---	1450	1260	1360	---	---	---	2510	2340	2430
29	---	---	---	1410	1150	1240	1200	931	1030	2550	2200	2440
30	---	---	---	1390	1280	1330	1140	1030	1090	3290	2230	2590
31	---	---	---	1550	1380	1460	---	---	---	2600	2490	2510
MONTH	---	---	---	---	---	---	---	---	---	3290	1100	1990

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2580	2300	2470	3570	2450	2790	2540	2200	2440	---	---	---
2	2530	2320	2440	2640	2420	2570	3120	2180	2640	---	---	---
3	2500	2320	2450	2780	2300	2500	2470	2230	2340	2560	2360	2480
4	2780	2350	2600	2600	2230	2440	2750	2220	2530	2580	2330	2500
5	2700	2280	2540	2590	2450	2550	2550	2420	2510	2500	2330	2400
6	2480	2280	2410	2730	2280	2530	2580	2140	2500	2670	2460	2570
7	2700	2360	2550	2980	2660	2780	2890	2070	2510	2630	2540	2580
8	2690	2530	2630	2760	2230	2520	3050	2510	2750	2720	2630	2690
9	2950	2440	2760	2990	1840	2470	3190	2540	2780	2800	2670	2720
10	2630	2380	2530	---	---	---	3140	2820	2980	2730	2650	2690
11	2700	2550	2610	---	---	---	4020	2840	3250	2790	2550	2700
12	2840	2590	2710	---	---	---	3010	2670	2840	2760	2540	2690
13	3000	2770	2860	---	---	---	3340	2730	3050	2920	2590	2780
14	3100	2740	2960	---	---	---	3100	2680	2910	2830	2510	2630
15	3320	2330	2770	---	---	---	2880	2390	2750	2860	2590	2760
16	3350	2440	2940	---	---	---	3550	2360	3070	2940	2610	2760
17	3120	2740	2870	---	---	---	3350	2870	3020	3300	2610	3100
18	3830	2240	2690	3070	---	---	2940	2790	2850	3800	2980	3270
19	2480	2290	2430	3020	1960	2860	3140	2680	2950	3750	3160	3470
20	2900	2080	2410	2900	2490	2690	3040	2710	2890	4700	3620	4090
21	3180	2540	2830	3030	2760	2920	3030	2920	2960	3930	3490	3680
22	2700	2380	2540	2840	2640	2710	3140	2870	3020	3830	2650	2850
23	2810	2310	2600	3020	2650	2790	3450	2920	3210	3150	2520	2850
24	3230	2160	2640	3520	2490	2890	3400	3030	3160	2880	2480	2640
25	2440	2060	2260	2750	2440	2590	3480	2670	3050	2870	2330	2580
26	2510	1950	2330	2870	2480	2760	3360	2500	2840	2770	2320	2600
27	2720	2030	2520	2830	2530	2760	2980	2510	2750	2910	2420	2650
28	2720	2630	2680	2830	2530	2710	3110	2330	2680	3300	2300	2560
29	2740	2450	2630	3690	2200	2700	2730	2280	2470	2740	2640	2690
30	2910	2440	2730	2760	2580	2680	2520	2290	2400	2780	2640	2700
31	---	---	---	2920	2520	2680	2290	1930	2020	---	---	---
MONTH	3830	1950	2610	---	---	---	4020	1930	2780	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.7	12.4	17.0	15.6	8.7	11.9	11.4	6.9	9.0	11.0	6.2	7.9
2	23.2	12.8	17.3	17.4	8.8	12.6	11.6	5.4	8.0	10.7	5.7	7.9
3	23.1	12.8	17.4	17.4	9.1	12.8	9.2	4.5	6.7	8.4	3.2	5.3
4	23.7	12.7	17.7	16.8	8.8	12.5	8.8	2.3	5.1	8.4	2.5	5.0
5	23.4	13.1	17.7	16.8	8.4	12.2	8.9	2.7	5.6	8.2	3.0	5.0
6	18.4	13.2	15.9	17.2	8.5	12.6	9.4	3.1	6.0	7.8	2.0	4.3
7	21.4	12.8	16.2	15.5	11.1	13.2	9.7	---	---	7.4	3.0	4.6
8	22.2	11.9	16.4	16.5	10.6	13.4	9.1	---	---	7.8	2.2	4.5
9	23.3	12.9	17.6	17.1	10.4	13.5	9.0	3.7	6.1	8.1	2.2	4.8
10	23.4	13.1	17.8	17.3	9.3	12.9	---	---	---	8.9	2.9	5.3
11	23.0	13.5	17.9	16.6	8.7	12.3	8.8	3.7	6.0	8.6	3.5	5.7
12	23.1	13.4	17.7	16.6	8.5	12.1	9.7	3.0	5.8	10.4	4.4	6.8
13	22.6	12.7	17.2	16.5	8.7	12.2	10.2	5.1	7.2	11.0	5.1	7.6
14	21.9	12.3	16.6	16.2	8.2	11.8	7.6	2.6	5.1	10.3	6.2	8.0
15	21.0	12.0	15.9	16.1	8.4	11.9	8.0	1.8	4.6	11.2	6.7	8.5
16	15.3	9.4	---	16.0	9.2	12.3	9.0	2.9	5.5	10.4	8.1	9.2
17	16.5	---	---	15.2	9.4	11.9	9.9	3.3	6.3	11.8	9.5	10.5
18	17.8	8.1	12.5	14.0	7.5	10.6	8.8	4.3	6.5	14.1	10.7	12.0
19	19.0	9.5	13.8	13.8	6.9	10.0	10.4	3.8	6.5	14.6	8.8	11.6
20	18.9	9.0	13.5	14.5	8.4	11.0	10.2	3.3	6.2	15.3	10.0	12.2
21	18.6	8.5	13.2	14.3	9.5	11.2	8.2	3.5	5.6	14.4	10.2	12.0
22	19.0	9.2	13.6	10.3	5.8	7.8	8.6	3.4	5.4	14.2	8.2	10.7
23	18.4	9.6	13.6	10.2	3.6	6.4	9.2	3.1	5.5	13.3	7.5	10.2
24	18.6	9.7	13.8	10.3	3.4	6.5	9.5	3.4	6.0	13.8	10.4	11.9
25	18.5	9.9	13.8	10.1	3.7	6.6	9.8	4.0	6.4	12.5	11.6	12.0
26	18.6	9.5	13.7	11.5	4.2	7.5	8.3	5.0	6.5	---	---	---
27	19.2	10.2	14.3	10.5	6.3	8.0	10.3	4.4	6.8	11.9	---	---
28	---	---	---	11.2	5.3	8.0	10.3	4.4	6.9	11.0	5.0	7.5
29	15.2	---	---	12.2	5.7	8.7	9.9	4.1	6.5	9.9	3.5	6.4
30	16.2	8.0	11.4	11.5	6.3	9.0	9.2	3.2	5.7	10.0	4.2	7.2
31	16.8	8.1	12.0	---	---	---	8.1	3.2	5.6	13.8	8.2	9.9
MONTH	---	---	---	17.4	3.4	10.8	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.2	5.6	8.7	---	---	---	15.5	7.9	11.8	20.8	12.7	16.4
2	13.6	5.9	9.3	---	---	---	---	---	---	22.4	13.8	17.7
3	13.0	6.1	9.3	---	---	---	19.4	11.6	15.6	23.0	14.5	18.3
4	12.0	7.2	9.3	---	---	---	20.4	12.5	16.1	23.6	15.3	19.0
5	12.3	7.2	9.4	---	---	---	19.1	12.8	15.5	19.6	15.7	17.8
6	13.9	6.2	---	---	---	---	18.3	12.4	15.1	22.5	15.0	18.3
7	---	---	---	---	---	---	17.7	12.0	14.3	23.8	15.6	19.1
8	---	---	---	---	---	---	18.2	11.8	15.0	22.6	16.3	19.2
9	---	---	---	---	---	---	17.5	12.4	14.7	23.9	15.2	19.4
10	---	---	---	---	---	---	14.3	10.6	12.4	23.1	16.6	19.5
11	---	---	---	---	---	---	19.1	10.3	14.8	21.0	12.9	16.4
12	---	---	---	---	---	---	20.1	12.1	15.8	21.6	11.0	15.9
13	---	---	---	---	---	---	18.3	12.5	15.4	23.1	12.1	17.2
14	---	---	---	---	---	---	16.6	13.0	14.8	19.5	13.3	16.5
15	---	---	---	---	---	---	---	---	---	20.6	13.6	16.9
16	---	---	---	---	---	---	17.6	12.4	14.7	20.5	13.4	16.4
17	---	---	---	---	---	---	18.5	11.6	14.7	18.5	13.3	15.7
18	---	---	---	---	---	---	15.3	11.9	13.6	23.8	13.6	18.0
19	---	---	---	15.4	8.0	11.7	18.4	10.1	13.7	24.1	15.1	19.5
20	---	---	---	11.0	5.7	8.2	20.8	11.8	15.8	26.3	15.7	20.6
21	---	---	---	11.0	5.4	8.2	21.0	13.8	16.7	27.0	16.0	21.2
22	---	---	---	15.2	7.3	11.6	19.8	14.2	16.3	27.5	17.3	22.3
23	---	---	---	16.6	9.9	12.8	20.2	13.8	16.6	28.1	17.7	22.8
24	---	---	---	16.3	9.8	13.1	19.7	13.8	16.3	26.0	18.7	22.4
25	---	---	---	18.2	10.9	14.2	19.4	---	---	27.1	18.3	22.4
26	---	---	---	18.2	11.2	14.5	20.5	13.4	16.7	27.8	18.8	22.8
27	---	---	---	15.5	11.5	13.3	---	---	---	28.8	18.0	23.0
28	---	---	---	17.1	11.7	14.1	---	---	---	29.4	18.6	23.6
29	---	---	---	17.4	11.7	14.3	18.8	13.5	15.6	28.6	19.1	23.3
30	---	---	---	14.6	8.1	11.7	19.1	11.5	14.9	27.1	17.2	21.9
31	---	---	---	13.5	8.0	10.4	---	---	---	27.4	16.5	21.5
MONTH	---	---	---	---	---	---	---	---	---	29.4	11.0	19.5

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.1	15.0	20.3	27.7	18.4	22.6	28.9	18.0	22.8	---	---	---
2	27.0	16.3	21.3	28.2	16.8	21.9	28.1	18.1	22.7	25.4	---	---
3	27.9	16.0	21.5	25.5	16.5	20.6	28.3	19.2	23.1	25.8	16.5	20.9
4	28.5	16.0	21.8	26.5	14.5	20.1	29.5	18.5	23.4	26.6	16.7	21.4
5	26.2	16.7	21.4	25.8	14.6	19.9	29.0	18.0	23.0	24.2	16.3	20.1
6	27.2	15.9	21.2	26.8	14.5	20.2	28.6	17.3	22.4	24.6	15.4	19.5
7	25.8	15.9	20.6	27.8	15.0	20.8	27.9	18.3	21.9	25.8	15.8	20.4
8	24.9	16.9	20.2	25.9	18.2	21.6	26.9	17.9	21.5	24.7	18.2	21.3
9	25.8	14.1	19.5	26.1	18.7	21.8	23.8	18.8	21.0	26.0	16.2	20.7
10	26.4	14.9	20.5	28.9	19.0	23.3	28.6	17.0	22.1	25.4	15.3	20.0
11	27.2	15.6	21.1	29.6	16.3	22.3	28.2	16.0	21.7	25.7	16.3	20.5
12	26.2	16.0	20.8	29.7	16.5	22.6	28.1	16.7	22.0	25.4	15.5	20.1
13	27.4	15.8	20.9	25.5	16.4	21.0	28.6	17.2	22.4	23.9	15.5	19.6
14	28.3	15.2	20.7	26.2	17.2	21.5	28.2	18.8	23.0	26.1	16.0	20.7
15	27.1	16.5	21.6	26.5	18.8	22.0	27.5	19.3	22.9	25.8	16.2	20.7
16	28.5	17.0	21.5	27.2	17.8	22.5	25.7	17.9	21.5	26.6	16.8	21.2
17	24.0	13.6	18.9	29.1	19.8	23.9	27.8	18.2	22.1	26.4	16.9	21.3
18	26.2	17.1	21.4	29.7	18.3	23.7	27.8	19.2	22.9	26.0	17.1	20.9
19	27.1	18.1	22.3	30.1	18.0	23.8	27.3	18.5	22.4	26.1	16.8	21.3
20	27.9	16.7	21.7	28.9	18.3	23.5	26.6	15.9	20.7	27.5	17.9	22.3
21	27.8	15.2	21.1	28.0	15.0	21.1	26.9	15.4	20.6	25.2	18.3	21.4
22	26.9	17.4	21.6	28.6	15.4	21.5	26.2	16.8	21.3	23.5	16.1	19.2
23	26.7	18.0	21.7	29.6	16.9	22.5	25.3	18.9	21.4	20.5	14.2	17.0
24	26.5	17.7	20.9	29.3	17.7	23.1	27.2	18.2	22.0	20.8	10.8	15.1
25	27.0	17.9	22.3	29.6	18.2	23.3	26.8	18.6	22.4	22.0	12.0	16.6
26	26.6	19.1	22.4	28.1	17.2	22.2	27.7	18.9	22.9	22.9	13.1	17.5
27	29.3	17.9	23.2	28.8	16.6	22.1	25.0	19.1	21.8	23.9	16.4	19.7
28	29.5	18.1	23.4	28.6	16.5	22.0	27.4	18.5	22.5	24.8	17.0	20.4
29	29.6	19.4	23.7	28.7	16.7	22.1	23.8	19.9	21.7	24.9	15.9	19.9
30	29.3	18.8	23.5	29.0	16.4	22.1	21.9	20.4	20.9	25.0	16.1	20.1
31	---	---	---	28.3	17.6	22.4	23.5	18.6	21.1	---	---	---
MONTH	29.6	13.6	21.4	30.1	14.5	22.1	29.5	15.4	22.1	---	---	---

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 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, and Feb 11, 2000.

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 4	2230	*40	*2.32				

Minimum daily discharge, 0.51 ft^3/s, Feb 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.2	2.2	e2.0	e.70	e2.8	7.2	25	12	4.6	3.2	3.8
2	2.3	2.3	2.2	e2.1	.89	e2.7	7.5	28	11	4.5	3.2	3.4
3	2.3	2.3	2.8	e2.0	.87	e2.7	9.9	30	10	4.4	3.2	3.2
4	2.2	2.3	4.6	e1.9	.83	2.8	14	33	9.9	4.2	3.2	3.1
5	2.2	2.2	2.5	e1.9	.79	4.0	17	34	9.4	4.1	3.1	3.0
6	2.2	2.2	1.5	e2.0	.79	3.3	19	32	8.9	4.1	3.1	2.9
7	2.2	2.2	1.5	e2.1	.79	4.3	21	31	8.3	4.1	3.1	2.9
8	2.2	2.2	1.5	e2.1	.78	2.8	22	28	8.0	4.1	3.1	2.9
9	2.2	2.3	1.4	e2.1	.67	3.5	23	26	7.8	4.1	3.1	2.9
10	2.2	2.2	e1.6	e2.0	.52	5.1	21	27	7.8	4.0	3.0	2.9
11	2.3	2.2	e1.4	e2.0	.51	4.5	17	27	7.4	3.8	3.0	2.9
12	2.3	2.3	e1.4	e2.0	.80	4.5	18	22	7.2	3.8	2.9	2.8
13	2.3	2.3	e1.4	e1.8	1.1	5.4	20	19	7.0	3.8	2.9	2.7
14	2.3	2.2	e1.4	e1.6	1.3	6.5	23	17	6.8	3.8	3.0	2.7
15	2.3	2.2	e1.5	e1.5	1.8	7.2	21	15	6.6	3.8	3.0	2.7
16	2.2	2.2	e1.9	e1.3	1.9	6.6	19	15	6.4	3.7	4.5	2.6
17	2.2	2.2	e2.0	1.2	2.3	6.4	17	14	6.2	3.6	3.6	2.6
18	2.3	2.2	e1.9	1.1	2.1	6.2	18	14	6.2	3.7	3.2	2.6
19	2.3	2.2	e1.9	.98	2.2	6.4	16	13	6.4	3.6	3.0	2.6
20	2.3	2.2	e1.9	.91	2.0	6.4	15	12	6.1	3.6	2.9	2.5
21	2.3	2.3	e2.0	.78	4.0	5.6	18	12	5.8	3.6	2.8	2.5
22	2.3	2.3	e2.0	.74	3.1	5.4	21	13	5.7	3.5	2.8	2.5
23	2.3	e2.3	e2.1	.73	2.8	6.1	22	15	5.6	3.6	2.8	2.5
24	2.3	e2.2	e2.1	.70	2.7	6.5	25	17	5.6	3.5	2.9	2.4
25	2.3	1.9	e2.0	.72	e2.6	7.4	25	18	5.4	3.5	3.1	2.4
26	2.3	1.9	e2.0	.92	e2.5	9.4	26	18	5.3	3.4	3.1	2.4
27	2.2	2.2	e2.0	e.80	e2.5	11	30	17	5.1	3.4	3.0	2.4
28	2.2	2.2	e2.0	e.70	e2.4	11	34	15	5.1	3.3	3.3	2.4
29	2.2	2.2	e2.0	e.65	e2.4	10	32	15	4.9	3.3	3.8	2.3
30	2.2	2.2	e1.9	e.68	---	9.4	27	14	4.8	3.3	5.9	2.3
31	2.2	---	e1.9	e.80	---	7.9	---	13	---	3.2	4.7	---
TOTAL	69.9	66.3	60.5	42.81	48.64	183.8	605.6	629	212.7	117.0	101.5	81.8
MEAN	2.25	2.21	1.95	1.38	1.68	5.93	20.2	20.3	7.09	3.77	3.27	2.73
MAX	2.3	2.3	4.6	2.1	4.0	11	34	34	12	4.6	5.9	3.8
MIN	2.2	1.9	1.4	.65	.51	2.7	7.2	12	4.8	3.2	2.8	2.3
AC-FT	139	132	120	85	96	365	1200	1250	422	232	201	162

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2000, BY WATER YEAR (WY)

MEAN	3.57	3.84	3.71	2.75	3.29	6.61	17.0	33.2	25.1	10.9	6.02	4.10
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1960 - 2000	
ANNUAL TOTAL	1757.0		2219.55			
ANNUAL MEAN	4.81		6.06		10.0	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					2.30	1977
HIGHEST DAILY MEAN	30	Jun 7	34	Apr 28	397	Dec 6 1966
LOWEST DAILY MEAN	1.4	Dec 9	.51	Feb 11	.51	Feb 15 1990
ANNUAL SEVEN-DAY MINIMUM	1.4	Dec 8	.69	Feb 5	.55	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	3490		4400		7270	
10 PERCENT EXCEEDS	10		17		24	
50 PERCENT EXCEEDS	3.1		2.9		4.0	
90 PERCENT EXCEEDS	2.2		1.5		1.7	

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 for daily 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 Dec 6, 1966 reached a discharge of 2,080 ft^3/s, from flow over dam measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38 ft^3/s, Aug 31, gage height, 1.34 ft; minimum daily discharge, 0.15 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	11	.55	.44	.52	.92	1.3	9.6	.70	7.7	.17	7.9
2	.42	11	.55	.41	.57	.82	1.2	12	.72	7.8	.20	7.0
3	.42	11	.49	.36	.55	.85	1.6	15	.60	7.6	.23	6.5
4	.42	11	1.1	.41	.55	.98	1.6	18	.57	7.2	.24	6.4
5	.43	12	2.6	.41	.51	1.5	4.4	22	.59	7.4	.25	6.3
6	.45	11	.43	.38	.52	1.2	5.7	17	.61	5.9	.23	6.3
7	.48	11	.43	.39	.55	.87	8.8	15	.53	.22	.21	6.2
8	.49	12	.42	.41	.55	.81	8.4	12	.50	.19	.24	6.5
9	.50	12	.40	.41	.55	.81	11	11	.50	.19	.26	6.5
10	.49	12	.45	.41	.57	.79	9.2	9.3	.50	.21	.25	6.6
11	.48	12	.40	.41	.59	.73	2.2	11	7.5	.17	.23	6.9
12	.52	12	.39	.42	.68	.79	3.4	7.0	11	.19	.23	6.8
13	.50	12	.39	.43	.64	1.1	3.1	4.8	11	.18	.23	6.7
14	.49	11	.37	.48	.63	1.2	7.4	2.5	10	.18	.25	6.8
15	.50	11	.38	.48	.63	1.4	8.3	.95	9.9	.18	.25	6.9
16	.60	11	.49	.47	.67	1.4	3.8	.90	8.9	.16	.26	7.0
17	.70	11	.47	.48	.78	1.3	1.3	.91	9.6	.16	.26	7.0
18	.75	11	.44	.48	.72	1.2	2.7	1.5	8.8	.17	.24	6.8
19	.78	11	.38	.48	.68	1.2	1.8	1.2	9.2	.16	.24	6.8
20	.80	11	.39	.49	.74	1.4	1.2	1.1	9.0	.16	.23	6.8
21	.81	11	.40	.51	1.2	1.5	2.8	.87	8.4	.15	.21	6.9
22	.80	11	.37	.49	1.3	1.0	5.7	.70	8.8	.15	.22	6.9
23	.83	3.6	.40	.48	.89	1.1	7.5	.95	9.3	.16	.25	7.2
24	.84	.49	.40	.51	.96	1.1	12	1.5	9.4	.15	.24	7.3
25	.85	.47	.40	.51	.94	1.2	12	4.0	9.6	.15	.28	4.8
26	.88	.47	.41	.65	.95	1.6	9.7	6.1	9.5	.15	.27	.30
27	.92	.44	.40	.56	.87	4.1	15	3.1	8.6	.15	.25	.28
28	1.0	.42	.41	.50	.92	4.0	22	2.4	7.9	.16	.25	.26
29	1.1	.42	.40	.49	.87	3.6	20	1.7	8.4	.15	2.9	.27
30	5.9	.48	.39	.52	---	3.1	12	1.1	8.0	.16	11	.26
31	9.8	---	.40	.62	---	1.7	---	.83	---	.17	11	---
TOTAL	34.37	255.79	15.90	14.49	21.10	45.27	207.1	196.01	188.62	47.82	31.57	169.17
MEAN	1.11	8.53	.51	.47	.73	1.46	6.90	6.32	6.29	1.54	1.02	5.64
MAX	9.8	12	2.6	.65	1.3	4.1	22	22	11	7.8	11	7.9
MIN	.42	.42	.37	.36	.51	.73	1.2	.70	.50	.15	.17	.26
AC-FT	68	507	32	29	42	90	411	389	374	95	63	336

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

MEAN	3.15	4.27	3.70	3.08	3.57	12.6	10.6	21.3	19.6	7.47	2.91	4.26
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	.47	.55	.75	.87	.47	.34	.28	.30	.36
(WY)	1992	1990	1990	2000	1990	1990	1996	1990	1996	1996	1996	1999

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	1029.76		1227.21			
ANNUAL MEAN	2.82		3.35		8.06	
HIGHEST ANNUAL MEAN					24.5	1995
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	14	Jun 3	22	Apr 28	393	Mar 11 1995
LOWEST DAILY MEAN	.22	Aug 22	.15	Jul 21	.13	Aug 15 1991
ANNUAL SEVEN-DAY MINIMUM	.25	Aug 21	.15	Jul 21	.15	Jul 21 2000
ANNUAL RUNOFF (AC-FT)	2040		2430		5840	
10 PERCENT EXCEEDS	9.6		11		19	
50 PERCENT EXCEEDS	1.2		.81		1.3	
90 PERCENT EXCEEDS	.37		.24		.42	

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 fair except for estimated daily discharges, which are poor. Many diversions for irrigation upstream of gage. Some regulation of low flow 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, 681 ft^3/s, Aug 29, gage height, 4.90 ft; minimum daily discharge, 0.47 ft^3/s, Aug 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	8.2	13	13	15	30	18	12	9.8	6.8	.48	12
2	3.6	8.9	13	13	15	30	18	6.4	8.9	6.9	.48	9.6
3	3.1	9.1	13	13	15	28	17	6.8	8.4	4.8	.48	9.3
4	4.8	9.5	13	13	15	28	17	6.3	8.0	5.0	.51	8.1
5	4.7	9.8	13	14	15	31	16	6.6	7.1	5.4	.47	6.3
6	4.4	10	13	14	14	36	15	16	5.5	5.9	.48	4.9
7	4.7	10	13	14	14	32	14	16	6.2	5.8	.85	4.4
8	4.2	10	13	14	14	29	15	17	6.8	4.6	.94	3.9
9	4.6	11	14	14	15	32	15	16	6.9	4.3	.92	4.4
10	4.5	10	14	14	15	30	19	16	6.6	4.3	1.0	4.1
11	5.0	11	13	14	15	28	18	16	6.9	4.3	1.0	3.5
12	5.3	11	14	15	16	30	17	16	7.8	4.2	.81	2.5
13	4.3	11	14	15	16	29	17	15	8.2	3.7	.65	3.0
14	5.2	11	13	15	16	26	20	14	8.2	3.3	.66	2.5
15	5.2	11	13	15	17	25	22	13	8.1	2.9	.66	3.2
16	5.3	12	14	15	19	23	21	12	8.3	2.9	.62	3.8
17	6.6	12	14	15	22	22	21	11	9.2	1.7	3.7	3.5
18	6.8	11	14	15	20	21	22	11	11	1.3	2.8	4.7
19	6.7	12	14	15	20	21	21	12	9.3	1.3	1.7	4.2
20	6.9	12	14	15	20	22	19	10	5.8	1.5	2.3	1.7
21	7.3	12	14	14	27	22	18	11	7.1	1.9	2.6	1.6
22	7.2	11	13	14	57	22	16	8.6	9.4	1.9	1.2	2.3
23	6.8	11	14	14	54	22	16	8.2	8.4	1.7	2.1	3.7
24	5.1	12	14	14	57	22	15	9.1	8.3	1.9	2.0	3.4
25	7.2	12	14	14	32	23	11	10	8.3	1.4	2.4	3.8
26	6.7	12	14	16	30	23	13	11	7.4	1.4	3.1	3.3
27	6.6	12	14	15	29	24	13	12	6.7	1.3	2.8	3.8
28	6.9	12	14	15	30	24	14	11	6.2	1.3	2.9	5.1
29	6.8	12	13	14	30	24	14	10	6.0	1.4	63	4.4
30	7.1	12	13	14	---	23	14	9.2	6.4	1.3	21	4.3
31	7.6	---	13	14	---	20	---	9.6	---	.86	12	---
TOTAL	175.9	328.5	419	443	674	802	506	358.8	231.2	97.26	136.61	135.3
MEAN	5.67	10.9	13.5	14.3	23.2	25.9	16.9	11.6	7.71	3.14	4.41	4.51
MAX	7.6	12	14	16	57	36	22	17	11	6.9	63	12
MIN	3.1	8.2	13	13	14	20	11	6.3	5.5	.86	.47	1.6
AC-FT	349	652	831	879	1340	1590	1000	712	459	193	271	268

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2000, BY WATER YEAR (WY)

MEAN	11.0	15.5	15.9	21.8	39.0	54.1	41.2	42.3	31.7	12.4	9.48	8.89
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	2.80
(WY)	1992	1990	1978	1972	1972	1971	1977	1989	1972	1977	1989	1990

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1970 - 2000	
ANNUAL TOTAL	5714.1		4307.57			
ANNUAL MEAN	15.7		11.8		25.2	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					7.10	1990
HIGHEST DAILY MEAN	50	Feb 10	63	Aug 29	2040	Feb 15 1980
LOWEST DAILY MEAN	3.1	Sep 12	.47	Aug 5	.00	Jul 26 1977
ANNUAL SEVEN-DAY MINIMUM	3.9	Sep 6	.54	Aug 1	.02	Aug 1 1977
ANNUAL RUNOFF (AC-FT)	11330		8540		18250	
10 PERCENT EXCEEDS	32		22		52	
50 PERCENT EXCEEDS	13		11		13	
90 PERCENT EXCEEDS	4.8		2.1		4.9	

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 March 29, 1988, at several sites upstream and downstream at different datums.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s, which are poor. Flow regulated by Gunlock Reservoir. Several diversions upstream for irrigation.

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 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 CURRENT YEAR.--Maximum discharge, 96 ft^3/s, Feb 17, gage height, 11.85 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	.06	.26	.21	.20	1.3	18	14	6.1	10	12	2.0
2	15	.06	.26	.30	.14	1.1	18	13	6.9	11	11	.00
3	14	.05	.17	.23	.15	1.1	17	13	8.0	11	11	.00
4	12	.05	.02	.28	.13	1.1	16	13	14	12	12	.00
5	12	.05	.05	.29	.13	1.7	16	8.5	14	13	12	.00
6	10	.05	.07	.30	.14	2.3	14	7.1	14	14	13	.00
7	5.3	.05	.08	.43	.11	2.6	9.7	7.6	12	13	13	.00
8	.49	.05	.06	.56	.11	3.2	8.3	12	12	12	14	.00
9	.19	.05	.08	.47	.11	3.6	19	21	15	12	14	.00
10	.08	.06	.13	.40	.11	2.6	18	19	14	11	14	.00
11	.05	.06	.11	.39	.11	2.3	15	14	14	11	14	.00
12	.04	.05	.16	.28	.27	1.4	15	15	17	11	13	.00
13	.03	.07	.16	.30	.20	1.6	15	15	17	11	13	.00
14	.02	.05	.14	.30	.18	2.1	15	15	16	11	12	.00
15	.00	.06	.15	.36	.16	2.5	18	15	15	11	13	.00
16	.01	.06	.11	.40	.57	2.4	18	17	15	12	15	.00
17	.00	.07	.05	.31	3.6	2.3	18	19	14	11	15	.00
18	.00	.09	.03	.32	2.1	2.3	14	17	14	12	14	.00
19	.00	.15	.02	.29	1.1	2.4	11	19	12	12	13	.00
20	.02	.14	.01	.27	.55	3.8	9.1	14	11	12	15	.00
21	.03	.18	.07	.25	.54	8.7	6.9	14	10	12	9.7	.00
22	.03	.18	.17	.27	.44	8.1	8.5	13	11	12	.10	.00
23	.04	.19	.21	.26	5.0	10	12	12	12	12	.00	.00
24	.01	.20	.21	.23	6.7	13	12	12	11	11	.07	.00
25	.02	.21	.19	.27	1.8	13	15	14	11	11	.00	.00
26	.01	.23	.21	2.4	1.5	13	14	15	10	11	.00	.00
27	.02	.24	.22	.21	1.3	14	13	16	10	11	.00	.00
28	.04	.24	.21	.17	1.3	12	13	16	11	11	.00	.00
29	.03	.26	.31	.21	1.3	14	14	14	9.8	11	.00	.00
30	.04	.26	.31	.23	---	18	15	11	10	11	.25	.00
31	.05	---	.41	.18	---	19	---	7.4	---	11	.00	---
TOTAL	85.55	3.52	4.64	11.37	30.05	186.5	425.5	432.6	366.8	357	273.12	2.00
MEAN	2.76	.12	.15	.37	1.04	6.02	14.2	14.0	12.2	11.5	8.81	.067
MAX	16	.26	.41	2.4	6.7	19	19	21	17	14	15	2.0
MIN	.00	.05	.01	.17	.11	1.1	6.9	7.1	6.1	10	.00	.00
AC-FT	170	7.0	9.2	23	60	370	844	858	728	708	542	4.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

MEAN	3.62	5.41	3.71	13.0	32.8	51.6	44.9	39.0	34.2	18.1	15.0	10.4
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	3036.61		2178.65			
ANNUAL MEAN	8.32		5.95		22.6	
HIGHEST ANNUAL MEAN					90.1	1980
LOWEST ANNUAL MEAN					3.76	1990
HIGHEST DAILY MEAN	23	Jul 29	21	May 9	1530	Mar 3 1983
LOWEST DAILY MEAN	.00	Oct 15	.00	Oct 15	.00	Oct 8 1972
ANNUAL SEVEN-DAY MINIMUM	.01	Oct 14	.00	Sep 2	.00	Oct 8 1972
ANNUAL RUNOFF (AC-FT)	6020		4320		16340	
10 PERCENT EXCEEDS	14		15		49	
50 PERCENT EXCEEDS	9.7		1.5		12	
90 PERCENT EXCEEDS	.06		.00		.00	

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 January 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 and November 1984 to September 1989, 0.5 mi downstream from present site, both at different datum.

REMARKS.--Records fair except for daily discharges less than 2.0 ft^3/s and estimated daily discharges, 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, and 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 471 ft^3/s, Aug 29, gage height, 7.97 ft; minimum daily discharge, 0.42 ft^3/s, Jul 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.0	6.5	3.3	2.6	5.9	4.0	1.1	1.7	1.1	.67	11
2	2.9	2.2	3.9	8.1	2.5	5.5	3.5	1.4	1.6	1.1	.65	7.5
3	3.8	3.1	2.4	3.1	2.5	5.3	2.8	.96	1.6	1.1	.65	5.6
4	2.3	3.1	3.1	2.7	2.2	5.5	2.9	1.2	1.5	1.2	.67	4.5
5	2.3	2.2	3.1	2.6	2.2	9.8	3.4	.88	1.5	1.2	1.0	3.9
6	3.0	.95	2.5	2.5	2.5	7.1	4.8	.99	1.7	1.4	1.4	3.5
7	2.8	1.1	3.1	2.7	2.4	6.0	4.1	.80	1.4	1.3	.60	2.8
8	2.8	1.3	3.1	2.6	2.3	6.2	3.8	1.0	1.3	1.5	.64	3.1
9	2.6	2.1	3.1	2.5	2.4	9.6	3.9	.71	1.3	1.5	.96	2.6
10	2.5	2.2	2.8	2.6	2.2	6.7	3.1	.70	1.5	2.4	.84	2.4
11	2.4	2.2	3.0	2.7	2.4	5.7	3.1	.77	1.6	1.9	.94	1.9
12	2.2	3.2	3.8	2.7	6.5	5.6	3.5	.84	1.5	1.5	e.90	2.1
13	1.4	2.6	2.9	2.7	3.0	5.4	2.9	.86	2.4	.90	e.80	2.2
14	1.2	2.6	3.3	2.7	2.6	4.7	1.6	.92	1.4	1.1	.73	2.1
15	1.9	2.5	3.2	2.7	2.5	4.7	2.1	1.0	1.7	.98	.74	2.5
16	2.4	3.4	3.5	2.6	3.5	3.6	1.9	1.2	1.4	.97	.95	2.0
17	2.4	3.9	3.3	2.6	29	4.7	2.3	e1.1	1.5	e.80	.91	2.3
18	2.3	3.1	3.8	2.8	5.6	4.6	1.7	1.6	1.5	e.68	2.6	2.8
19	3.0	1.7	4.6	2.7	4.1	3.6	1.6	1.4	1.3	e.65	.80	2.6
20	3.0	1.9	3.6	2.6	4.0	4.9	1.3	1.5	1.2	e.60	.88	2.1
21	2.0	2.3	3.6	2.6	4.3	5.8	.83	1.8	1.2	e.50	.93	2.4
22	3.5	5.4	3.4	2.3	7.6	5.1	.87	1.8	1.1	.42	.84	2.1
23	2.9	5.4	3.6	2.5	6.4	4.8	1.0	1.8	1.4	.57	.84	2.7
24	1.9	6.6	3.2	2.5	13	4.8	1.0	2.0	1.2	.64	.84	3.3
25	1.7	6.4	3.3	2.6	6.3	4.0	1.2	2.0	1.4	.56	.83	2.3
26	2.1	6.6	3.5	4.8	6.3	2.3	1.4	2.0	1.4	1.2	.81	.84
27	2.4	6.7	3.0	2.7	5.8	1.6	.91	2.5	2.5	.51	.80	.88
28	1.6	6.2	3.5	2.6	9.9	1.9	.84	1.8	1.4	.53	.96	1.6
29	1.7	5.9	3.6	2.6	6.6	1.6	.63	1.9	1.3	.81	31	3.2
30	2.1	7.1	e3.0	3.8	---	2.2	1.2	1.8	1.3	.74	27	3.0
31	2.4	---	2.7	2.8	---	4.0	---	1.9	---	.78	14	---
TOTAL	74.2	105.95	105.0	91.3	153.2	153.2	68.18	42.23	44.8	31.14	97.18	91.82
MEAN	2.39	3.53	3.39	2.95	5.28	4.94	2.27	1.36	1.49	1.00	3.13	3.06
MAX	3.8	7.1	6.5	8.1	29	9.8	4.8	2.5	2.5	2.4	31	11
MIN	1.2	.95	2.4	2.3	2.2	1.6	.63	.70	1.1	.42	.60	.84
AC-FT	147	210	208	181	304	304	135	84	89	62	193	182

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-56, 1986-2000, BY WATER YEAR (WY)

MEAN	3.57	5.41	6.83	13.4	17.5	36.8	23.4	15.5	10.8	5.36	6.45	4.06
MAX	10.5	22.1	26.5	128	136	313	136	80.8	73.5	29.1	38.8	12.7
(WY)	1999	1999	1999	1993	1993	1995	1952	1993	1995	1995	1955	1998
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951-56, 1986-2000	
ANNUAL TOTAL	2757.96		1058.20			
ANNUAL MEAN	7.56		2.89		12.7	
HIGHEST ANNUAL MEAN					56.0	1993
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	36	Jan 1	31	Aug 29	2910	Mar 12 1995
LOWEST DAILY MEAN	.91	Jul 4	.42	Jul 22	.00	Sep 21 1951
ANNUAL SEVEN-DAY MINIMUM	1.4	Jun 25	.56	Jul 19	.00	Aug 2 1956
ANNUAL RUNOFF (AC-FT)	5470		2100		9180	
10 PERCENT EXCEEDS	21		5.5		23	
50 PERCENT EXCEEDS	4.4		2.4		3.7	
90 PERCENT EXCEEDS	1.9		.84		.50	

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 and 2.5 mi south of St. George.

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. From May 18, 1992 to February 20, 1993 at site 180 ft upstream at same datum. Prior to September 19, 1978 at site 1.5 mi downstream at different datum.

REMARKS.--Records are good except for Dec 23, 26-27, Jan 1-6, 13-15, 17-18, and Feb 20, which are fair, and flows less than 30 ft^3/s and estimated daily discharges, which are poor.

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, Sep 5, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,040 ft^3/s, Feb 24, gage height, 3.66 ft; minimum daily discharge, 9.9 ft^3/s, Aug 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	e130	93	132	117	226	171	245	28	11	24	175
2	59	e95	92	162	100	211	147	198	32	11	17	121
3	68	e78	96	153	108	201	158	184	26	12	18	94
4	61	81	92	135	109	206	181	174	29	23	16	92
5	53	74	90	139	99	323	217	188	28	14	9.9	97
6	45	74	91	131	91	360	241	172	e27	15	18	77
7	52	91	91	122	133	282	272	154	35	10	72	62
8	51	89	98	123	e110	221	305	129	e25	31	24	51
9	54	79	97	127	e115	297	330	133	e23	77	12	59
10	58	80	103	126	e120	323	313	108	e25	80	e17	55
11	78	72	98	137	141	272	216	88	e24	38	14	50
12	63	70	101	136	184	259	185	e75	e28	18	20	57
13	49	63	98	135	e200	263	212	e68	e24	22	e15	47
14	59	75	100	145	e135	256	253	e68	e22	16	12	64
15	54	77	97	147	e165	257	e235	e75	22	14	24	44
16	51	85	86	140	159	241	221	e70	16	e20	24	34
17	86	79	89	123	265	237	203	e71	17	e18	e26	34
18	77	77	95	124	161	209	256	87	25	e23	36	38
19	66	73	87	113	135	194	268	118	37	38	25	27
20	57	73	86	109	127	e195	202	95	23	18	22	22
21	65	92	107	106	181	e195	205	82	15	14	17	38
22	80	110	107	103	324	e170	252	69	24	15	20	40
23	93	101	104	82	239	e150	271	e38	17	16	28	37
24	119	88	87	88	595	153	267	e35	27	31	38	45
25	127	88	87	71	343	151	257	e35	47	19	27	47
26	85	86	98	e110	210	154	281	38	32	12	29	52
27	67	92	107	e170	206	184	360	50	36	13	35	39
28	e100	104	109	e125	250	187	398	54	21	11	54	57
29	e120	104	115	e115	240	225	295	42	20	12	110	45
30	e105	98	125	e115	---	193	278	33	11	11	e600	47
31	e125	---	118	e110	---	176	---	36	---	16	e400	---
TOTAL	2296	2578	3044	3854	5362	6971	7450	3012	766	679	1803.9	1747
MEAN	74.1	85.9	98.2	124	185	225	248	97.2	25.5	21.9	58.2	58.2
MAX	127	130	125	170	595	360	398	245	47	80	600	175
MIN	45	63	86	71	91	150	147	33	11	10	9.9	22
AC-FT	4550	5110	6040	7640	10640	13830	14780	5970	1520	1350	3580	3470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2000, BY WATER YEAR (WY)

MEAN	123	166	179	240	312	403	439	498	186	91.3	99.4	114
MAX	322	286	350	695	1642	1124	1335	1839	1146	244	246	422
(WY)	1984	1984	1984	1989	1980	1995	1993	1983	1983	1984	1982	1998
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1978 - 2000	
ANNUAL TOTAL	44726		39562.9			
ANNUAL MEAN	123		108		237	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					61.0	1991
HIGHEST DAILY MEAN	876	Aug 31	600	Aug 30	13000	Jan 1 1989
LOWEST DAILY MEAN	26	Jul 5	9.9	Aug 5	9.5	Sep 5 1991
ANNUAL SEVEN-DAY MINIMUM	30	Jun 30	13	Jul 25	13	Aug 7 1990
ANNUAL RUNOFF (AC-FT)	88710		78470		171800	
10 PERCENT EXCEEDS	230		240		528	
50 PERCENT EXCEEDS	92		88		135	
90 PERCENT EXCEEDS	49		19		32	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ 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, and 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 good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s, Aug 25, 1955, gage height 12.70 ft, site and datum then in use; no flow at times in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 60,000 ft^3/s (estimate), Jan 1, 1989, gage height, about 30.0 ft, result of Quail Creek reservoir dike failure.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,330 ft^3/s, Aug 31, gage height, 5.97 ft; minimum daily discharge, 14 ft^3/s, Jul 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	133	99	97	101	256	168	236	28	16	26	237
2	61	101	93	121	93	250	148	213	28	16	24	159
3	67	79	103	114	95	235	158	187	29	17	25	100
4	66	84	107	102	100	242	168	186	33	27	21	95
5	55	86	100	111	92	346	188	198	31	26	16	101
6	50	80	95	105	78	369	217	186	34	23	19	79
7	56	98	98	101	115	274	216	163	34	17	53	60
8	59	103	108	115	112	227	238	143	32	17	63	51
9	57	90	96	113	118	290	249	148	23	63	19	48
10	60	90	115	100	119	294	249	121	25	93	21	46
11	87	89	104	112	135	265	230	98	25	45	18	50
12	68	87	102	104	166	261	195	77	32	27	23	57
13	54	76	96	110	201	253	204	70	18	28	16	54
14	59	89	93	120	148	241	226	68	18	22	15	65
15	59	90	95	129	164	248	243	75	25	20	25	49
16	60	90	89	137	145	247	193	67	19	25	26	41
17	93	84	95	109	271	246	188	62	17	23	24	34
18	80	92	94	106	e180	214	225	69	22	18	30	39
19	73	85	82	98	e150	206	245	125	33	41	28	33
20	62	78	76	98	e150	213	209	107	27	29	28	28
21	63	107	92	86	e200	210	207	89	18	19	25	35
22	73	124	102	99	e350	167	232	82	25	16	22	39
23	93	117	107	75	315	161	242	46	24	15	26	43
24	116	103	89	85	e600	160	252	40	30	32	35	66
25	122	102	75	68	e360	169	247	34	51	23	32	67
26	91	98	84	112	e235	166	268	33	39	18	29	92
27	65	98	89	171	e235	181	278	41	41	18	34	70
28	105	118	95	125	e315	189	292	48	31	14	50	60
29	125	117	94	116	306	207	251	43	30	18	117	52
30	108	111	108	110	---	196	261	36	17	15	635	46
31	132	---	98	105	---	182	---	39	---	19	539	---
TOTAL	2395	2899	2973	3354	5649	7165	6687	3130	839	800	2064	1996
MEAN	77.3	96.6	95.9	108	195	231	223	101	28.0	25.8	66.6	66.5
MAX	132	133	115	171	600	369	292	236	51	93	635	237
MIN	50	76	75	68	78	160	148	33	17	14	15	28
AC-FT	4750	5750	5900	6650	11200	14210	13260	6210	1660	1590	4090	3960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

MEAN	87.5	138	161	206	242	316	363	372	107	75.4	116	101
MAX	179	237	287	519	869	1232	1312	1300	543	232	522	475
(WY)	1999	1999	1994	1993	1993	1995	1952	1993	1995	1998	1955	1998
MIN	22.8	65.2	64.5	108	88.1	69.3	38.3	6.86	.000	10.1	4.30	.000
(WY)	1951	1992	1957	2000	1951	1956	1953	1953	1951	1952	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	45177		39951			
ANNUAL MEAN	124		109		191	
HIGHEST ANNUAL MEAN					472	1993
LOWEST ANNUAL MEAN					73.7	1956
HIGHEST DAILY MEAN	916	Aug 31	635	Aug 30	5490	Aug 25 1955
LOWEST DAILY MEAN	25	Jul 5	14	Jul 28	.00	Apr 17 1951
ANNUAL SEVEN-DAY MINIMUM	32	Jul 1	18	Jul 25	.00	May 29 1951
ANNUAL RUNOFF (AC-FT)	89610		79240		138700	
10 PERCENT EXCEEDS	222		239		375	
50 PERCENT EXCEEDS	96		92		106	
90 PERCENT EXCEEDS	56		23		6.0	

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.-- Records fair except for daily discharges less than 2.0 ft^3/s, which are poor. Some regulation of low flow by Schroeder Reservoir (capacity about 200 acre-ft) 3 miles upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft^3/s, Feb 24, 1998, gage height, 10.16 ft, from floodmarks, from rating curve extended above 70 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 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 23	2300	179	5.99	Aug 30	1705	*997	*8.68
Aug 27	1745	172	5.98				

Minimum daily discharge, 0.09 ft^3/s, Aug 7, 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

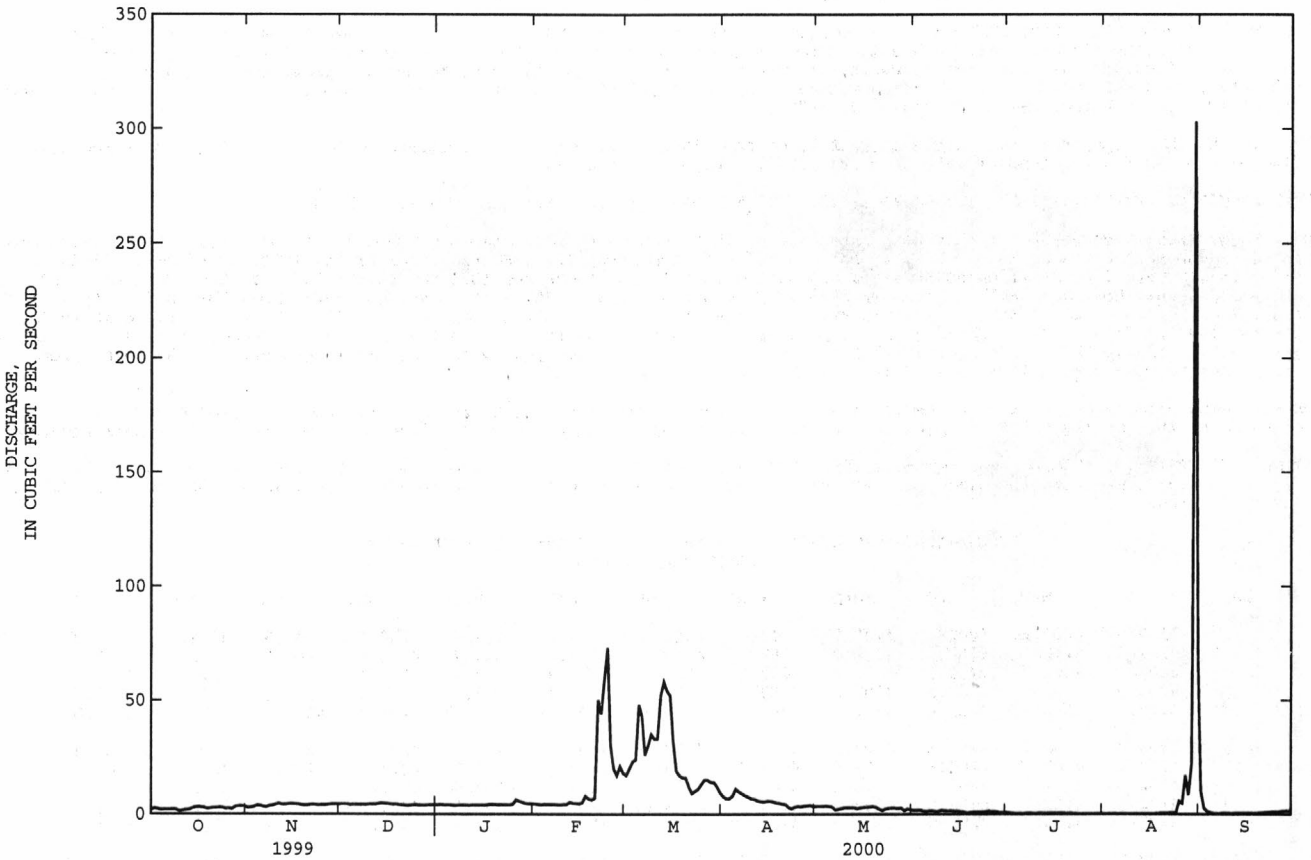
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	2.8	4.4	4.0	4.4	17	7.7	3.4	1.6	.62	.11	10
2	2.5	2.9	4.4	4.2	4.2	20	6.7	3.4	1.6	.41	.11	2.6
3	2.3	3.2	4.4	4.0	4.1	23	6.8	3.4	1.8	.31	.13	1.2
4	1.9	3.8	4.1	4.0	4.2	24	8.0	3.5	1.3	.30	.14	.71
5	2.0	3.7	4.2	4.0	4.2	48	11	3.4	1.1	.25	.15	.27
6	2.0	3.2	4.2	3.8	4.2	43	9.8	3.2	1.4	.30	.12	.28
7	2.0	3.1	4.2	3.8	4.2	26	9.0	1.8	1.4	.33	.09	.32
8	2.1	3.6	4.2	3.9	4.1	30	8.1	2.1	1.1	.35	.09	.37
9	2.0	3.8	4.2	3.9	4.0	35	7.5	2.4	1.2	.33	.12	.38
10	1.2	4.2	4.3	3.9	4.2	33	6.7	2.8	1.6	.29	.15	.35
11	1.5	4.6	4.3	3.8	4.2	33	6.5	2.8	1.4	.36	.18	.29
12	1.8	4.2	4.3	3.9	5.2	52	5.8	2.8	1.3	.35	.18	.37
13	1.9	4.2	4.6	3.9	4.7	58	5.5	2.8	1.4	.32	.16	.38
14	2.4	4.4	4.8	3.9	4.7	54	5.3	2.4	1.2	.34	.15	.39
15	2.9	4.5	4.7	3.9	4.5	52	5.6	2.7	1.3	.37	.16	.43
16	3.1	4.4	4.6	3.9	5.0	32	5.6	2.9	.99	.42	.18	.39
17	3.0	4.4	4.4	4.1	7.8	19	5.4	3.0	.91	.39	.17	.38
18	2.8	4.1	4.3	4.2	6.7	17	4.9	3.1	.46	.45	.26	.37
19	2.3	3.9	4.3	4.2	6.2	16	4.7	3.3	.61	.35	.37	.41
20	2.5	3.9	4.1	4.1	7.0	16	4.4	3.0	.77	.30	.41	.53
21	2.7	4.1	4.0	4.1	50	12	4.2	2.2	.80	.35	.41	.60
22	2.7	4.2	3.8	4.1	44	9.1	2.8	1.5	.84	.31	.48	.71
23	2.9	4.1	3.8	4.0	59	10	2.3	2.2	.86	.19	.58	.87
24	2.8	4.0	4.0	4.0	73	11	3.0	2.5	.96	.12	.51	.91
25	2.3	4.1	4.1	4.3	30	13	3.3	2.7	1.3	.10	5.6	.94
26	2.5	4.0	3.9	6.2	20	15	3.2	2.6	.98	.10	4.7	.89
27	2.2	4.2	3.9	5.6	17	15	3.5	2.5	1.1	.13	17	1.2
28	3.2	4.4	3.9	5.1	21	14	3.6	2.6	.83	.14	8.4	1.3
29	3.5	4.3	4.0	4.6	18	14	3.8	1.5	.53	.15	22	1.4
30	3.5	4.3	4.1	4.5	---	12	3.3	2.2	.70	.15	303	1.3
31	3.4	---	4.1	4.5	---	9.4	---	1.9	---	.12	68	---
TOTAL	75.7	118.6	130.6	130.4	429.8	782.5	168.0	82.6	33.34	9.00	434.11	30.54
MEAN	2.44	3.95	4.21	4.21	14.8	25.2	5.60	2.66	1.11	.29	14.0	1.02
MAX	3.5	4.6	4.8	6.2	73	58	11	3.5	1.8	.62	303	10
MIN	1.2	2.8	3.8	3.8	4.0	9.1	2.3	1.5	.46	.10	.09	.27
AC-FT	150	235	259	259	853	1550	333	164	66	18	861	61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

MEAN	2.44	3.53	4.60	13.2	33.8	44.6	21.0	6.06	2.79	1.12	2.68	1.97
MAX	3.58	4.82	9.59	55.2	115	128	97.6	14.6	5.44	2.86	14.0	5.82
(WY)	1999	1999	1995	1993	1993	1993	1998	1998	1995	1998	2000	1997
MIN	1.56	2.60	2.43	3.61	4.55	3.45	3.48	2.18	.65	.15	.20	.64
(WY)	1997	1997	1992	1994	1996	1999	1996	1996	1996	1997	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	1218.95		2425.19			
ANNUAL MEAN	3.34		6.63		11.4	
HIGHEST ANNUAL MEAN					29.0	1993
LOWEST ANNUAL MEAN					2.48	1996
HIGHEST DAILY MEAN	37	Aug 30	303	Aug 30	1140	Feb 24 1998
LOWEST DAILY MEAN	.43	Jul 6	.09	Aug 7	.00	Aug 8 1994
ANNUAL SEVEN-DAY MINIMUM	.67	Aug 15	.12	Aug 2	.05	Aug 7 1994
ANNUAL RUNOFF (AC-FT)	2420		4810		8240	
10 PERCENT EXCEEDS	4.6		14		17	
50 PERCENT EXCEEDS	3.4		3.4		3.5	
90 PERCENT EXCEEDS	1.3		.31		.63	

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT--Continued



GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION.--Lat 40°43'53", long 112°12'46", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ 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 August 9, 1989 because of highway construction. Gage relocated to boat harbor marina on August 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. Datums since September 15, 1970, from levels run to USGS/National Geodetic Survey Benchmarks C-174 (1970) and E-174 (1970).

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, Jun 3, 1986, Apr 1, 15, 1987; minimum, 4,191.35 ft, Oct 15, Nov 1, 1963. Maximum elevation prior to Jun 3, 1986, 4,211.6 ft in 1873, computed from traditional data by G. K. Gilbert and E. C. LaRue.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4202.9	4202.8	4202.8	4202.9	4203.2	4203.6	4203.8	4203.7	4203.5	4202.8	4202.3	4201.8
2	4202.9	4202.7	4202.8	4202.9	4203.2	4203.6	4203.7	4203.7	4203.4	4202.8	4202.3	4201.7
3	4202.9	4202.7	4202.9	4202.9	4203.2	4203.6	4203.8	4203.7	4203.4	4202.7	4202.2	4201.8
4	4202.9	4202.7	4202.8	4202.8	4203.2	4203.6	4203.7	4203.7	4203.4	4202.8	4202.2	4201.7
5	4202.9	4202.7	4202.8	4202.9	4203.2	4203.5	4203.7	4203.8	4203.4	4202.7	4202.2	4201.8
6	4203.0	4202.7	4202.8	4202.9	4203.2	4203.6	4203.7	4203.7	4203.4	4202.7	4202.2	4201.8
7	4202.9	4202.7	4202.8	4202.9	4203.2	4203.6	4203.8	4203.7	4203.3	4202.7	4202.2	4201.7
8	4202.8	4202.7	4202.9	4202.9	4203.2	4203.6	4203.7	4203.6	4203.1	4202.6	4202.1	4201.7
9	4202.8	4202.7	4202.8	4202.9	4203.2	4203.6	4203.8	4203.6	4203.3	4202.6	4202.1	4201.7
10	4202.8	4202.7	4202.9	4202.9	4203.2	4203.6	4203.8	4203.7	4203.2	4202.6	4202.1	4201.7
11	4202.8	4202.7	4202.8	4202.9	4203.2	4203.6	4203.7	4203.7	4203.3	4202.6	4202.1	4201.7
12	4202.8	4202.7	4202.8	4202.9	4203.2	4203.6	4203.7	4203.6	4203.3	4202.6	4202.1	4201.7
13	4202.8	4202.7	4203.0	4202.9	4203.2	4203.6	4203.7	4203.6	4203.2	4202.6	4202.0	4201.7
14	4202.8	4202.7	4202.8	4202.9	4203.2	4203.6	4203.8	4203.6	4203.2	4202.6	4202.0	4201.7
15	4202.9	4202.7	4202.8	4202.9	4203.3	4203.8	4203.8	4203.5	4203.3	4202.6	4201.9	4201.6
16	4202.9	4202.7	4202.8	4202.9	4203.3	4203.7	4203.7	4203.4	4203.3	4202.5	4201.9	4201.6
17	4202.8	4202.9	4202.8	4203.0	4203.4	4203.8	4203.7	4203.5	4203.1	4202.6	4201.9	4201.7
18	4202.8	4202.8	4202.9	4203.0	4203.4	4203.7	4203.6	4203.5	4203.0	4202.6	4201.8	4201.6
19	4202.8	4202.7	4202.8	4203.0	4203.4	4203.8	4203.7	4203.5	4203.1	4202.5	4201.8	4201.7
20	4202.8	4202.7	4202.8	4203.0	4203.4	4204.0	4203.7	4203.5	4203.1	4202.5	4201.9	4201.7
21	4202.8	4202.8	4202.9	4203.0	4203.4	4203.8	4203.7	4203.5	4203.0	4202.5	4201.9	4201.6
22	4202.8	4202.8	4202.8	4203.0	4203.4	4203.7	4203.7	4203.5	4203.0	4202.4	4201.8	4201.6
23	4202.8	4202.7	4202.8	4203.0	4203.4	4203.7	4203.8	4203.5	4203.0	4202.4	4201.8	4201.7
24	4202.8	4202.7	4202.8	4203.1	4203.6	4203.7	4203.8	4203.5	4203.0	4202.4	4201.8	4201.6
25	4202.8	4202.7	4202.9	4203.1	4203.5	4203.7	4203.7	4203.5	4202.9	4202.4	4201.8	4201.6
26	4202.8	4202.7	4202.9	4203.2	4203.5	4203.7	4203.7	4203.5	4202.9	4202.3	4201.7	4201.6
27	4202.8	4202.8	4202.9	4203.2	4203.5	4203.7	4203.7	4203.5	4202.9	4202.4	4201.7	4201.5
28	4202.8	4202.8	4202.9	4203.2	4203.5	4203.8	4203.8	4203.5	4202.9	4202.3	4201.7	4201.5
29	4202.8	4202.8	4202.9	4203.1	4203.5	4203.8	4203.8	4203.5	4202.9	4202.3	4201.7	4201.5
30	4202.7	4202.7	4202.9	4203.1	---	4203.9	4203.7	4203.5	4202.8	4202.3	4201.7	4201.5
31	4202.7	---	4202.9	4203.2	---	4203.9	---	4203.6	---	4202.3	4201.8	---
MEAN	4202.8	4202.7	4202.8	4203.0	4203.3	4203.7	4203.7	4203.6	4203.2	4202.5	4202.0	4201.7
MAX	4203.0	4202.9	4203.0	4203.2	4203.6	4204.0	4203.8	4203.8	4203.5	4202.8	4202.3	4201.8
MIN	4202.7	4202.7	4202.8	4202.8	4203.2	4203.5	4203.6	4203.4	4202.8	4202.3	4201.7	4201.5

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'19", long 112°29'46", in NE$^1/_4$NE$^1/_4$NW$^1/_4$ 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 4,186.70 ft above sea level. April 1966 to August 1, 1996 at datum 4,189.80 ft. above sea level. Both datums from levels run to USGS Benchmarks 72-77 FMK 1966.

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
Nov 23, 1999.....	9.0	1.200	26.5
Apr 4, 2000.....	11.5	1.191	25.5
May 24.....	23.5	1.191	25.5
Aug 29.....	26.0	1.201	26.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.9	4201.7	4201.7	4201.7	4202.0	4202.4	4202.5	4202.5	4202.3	4201.8	4201.3	4200.8
2	4201.8	4201.6	4201.7	4201.7	4202.0	4202.4	4202.4	4202.5	4202.3	4201.8	4201.3	4200.9
3	4201.8	4201.6	4201.8	4201.8	4202.0	4202.4	4202.4	4202.5	4202.3	4201.8	4201.3	4200.9
4	4201.8	4201.6	4201.6	4201.7	4202.0	4202.4	4202.4	4202.5	4202.3	4201.8	4201.3	4200.8
5	4201.8	4201.6	4201.6	4201.8	4202.0	4202.3	4202.5	4202.7	4202.3	4201.7	4201.3	4201.0
6	4201.9	4201.6	4201.6	4201.7	4202.0	4202.4	4202.5	4202.5	4202.2	4201.8	4201.2	4200.8
7	4201.9	4201.6	4201.7	4201.7	4202.0	4202.4	4202.5	4202.6	4202.2	4201.7	4201.2	4200.8
8	4201.8	4201.6	4201.7	4201.7	4202.0	4202.3	4202.5	4202.5	4202.2	4201.6	4201.1	4200.7
9	4201.8	4201.6	4201.6	4201.8	4202.0	4202.5	4202.5	4202.5	4202.3	4201.6	4201.2	4200.8
10	4201.8	4201.6	4201.7	4201.7	4202.0	4202.4	4202.6	4202.5	4202.1	4201.6	4201.1	4200.7
11	4201.8	4201.6	4201.6	4201.8	4202.0	4202.4	4202.5	4202.6	4202.2	4201.6	4201.2	4200.7
12	4201.8	4201.6	4201.6	4201.8	4202.2	4202.4	4202.5	4202.4	4202.2	4201.6	4201.1	4200.7
13	4201.8	4201.6	4201.8	4201.8	4202.1	4202.4	4202.5	4202.4	4202.2	4201.6	4201.1	4200.7
14	4201.8	4201.6	4201.7	4201.8	4202.2	4202.4	4202.6	4202.4	4202.1	4201.6	4201.1	4200.7
15	4201.9	4201.6	4201.6	4201.8	4202.2	4202.6	4202.5	4202.4	4202.3	4201.6	4201.0	4200.7
16	4201.9	4201.6	4201.6	4201.8	4202.1	4202.5	4202.5	4202.3	4202.2	4201.6	4201.0	4200.6
17	4201.7	4201.8	4201.6	4201.8	4202.3	4202.6	4202.5	4202.4	4202.0	4201.7	4201.0	4200.7
18	4201.7	4201.8	4201.7	4201.8	4202.2	4202.5	4202.5	4202.4	4201.9	4201.5	4200.8	4200.6
19	4201.7	4201.6	4201.7	4201.9	4202.1	4202.5	4202.5	4202.4	4202.1	4201.5	4201.0	4200.7
20	4201.7	4201.6	4201.7	4201.9	4202.2	4202.7	4202.5	4202.4	4202.0	4201.5	4201.0	4200.7
21	4201.7	4201.7	4201.7	4201.9	4202.1	4202.5	4202.5	4202.4	4201.9	4201.5	4201.0	4200.6
22	4201.7	4201.7	4201.7	4201.9	4202.2	4202.4	4202.6	4202.4	4201.9	4201.5	4200.9	4200.7
23	4201.7	4201.6	4201.7	4201.9	4202.1	4202.4	4202.6	4202.4	4201.9	4201.5	4200.8	4200.7
24	4201.7	4201.6	4201.7	4201.9	4202.4	4202.4	4202.5	4202.4	4201.9	4201.5	4200.8	4200.5
25	4201.7	4201.6	4201.7	4201.9	4202.4	4202.4	4202.5	4202.4	4201.9	4201.4	4200.9	4200.5
26	4201.7	4201.6	4201.7	4202.0	4202.3	4202.4	4202.6	4202.4	4201.9	4201.4	4200.8	4200.5
27	4201.7	4201.6	4201.7	4202.1	4202.3	4202.5	4202.5	4202.3	4201.9	4201.4	4200.8	4200.5
28	4201.8	4201.6	4201.7	4202.0	4202.3	4202.6	4202.7	4202.4	4201.9	4201.4	4200.8	4200.5
29	4201.7	4201.6	4201.7	4202.0	4202.4	4202.5	4202.6	4202.4	4201.9	4201.4	4200.8	4200.5
30	4201.6	4201.6	4201.7	4201.9	---	4202.7	4202.5	4202.4	4201.8	4201.4	4200.9	4200.5
31	4201.6	---	4201.7	4202.0	---	4202.6	---	4202.5	---	4201.3	4200.9	---
MEAN	4201.8	4201.6	4201.7	4201.8	4202.1	4202.5	4202.5	4202.4	4202.1	4201.6	4201.0	4200.7
MAX	4201.9	4201.8	4201.8	4202.1	4202.4	4202.7	4202.7	4202.7	4202.3	4201.8	4201.3	4201.0
MIN	4201.6	4201.6	4201.6	4201.7	4202.0	4202.3	4202.4	4202.3	4201.8	4201.3	4200.8	4200.5

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 October 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, Jun 6, 1986, gage height, 4.05 ft, datum then in use; minimum, 6.8 ft^3/s, Apr 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 26	0100	*1,490	*6.24	No other peak greater than base discharge.			

Minimum daily discharge, 38 ft^3/s, Feb 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	54	e51	e50	e45	42	53	319	775	117	70	85
2	95	54	e51	e50	e47	43	52	413	664	116	70	123
3	90	50	e56	e52	e44	43	52	520	610	154	69	86
4	89	52	e58	e50	e42	47	62	659	573	150	73	75
5	87	53	e60	e48	e43	49	78	792	541	144	69	70
6	79	52	e52	e48	e42	47	83	700	502	144	65	67
7	87	54	e47	e50	e41	45	85	638	461	154	56	64
8	83	53	e47	e47	e42	44	89	501	431	152	55	63
9	81	51	e50	e48	e41	43	106	397	393	168	56	71
10	79	48	e48	e48	e40	44	105	400	330	190	55	63
11	77	52	e47	e48	e42	40	104	401	290	195	53	59
12	76	49	e42	e48	e44	49	119	344	273	186	50	57
13	58	47	e41	e47	e44	43	138	303	274	184	48	55
14	55	48	e50	e46	e46	46	157	288	259	179	47	53
15	54	48	e54	e48	e49	47	123	305	248	175	49	51
16	52	50	e46	e47	e52	45	110	359	242	159	56	50
17	49	54	e51	e46	e46	47	114	356	219	134	50	49
18	57	50	e49	e47	e45	44	126	336	213	121	51	50
19	53	47	e47	e50	e48	45	110	370	264	124	63	50
20	52	56	e45	e48	e45	42	106	410	218	120	54	50
21	54	49	e49	e48	e38	45	131	518	185	115	47	54
22	52	48	e50	e46	e43	55	148	667	171	109	46	87
23	53	e56	e52	e50	e43	51	147	847	163	106	49	99
24	54	e64	e52	e50	43	50	140	1010	155	102	50	82
25	52	e60	e50	e48	42	49	138	1040	151	99	47	82
26	52	e58	e46	e47	48	53	184	1240	155	97	55	80
27	54	e57	e47	e45	39	56	252	833	159	92	99	68
28	56	e54	e48	e47	38	58	334	905	127	87	70	64
29	57	e54	e49	e48	40	53	340	1120	116	75	62	60
30	50	e54	e50	e48	---	54	284	1100	116	73	62	58
31	60	---	e52	e46	---	51	---	945	---	71	74	---
TOTAL	2049	1576	1537	1489	1262	1470	4070	19036	9278	4092	1820	2025
MEAN	66.1	52.5	49.6	48.0	43.5	47.4	136	614	309	132	58.7	67.5
MAX	102	64	60	52	52	58	340	1240	775	195	99	123
MIN	49	47	41	45	38	40	52	288	116	71	46	49
AC-FT	4060	3130	3050	2950	2500	2920	8070	37760	18400	8120	3610	4020

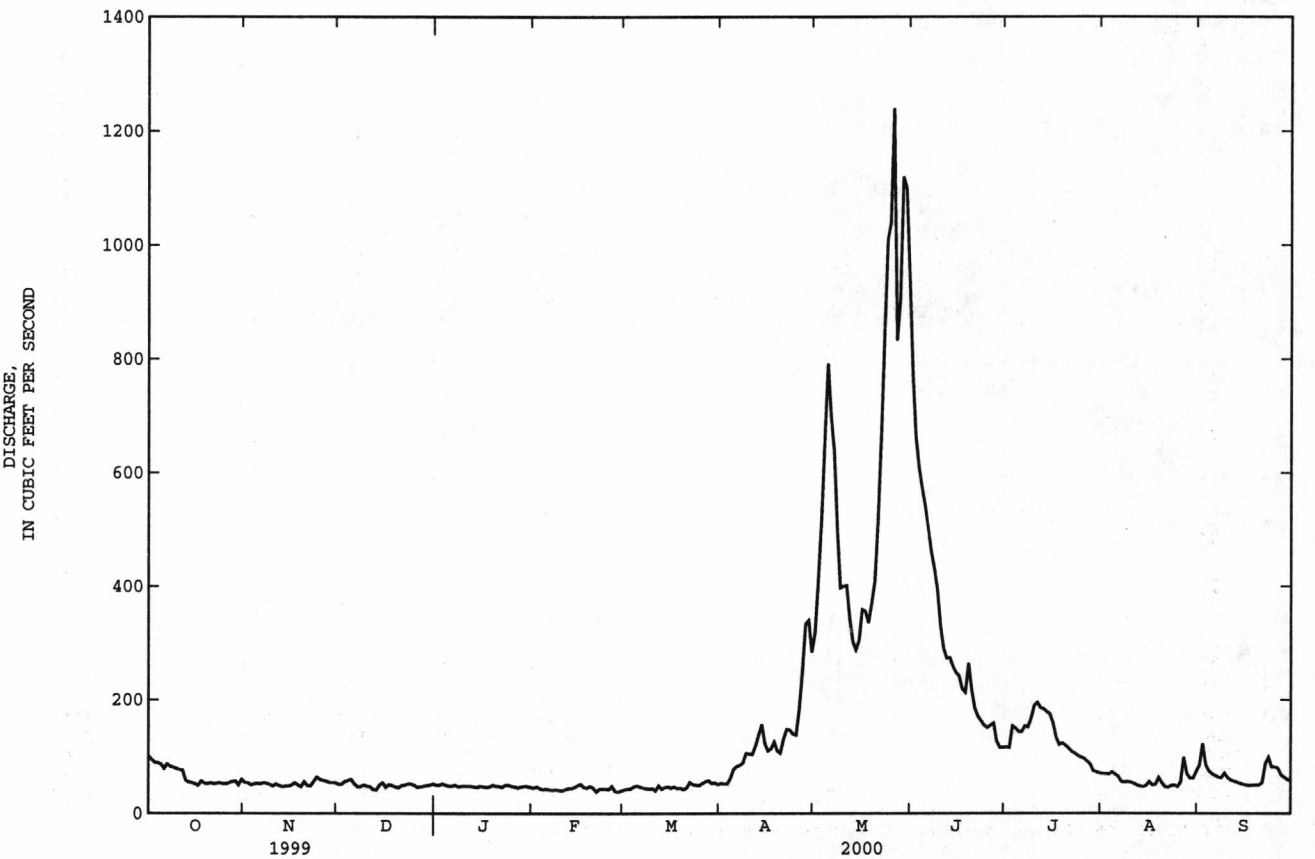
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	63.7	54.9	46.9	42.3	40.3	44.0	111	599	871	307	95.9	74.7
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

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	84017		49704			
ANNUAL MEAN	230		136		196	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	1760	Jun 17	1240	May 26	2680	Jun 4 1986
LOWEST DAILY MEAN	21	Feb 3	38	Feb 21	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	31	Feb 13	42	Feb 4	21	Dec 28 1959
ANNUAL RUNOFF (AC-FT)	166600		98590		142100	
10 PERCENT EXCEEDS	828		337		613	
50 PERCENT EXCEEDS	66		56		59	
90 PERCENT EXCEEDS	49		45		34	

e Estimated



10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE$^1/_4$ NW$^1/_4$ NW$^1/_4$ 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.--Records good. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	146	364	709	64	17	41
2	---	---	---	---	---	---	168	440	581	59	19	59
3	---	---	---	---	---	---	159	556	489	45	22	61
4	---	---	---	---	---	---	222	682	433	43	25	34
5	---	---	---	---	---	---	362	828	386	35	27	28
6	---	---	---	---	---	---	274	802	330	37	27	24
7	---	---	---	---	---	---	198	737	283	35	24	24
8	---	---	---	---	---	---	169	634	239	41	25	25
9	---	---	---	---	---	---	183	475	224	37	26	25
10	---	---	---	---	---	---	190	439	178	29	26	28
11	---	---	---	---	---	---	176	498	133	39	25	23
12	---	---	---	---	---	---	179	492	114	47	21	18
13	---	---	---	---	---	---	194	444	101	48	20	16
14	---	---	---	---	---	---	246	414	103	46	19	13
15	---	---	---	---	---	---	266	344	105	42	16	17
16	---	---	---	---	---	---	222	332	97	45	19	17
17	---	---	---	---	---	---	179	347	96	39	17	17
18	---	---	---	---	---	---	181	324	93	34	19	19
19	---	---	---	---	---	---	175	326	108	19	26	22
20	---	---	---	---	---	---	154	332	109	18	25	26
21	---	---	---	---	---	---	169	424	94	19	23	23
22	---	---	---	---	---	---	184	580	82	24	20	46
23	---	---	---	---	---	---	207	727	77	21	15	80
24	---	---	---	---	---	---	209	919	76	19	17	67
25	---	---	---	---	---	---	186	900	74	14	17	62
26	---	---	---	---	---	---	206	1280	66	16	21	56
27	---	---	---	---	---	---	275	966	75	18	23	47
28	---	---	---	---	---	---	381	798	79	15	40	35
29	---	---	---	---	---	---	475	981	70	13	23	32
30	---	---	---	---	---	---	351	981	66	14	24	32
31	---	---	---	---	---	---	---	839	---	15	35	---
TOTAL	---	---	---	---	---	---	6686	19205	5670	990	703	1017
MEAN	---	---	---	---	---	---	223	620	189	31.9	22.7	33.9
MAX	---	---	---	---	---	---	475	1280	709	64	40	80
MIN	---	---	---	---	---	---	146	324	66	13	15	13
AC-FT	---	---	---	---	---	---	13260	38090	11250	1960	1390	2020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2000, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	322	842	845	221	71.5	60.7
MAX	---	---	---	---	---	---	602	2469	1890	980	181	225
(WY)	---	---	---	---	---	---	1985	1984	1986	1995	1984	1984
MIN	---	---	---	---	---	---	133	330	121	31.9	16.4	11.8
(WY)	---	---	---	---	---	---	1995	1990	1992	2000	1988	1988

SUMMARY STATISTICS	FOR 2000 WATER YEAR*		WATER YEARS 1984 - 2000*	
HIGHEST DAILY MEAN	1280	May 26	3160	May 16 1984
LOWEST DAILY MEAN	13	Jul 29, Sep 14	3.8	Sep 30 1992
INSTANTANEOUS PEAK FLOW	1440	May 26	3680	May 16 1984
INSTANTANEOUS PEAK STAGE	4.62	May 26	7.35	May 16 1984
ANNUAL RUNOFF (AC-FT)	--		284100	

* During period of operation.

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ 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, Jun 2, 1983, gage height, 6.17 ft; minimum, no flow several days during Aug and Sep 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,490 ft^3/s, May 26, gage height, 4.26 ft; minimum daily discharge, 0.04 ft^3/s, Aug 21, 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	68	98	e88	e90	e150	164	230	656	12	.58	24
2	76	68	93	e88	e90	e150	164	256	520	10	.41	33
3	65	65	e88	e86	e90	e140	172	336	390	9.6	.41	28
4	61	64	e82	e84	e90	e130	189	421	326	8.6	.64	26
5	62	61	e80	e84	e94	e120	318	524	300	7.9	.46	11
6	61	60	e82	e84	e98	e130	306	619	252	6.9	.34	4.7
7	60	60	e86	e84	e98	142	234	576	207	6.1	.28	4.2
8	70	60	e90	e86	e98	143	189	561	172	5.2	.27	5.5
9	67	62	e86	e92	e96	147	171	407	156	5.1	.32	6.0
10	64	62	e82	e94	e90	117	192	312	143	4.6	.30	6.4
11	64	59	e88	e90	e90	107	178	342	107	4.3	.17	4.7
12	61	60	e86	e88	e90	122	166	398	78	4.1	.26	6.1
13	59	60	e80	e84	e92	118	166	399	58	3.9	.16	5.6
14	66	54	e86	e84	e96	118	179	342	33	4.4	.10	4.9
15	65	52	e94	e84	e94	124	226	290	32	5.0	.07	4.3
16	61	55	e90	e92	e90	108	202	260	31	5.1	.14	3.8
17	64	59	e84	e98	e82	112	152	252	32	4.7	.11	2.8
18	63	62	e86	e100	e88	100	131	262	30	4.7	.07	3.1
19	68	59	e86	e100	e94	104	136	253	28	4.4	.09	4.3
20	65	54	e88	e103	e104	104	120	244	29	4.2	.06	4.4
21	62	e54	e82	e101	e110	95	105	251	30	3.5	.04	4.7
22	63	e54	e78	e100	e104	78	121	315	28	2.7	.04	7.2
23	61	57	e78	e98	e100	111	135	414	24	2.2	.05	36
24	60	57	e80	e98	e94	125	142	580	20	1.6	.07	63
25	59	59	e80	e94	e96	126	137	760	17	1.2	.10	61
26	59	67	e80	e90	e110	148	118	1040	15	1.1	.36	46
27	60	e66	e80	e84	e120	192	158	1210	15	.86	.38	33
28	62	e64	e80	e84	e130	263	229	750	12	.75	.38	22
29	70	84	e86	e84	e140	245	295	756	12	.68	1.0	12
30	74	91	e88	e84	---	241	286	982	12	.72	4.3	9.6
31	69	---	e80	e86	---	196	---	785	---	.67	9.1	---
TOTAL	1994	1857	2627	2796	2858	4306	5481	15127	3765	136.78	21.06	487.3
MEAN	64.3	61.9	84.7	90.2	98.6	139	183	488	126	4.41	.68	16.2
MAX	76	91	98	103	140	263	318	1210	656	12	9.1	63
MIN	59	52	78	84	82	78	105	230	12	.67	.04	2.8
AC-FT	3960	3680	5210	5550	5670	8540	10870	30000	7470	271	42	967

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	75.8	74.6	73.6	69.8	85.5	168	345	818	878	206	51.7	50.8
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	4.41	.68	.49
(WY)	1965	1989	1989	1989	1993	1977	1977	1977	1992	2000	2000	1988

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	103510.1		41456.14			
ANNUAL MEAN	284		113		241	
HIGHEST ANNUAL MEAN					583	1986
LOWEST ANNUAL MEAN					45.1	1977
HIGHEST DAILY MEAN	2070	May 30	1210	May 27	3900	Jun 2 1983
LOWEST DAILY MEAN	1.2	Jul 28	.04	Aug 21	.00	Aug 23 1988
ANNUAL SEVEN-DAY MINIMUM	8.2	Jul 23	.06	Aug 18	.00	Aug 30 1988
ANNUAL RUNOFF (AC-FT)	205300		82230		174900	
10 PERCENT EXCEEDS	922		254		713	
50 PERCENT EXCEEDS	88		82		86	
90 PERCENT EXCEEDS	43		1.5		10	

e Estimated

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in $NE^1/_4NE^1/_4NW^1/_4$ 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 September 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, Jun 2, 1983, gage height, 8.26 ft; no flow Jul 4, 5, 1962, Aug 30, 31, Sep 1, 2, 6, 7, 1979, Oct 30, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,330 ft^3/s, May 18; minimum daily discharge, 12 ft^3/s, Sep 14-16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	38	39	21	24	25	213	235	950	538	54	17
2	39	38	39	21	24	25	198	239	948	522	54	17
3	38	38	39	22	24	25	193	259	945	506	53	17
4	37	38	39	21	24	26	192	310	938	411	53	17
5	37	38	39	21	24	26	218	389	929	66	52	17
6	37	38	39	22	24	26	263	490	900	64	52	17
7	37	38	39	21	25	26	267	556	869	63	52	17
8	37	38	39	22	25	26	245	557	861	62	52	17
9	37	38	39	22	25	26	222	509	776	62	40	17
10	37	38	39	22	25	26	211	409	700	63	19	17
11	37	38	39	22	25	26	206	407	695	63	18	17
12	37	38	39	22	25	26	198	411	689	62	18	17
13	37	38	39	22	25	26	196	409	683	62	18	17
14	37	38	39	22	25	26	201	388	677	62	17	12
15	37	38	39	22	25	26	217	350	706	61	17	12
16	38	38	39	22	25	26	224	308	717	52	17	12
17	38	38	39	22	25	26	209	1440	707	45	17	13
18	38	38	32	23	25	26	191	2330	699	45	17	18
19	38	38	21	23	26	26	169	1360	688	44	17	23
20	38	38	21	23	26	26	160	723	681	51	17	22
21	38	38	21	23	26	26	145	716	663	57	17	21
22	38	38	21	23	26	27	136	711	646	56	17	21
23	38	38	21	23	26	34	135	711	634	55	17	139
24	38	38	21	23	26	51	139	706	623	55	17	225
25	38	38	21	23	26	78	142	861	610	55	17	219
26	38	38	21	24	26	100	134	959	598	55	17	221
27	38	38	21	24	25	124	136	959	587	55	17	222
28	38	38	21	24	25	161	159	959	576	54	17	213
29	38	38	21	24	25	199	177	959	565	55	17	202
30	38	39	21	24	---	223	227	954	552	54	17	197
31	38	---	21	24	---	229	---	950	---	55	17	---
TOTAL	1169	1141	968	697	727	1769	5723	21524	21812	3510	841	2013
MEAN	37.7	38.0	31.2	22.5	25.1	57.1	191	694	727	113	27.1	67.1
MAX	40	39	39	24	26	229	267	2330	950	538	54	225
MIN	37	38	21	21	24	25	134	235	552	44	17	12
AC-FT	2320	2260	1920	1380	1440	3510	11350	42690	43260	6960	1670	3990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2000, BY WATER YEAR (WY)

MEAN	60.8	56.3	48.7	46.2	49.2	101	292	799	1010	301	81.9	63.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1962 - 2000	
ANNUAL TOTAL	112669		61894			
ANNUAL MEAN	309		169		243	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	2340	May 31	2330	May 18	3630	Jun 3 1983
LOWEST DAILY MEAN	21	Dec 19	12	Sep 14	.00	Jul 4 1962
ANNUAL SEVEN-DAY MINIMUM	21	Dec 19	14	Sep 11	.07	Nov 26 1980
ANNUAL RUNOFF (AC-FT)	223500		122800		175800	
10 PERCENT EXCEEDS	941		651		810	
50 PERCENT EXCEEDS	107		38		44	
90 PERCENT EXCEEDS	38		18		9.6	

10023000 BIG CREEK NEAR RANDOLPH, UT

LOCATION.--Lat 41°36'36", long 111°15'12", in NW¼NW¼NE¼ sec. 15, T. 10 W., R. 6 E., Rich County, Hydrologic Unit 16010101, on left bank 2.7 mi downstream from main forks and 5.2 mi southwest of Randolph.

DRAINAGE AREA.--52.4 mi².

PERIOD OF RECORD.--March 1939 to September 1944 (fragmentary), October 1949 to September 1970. October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above 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 fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 ft³/s, Jul 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 ft³/s, Aug 4, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct 2	1200	*28	*5.05				

Minimum daily discharge, 8.4 ft³/s, Sep 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	26	e23	e21	e17	e16	e14	11	13	12	10	e10
2	27	25	e22	e20	e17	e16	e14	11	14	12	10	e9.8
3	27	25	e22	e20	e17	e17	e14	11	14	12	11	e9.3
4	27	25	e23	e20	e17	e17	e14	11	14	12	11	e9.2
5	27	25	e23	e20	e17	e17	e14	11	14	12	10	e9.1
6	27	25	e23	e20	e17	e17	e14	12	14	12	10	e9.3
7	27	25	e23	e20	e17	e16	e14	12	14	12	9.8	e9.3
8	27	25	e22	e20	e17	e16	e14	13	14	12	9.8	e9.3
9	27	25	e22	e19	e16	e16	e14	13	15	12	9.8	e9.2
10	27	25	e22	e19	e16	e15	e14	13	14	13	10	e9.0
11	27	25	e21	e19	e16	e14	e13	16	14	12	9.8	e8.9
12	27	25	e21	e19	e16	e15	12	17	14	12	9.8	e8.9
13	27	25	e21	e19	e16	e15	12	17	14	11	9.7	e8.7
14	27	24	e21	e19	e16	e14	14	16	14	11	9.8	e8.4
15	27	24	e22	e19	e16	e15	16	15	13	11	9.8	e8.4
16	27	24	e22	e19	e16	e15	16	14	13	12	9.5	e8.5
17	27	24	e22	e19	e16	e15	16	14	13	12	9.5	e8.6
18	27	24	e22	e19	e16	e15	15	14	13	11	9.6	e8.7
19	27	e24	e22	e19	e16	e15	14	14	14	11	9.5	e8.9
20	27	e23	e22	e19	e16	e15	13	14	13	11	9.3	e8.5
21	27	e24	e22	e19	e16	e14	12	14	13	11	9.4	e8.5
22	27	e24	e21	e19	e16	e14	12	14	13	11	9.5	e9.8
23	27	e23	e21	e18	e16	e14	12	14	13	11	9.6	e11
24	26	e24	e21	e18	e16	e15	12	14	13	11	9.6	e9.8
25	26	e24	e21	e18	e16	e15	12	14	12	11	9.6	e9.7
26	26	e24	e21	e18	e16	e15	12	14	12	11	9.6	e9.3
27	26	e24	e21	e18	e16	e15	11	14	12	10	9.6	e8.9
28	26	e23	e21	e18	e16	e15	11	13	12	10	9.2	e8.7
29	26	e23	e21	e18	e16	e15	11	13	12	10	9.3	e8.7
30	26	e23	e21	e18	---	e15	11	13	12	10	10	e8.7
31	26	---	e21	e17	---	e15	---	13	---	10	e13	---
TOTAL	829	729	673	588	472	473	397	419	399	351	306.1	273.1
MEAN	26.7	24.3	21.7	19.0	16.3	15.3	13.2	13.5	13.3	11.3	9.87	9.10
MAX	27	26	23	21	17	17	16	17	15	13	13	11
MIN	26	23	21	17	16	14	11	11	12	10	9.2	8.4
AC-FT	1640	1450	1330	1170	936	938	787	831	791	696	607	542

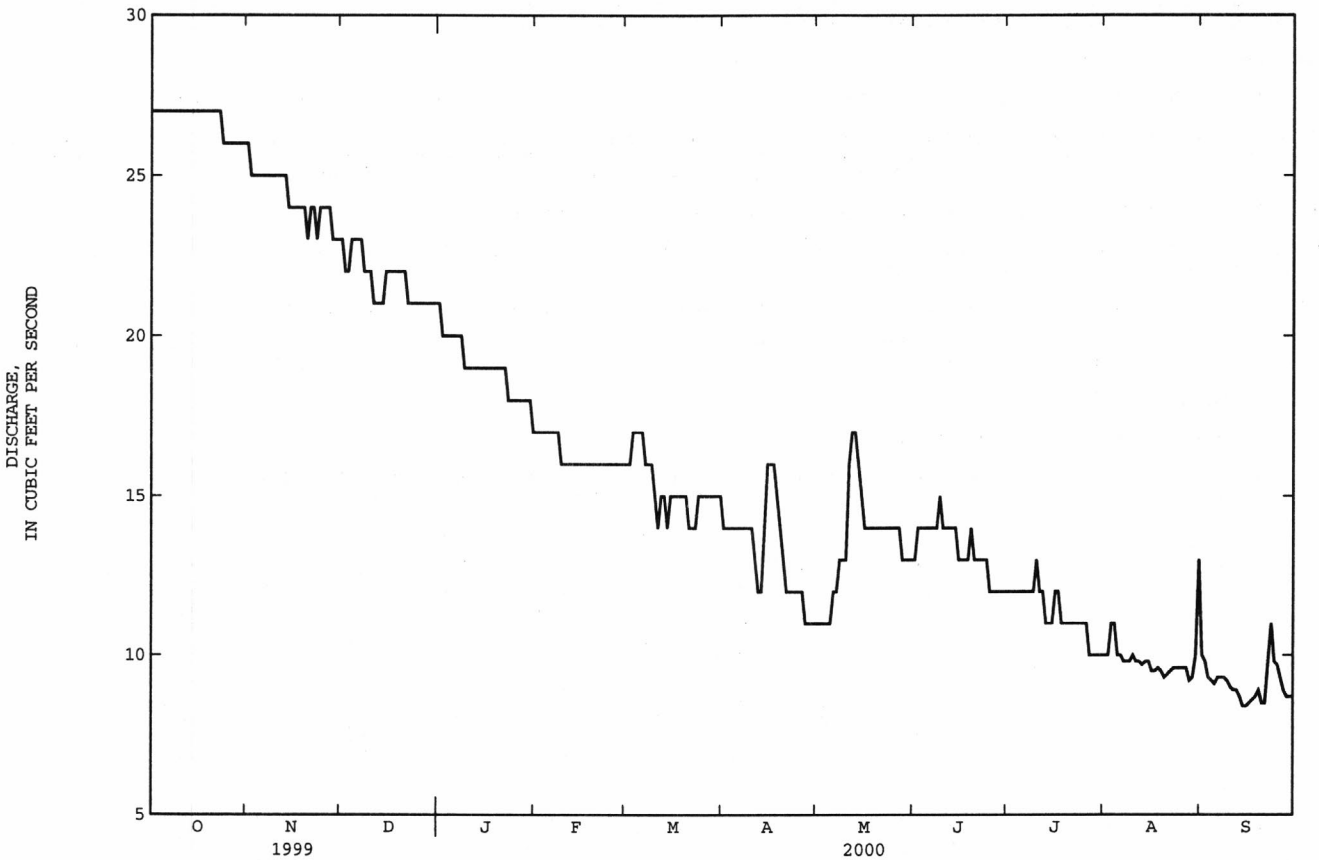
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1987-2000, BY WATER YEAR (WY)

MEAN	12.8	11.8	10.6	9.72	9.61	10.8	16.1	32.8	23.3	17.3	14.5	13.2
MAX	26.7	25.9	23.7	23.4	22.7	25.4	42.3	95.4	62.2	40.3	32.8	29.2
(WY)	2000	1987	1987	1987	1999	1999	1951	1952	1952	1950	1999	1999
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950-70, 1987-2000	
ANNUAL TOTAL	11566		5909.2			
ANNUAL MEAN	31.7		16.1		15.2	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	96	May 24	27	Oct 1	140	May 18 1950
LOWEST DAILY MEAN	16	Jan 27	8.4	Sep 14	1.0	Aug 5 1992
ANNUAL SEVEN-DAY MINIMUM	18	Jan 24	8.6	Sep 14	1.1	Aug 8 1992
ANNUAL RUNOFF (AC-FT)	22940		11720		11040	
10 PERCENT EXCEEDS	46		25		30	
50 PERCENT EXCEEDS	27		15		11	
90 PERCENT EXCEEDS	21		9.6		4.3	

e Estimated

10023000 BIG CREEK NEAR RANDOLPH, UT--Continued



10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in $SW^1/_4SE^1/_4SE^1/_4$ sec. 25, T. 23 N., R. 120 W.(Revised), 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. October 31, 1941 to November 30, 1943, at site 200 ft downstream at different datum.

REMARKS.--Records good. 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 recorded discharge, 333 ft^3/s, Jul 13, gage height, 3.78 ft; minimum recorded daily discharge, 8.5 ft^3/s, Sep 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	---	---	---	---	---	---	38	55	92	53	21
2	133	---	---	---	---	---	---	41	53	90	52	25
3	133	---	---	---	---	---	---	47	58	87	50	28
4	132	---	---	---	---	---	---	46	63	84	50	26
5	132	---	---	---	---	---	---	41	65	159	47	23
6	e126	---	---	---	---	---	---	41	66	221	43	21
7	---	---	---	---	---	---	---	47	46	152	39	20
8	---	---	---	---	---	---	---	55	31	141	40	20
9	---	---	---	---	---	---	---	85	45	141	39	20
10	---	---	---	---	---	---	---	105	80	151	39	21
11	---	---	---	---	---	---	e206	122	97	199	37	22
12	---	---	---	---	---	---	198	123	105	191	36	18
13	---	---	---	---	---	---	187	87	107	278	35	14
14	---	---	---	---	---	---	171	75	102	187	34	14
15	---	---	---	---	---	---	168	72	91	190	34	8.5
16	---	---	---	---	---	---	187	67	86	176	33	10
17	---	---	---	---	---	---	195	63	87	156	34	14
18	---	---	---	---	---	---	200	62	88	139	33	14
19	---	---	---	---	---	---	195	58	93	126	32	14
20	---	---	---	---	---	---	182	49	101	117	31	14
21	---	---	---	---	---	---	184	33	106	111	30	14
22	---	---	---	---	---	---	162	34	108	99	29	16
23	---	---	---	---	---	---	129	33	110	83	25	18
24	---	---	---	---	---	---	113	33	110	76	22	20
25	---	---	---	---	---	---	103	36	106	72	22	30
26	---	---	---	---	---	---	98	38	104	66	22	38
27	---	---	---	---	---	---	86	37	98	62	21	83
28	---	---	---	---	---	---	35	40	94	60	20	107
29	---	---	---	---	---	---	16	55	95	58	20	123
30	---	---	---	---	---	---	32	56	93	55	21	131
31	---	---	---	---	---	---	---	51	---	55	27	---
TOTAL	---	---	---	---	---	---	---	1770	2543	3874	1050	947.5
MEAN	---	---	---	---	---	---	---	57.1	84.8	125	33.9	31.6
MAX	---	---	---	---	---	---	---	123	110	278	53	131
MIN	---	---	---	---	---	---	---	33	31	55	20	8.5
AC-FT	---	---	---	---	---	---	---	3510	5040	7680	2080	1880

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 October 16, 1945, at site 1.2 mi downstream at different datum. October 16, 1945 to November 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, Jun 4, 1986, gage height, 5.66 ft; minimum, 21 ft^3/s, Mar 29, 1975, Jan 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 674 ft^3/s, May 25, gage height, 2.80 ft; minimum daily discharge, 59 ft^3/s, Feb 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	97	84	e65	e60	66	75	296	522	222	124	109
2	112	95	84	e66	e60	65	78	323	495	215	123	109
3	112	95	83	e65	e59	64	77	347	485	207	122	100
4	111	96	e78	e64	e60	66	83	395	479	202	124	97
5	110	95	e74	e65	e62	67	93	408	472	197	122	95
6	110	94	e70	e65	e63	69	97	400	459	191	119	94
7	110	94	e73	e66	e64	68	91	409	451	186	116	94
8	108	94	e77	e67	e65	67	92	376	447	184	114	93
9	108	94	e75	e68	e66	69	100	347	436	181	113	92
10	107	92	e77	e69	e70	67	104	330	417	185	113	92
11	106	93	e73	e70	e69	65	111	311	398	182	111	91
12	105	92	e69	e71	e70	70	124	286	390	172	108	90
13	104	91	e73	e73	e70	66	149	277	387	167	106	90
14	104	90	e80	e74	e72	68	166	275	371	163	105	89
15	103	90	e77	e75	e70	70	157	273	364	161	105	88
16	105	91	e75	e77	e70	65	162	280	360	158	105	87
17	102	91	e80	e78	e69	69	159	288	347	159	103	88
18	102	91	e85	e79	e68	69	162	289	333	156	104	89
19	101	86	e85	81	e65	70	170	291	343	156	103	88
20	100	94	e85	77	65	70	167	309	318	150	100	91
21	100	89	e85	75	71	64	183	342	302	147	99	89
22	100	e90	e82	75	68	66	218	384	291	143	99	91
23	99	e90	e80	75	68	68	226	473	280	140	99	93
24	99	e91	e81	72	69	69	221	568	271	137	98	95
25	98	e93	e77	73	67	68	205	613	262	136	98	92
26	98	93	e73	72	66	74	216	608	256	135	102	89
27	98	92	e70	71	67	76	282	578	248	133	104	88
28	101	89	e67	65	67	81	357	568	240	131	98	87
29	102	88	e67	e64	66	76	331	583	231	130	96	86
30	97	87	e65	e62	---	76	295	579	226	127	108	85
31	98	---	e66	e61	---	73	---	555	---	125	112	---
TOTAL	3224	2757	2370	2180	1926	2141	4951	12361	10881	5078	3353	2761
MEAN	104	91.9	76.5	70.3	66.4	69.1	165	399	363	164	108	92.0
MAX	114	97	85	81	72	81	357	613	522	222	124	109
MIN	97	86	65	61	59	64	75	273	226	125	96	85
AC-FT	6390	5470	4700	4320	3820	4250	9820	24520	21580	10070	6650	5480

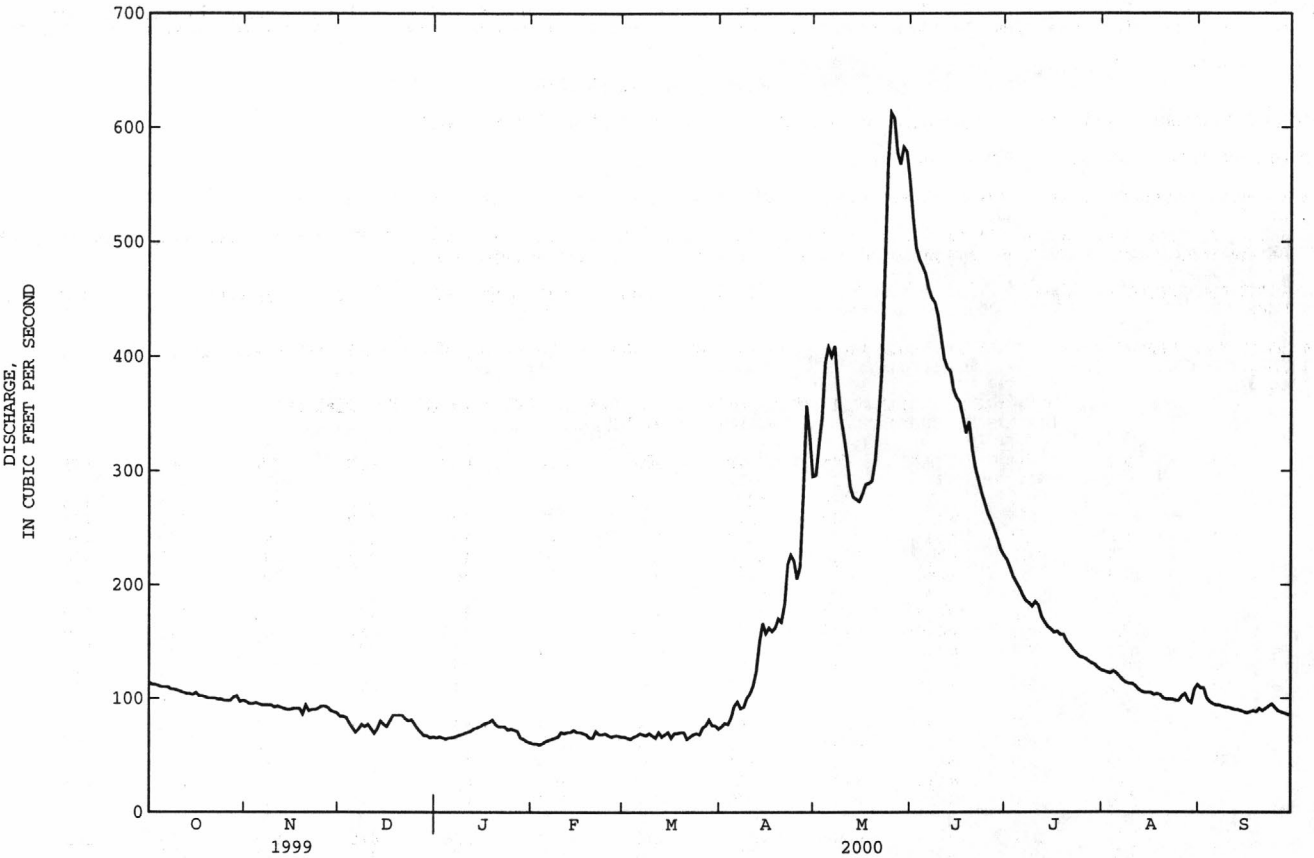
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	91.6	78.8	69.8	64.2	61.6	63.1	161	549	640	300	154	110
MAX	156	113	88.4	85.0	82.8	99.4	385	1072	1377	602	242	166
(WY)	1987	1986	1983	1983	1984	1986	1946	1997	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	91318		53983			
ANNUAL MEAN	250		147		196	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					71.1	1977
HIGHEST DAILY MEAN	1130	Jun 16	613	May 25	2000	Jun 4 1986
LOWEST DAILY MEAN	54	Jan 28	59	Feb 3	32	Dec 6 1993
ANNUAL SEVEN-DAY MINIMUM	55	Jan 28	61	Jan 30	35	Dec 1 1993
ANNUAL RUNOFF (AC-FT)	181100		107100		141700	
10 PERCENT EXCEEDS	862		342		526	
50 PERCENT EXCEEDS	103		96		91	
90 PERCENT EXCEEDS	60		67		59	

e Estimated

10032000 SMITHS FORK NEAR BORDER, WY--Continued



10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in $NW^1/_4SE^1/_4NE^1/_4$ 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1954 to current year (October 1996 to September 1998 seasonal).

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 fair. 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, Jun 7, 1983, gage height, 8.75 ft; minimum, 31 ft^3/s, Oct 4-6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 666 ft^3/s, Feb 7, gage height, 4.01 ft; minimum daily discharge, 102 ft^3/s, Sep 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	261	270	e184	e200	227	346	361	531	325	144	156
2	277	254	e256	e190	e210	236	355	374	489	319	148	150
3	280	257	e255	e195	e200	239	365	391	457	307	144	139
4	281	263	e250	e197	e190	243	369	417	450	297	143	134
5	282	264	e251	e190	e182	257	387	427	445	305	140	130
6	281	259	e272	e185	e190	266	396	427	443	444	136	129
7	281	256	e260	e183	e200	276	382	438	435	393	133	130
8	275	257	e256	e182	e208	273	387	444	391	332	157	128
9	274	256	e265	e186	213	273	417	429	391	322	171	128
10	272	259	e271	e195	214	284	434	447	423	325	181	128
11	267	265	e250	e201	214	220	433	497	474	375	176	127
12	266	269	e256	e195	218	202	426	506	491	362	165	127
13	269	270	e248	e187	224	198	426	492	505	435	160	125
14	267	269	e235	e177	222	253	440	451	479	401	158	113
15	270	266	e235	e161	228	250	432	418	448	350	158	104
16	272	271	e248	e104	235	241	432	384	418	336	158	103
17	266	277	e243	e126	225	243	437	375	407	313	155	102
18	272	280	e254	e153	237	234	449	370	404	292	153	106
19	262	293	e245	e180	241	239	477	359	451	271	157	108
20	270	282	e220	e190	240	231	461	348	462	247	152	109
21	270	289	e200	e200	226	219	449	348	461	235	149	111
22	269	283	e190	e211	220	225	457	365	437	222	145	115
23	268	237	e187	e220	225	267	457	408	423	204	145	123
24	268	284	e185	e220	227	261	432	483	414	185	142	133
25	267	252	e185	e213	231	268	404	544	398	176	138	134
26	266	285	e184	e205	227	285	374	617	389	169	136	136
27	264	305	e186	e199	221	302	370	592	380	161	137	154
28	257	294	e185	e185	219	331	406	567	363	153	136	186
29	275	288	e187	e187	223	344	387	583	346	150	129	210
30	270	293	e186	e180	---	339	360	597	331	145	127	226
31	268	---	e185	e190	---	344	---	574	---	144	155	---
TOTAL	8400	8138	7100	5771	6310	8070	12347	14033	12936	8695	4628	4004
MEAN	271	271	229	186	218	260	412	453	431	280	149	133
MAX	282	305	272	220	241	344	477	617	531	444	181	226
MIN	257	237	184	104	182	198	346	348	331	144	127	102
AC-FT	16660	16140	14080	11450	12520	16010	24490	27830	25660	17250	9180	7940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

MEAN	226	235	206	187	213	371	696	1007	1258	596	244	207
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	238706		100432			
ANNUAL MEAN	654		274		452	
HIGHEST ANNUAL MEAN					1049	1984
LOWEST ANNUAL MEAN					112	1977
HIGHEST DAILY MEAN	2860	Jun 8	617	May 26	5400	Jun 7 1983
LOWEST DAILY MEAN	176	Mar 9	102	Sep 17	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	185	Dec 24	106	Sep 15	36	Oct 1 1977
ANNUAL RUNOFF (AC-FT)	473500		199200		327600	
10 PERCENT EXCEEDS	1630		439		1100	
50 PERCENT EXCEEDS	340		257		237	
90 PERCENT EXCEEDS	204		143		116	

e Estimated

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 29, 1998 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 13, 1998 to current year.

INSTRUMENTATION.--Temperature data logger.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.9°C, Jul 31, 2000; minimum, 0.0°C, on many days during the winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 22.9°C, Jul 31; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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										
29...	1350	604	105	10.1	8.6	444	8.0	190	47	19
NOV										
13...	1350	266	118	13.1	8.6	629	2.0	270	64	28
DEC										
15...	1040	E221	109	12.8	8.5	638	.5	290	71	27
JAN										
27...	0915	E200	95	11.1	8.1	--	.0	250	63	23
FEB										
17...	0940	E250	95	10.8	7.9	601	.5	260	64	25
MAR										
16...	1030	349	104	11.7	8.3	616	1.0	270	61	28
APR										
22...	1020	694	96	9.3	8.4	567	6.5	250	60	25
MAY										
20...	1000	1360	95	8.4	8.4	533	11.0	240	58	23
JUN										
23...	1240	2160	100	7.9	8.4	452	15.5	200	47	21
JUL										
20...	1025	828	104	7.6	8.2	514	15.8	220	52	22
AUG										
17...	0900	442	114	9.1	8.2	484	15.5	210	54	19
SEP										
22...	1020	332	119	10.2	8.3	507	12.5	240	58	22

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
29...	1.7	.5	15	178	210	3	19	.18	4.0	32
NOV										
13...	1.9	.7	27	226	259	8	31	.18	7.8	58
DEC										
15...	1.7	.7	26	237	289	--	29	.20	7.5	62
JAN										
27...	1.6	.6	21	221	270	--	24	.21	7.3	57
FEB										
17...	2.1	.6	23	221	270	--	27	.17	7.8	58
MAR										
16...	4.5	.8	30	216	264	--	38	.17	8.2	59
APR										
22...	2.4	.7	24	213	248	6	25	.17	7.4	55
MAY										
20...	2.2	.6	21	218	261	2	23	.18	7.8	41
JUN										
23...	2.0	.5	18	205	250	--	18	.14	9.7	23
JUL										
20...	1.5	.6	19	217	265	--	22	.15	8.6	33
AUG										
17...	1.5	.5	15	192	234	--	16	.13	7.5	41
SEP										
22...	1.7	.5	19	199	242	--	19	.15	6.4	49

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT										
29...	<.020	.24	.42	<.050	<.010	<.050	<.010	.090	.36	427
NOV										
13...	<.020	.15	.21	.102	<.010	<.050	<.010	E.031	.52	272
DEC										
15...	.029	.12	.13	.088	.018	<.050	<.010	<.050	.52	E229
JAN										
27...	.029	.11	.15	.130	<.010	<.004	<.010	.016	.47	E187
FEB										
17...	<.020	.17	.24	.113	<.010	<.004	<.010	.018	.49	E242
MAR										
16...	.029	.40	.62	.077	<.010	.022	.013	.083	.54	374
APR										
22...	.030	.20	.81	.089	<.010	.015	.020	.274	.46	635
MAY										
20...	.026	.25	.82	<.050	<.010	.020	.018	.283	.45	1230
JUN										
23...	<.020	.36	.87	.055	<.010	.024	.023	.273	.38	1650
JUL										
20...	<.020	.31	.53	.085	<.010	.015	.010	.154	.42	689
AUG										
17...	<.020	.16	.23	<.050	<.010	.007	<.010	.077	.39	341
SEP										
22...	<.020	.18	.29	<.050	<.010	<.004	<.010	.048	.42	275

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
29...	262	244	--	<10	E2.6	3.8	1.7	121	74	--
NOV										
13...	379	354	--	E7.1	15	2.2	.40	42	59	--
DEC										
15...	383	367	--	<10	15	2.1	.40	E57	95	--
JAN										
27...	347	331	--	E7.9	22	1.8	.20	E19	35	--
FEB										
17...	358	341	--	E6.3	24	2.3	.20	E31	46	--
MAR										
16...	397	359	--	23	38	5.4	.50	24	26	--
APR										
22...	339	328	--	<10	6.3	3.7	4.0	326	174	82
MAY										
20...	334	307	--	<10	4.9	4.2	>5.0	925	252	84
JUN										
23...	283	261	--	E5.4	7.1	6.5	3.0	1010	173	75
JUL										
20...	308	289	--	<10	6.8	4.7	1.4	239	107	95
AUG										
17...	286	269	15	<10	6.4	2.6	--	50	42	97
SEP										
22...	307	295	8.0	<10	6.3	2.9	.60	54	60	81

DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
DEC				
15...	1040	E221	.5	<1
FEB				
16...	1715	E242	.5	K2
MAY				
20...	1000	1360	11.0	170
AUG				
17...	0900	442	15.5	30

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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										
26...	1040	266	106	11.0	8.4	567	4.5	260	62	25
NOV										
16...	0940	274	104	11.6	8.4	570	1.7	260	64	24
DEC										
14...	1020	E235	93	11.0	7.8	580	.0	270	67	25
JAN										
20...	1030	E190	94	10.9	8.2	540	.3	250	64	23
FEB										
15...	1120	231	103	11.9	8.0	532	.3	240	62	22
MAR										
22...	1100	E234	107	12.0	8.3	650	1.9	270	64	28
APR										
25...	1020	405	100	9.4	8.4	550	8.2	240	60	22
MAY										
17...	1110	383	120	9.7	8.3	540	9.2	240	60	22
JUN										
13...	1220	510	115	9.4	7.9	671	14.5	260	57	30
JUL										
19...	1020	270	106	8.2	8.4	770	17.4	330	67	40
AUG										
24...	1150	144	110	8.8	8.3	540	16.0	240	60	21
SEP										
19...	1020	108	105	9.0	8.2	534	12.4	250	63	22

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
26...	1.5	.6	22	206	251	--	23	.14	6.3	59
NOV										
16...	1.8	.6	22	202	246	--	24	.16	6.6	60
DEC										
14...	1.6	.6	23	224	273	--	25	.20	8.1	61
JAN										
20...	1.5	.5	18	202	246	--	19	.16	8.5	60
FEB										
15...	1.5	.5	18	204	249	--	19	.15	7.9	61
MAR										
22...	2.4	.8	31	229	274	3	35	.13	8.4	83
APR										
25...	1.9	.6	22	206	240	5	25	.11	7.4	60
MAY										
17...	1.8	.6	21	202	238	4	20	.14	8.2	58
JUN										
13...	2.7	.9	32	229	279	--	35	.20	14	57
JUL										
19...	3.0	1	45	299	363	1	44	.29	11	59
AUG										
24...	1.4	.5	18	199	241	--	19	.18	7.1	59
SEP										
19...	1.6	.5	19	188	229	--	20	.14	6.7	63

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT 26...	<.020	.13	.22	<.050	<.010	<.050	<.010	E.005	.44	232
NOV 16...	<.020	.13	.14	.059	<.010	<.006	<.010	.021	.45	244
DEC 14...	.029	.14	.16	.135	<.010	.007	<.010	.029	.48	E225
JAN 20...	.029	.13	E.09	.183	<.010	E.005	<.010	.027	.44	E165
FEB 15...	.028	.10	.19	.162	<.010	.006	<.010	.033	.44	203
MAR 22...	.029	.20	.35	.061	<.010	.007	<.010	.045	.54	E252
APR 25...	<.020	.21	.41	<.050	<.010	.010	<.010	.150	.46	371
MAY 17...	<.020	.24	.45	<.050	<.010	.011	<.010	.067	.45	345
JUN 13...	<.020	.52	.67	.054	<.010	.019	<.010	.105	.56	563
JUL 19...	<.020	.49	.66	<.050	<.010	.010	<.010	.100	.64	342
AUG 24...	<.020	.14	.26	.063	<.010	E.004	.060	.034	.44	126
SEP 19...	<.020	.11	.26	<.050	<.010	E.003	<.010	.041	.42	90.7

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 26...	323	321	3.1	<10	12	2.2	.50	40	55	60
NOV 16...	330	323	4.6	E7.9	14	1.8	.40	57	77	50
DEC 14...	354	347	4.0	<10	17	1.9	.40	E41	65	52
JAN 20...	321	315	3.5	<10	12	1.7	.40	E13	25	72
FEB 15...	325	314	5.1	<10	14	1.7	.60	53	85	94
MAR 22...	399	389	5.8	E5.3	40	3.0	.80	E52	83	82
APR 25...	339	320	28	<10	11	2.9	2.6	103	94	96
MAY 17...	334	313	5.4	<10	23	3.5	1.4	35	34	94
JUN 13...	409	365	30	14	18	8.5	1.2	161	117	82
JUL 19...	469	449	27	14	8.9	6.4	1.2	95	130	92
AUG 24...	324	305	21	<10	19	2.0	.46	17	45	89
SEP 19...	311	308	25	E6.6	17	1.7	.57	17	59	99

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV 16...	0940	274	1.7	K15
FEB 15...	1120	231	.3	K29
JUN 22...	1230	433	16.7	50
AUG 24...	1150	144	16.0	45

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.7	8.0	9.3	4.9	2.8	4.0	.8	.0	.4	.1	.0	.0
2	9.8	6.7	8.5	4.2	1.7	3.1	.2	.0	.0	.1	.0	.0
3	9.8	6.3	8.1	4.2	1.4	3.0	.4	.0	.0	.1	.0	.0
4	10.1	6.1	8.3	5.2	2.0	3.7	.1	.0	.0	.1	.0	.0
5	10.5	6.7	8.8	5.0	2.0	3.7	.0	.0	.0	.1	.0	.0
6	9.5	7.3	8.7	5.2	2.2	3.9	.1	.0	.0	.1	.0	.0
7	10.4	7.2	8.8	4.3	2.5	3.5	.4	.0	.0	.1	.0	.0
8	10.7	7.0	9.0	5.0	2.7	4.0	.1	.0	.0	.1	.0	.0
9	10.5	7.5	9.3	5.2	3.0	4.2	.0	.0	.0	.1	.0	.0
10	11.6	7.8	9.8	4.4	2.0	3.4	.3	.0	.0	.1	.0	.0
11	10.9	8.1	9.7	4.6	2.0	3.4	.0	.0	.0	.1	.0	.0
12	10.9	7.7	9.4	4.7	2.0	3.5	.1	.0	.0	.1	.0	.0
13	10.9	7.3	9.3	4.1	1.7	3.1	.1	.0	.0	.1	.0	.0
14	10.2	7.2	9.0	3.6	1.1	2.5	.1	.0	.0	.1	.0	.0
15	9.4	6.9	8.1	3.2	.6	2.1	.0	.0	.0	.1	.0	.0
16	7.4	4.7	6.1	3.8	1.2	2.6	.1	.0	.0	.1	.0	.0
17	6.1	3.0	4.8	4.2	1.7	3.1	.3	.0	.1	.1	.0	.0
18	6.4	3.6	5.1	3.5	1.9	2.7	.1	.0	.0	.1	.0	.0
19	6.4	3.3	5.0	1.9	.1	1.1	.1	.0	.0	.1	.0	.0
20	6.9	3.5	5.3	2.0	.8	1.3	.3	.0	.0	.3	.0	.0
21	7.2	3.8	5.7	1.9	.6	1.2	.1	.0	.0	.1	.0	.0
22	7.2	3.9	5.7	1.2	.0	.5	.1	.0	.0	.3	.0	.0
23	7.0	3.8	5.6	.4	.0	.1	.1	.0	.0	.1	.0	.0
24	7.2	3.9	5.7	.1	.0	.0	.0	.0	.0	.3	.0	.0
25	7.0	3.8	5.6	.6	.0	.1	.0	.0	.0	.3	.0	.0
26	8.6	3.9	5.8	1.2	.1	.5	.0	.0	.0	.4	.0	.1
27	7.5	4.4	6.0	1.7	.0	.8	.0	.0	.0	.3	.0	.0
28	6.4	4.6	5.2	1.7	.0	.7	.1	.0	.0	.1	.0	.0
29	5.2	3.5	4.3	2.0	.0	1.0	.1	.0	.0	.0	.0	.0
30	5.0	2.2	3.7	1.6	.3	.9	.0	.0	.0	.0	.0	.0
31	5.6	2.5	4.2	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	11.6	2.2	7.0	5.2	.0	2.3	.8	.0	.0	.4	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.1	.0	.0	4.4	.8	2.4	8.5	5.0	6.7	14.3	8.6	11.4
2	.1	.0	.0	3.6	.6	1.9	7.7	6.2	6.9	14.5	10.3	12.4
3	.1	.0	.0	3.8	.0	1.7	8.8	4.9	7.0	15.1	10.3	12.8
4	.1	.0	.0	4.1	.0	1.9	10.6	6.3	8.6	15.1	11.2	13.2
5	.1	.0	.0	2.5	.4	1.5	10.9	8.3	9.7	13.4	10.9	12.2
6	.3	.0	.0	4.1	.3	2.0	9.7	6.2	7.8	12.0	9.5	10.4
7	.3	.0	.0	3.5	1.1	2.0	8.9	4.8	6.8	11.4	8.9	9.9
8	.3	.0	.0	3.3	.3	1.7	10.3	5.8	8.1	10.5	8.0	9.3
9	.3	.0	.1	2.2	.9	1.4	10.1	8.0	9.1	11.1	8.2	9.7
10	.3	.0	.1	3.3	.0	1.4	10.7	7.5	9.2	9.9	5.4	8.0
11	.3	.0	.1	3.3	.0	1.6	11.8	8.1	10.0	7.5	3.8	5.6
12	.3	.0	.1	4.2	.0	2.0	11.8	9.4	10.7	10.3	6.1	8.0
13	.3	.0	.1	4.2	.0	2.1	11.2	8.7	10.1	11.7	7.2	9.5
14	.4	.0	.1	3.9	.8	2.3	10.5	9.0	9.7	14.2	9.4	11.7
15	.6	.0	.2	3.9	1.1	2.3	10.1	8.2	9.2	14.2	10.8	12.4
16	.3	.0	.1	4.2	.0	2.1	9.9	7.6	8.8	13.3	10.6	11.9
17	.9	.0	.4	3.9	.9	2.6	9.9	8.2	9.1	11.1	8.9	10.1
18	.9	.0	.2	4.4	.1	2.4	9.4	6.6	8.5	12.6	9.1	10.9
19	.8	.0	.1	3.3	1.1	2.0	8.5	5.9	7.1	14.3	9.9	12.0
20	.4	.0	.1	2.4	.0	1.1	11.3	7.0	9.0	15.9	10.8	13.3
21	1.4	.0	.5	3.9	.0	1.8	12.2	9.1	10.8	15.6	11.6	13.7
22	2.5	.3	1.2	5.5	.0	3.0	11.7	10.3	10.9	16.5	12.0	14.3
23	1.1	.0	.5	5.6	2.2	4.2	11.9	8.9	10.4	17.3	12.4	14.7
24	1.2	.1	.6	6.4	2.2	4.5	11.7	8.6	10.1	15.7	13.1	14.2
25	2.0	.0	.7	7.0	2.8	5.1	11.4	7.7	9.7	14.0	11.9	13.0
26	1.1	.0	.4	9.0	4.8	6.9	13.4	8.5	11.0	13.7	10.9	12.2
27	2.5	.0	1.1	9.3	5.3	7.5	15.1	10.0	12.6	14.6	10.6	12.6
28	3.0	.0	1.5	8.7	6.9	7.9	15.1	11.7	13.5	16.0	12.6	14.2
29	3.0	.1	1.6	7.8	4.7	6.3	12.7	9.2	10.7	16.6	12.7	14.5
30	---	---	---	9.2	5.6	7.1	12.5	7.4	9.9	16.0	12.6	14.3
31	---	---	---	8.4	4.8	6.6	---	---	---	15.5	12.5	13.9
MONTH	3.0	.0	.3	9.3	.0	3.2	15.1	4.8	9.4	17.3	3.8	11.8

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.9	10.5	12.7	20.3	16.4	18.1	21.9	18.4	20.1	15.9	13.2	14.4
2	16.7	11.4	14.0	20.9	16.1	18.5	20.9	17.5	19.3	15.7	11.7	13.7
3	17.5	12.7	15.0	19.4	16.4	18.0	21.0	18.0	19.4	16.5	11.5	14.1
4	18.2	13.0	15.6	19.5	14.8	17.1	21.9	17.2	19.3	16.8	12.1	14.6
5	17.7	13.6	15.8	20.1	14.7	17.4	20.9	16.8	18.9	17.3	12.8	15.0
6	18.8	13.5	16.1	20.2	16.1	18.2	20.7	15.7	18.3	15.4	12.3	13.9
7	19.0	13.9	16.5	20.6	16.1	18.4	20.4	15.9	18.2	15.3	10.3	12.9
8	17.3	14.4	15.6	20.0	16.6	18.4	21.0	15.9	18.4	14.3	10.9	12.7
9	15.1	12.4	13.5	21.0	16.8	18.9	20.9	16.7	18.7	14.0	10.6	12.3
10	15.6	10.6	12.9	19.2	17.2	18.2	20.9	17.0	18.9	14.8	9.7	12.3
11	17.6	12.3	15.0	20.8	15.4	17.9	21.4	17.2	19.3	14.9	11.2	13.3
12	16.7	14.6	15.6	21.0	17.1	19.2	20.4	15.6	18.1	16.8	11.7	14.3
13	17.2	13.1	14.9	22.5	18.1	20.2	19.6	15.3	17.5	17.0	12.8	14.9
14	18.2	12.9	15.6	22.5	18.9	20.7	19.9	14.8	17.4	18.0	12.8	15.3
15	19.3	14.9	16.9	21.5	18.9	20.3	19.3	15.3	17.2	17.6	13.1	15.4
16	17.1	13.8	15.4	21.0	18.6	20.0	20.2	16.0	18.1	17.6	12.8	15.2
17	17.4	11.8	14.6	22.2	18.6	20.2	19.6	15.3	17.4	16.4	13.2	14.8
18	17.3	13.3	15.2	21.0	17.3	19.1	18.8	15.4	17.0	14.9	11.5	13.3
19	17.0	13.6	15.0	20.9	16.4	18.6	19.3	14.9	17.1	15.1	11.5	13.2
20	17.2	12.2	14.7	20.7	16.8	18.8	19.3	14.6	17.0	15.4	11.2	13.3
21	19.1	13.3	16.1	21.4	16.5	19.0	18.8	14.0	16.5	13.2	10.4	11.9
22	20.5	14.8	17.7	21.5	16.5	19.2	16.5	13.4	15.1	11.5	8.2	10.1
23	21.0	16.0	18.5	21.4	16.4	19.1	18.0	13.2	15.6	8.2	5.8	6.9
24	21.2	16.5	18.8	21.2	16.7	19.0	19.1	14.6	16.7	8.9	4.9	6.6
25	21.0	16.7	18.8	21.5	16.4	19.0	18.1	15.3	16.8	10.0	5.0	7.6
26	21.2	16.0	18.7	21.9	17.3	19.6	16.7	15.3	16.0	11.5	6.7	9.1
27	20.6	16.9	18.7	22.4	17.5	19.8	17.5	14.0	15.6	12.3	7.7	10.1
28	20.9	15.6	18.3	20.9	16.8	19.1	18.3	13.8	16.1	12.8	8.9	11.0
29	21.1	16.1	18.7	21.7	16.4	19.2	18.6	13.8	16.3	14.0	10.0	12.1
30	19.9	15.9	18.2	22.5	17.3	19.9	16.8	15.2	15.9	13.8	10.0	12.0
31	---	---	---	22.9	18.0	20.4	16.0	14.0	14.8	---	---	---
MONTH	21.2	10.5	16.1	22.9	14.7	19.0	21.9	13.2	17.5	18.0	4.9	12.5

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE$^1/_4$NE$^1/_4$NE$^1/_4$ 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 September 1996, October 1996 to current year (seasonal).

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. Natural flow of stream affected by regulation of upstream reservooirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s, Jun 7, 1983, gage height, 9.69 ft; minimum, 24 ft^3/s, Apr 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 538 ft^3/s, May 26, gage height, 3.23 ft; minimum daily discharge, 84 ft^3/s, Sep 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260	226	---	---	---	---	383	385	483	268	128	117
2	256	219	---	---	---	---	386	394	453	260	129	116
3	255	218	---	---	---	---	397	405	417	255	130	103
4	253	222	---	---	---	---	401	420	403	245	128	101
5	251	225	---	---	---	---	414	423	400	242	125	100
6	248	221	---	---	---	---	426	394	395	324	123	101
7	247	217	---	---	---	---	414	409	390	341	121	103
8	240	221	---	---	---	---	408	413	363	287	129	100
9	236	215	---	---	---	---	432	405	352	280	145	101
10	233	219	---	---	---	---	453	424	368	287	157	100
11	228	223	---	---	---	---	449	473	405	321	155	101
12	226	231	---	---	---	---	443	487	422	351	149	99
13	228	258	---	---	---	---	440	480	437	371	144	98
14	225	258	---	---	---	---	450	438	416	403	141	89
15	226	257	---	---	---	---	456	410	398	336	140	84
16	227	259	---	---	---	---	442	381	369	324	141	86
17	226	266	---	---	---	---	450	372	360	312	137	85
18	228	271	---	---	---	---	457	364	348	299	133	92
19	220	283	---	---	---	---	488	357	397	275	139	97
20	226	266	---	---	---	---	484	346	404	255	137	99
21	227	279	---	---	---	---	462	343	411	239	135	103
22	227	265	---	---	---	---	470	351	382	224	135	107
23	226	e233	---	---	---	---	474	374	368	213	137	116
24	226	e260	---	---	---	---	459	418	357	199	101	119
25	225	e245	---	---	---	---	436	461	344	182	100	121
26	225	e255	---	---	---	---	410	517	331	158	102	114
27	223	e275	---	---	---	---	393	514	327	155	102	121
28	215	e270	---	---	---	---	419	495	302	140	101	152
29	231	e266	---	---	---	---	421	507	289	137	98	177
30	240	e272	---	---	---	---	391	523	274	134	91	192
31	237	---	---	---	---	---	---	516	---	132	110	---
TOTAL	7241	7395	---	---	---	---	13008	13199	11365	7949	3943	3294
MEAN	234	246	---	---	---	---	434	426	379	256	127	110
MAX	260	283	---	---	---	---	488	523	483	403	157	192
MIN	215	215	---	---	---	---	383	343	274	132	91	84
AC-FT	14360	14670	---	---	---	---	25800	26180	22540	15770	7820	6530

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 October 1, 1923, at site 300 ft downstream at different datum; October 1, 1923 to October 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Canal diverts from Bear River at Stewart Dam in 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 PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--78 years, 372 ft^3/s, 269,500 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	243	e267	e187	e163	e204	414	302	202	194	33	34
2	259	237	e263	e160	e167	e204	401	285	189	185	26	51
3	284	230	e259	e152	e159	e204	412	279	192	197	25	52
4	277	236	e256	e148	e167	e207	422	270	188	162	23	39
5	270	243	e259	e152	e155	e201	420	214	194	153	23	34
6	270	246	e262	e152	e163	e204	429	209	179	130	24	29
7	266	243	e258	e152	e159	e207	427	193	170	164	19	32
8	269	243	e262	e159	e167	e204	428	186	160	177	19	44
9	266	246	e258	e148	e155	e210	418	170	123	142	19	45
10	262	239	e261	e163	e159	e207	432	163	40	122	25	45
11	262	236	e258	e167	e163	e201	446	191	40	130	32	29
12	255	223	e261	e163	e163	e206	439	198	50	127	48	25
13	241	229	e257	e163	e171	206	432	208	50	124	45	24
14	245	246	e261	e163	e176	205	430	212	50	150	39	24
15	238	246	e254	e163	e180	214	427	201	50	192	37	24
16	241	246	e257	e159	e184	217	429	190	50	151	44	25
17	248	246	e260	e163	e189	235	414	150	30	141	48	25
18	244	253	e257	e167	e193	235	399	172	25	86	39	25
19	248	256	e260	e184	e193	231	393	153	20	112	23	26
20	244	270	e243	e189	e193	254	410	143	20	109	19	26
21	247	260	e226	e192	e189	289	412	117	20	95	20	26
22	247	e267	e223	e195	e184	323	389	103	20	102	18	27
23	247	e267	e226	e195	e184	363	391	80	25	91	20	27
24	247	e267	e222	e186	e193	371	388	77	25	79	42	28
25	247	e274	e219	e186	e186	375	374	86	25	72	52	28
26	247	e285	e212	e186	e192	370	359	105	20	66	40	39
27	247	e285	e209	e195	e186	381	340	129	25	57	44	48
28	250	e285	e215	e192	e195	392	317	197	25	49	48	52
29	247	e278	e212	e193	e201	416	319	243	25	37	26	135
30	254	e278	e209	e184	---	415	332	260	25	49	21	129
31	261	---	e212	e171	---	414	---	241	---	49	19	---
TOTAL	7879	7603	7558	5329	5129	8365	12043	5727	2257	3694	960	1197
MEAN	254	253	244	172	177	270	401	185	75.2	119	31.0	39.9
MAX	284	285	267	195	201	416	446	302	202	197	52	135
MIN	238	223	209	148	155	201	317	77	20	37	18	24
AC-FT	15630	15080	14990	10570	10170	16590	23890	11360	4480	7330	1900	2370

CAL YR 1999 TOTAL 248253 MEAN 680 MAX 2900 MIN 209 AC-FT 492400
WTR YR 2000 TOTAL 67741 MEAN 185 MAX 446 MIN 18 AC-FT 134400

e Estimated

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 PacifiCorp 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 PacifiCorp, 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, Jun 10, 1923, elevation, 5,923.68 ft; no usable contents Nov 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,235,000 acre-ft Oct 1, elevation 5,921.00 ft; minimum contents, 866,000 acre-ft Sep 30, elevation 5,915.67.

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1235	1182	1143	1114	1111	1120	1111	1137	1138	1070	978	902
2	1233	1180	1143	1113	1111	1120	1111	1138	1136	1066	976	902
3	1231	1178	1141	1113	1111	1120	1112	1139	1135	1063	973	902
4	1229	1176	1140	1112	1111	1120	1113	1140	1134	1061	971	901
5	1228	1174	1138	1111	1111	1120	1113	1141	1133	1057	970	900
6	1226	1172	1137	1111	1112	1120	1113	1141	1132	1054	969	898
7	1224	1170	1136	1110	1112	1121	1113	1142	1131	1050	967	897
8	1222	1168	1134	1109	1112	1121	1114	1143	1129	1047	964	895
9	1220	1167	1133	1108	1112	1121	1115	1144	1128	1043	961	895
10	1219	1166	1132	1108	1112	1121	1115	1145	1126	1040	958	894
11	1217	1164	1131	1107	1113	1121	1115	1145	1124	1036	955	893
12	1217	1163	1131	1107	1113	1121	1116	1146	1120	1033	951	892
13	1216	1162	1130	1107	1114	1121	1117	1147	1117	1028	948	890
14	1215	1161	1129	1106	1115	1120	1118	1147	1114	1024	944	889
15	1213	1160	1129	1106	1115	1120	1119	1148	1111	1022	940	888
16	1212	1159	1128	1106	1115	1119	1120	1148	1108	1019	938	887
17	1210	1157	1127	1106	1116	1119	1122	1148	1105	1016	935	885
18	1209	1156	1127	1106	1117	1118	1123	1148	1102	1014	932	884
19	1207	1155	1126	1106	1118	1118	1124	1149	1099	1011	929	883
20	1206	1153	1125	1107	1118	1116	1125	1149	1097	1009	926	881
21	1203	1152	1124	1108	1118	1115	1126	1149	1095	1007	923	880
22	1201	1150	1122	1108	1118	1114	1127	1150	1093	1004	919	878
23	1199	1150	1122	1108	1119	1113	1129	1150	1091	1002	917	877
24	1197	1149	1121	1108	1119	1113	1130	1150	1089	999	915	876
25	1195	1148	1120	1109	1119	1112	1131	1148	1087	997	912	874
26	1193	1148	1120	1109	1119	1112	1132	1148	1085	994	910	874
27	1192	1148	1118	1110	1119	1111	1134	1147	1083	991	908	872
28	1190	1147	1118	1110	1119	1111	1134	1145	1079	989	906	870
29	1187	1145	1117	1110	1120	1111	1135	1144	1076	986	904	867
30	1185	1144	1116	1110	---	1111	1136	1142	1076	983	902	866
31	1183	---	1115	1111	---	1111	---	1141	---	980	902	---
MAX	1235	1182	1143	1114	1120	1121	1136	1150	1138	1070	978	902
MIN	1183	1144	1115	1106	1111	1111	1111	1137	1076	980	902	866
(#)	5920.26	5919.70	5919.29	5919.22	5919.35	5919.23	5919.58	5919.65	5918.72	5917.24	5916.20	5915.67
(*)	-53	-39	-29	-4	+9	-9	+25	+5	-65	-96	-78	-36

CAL YR 1999.....(*) -25
WTR YR 2000.....(*) -370

(#) Elevation, in feet, at end of month.
(*) Change in contents, in 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 PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--78 years, 420 ft^3/s, 304,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft^3/s, Jun 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	1020	e727	e684	e263	e303	5.0	5.0	813	1210	1070	782
2	764	1020	e713	e684	e267	301	5.0	5.0	553	1200	1040	624
3	804	1010	e707	e690	e272	303	5.0	5.0	338	1200	1040	525
4	836	1010	e701	e693	e279	303	5.0	5.0	411	1200	1040	460
5	853	1010	e707	e687	e289	301	5.0	5.0	503	1210	1040	439
6	867	914	e713	e690	e298	303	5.0	274	632	1270	1050	434
7	831	857	e727	e690	e303	303	5.0	344	748	1330	1110	437
8	784	862	e718	e684	e301	303	5.0	360	949	1300	1170	437
9	792	858	e701	e682	e301	301	5.0	364	1120	1290	1170	439
10	780	855	e707	e684	e305	301	5.0	325	1170	1270	1160	418
11	770	851	e698	e684	e311	303	5.0	296	1170	1290	1150	407
12	767	850	e698	e687	e309	301	5.0	225	1170	1330	1150	407
13	766	849	e701	e687	e305	303	5.0	122	1230	1350	1140	329
14	763	851	e707	e684	e303	303	5.0	102	1320	1360	1130	265
15	762	853	e713	e684	e301	305	5.0	104	1370	1340	1130	254
16	764	852	e710	e684	e301	259	5.0	104	1380	1320	1070	256
17	764	855	e696	e662	e303	212	5.0	109	1370	1230	1010	256
18	763	780	e696	e621	e301	212	5.0	104	1360	1130	1010	249
19	763	713	e693	e536	e301	216	5.0	116	1360	1170	1010	247
20	759	715	e696	e478	e301	221	5.0	298	1360	1170	988	222
21	808	720	e696	e440	e303	216	5.0	364	1350	1160	987	206
22	873	722	e696	e433	e305	216	5.0	554	1360	1150	1010	206
23	910	710	e696	e313	e307	218	5.0	1050	1310	1150	1010	202
24	939	698	e696	e263	e305	218	5.0	1100	1230	1090	1010	201
25	975	714	e696	e256	e303	218	5.0	1180	1240	1000	1010	201
26	997	733	e693	e256	e301	221	5.0	1060	1240	1060	997	194
27	1010	732	e687	e257	e303	219	5.0	882	1230	1110	990	190
28	1030	731	e690	e257	e300	225	5.0	790	1210	1130	966	194
29	1030	730	e690	e256	e301	219	5.0	752	1200	1160	939	196
30	1030	727	e687	e257	---	227	5.0	704	1200	1160	902	83
31	1030	---	e687	e257	---	115	---	738	---	1130	882	---
TOTAL	26184	24802	21743	16520	8642	7969	150.0	12446.0	32897	37470	32381	9760
MEAN	845	827	701	533	298	257	5.00	401	1097	1209	1045	325
MAX	1030	1020	727	693	311	305	5.0	1180	1380	1360	1170	782
MIN	600	698	687	256	263	115	5.0	5.0	338	1000	882	83
AC-FT	51940	49190	43130	32770	17140	15810	298	24690	65250	74320	64230	19360

CAL YR 1999 TOTAL 284931 MEAN 781 MAX 1380 MIN 199 AC-FT 565200
WTR YR 2000 TOTAL 230964.0 MEAN 631 MAX 1380 MIN 5.0 AC-FT 458100

e Estimated

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 16010201, 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.

WATER-DISCHARGE RECORDS

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 good except for estimated daily discharges, which are fair. 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, Jun 21, 1986; minimum daily, 23 ft^3/s, Mar 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,770 ft^3/s, Jun 23, gage height, 5.78 ft; minimum daily discharge, 94 ft^3/s, May 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	1250	803	e630	e430	436	318	206	1090	1490	1290	980
2	812	1240	785	e660	e438	448	253	142	1070	1470	1210	851
3	918	1230	e777	e660	e430	446	244	106	666	1440	1180	686
4	970	1240	e760	e640	e420	451	239	97	564	1400	1170	589
5	1010	1240	e760	e640	e410	463	203	94	574	1390	1150	518
6	1040	1210	e780	e620	e420	472	182	179	728	1390	1150	486
7	1030	1080	e783	e600	e410	483	164	375	790	1490	1160	480
8	956	1070	e801	e600	e400	489	158	420	986	1500	1250	482
9	968	1060	e780	e600	e386	497	156	437	1190	1500	1290	481
10	952	1060	e760	e580	e388	509	153	446	1310	1490	1300	483
11	939	1040	e763	e560	e380	465	205	385	1360	1490	1300	460
12	960	1040	e760	e565	e370	457	208	394	1380	1550	1290	451
13	958	1030	e767	e580	e380	415	203	284	1400	1600	1290	451
14	945	1020	e778	e600	e386	413	212	211	1530	1660	1290	353
15	929	1010	e740	e615	e401	428	207	200	1610	1670	1290	303
16	919	1010	e760	e580	e454	431	203	201	1660	1650	1280	288
17	927	1000	e781	e560	e459	362	198	204	1680	1620	1180	289
18	930	976	e758	e540	e436	338	193	225	1690	1430	1150	284
19	923	868	e745	e520	e428	344	182	271	1680	1430	1150	279
20	919	834	e760	e500	e418	336	177	292	1680	1460	1140	273
21	930	829	e760	e494	e400	338	171	462	1690	1460	1120	247
22	1020	820	e760	e480	e394	337	174	451	1710	1460	1130	239
23	1070	807	e740	e462	e401	340	190	949	1760	1480	1170	248
24	1120	794	e760	e467	e417	347	180	1160	1670	1470	1160	245
25	1150	787	e740	e465	e430	353	180	1270	1600	1360	1170	245
26	1190	818	e756	e450	e436	375	161	1310	1610	1340	1170	248
27	1220	831	e700	e431	e440	416	132	1150	1590	1380	1140	248
28	1240	821	e680	e422	e428	455	125	1040	1550	1400	1120	252
29	1250	815	e665	e410	437	467	118	1030	1500	1410	1090	262
30	1260	815	e675	e420	---	457	122	1040	1470	1410	1060	274
31	1260	---	e660	e425	---	446	---	999	---	1380	1020	---
TOTAL	31283	29645	23297	16776	12027	13014	5611	16030	40788	45670	36860	11975
MEAN	1009	988	752	541	415	420	187	517	1360	1473	1189	399
MAX	1260	1250	803	660	459	509	318	1310	1760	1670	1300	980
MIN	568	787	660	410	370	336	118	94	564	1340	1020	239
AC-FT	62050	58800	46210	33280	23860	25810	11130	31800	80900	90590	73110	23750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2000, BY WATER YEAR (WY)

MEAN	475	485	488	446	400	408	447	579	940	1190	1022	683
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1923 - 2000	
ANNUAL TOTAL	363907		282976			
ANNUAL MEAN	997		773		634	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1570	Jul 20	1760	Jun 23	4280	Jun 21 1986
LOWEST DAILY MEAN	446	Sep 29	94	May 5	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	526	Jan 19	126	Apr 29	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	721800		561300		459000	
10 PERCENT EXCEEDS	1320		1430		1350	
50 PERCENT EXCEEDS	1020		740		522	
90 PERCENT EXCEEDS	656		221		79	

e Estimated

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Miscellaneous temperature and conductance 1967-1968, December 1972-1991, October 29, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 14, 1998 to September 30, 2000.

INSTRUMENTATION.--Temperature data logger November 14, 1998 to September 30, 2000.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum recorded, 25.3°C, Aug 1, 2000; minimum, 0.0°C, several days each winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 25.3°C, Aug 1; minimum, 0.0°C, Dec 3-6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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										
29...	0820	1220	91	8.8	8.6	560	7.5	230	43	30
NOV										
13...	0950	1290	98	11.0	8.5	647	2.1	280	45	41
DEC										
15...	1500	948	99	11.5	8.7	712	.8	290	51	41
JAN										
27...	1415	567	102	11.8	8.3	618	.5	260	61	26
FEB										
17...	1500	942	96	11.2	8.5	653	.5	270	46	38
MAR										
16...	1500	948	104	10.6	8.5	652	5.0	270	46	39
APR										
22...	1450	652	104	9.7	8.4	560	8.7	240	57	23
MAY										
20...	1400	1230	103	8.5	8.4	547	13.9	240	59	22
JUN										
23...	1610	1270	101	7.4	8.0	517	20.5	220	53	22
JUL										
20...	1500	1650	92	6.5	8.2	582	20.9	250	57	26
AUG										
17...	1320	1210	103	7.6	8.5	616	19.0	250	44	34
SEP										
22...	1520	1250	109	8.7	8.5	634	16.0	270	47	38

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
29...	3.0	.7	26	213	241	9	31	.15	6.5	50
NOV										
13...	3.2	.9	36	231	--	--	40	.18	9.3	63
DEC										
15...	3.2	.9	37	253	284	12	45	.20	9.7	68
JAN										
27...	1.8	.7	27	214	261	--	32	.17	7.7	56
FEB										
17...	3.2	.9	34	233	277	4	37	.17	9.5	62
MAR										
16...	4.2	.9	34	226	273	1	43	.17	10	63
APR										
22...	2.5	.8	29	198	237	2	35	.15	8.9	48
MAY										
20...	2.1	.7	25	215	262	--	28	.19	8.5	41
JUN										
23...	2.2	.7	23	215	262	--	24	.15	11	28
JUL										
20...	2.0	.7	24	250	305	--	27	.16	10	33
AUG										
17...	3.0	.8	29	226	268	4	34	.17	9.4	55
SEP										
22...	3.5	.9	33	230	263	9	38	.17	9.2	62

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT										
29...	<.020	.24	.35	.075	<.010	<.050	<.010	E.040	.47	1130
NOV										
13...	<.020	.20	.27	.103	<.010	<.050	<.010	E.030	.55	1400
DEC										
15...	.032	.19	.23	.144	.022	<.050	.010	<.050	.58	1080
JAN										
27...	.031	.10	.13	.263	<.010	.004	<.010	.018	.50	557
FEB										
17...	.021	.17	.22	.144	<.010	<.004	<.010	.032	.53	1000
MAR										
16...	.028	.25	.42	.123	<.010	.005	<.010	.169	.54	1010
APR										
22...	.027	.31	.71	.090	<.010	.010	.013	.103	.47	611
MAY										
20...	.020	.25	.64	.075	<.010	.016	.016	.121	.47	1150
JUN										
23...	<.020	.39	.65	.068	<.010	.019	.018	.131	.44	1110
JUL										
20...	<.020	.39	.61	.053	<.010	.014	.010	.134	.47	1530
AUG										
17...	<.020	.22	.60	<.050	<.010	.007	<.010	.184	.50	1190
SEP										
22...	<.020	.22	.44	.066	<.010	<.004	<.010	.085	.50	1240

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
29...	342	318	--	<10	E1.8	3.2	1.0	203	62	--
NOV										
13...	402	377	--	<10	E1.9	--	--	153	44	--
DEC										
15...	423	406	--	<10	6.5	2.8	.40	173	68	--
JAN										
27...	364	341	--	<10	15	1.5	.20	77	50	--
FEB										
17...	393	370	--	<10	8.4	2.3	.20	162	64	--
MAR										
16...	396	375	--	E8.0	14	3.7	.30	54	21	--
APR										
22...	347	322	--	E9.2	12	5.3	2.2	86	49	59
MAY										
20...	346	315	--	<10	7.0	4.3	1.6	289	87	80
JUN										
23...	323	293	--	E5.2	4.7	6.9	1.9	295	86	75
JUL										
20...	344	330	--	<10	4.5	5.8	1.4	421	94	88
AUG										
17...	365	343	48	<10	<3.0	3.6	--	461	141	94
SEP										
22...	368	369	28	<10	E2.1	3.5	.80	341	101	85

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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										
26...	1430	1190	95	9.3	8.5	651	8.9	270	40	41
NOV										
16...	1400	1000	105	10.7	8.5	645	5.3	270	43	40
DEC										
14...	1530	E724	99	11.7	8.5	670	.2	300	53	41
JAN										
20...	1500	E558	96	11.1	8.5	660	.8	290	56	35
FEB										
16...	1110	E481	100	11.7	8.1	597	.5	260	61	25
MAR										
22...	1520	E351	112	11.4	8.2	673	5.4	270	64	28
APR										
25...	1410	180	136	11.7	8.5	540	12.0	230	55	22
MAY										
17...	1510	194	109	9.3	8.3	654	12.8	270	63	27
JUN										
13...	1650	1430	103	7.9	8.2	724	17.5	300	45	45
JUL										
19...	1430	1430	100	7.1	8.5	730	22.0	300	40	49
AUG										
24...	1600	1160	103	7.3	8.4	720	22.0	280	30	49
SEP										
19...	1430	280	119	9.2	8.6	700	17.5	290	40	45

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
26...	3.2	.9	34	223	267	2	40	.14	9.2	65
NOV										
16...	3.3	.9	34	234	271	7	38	.16	8.8	62
DEC										
14...	3.0	.9	37	242	286	4	41	.18	10	64
JAN										
20...	2.8	.8	32	237	285	2	35	.18	9.3	70
FEB										
16...	2.0	.7	27	215	258	2	31	.12	8.2	60
MAR										
22...	2.3	.9	34	232	277	3	41	.12	8.4	79
APR										
25...	1.7	.7	25	198	229	6	29	<.10	8.6	57
MAY										
17...	2.4	.9	33	225	274	--	41	.17	11	65
JUN										
13...	3.7	1	40	255	311	--	45	.20	12	68
JUL										
19...	4.3	1	42	257	304	5	48	.25	12	69
AUG										
24...	4.5	1	40	245	298	1	47	.18	11	71
SEP										
19...	4.0	1	38	243	286	5	43	.18	10	71

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
26...	<.020	.22	.37	<.050	<.010	<.006	<.010	.077	.52	1230
NOV										
16...	<.020	.15	.23	.095	<.010	.008	<.010	.022	.51	1020
DEC										
14...	<.020	.21	.19	.154	<.010	E.003	<.010	.033	.55	E790
JAN										
20...	.022	.16	.26	.163	<.010	E.004	<.010	.024	.54	E594
FEB										
16...	.021	.10	.19	.280	<.010	E.004	<.010	.022	.47	E446
MAR										
22...	.033	.26	.43	.181	<.010	.007	<.010	.052	.56	E387
APR										
25...	<.020	.27	.48	.145	<.010	.010	<.010	.071	.46	163
MAY										
17...	<.020	.45	.71	.072	<.010	.012	<.010	.092	.56	216
JUN										
13...	<.020	.31	.50	<.050	<.010	.008	<.010	.137	.58	1660
JUL										
19...	<.020	.34	.57	<.050	<.010	.007	<.010	.095	.60	1700
AUG										
24...	<.020	.23	.50	<.050	<.010	E.004	<.010	.102	.58	1330
SEP										
19...	<.020	.21	.37	<.050	<.010	<.006	<.010	.045	.54	298

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDIMENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
26...	383	366	27	<10	2.2	3.1	.80	315	98	84
NOV										
16...	378	370	7.5	<10	2.6	2.5	.40	157	58	61
DEC										
14...	404	394	9.8	<10	7.0	2.5	.30	E160	82	84
JAN										
20...	395	385	4.2	E5.4	16	2.7	.40	--	--	--
FEB										
16...	344	345	5.0	E5.1	12	2.0	.40	E73	56	84
MAR										
22...	409	397	9.5	E6.3	30	3.2	.91	E68	72	91
APR										
25...	335	317	2.3	<10	15	4.2	1.1	13	27	90
MAY										
17...	413	378	28	E9.9	28	6.7	1.5	35	67	96
JUN										
13...	429	411	41	<10	3.3	4.9	.90	645	167	87
JUL										
19...	441	419	34	<10	<3.2	4.8	.24	270	70	95
AUG										
24...	424	400	.70	<10	<2.2	3.8	.87	251	80	96
SEP										
19...	394	398	20	<10	E2.3	3.2	.48	29	39	97

DATE	TIME	ALUMINUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTIMONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYLLIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT									
26...	1430	V5.3	<1.0	E2	59	<1.0	<1.0	<.80	<1.0

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT								
26...	1.2	<1.0	1.4	<1.0	<2	<1.0	V5.9	1.4

10068500 BEAR RIVER AT PESCADERO, ID--Continued
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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.7	9.1	9.9	7.0	5.9	6.4	2.7	2.0	2.4	.5	.1	.3
2	10.3	8.7	9.6	6.5	5.3	5.9	2.0	1.0	1.3	.6	.1	.4
3	10.8	9.1	10.0	6.2	4.8	5.5	1.2	.0	.5	.5	.3	.3
4	11.0	9.1	10.2	6.8	5.3	6.0	.2	.0	.1	.3	.3	.3
5	11.4	9.8	10.6	7.1	5.7	6.4	.2	.0	.1	.5	.3	.3
6	11.3	10.2	10.8	7.0	5.6	6.3	1.0	.0	.5	.5	.3	.3
7	10.6	9.3	10.0	6.2	5.3	5.9	1.6	.7	1.1	.3	.3	.3
8	11.1	9.3	10.3	6.8	5.7	6.3	.8	.2	.3	.3	.3	.3
9	11.6	9.9	10.8	6.8	5.6	6.2	.2	.1	.2	.5	.3	.3
10	12.1	10.3	11.3	6.2	5.1	5.8	.6	.1	.2	.5	.3	.3
11	12.2	10.7	11.5	6.5	5.3	5.9	.4	.1	.2	.4	.2	.3
12	12.1	10.5	11.4	6.7	5.3	6.0	1.0	.1	.5	.5	.2	.2
13	12.1	10.3	11.2	6.5	5.4	6.0	.9	.1	.6	.4	.2	.2
14	11.4	10.2	11.0	6.1	5.0	5.6	.2	.1	.1	.4	.2	.2
15	11.1	9.2	10.2	5.7	4.6	5.3	.2	.1	.1	.5	.2	.2
16	9.2	7.5	8.1	5.6	4.5	5.1	.4	.1	.2	.5	.2	.3
17	7.8	6.5	7.2	5.4	4.6	5.1	1.4	.2	.8	.5	.2	.3
18	7.5	6.4	7.0	5.1	4.0	4.6	1.2	.7	.9	.5	.2	.3
19	7.6	6.1	7.0	4.0	3.1	3.5	.7	.2	.4	1.0	.5	.7
20	7.8	6.2	7.1	3.4	3.1	3.2	.6	.2	.3	1.0	.4	.6
21	8.2	6.5	7.4	3.1	2.4	2.7	.6	.1	.2	1.3	.5	.9
22	8.7	6.8	7.8	2.4	1.3	1.8	.4	.1	.2	.9	.2	.6
23	8.8	7.5	8.2	1.3	.4	.8	.2	.1	.2	.6	.2	.4
24	9.1	7.6	8.4	.9	.1	.5	.1	.1	.1	1.0	.2	.6
25	9.3	7.9	8.6	2.0	.9	1.5	.5	.1	.2	1.5	.4	.9
26	9.3	7.8	8.6	3.6	2.0	2.9	.6	.1	.3	1.8	.8	1.3
27	9.6	8.1	8.8	3.8	3.0	3.4	.3	.1	.2	.8	.2	.5
28	8.9	7.8	8.4	3.3	2.4	2.9	.3	.1	.2	.7	.2	.3
29	7.8	6.2	7.0	3.1	2.0	2.7	.3	.1	.2	.5	.2	.3
30	6.8	5.3	6.1	3.1	2.5	2.8	.3	.1	.2	.5	.2	.3
31	7.1	5.3	6.2	---	---	---	.5	.1	.2	.4	.2	.2
MONTH	12.2	5.3	9.1	7.1	.1	4.4	2.7	.0	.4	1.8	.1	.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.4	.2	.2	4.2	2.3	3.1	7.8	3.9	5.9	15.8	11.0	13.4
2	.5	.2	.3	3.9	2.6	3.1	7.6	4.7	6.0	16.1	12.8	14.4
3	.4	.1	.2	3.6	2.3	2.8	7.8	4.4	6.2	17.6	13.1	15.2
4	.4	.1	.2	3.9	2.3	3.0	10.4	5.3	7.8	17.2	13.1	15.4
5	.4	.1	.2	3.3	2.5	2.9	11.3	7.6	9.5	15.2	11.7	13.7
6	.4	.1	.2	3.6	2.4	2.8	10.1	7.8	8.7	13.2	11.0	12.1
7	.4	.1	.2	3.9	2.2	3.0	8.8	6.0	7.6	13.4	12.3	12.8
8	.6	.1	.2	3.6	2.7	3.1	9.7	6.0	8.1	12.8	11.8	12.3
9	.4	.1	.2	3.0	2.3	2.8	9.7	8.2	9.1	12.9	12.0	12.4
10	.6	.1	.2	3.3	2.2	2.7	11.1	8.0	9.7	12.2	10.2	11.5
11	.4	.1	.2	2.7	1.5	2.3	12.8	9.0	10.8	10.2	8.9	9.4
12	.4	.1	.2	3.3	1.1	2.1	13.1	9.9	11.6	9.5	8.3	8.9
13	.6	.1	.3	4.4	1.6	2.9	12.8	10.2	11.5	11.8	8.7	10.1
14	1.2	.3	.7	4.4	2.7	3.4	11.4	9.6	10.2	14.4	10.4	12.3
15	1.4	.5	.9	4.1	2.5	3.2	10.8	8.1	9.5	16.5	12.6	14.4
16	.9	.3	.6	4.3	2.1	3.2	10.3	8.6	9.5	15.7	13.6	14.7
17	1.1	.3	.6	4.9	3.3	4.0	10.9	8.4	9.7	13.9	11.3	12.5
18	1.2	.1	.6	4.9	2.1	3.6	10.5	9.3	9.9	14.6	11.2	12.9
19	1.2	.1	.5	4.4	2.2	3.5	9.3	8.1	8.7	16.5	12.7	14.6
20	.9	.1	.5	2.4	.3	1.5	10.6	6.6	8.7	17.6	14.1	15.9
21	1.5	.1	.8	4.1	.5	2.4	12.9	8.6	10.9	17.1	15.5	16.2
22	3.1	.9	2.0	6.0	1.6	3.8	12.7	10.7	11.8	17.9	16.0	16.9
23	2.8	1.7	2.3	5.7	2.9	4.4	12.7	10.7	11.7	18.6	16.2	17.4
24	2.3	.7	1.6	6.1	2.7	4.4	12.6	9.5	11.1	18.2	17.0	17.7
25	1.1	.5	.7	7.5	3.3	5.4	12.3	9.5	11.0	18.0	16.8	17.2
26	1.4	.3	.8	9.2	5.4	7.3	14.3	10.4	12.4	16.9	15.9	16.3
27	2.3	.4	1.4	9.3	6.1	7.6	15.7	11.5	13.8	17.1	15.2	16.2
28	3.3	1.5	2.2	8.5	6.2	7.6	16.2	12.9	14.5	18.4	16.5	17.3
29	3.4	2.0	2.6	7.3	5.0	6.1	13.1	10.5	11.9	19.1	17.6	18.2
30	---	---	---	7.5	4.7	5.9	13.4	9.1	11.5	18.6	17.4	18.1
31	---	---	---	7.5	4.4	5.9	---	---	---	18.3	16.6	17.3
MONTH	3.4	.1	.7	9.3	.3	3.9	16.2	3.9	10.0	19.1	8.3	14.4

10068500 BEAR RIVER AT PESCADERO, ID--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.4	15.7	16.6	21.6	19.6	20.6	25.3	23.4	24.5	18.9	17.8	18.2
2	18.4	16.5	17.4	22.0	19.5	20.8	25.0	23.4	24.2	17.9	16.6	17.1
3	19.7	17.6	18.5	21.9	19.7	20.8	24.5	23.1	23.8	16.9	15.3	16.2
4	20.0	18.1	18.9	21.2	18.9	20.1	24.1	22.4	23.3	17.2	16.2	16.7
5	20.5	18.9	19.6	21.2	18.6	20.0	23.6	22.1	23.0	18.0	16.6	17.2
6	20.7	19.4	19.9	21.0	18.4	20.0	23.4	21.4	22.5	16.6	14.7	15.6
7	20.8	19.4	20.1	21.9	19.3	20.6	23.2	21.4	22.4	16.9	14.6	15.7
8	20.8	19.5	20.1	21.9	19.6	20.8	23.9	21.5	22.7	17.1	15.3	16.3
9	19.9	18.4	18.8	22.8	20.2	21.5	24.0	22.4	23.3	16.8	15.7	16.2
10	18.8	17.4	18.0	22.0	20.8	21.2	24.4	22.5	23.4	16.5	14.7	15.7
11	18.6	17.0	17.8	22.0	19.7	20.8	24.2	22.4	23.2	17.1	15.5	16.3
12	18.4	17.6	18.0	23.3	20.3	21.7	23.7	21.7	22.8	17.8	15.7	16.7
13	18.1	17.3	17.7	23.5	21.0	22.3	23.5	21.4	22.5	18.3	16.5	17.5
14	18.1	16.8	17.4	23.3	21.0	22.3	23.3	21.3	22.4	19.1	16.7	17.9
15	18.2	17.1	17.8	23.6	21.6	22.7	23.6	21.3	22.5	19.6	16.5	18.1
16	18.0	16.5	17.2	23.2	21.9	22.6	23.8	22.0	22.9	19.2	16.5	18.0
17	17.6	16.3	17.0	23.7	21.9	22.8	23.0	21.3	22.1	18.8	16.9	17.8
18	17.6	16.3	17.0	22.7	21.1	22.0	22.2	21.0	21.6	17.7	15.3	16.7
19	17.4	16.5	16.9	22.4	20.4	21.5	22.0	20.3	21.2	17.5	15.3	16.6
20	17.6	15.9	16.7	22.6	20.4	21.5	22.0	19.7	20.9	16.7	14.4	15.4
21	18.9	16.5	17.6	22.7	20.4	21.6	21.6	19.6	20.7	15.8	13.7	14.9
22	20.5	17.8	19.0	23.2	20.6	21.9	21.1	19.5	20.4	15.0	11.9	13.0
23	21.3	18.7	20.0	23.3	21.0	22.2	21.6	19.6	20.6	11.9	9.8	10.5
24	21.3	19.4	20.4	23.2	21.0	22.2	22.2	19.6	20.9	10.4	8.7	9.6
25	21.2	19.4	20.4	23.5	21.0	22.3	22.2	20.6	21.5	11.5	9.0	10.3
26	21.4	19.5	20.5	23.7	21.7	22.8	22.0	20.6	21.0	11.8	9.0	10.6
27	21.3	19.5	20.5	23.7	21.8	22.8	21.1	19.5	20.3	12.4	9.0	10.8
28	21.4	19.2	20.4	23.8	21.8	22.9	21.3	19.5	20.4	13.6	10.7	12.3
29	21.6	19.2	20.5	24.0	21.8	23.0	21.3	19.4	20.4	14.4	11.8	13.2
30	21.6	19.3	20.7	24.8	22.3	23.5	21.0	20.0	20.4	14.2	12.1	13.4
31	---	---	---	25.0	22.9	24.0	20.2	18.9	19.4	---	---	---
MONTH	21.6	15.7	18.7	25.0	18.4	21.8	25.3	18.9	22.0	19.6	8.7	15.1

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec. 29, T. 9 S., R. 42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi².

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above sea level, from topographic map. May 25 to October 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--47 years, 729 ft³/s, 528,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft³/s, Jun 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum discharge, 41 ft³/s, Nov 16, 1979.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	1290	e897	e801	e472	e466	586	309	1090	1360	1210	952
2	679	1270	e876	e794	e477	462	463	359	1170	1360	1100	868
3	880	1270	e876	e801	e462	454	434	297	1020	1350	1060	686
4	935	1270	e869	e794	e467	440	458	278	585	1320	1060	569
5	970	1280	e876	e794	e457	436	464	271	585	1300	1050	504
6	997	1270	e876	e794	e472	443	392	271	613	1310	1030	469
7	1010	1170	e862	e788	e462	439	344	477	734	1350	1040	465
8	977	1120	e876	e717	e467	435	319	613	818	1380	1080	460
9	942	1120	e814	e655	e477	432	319	625	1030	1380	1140	471
10	958	1110	e794	e673	e462	428	315	625	1220	1380	1160	471
11	944	1100	e788	e655	e462	439	323	619	1300	1380	1160	467
12	945	1100	e794	e643	e457	435	366	568	1310	1400	1150	447
13	954	1110	e808	e637	e457	432	366	529	1330	1460	1150	453
14	955	1100	e814	e643	e452	433	375	414	1370	1510	1150	415
15	941	1080	e814	e637	e447	439	393	368	1460	1530	1140	315
16	928	1080	e801	e643	e443	445	375	360	1520	1530	1150	296
17	936	1090	e788	e614	e443	436	366	351	1540	1520	1100	300
18	944	1060	e788	e631	e443	452	357	346	1570	1390	1030	305
19	938	997	e801	e608	e443	459	353	376	1590	1310	1030	297
20	939	e925	e794	e563	e443	460	336	403	1590	1330	1020	294
21	933	e918	e781	e472	e447	446	332	470	1580	1350	1010	291
22	977	e904	e781	e472	e447	447	328	588	1580	1330	1000	261
23	1050	e897	e788	e472	e447	457	341	706	1630	1340	1030	273
24	1080	e883	e788	e467	e459	462	345	1280	1620	1350	1050	288
25	1120	e890	e788	e472	e450	468	333	1370	1570	1290	1050	285
26	1180	e883	e788	e472	e446	504	329	1480	1470	1210	1070	285
27	1210	e918	e794	e467	e447	569	305	1420	1460	1240	1070	285
28	1270	e911	e788	e467	e464	656	289	1200	1450	1280	1050	286
29	1300	e904	e788	e467	e465	668	289	1150	1390	1280	1020	302
30	1290	e897	e781	e467	---	650	282	1140	1360	1290	1010	306
31	1290	---	e794	e472	---	638	---	1110	---	1270	973	---
TOTAL	30997	31817	25265	19052	13237	14830	10877	20373	38555	42080	33343	12366
MEAN	1000	1061	815	615	456	478	363	657	1285	1357	1076	412
MAX	1300	1290	897	801	477	668	586	1480	1630	1530	1210	952
MIN	525	883	781	467	443	428	282	271	585	1210	973	261
AC-FT	61480	63110	50110	37790	26260	29420	21570	40410	76470	83470	66140	24530

CAL YR 1999 TOTAL 406441 MEAN 1114 MAX 1670 MIN 486 AC-FT 806200
WTR YR 2000 TOTAL 292792 MEAN 800 MAX 1630 MIN 261 AC-FT 580800

e Estimated

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, PacifiCorp datum.

PERIOD OF RECORD.--October 1924 to current year. Prior to 1986, published in reports of the Bear River Commission.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,560 acre-ft May 31, elevation, 5719.91 ft; minimum contents, 10,960 acre-ft Oct 11, elevation 5,716.14.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11380	12340	12530	12270	12450	13260	12500	13060	14460	14070	14420	13980
2	11660	12340	12480	12460	12450	13250	12300	13100	14480	14010	14210	14220
3	11660	12470	12380	12530	12520	13230	11910	13200	14470	13870	14080	14270
4	11510	12470	12080	12430	12570	13230	11830	13230	13770	13700	13900	13960
5	11470	12450	11970	12330	12530	13140	11800	13220	13620	13490	13740	13520
6	11470	12450	12000	12270	12560	13290	11760	13210	13520	13250	13520	13350
7	11530	12420	12260	12020	12600	13370	11560	12800	13240	13090	13320	13300
8	11480	12540	12310	12000	12650	13440	11270	12830	12540	12960	13190	13290
9	11320	12620	12080	12330	12720	13540	11270	13010	12040	12850	13110	13280
10	11150	12740	11850	12610	12820	13610	11300	13040	11910	12740	13190	13300
11	10960	12720	12060	12520	12950	13610	11310	13070	12000	12740	13280	13330
12	11830	12660	12300	12400	13130	13550	11360	13040	12170	12660	13320	13340
13	12580	12600	12540	12440	13380	13460	11450	13040	12210	12630	13320	13320
14	12810	12570	12330	12290	13380	13320	11540	13040	11940	12700	13340	13320
15	12850	12570	11770	12200	13500	13170	11660	12590	11900	12860	13380	13210
16	12850	12560	12130	12260	13520	13040	12030	12520	11940	13040	13420	12940
17	12850	12530	12510	12530	13570	12930	12340	12430	11950	13250	13690	12870
18	12860	12490	12590	12830	13590	12740	12620	12420	11980	13390	13860	12850
19	12880	12410	12500	13240	13530	12450	12870	12400	12070	13290	14000	12820
20	13300	12400	12340	13450	13400	12220	13120	12400	12130	13170	14080	12770
21	13300	12380	12190	13410	13250	11890	13340	12340	12380	13220	14140	12740
22	13320	12320	11830	13130	13240	11880	13550	12250	12690	13470	14030	12400
23	12910	12270	11910	12740	13250	11880	13720	11910	13070	13710	13820	12390
24	12610	12160	11930	12720	13230	11890	13940	12010	13520	13970	13740	12490
25	12380	12260	11930	12770	13210	11890	14130	12170	13770	14190	13660	12590
26	12240	12400	12120	12890	13180	11930	14220	12850	13880	14290	13540	12740
27	12130	12540	12250	12950	13170	12070	14340	13620	14020	14330	13480	12860
28	12110	12600	12280	12890	13200	12200	14390	14070	14110	14420	13420	12960
29	12210	12600	12250	12580	13200	12340	14140	14290	14150	14440	13320	12960
30	12240	12560	12300	12500	---	12560	13590	14430	14140	14460	13420	13180
31	12300	---	12290	12450	---	12560	---	14560	---	14470	13690	---
MAX	13320	12740	12590	13450	13590	13610	14390	14560	14480	14470	14420	14270
MIN	10960	12160	11770	12000	12450	11880	11270	11910	11900	12630	13110	12390
(#)	5717.64	5717.92	5717.63	5717.80	5718.58	5717.91	5718.97	5719.91	5719.51	5719.82	5719.07	5718.56
(*)	1170	260	-270	160	750	-640	1030	970	-420	330	-780	-510

CAL YR 1999.....(*) -1050
WTR YR 2000.....(*) 2050

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

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft 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 PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--88 years, 811 ft^3/s, 587,600 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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	495	1360	1010	828	564	661	743	427	1060	1420	1400	883
2	695	1270	1010	865	557	661	743	338	1090	1430	1280	885
3	1100	1370	1010	876	557	661	617	338	1110	1440	1280	895
4	1090	1370	920	878	557	661	566	338	757	1450	1280	888
5	1070	1370	850	880	557	661	573	339	626	1450	1280	735
6	1090	1370	852	864	557	661	580	513	749	1420	1280	611
7	1140	1200	916	788	557	661	581	607	1010	1440	1250	554
8	1180	1120	993	731	557	654	444	607	1220	1490	1240	549
9	1190	1130	1000	741	564	693	382	645	1210	1500	1240	550
10	1180	1180	904	819	564	709	382	668	1210	1470	1230	552
11	713	1220	852	855	564	709	382	668	1200	1490	1270	553
12	590	1210	862	857	571	709	388	637	1250	1490	1270	554
13	894	1180	965	850	608	709	388	645	1420	1510	1270	556
14	1020	1160	1010	852	631	709	389	645	1430	1500	1280	557
15	1020	1160	781	854	631	709	278	514	1420	1530	1280	559
16	1020	1160	758	856	631	701	248	461	1520	1540	1130	464
17	1010	1160	935	857	661	701	248	417	1510	1530	1060	415
18	1010	1170	1010	868	669	701	253	417	1520	1510	1070	416
19	737	1070	1020	897	661	701	253	426	1530	1500	1070	417
20	1020	1020	1030	906	661	693	253	468	1420	1370	1070	418
21	1020	1030	1020	915	661	615	258	590	1360	1310	1150	525
22	1270	990	890	915	661	564	259	726	1340	1260	1200	446
23	1370	973	812	741	661	564	259	930	1340	1260	1190	306
24	1370	928	814	661	661	564	264	1140	1360	1270	1180	308
25	1360	903	816	661	661	564	305	1190	1360	1270	1240	309
26	1360	914	818	661	661	565	305	1000	1370	1270	1240	310
27	1360	943	820	661	661	609	294	1010	1380	1270	1240	311
28	1350	992	821	669	661	662	366	1010	1400	1330	1190	317
29	1360	1010	823	608	661	624	659	1010	1410	1360	1080	318
30	1360	1020	825	564	---	718	659	1000	1410	1360	990	365
31	1350	---	827	564	---	743	---	1060	---	1390	917	---
TOTAL	33794	33953	27974	24542	17828	20517	12319	20784	37992	43830	37147	15526
MEAN	1090	1132	902	792	615	662	411	670	1266	1414	1198	518
MAX	1370	1370	1030	915	669	743	743	1190	1530	1540	1400	895
MIN	495	903	758	564	557	564	248	338	626	1260	917	306
AC-FT	67030	67350	55490	48680	35360	40700	24430	41230	75360	86940	73680	30800

CAL YR 1999 TOTAL 442833 MEAN 1213 MAX 1680 MIN 473 AC-FT 878400
WTR YR 2000 TOTAL 326206 MEAN 891 MAX 1540 MIN 248 AC-FT 647000

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.

DRAINAGE AREA.--4110 mi^2.

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 PacifiCorp.

GAGE.--Water-stage recorder. Elevation of gage is 5,550 ft above sea level, from topographic map.

REMARKS.--Records fair.

COOPERATION.--Records collected by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft^3/s, Jun 10, 1986, gage height, 6.77 ft; minimum, 0.74 ft^3/s, Feb 2, 1986.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	322	4.5	5.4	3.2	2.3	76	7.7	74	65	59	42
2	41	289	4.2	5.0	3.0	2.4	74	8.2	72	65	55	40
3	5.1	299	3.8	3.7	2.7	2.5	36	7.3	72	66	56	40
4	6.3	309	4.1	3.1	2.7	2.6	7.1	6.9	59	64	53	29
5	8.4	314	2.9	2.6	2.7	2.7	4.5	27	56	69	57	21
6	5.7	319	6.1	7.1	2.5	2.8	13	49	58	71	55	17
7	21	178	3.4	11	2.3	3.0	9.4	53	65	65	55	19
8	75	91	4.9	9.9	2.3	3.6	5.3	53	70	70	53	19
9	67	89	5.2	5.4	2.5	12	3.4	50	61	74	51	17
10	76	120	3.2	10	3.0	31	9.2	51	67	79	52	17
11	20	166	3.2	4.6	3.3	25	42	54	69	73	50	17
12	12	166	2.7	3.1	3.6	27	42	54	77	70	55	17
13	9.2	150	2.9	2.9	3.6	31	37	47	69	72	54	17
14	6.0	126	3.4	3.4	3.6	30	32	50	67	73	51	21
15	5.3	126	2.6	3.1	3.6	36	177	50	81	69	51	21
16	5.7	124	2.5	3.4	3.6	29	276	51	97	69	49	19
17	5.4	123	2.3	3.7	3.6	33	271	52	90	72	47	18
18	7.3	123	2.1	5.7	3.9	27	275	55	90	72	47	19
19	4.7	53	2.1	6.1	3.6	26	274	55	105	69	46	21
20	4.1	28	2.4	12	3.6	26	269	47	91	63	44	19
21	4.1	14	2.4	17	3.6	14	273	52	67	63	42	19
22	115	9.4	2.6	7.7	3.6	4.2	273	55	79	68	36	16
23	343	13	3.0	4.0	3.6	4.4	273	55	70	62	49	14
24	318	6.7	4.1	1.9	4.1	4.6	269	53	68	55	46	17
25	309	6.7	2.9	1.8	4.2	4.1	301	55	72	56	39	19
26	300	7.4	3.2	1.8	4.1	4.2	310	57	73	61	43	19
27	291	4.7	3.7	1.8	3.6	4.4	301	74	73	57	38	21
28	301	4.7	4.2	1.9	3.5	3.6	82	89	72	52	40	17
29	311	5.3	5.2	2.7	2.6	3.0	11	91	76	53	42	18
30	312	4.6	5.5	3.8	---	22	8.6	84	66	54	40	16
31	312	---	5.5	3.5	---	76	---	96	---	57	40	---
TOTAL	3318.3	3591.5	110.8	159.1	95.8	499.4	4034.5	1589.1	2206	2028	1495	626
MEAN	107	120	3.57	5.13	3.30	16.1	134	51.3	73.5	65.4	48.2	20.9
MAX	343	322	6.1	17	4.2	76	310	96	105	79	59	42
MIN	4.1	4.6	2.1	1.8	2.3	2.3	3.4	6.9	56	52	36	14
AC-FT	6580	7120	220	316	190	991	8000	3150	4380	4020	2970	1240

CAL YR 1999 TOTAL 65213.8 MEAN 179 MAX 1040 MIN 2.1 AC-FT 129400
WTR YR 2000 TOTAL 19753.5 MEAN 54.0 MAX 343 MIN 1.8 AC-FT 39180

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.--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, PacifiCorp datum.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10100	10600	10670	10120	10250	10250	10670	10600	10580	10300	10500	10500
2	10220	10620	10520	10080	10260	10180	10520	10470	10550	10280	10550	10400
3	10690	10700	10430	10250	10160	10220	10650	10470	10640	10450	10450	10480
4	10570	10580	10550	10100	10250	10300	10480	10480	10580	10380	10480	10500
5	10670	10330	10390	10500	10220	10380	10400	10300	10470	10500	10700	10500
6	10580	10450	10260	10370	10250	10280	10600	10180	10280	10180	10500	10450
7	10200	10480	10330	10100	10160	10220	10620	10100	9980	10260	10740	10500
8	8928	10450	10400	9997	10150	10280	10470	10130	9914	10420	10500	10500
9	8065	10580	10400	10150	10230	10260	10330	10120	10150	10430	10350	10430
10	8154	10540	10380	10150	10310	10310	10500	10180	10310	10400	10420	10180
11	8034	10540	10250	10550	10220	10220	10480	10400	10350	10300	10470	10230
12	8065	10230	10080	10310	10260	10260	10480	10600	10310	10250	10400	10310
13	8192	10380	10120	10250	10260	10260	10520	10650	10220	10120	10690	10380
14	9270	10370	10260	10330	10300	10310	10620	10650	10220	10060	10640	10350
15	10010	10580	10280	10330	10330	10230	10250	10580	10050	10220	10570	10400
16	10290	10480	10130	10310	10300	10220	10550	10500	9668	10370	10670	10470
17	10440	10720	10220	10300	10330	10230	10120	10310	9685	10420	10500	10370
18	10350	10500	10350	10260	10350	10420	10180	10100	9668	10500	10500	10280
19	10350	10540	10540	10370	10350	10400	10430	9914	9732	10570	10450	10230
20	9980	10520	10690	10280	10220	10330	10470	9832	9966	10700	10520	10380
21	10310	10420	9997	10400	10300	10300	10450	9637	10050	10640	10640	10480
22	10750	10600	9832	10150	10130	10570	10300	9569	10130	10640	10670	10500
23	10600	10570	9949	10220	10280	10620	10180	9569	10280	10470	10580	10480
24	10640	10450	10330	10100	10310	10550	9997	9784	10380	10470	10600	10400
25	10600	10420	10220	10050	10310	10620	10220	10180	10350	10540	10540	10400
26	10570	10450	10250	10480	10300	10650	10470	10600	10640	10430	10430	10310
27	10550	10480	10230	10200	10260	10650	10520	10550	10540	10400	10370	10380
28	10600	10570	10230	10260	10160	10700	10580	10670	10520	10400	10650	10430
29	10600	10690	10010	10370	10250	10520	10640	10550	10500	10500	10650	10450
30	10580	10500	10120	10060	---	10450	10540	10620	10580	10330	10540	10480
31	10620	---	9980	10280	---	10690	---	10600	---	10550	10500	---
MAX	10750	10720	10690	10550	10350	10700	10670	10670	10640	10700	10740	10500
MIN	8034	10230	9832	9997	10130	10180	9997	9569	9668	10060	10350	10180
(#)	4882.17	4881.83	4880.34	4881.21	4881.11	4882.36	4881.93	4882.12	4882.07	4881.98	4881.83	4881.78
(*)	+610	-120	-520	+300	-30	+440	-150	+60	-20	-30	-50	-20

CAL YR 1999.....(*) -450
WTR YR 2000.....(*) +470

(#) 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 PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--79 years, 891 ft^3/s, 645,500 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, Jun 13, 1978.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	525	1530	1130	897	694	749	1140	961	896	868	1190	902
2	525	1530	1440	968	670	870	860	646	922	757	1130	937
3	847	1490	1230	1050	716	797	998	545	710	988	966	836
4	1180	1540	1230	900	647	767	1050	663	801	835	905	795
5	1220	1540	1210	977	683	814	869	594	543	1110	1100	1030
6	1320	1540	1080	1180	744	962	770	680	556	1390	1070	701
7	1840	1550	1070	1120	729	897	993	769	659	1190	1040	605
8	2010	1380	1170	1000	660	786	950	789	702	822	1250	523
9	1590	1320	1220	770	637	942	796	777	726	843	1090	762
10	1350	1390	1260	947	778	835	616	709	776	1390	940	590
11	1360	1560	1220	610	648	1010	716	619	864	1330	1090	501
12	531	939	1190	1450	713	901	702	617	1010	1280	815	502
13	362	1770	1030	842	760	902	704	792	1120	1300	804	544
14	568	1190	1120	994	813	903	798	816	1200	1270	1210	550
15	860	1300	1200	1030	867	986	841	717	1350	861	1100	538
16	882	1340	1030	1040	815	877	678	695	1360	915	1080	544
17	1420	1350	971	1040	805	939	986	679	1240	1180	1080	545
18	1200	1430	1080	1010	822	723	414	619	1200	1130	867	511
19	1180	1340	1120	1090	925	964	494	575	1160	1160	841	369
20	1120	1340	1270	1070	855	999	620	505	1070	1180	817	313
21	1030	1220	1720	1130	894	743	650	509	1050	1200	937	467
22	1050	1160	1150	1160	815	678	767	530	1020	901	989	585
23	1530	1300	795	1000	800	612	805	588	971	895	1170	509
24	1540	1110	961	961	854	836	554	659	771	971	1070	390
25	1560	1150	1040	788	860	713	401	697	987	1040	1160	376
26	1560	1120	938	627	893	770	466	747	699	1110	1020	392
27	1560	1130	1020	1010	819	803	576	813	1140	1070	1060	331
28	1540	1130	1070	671	950	906	589	843	1050	1070	983	342
29	1580	1350	1120	810	939	1120	755	841	1020	749	1270	361
30	1530	1130	936	811	---	904	974	915	1020	1110	871	369
31	1540	---	1100	540	---	862	---	898	---	1060	1100	---
TOTAL	37910	40169	35121	29493	22805	26570	22532	21807	28593	32975	32015	16720
MEAN	1223	1339	1133	951	786	857	751	703	953	1064	1033	557
MAX	2010	1770	1720	1450	950	1120	1140	961	1360	1390	1270	1030
MIN	362	939	795	540	637	612	401	505	543	749	804	313
AC-FT	75190	79680	69660	58500	45230	52700	44690	43250	56710	65410	63500	33160

CAL YR 1999 TOTAL 486666 MEAN 1333 MAX 2100 MIN 211 AC-FT 965300
WTR YR 2000 TOTAL 346710 MEAN 947 MAX 2010 MIN 313 AC-FT 687700

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NE$^1/_4$ NW$^1/_4$NE$^1/_4$ 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.

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 September 10, 1982 at datum 2.00 ft higher. September 10, 1982 to September 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, Jun 14, 1984, gage height, 9.20 ft; minimum daily discharge, 48 ft^3/s, May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,390 ft^3/s, Nov 12, gage height, 14.74 ft; minimum discharge, 189 ft^3/s, Aug 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	618	1570	1230	946	864	1030	1070	832	726	1000	881	e720
2	613	1580	1440	1170	809	1090	1220	755	726	859	868	e725
3	605	1490	1420	1070	895	985	956	534	609	733	842	e715
4	1260	1680	1260	1260	765	938	1100	451	e663	907	812	e725
5	1170	1670	1150	946	863	941	1060	590	e483	742	657	e733
6	1290	1500	1240	979	805	1110	851	452	317	1080	952	789
7	1560	1610	1160	1060	929	1060	914	626	420	800	729	554
8	2100	1540	1220	1200	824	995	1090	724	e448	715	969	514
9	1880	1390	1330	991	783	1070	941	681	465	826	1000	496
10	1350	1420	1360	1030	798	1070	706	693	499	910	720	694
11	1420	1440	1330	906	941	1150	776	641	578	968	718	451
12	1110	1710	1310	1260	854	1080	768	624	643	920	819	418
13	482	1310	1210	1200	921	1060	766	699	840	966	544	437
14	473	1510	1160	1090	982	1060	776	786	867	877	808	467
15	925	1280	1180	1140	1070	1120	952	740	1000	768	838	440
16	872	1510	1310	1190	1040	1060	861	659	1150	717	735	443
17	1250	1310	1090	1180	974	1050	1010	655	977	850	801	457
18	1350	1550	1200	1180	1000	916	744	621	971	771	685	455
19	1210	1420	1260	1200	1000	1060	545	579	971	808	686	413
20	1210	1420	1260	1290	1090	1130	640	457	844	751	593	283
21	1120	1400	1810	1180	976	1100	628	457	823	832	527	285
22	980	1210	1510	1410	1200	710	720	445	794	743	654	518
23	1470	1300	1140	1180	932	854	757	497	741	837	805	535
24	1550	1360	904	1150	1040	901	775	530	723	755	767	414
25	1580	1240	994	1070	1040	860	424	656	803	671	828	353
26	1580	1230	891	773	1030	875	416	674	585	793	e880	408
27	1580	1230	1020	1120	1050	925	533	812	862	744	e729	310
28	1590	1230	1000	955	1140	956	547	718	775	741	e700	315
29	1610	1240	1000	880	1010	1210	566	939	736	702	e705	322
30	1570	1450	817	1120	---	1060	912	710	741	973	e700	343
31	1570	---	886	702	---	829	---	741	---	686	e725	---
TOTAL	38948	42800	37092	33828	27625	31255	24024	19978	21780	25445	23677	14732
MEAN	1256	1427	1197	1091	953	1008	801	644	726	821	764	491
MAX	2100	1710	1810	1410	1200	1210	1220	939	1150	1080	1000	789
MIN	473	1210	817	702	765	710	416	445	317	671	527	283
AC-FT	77250	84890	73570	67100	54790	61990	47650	39630	43200	50470	46960	29220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	993	1057	1069	1048	1053	1255	1479	1619	1451	1067	972	984
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	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	523652		341184			
ANNUAL MEAN	1435		932		1171	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	2580	May 4	2100	Oct 8	4830	Jun 21 1983
LOWEST DAILY MEAN	473	Oct 14	283	Sep 20	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	872	Sep 28	352	Sep 24	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	1039000		676700		848100	
10 PERCENT EXCEEDS	2190		1390		2280	
50 PERCENT EXCEEDS	1310		902		955	
90 PERCENT EXCEEDS	990		517		339	

e Estimated

10102200 CUB RIVER NEAR RICHMOND, UT

LOCATION.--Lat 41°56'37", long 111°50'14", in NE$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 21, T. 14 S., R. 1E., Cache County, on left bank 10 ft downstream from highway bridge, 2 mi northwest of Richmond, and 10 mi upstream from mouth.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1962 to September 1963, October 1, 1998 to September 30, 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,440 ft above sea level, from topographic map. Prior to October 1, 1998, water-stage recorder at site approximately 2 mi downstream at different datum.

REMARKS.--Records good except for estmated daily discharges, which are fair. Natural flow of stream affected by diversions for irrigation and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded discharge, 971 ft^3/s, May 27 and 31, 1999, gage height 8.77 ft; minimum daily, 5.0 ft^3/s, Aug 31, 1963, site and gage then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 398 ft^3/s, May 27; minimum daily discharge, 5.6 ft^3/s, Jul 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	33	41	28	41	104	118	265	186	18	16	59
2	61	35	41	30	42	95	120	239	143	14	16	24
3	61	34	e42	30	40	91	118	243	105	15	11	20
4	60	33	e33	30	39	90	116	282	86	19	8.4	19
5	59	33	e33	31	37	95	164	310	74	19	14	25
6	55	32	e32	29	37	103	189	321	73	15	15	21
7	55	31	34	26	36	104	160	299	56	12	20	18
8	58	31	32	33	37	100	138	300	50	12	17	19
9	57	30	e29	32	38	106	142	281	47	20	16	18
10	56	31	35	32	45	116	147	248	45	24	12	15
11	56	32	e33	33	50	117	149	244	40	27	9.1	14
12	57	31	34	34	68	109	160	220	35	26	10	13
13	52	31	36	33	89	104	176	189	31	26	15	12
14	43	32	e33	33	112	103	210	177	27	26	16	18
15	37	31	e33	32	137	106	280	175	24	27	18	12
16	34	32	37	36	94	100	279	194	20	27	19	9.2
17	33	32	34	42	86	101	251	208	18	25	17	9.1
18	35	34	34	43	78	100	241	195	25	26	16	10
19	38	33	34	56	70	101	279	183	24	29	14	13
20	41	34	34	55	65	113	266	183	23	22	11	16
21	42	37	34	56	64	110	243	239	23	13	11	16
22	40	37	33	56	89	107	248	284	21	5.6	9.1	17
23	39	e39	27	48	114	99	278	329	24	8.5	13	20
24	38	e35	26	45	105	102	290	360	22	9.8	12	23
25	37	37	29	52	102	86	254	367	19	17	13	22
26	43	38	e29	70	92	86	231	369	24	21	21	20
27	e39	39	30	59	92	111	215	382	26	19	24	21
28	40	39	29	49	115	163	245	366	23	17	23	23
29	41	40	27	49	121	187	288	344	20	14	21	23
30	36	39	e28	43	---	152	291	317	17	14	36	19
31	33	---	26	44	---	127	---	251	---	15	50	---
TOTAL	1441	1025	1012	1269	2135	3388	6286	8364	1351	582.9	523.6	568.3
MEAN	46.5	34.2	32.6	40.9	73.6	109	210	270	45.0	18.8	16.9	18.9
MAX	65	40	42	70	137	187	291	382	186	29	50	59
MIN	33	30	26	26	36	86	116	175	17	5.6	8.4	9.1
AC-FT	2860	2030	2010	2520	4230	6720	12470	16590	2680	1160	1040	1130

e Estimated

10102200 CUB RIVER NEAR RICHMOND, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1959, 1967-68, October 1, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1, 1998 to September 30, 2000.
WATER TEMPERATURE: October 1, 1998 to September 30, 2000.

INSTRUMENTATION.--Conductivity/temperature data logger.

REMARKS.--Records good for temperature and conductivity except for the period, May 23 to June 23, which is fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 752 microsiemens, Feb 12, 1999; minimum, 255 microsiemens, Apr 20, 1999.
WATER TEMPERATURE: Maximum, 26.7°C, Jul 28, 2000; minimum, 0.0°C, on several days during the winter period.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 671 microsiemens, Aug 6; minimum, 260 microsiemens, May 23, 24.
WATER TEMPERATURE: Maximum, 26.7°C, Jul 28; minimum, 0.0°C, Dec 26, 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
28...	1300	ENVIRONMENTAL	46	97	9.2	8.5	493	10.0	220	54
NOV										
24...	1000	ENVIRONMENTAL	38	93	9.8	8.2	557	6.1	260	61
DEC										
21...	1120	ENVIRONMENTAL	41	103	12.7	8.2	523	.9	240	60
JAN										
20...	1100	FIELD BLANK	--	--	--	--	--	--	--	E.010
20...	1105	FIELD BLANK	--	--	--	--	--	--	--	--
20...	1150	ENVIRONMENTAL	65	99	11.2	8.3	647	3.4	270	61
FEB										
25...	1120	ENVIRONMENTAL	122	101	11.1	8.4	700	4.2	270	58
MAR										
24...	1100	ENVIRONMENTAL	301	98	10.3	8.3	296	6.5	140	37
APR										
14...	1120	ENVIRONMENTAL	236	--	9.9	8.4	329	7.7	150	39
28...	1230	ENVIRONMENTAL	405	102	9.7	8.3	285	9.6	140	37
MAY										
13...	1140	ENVIRONMENTAL	356	96	9.4	8.4	351	9.0	160	44
25...	1040	ENVIRONMENTAL	960	97	9.1	8.2	285	11.2	150	44
JUN										
08...	1140	ENVIRONMENTAL	845	98	9.4	8.3	300	9.9	150	43
24...	1100	ENVIRONMENTAL	425	95	8.9	8.2	300	11.2	150	44
JUL										
13...	1040	ENVIRONMENTAL	40	121	9.6	8.0	545	19.6	230	56
29...	1120	ENVIRONMENTAL	49	125	9.3	8.2	495	22.1	220	51
AUG										
10...	1240	ENVIRONMENTAL	34	147	11.3	8.2	512	20.0	230	53
SEP										
01...	1310	ENVIRONMENTAL	56	119	9.6	8.3	515	17.5	230	54
17...	1000	ENVIRONMENTAL	65	88	9.0	8.3	350	14.5	200	51

10102200 CUB RIVER NEAR RICHMOND, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
28...	21	4.1	.5	17	232	283	--	16	.24	13	9.8
NOV											
24...	26	4.3	.6	21	255	303	4	20	.25	14	11
DEC											
21...	23	3.5	.4	16	245	299	--	17	.23	14	9.8
JAN											
20...	E.002	<.10	--	<.060	--	--	--	<.10	<.10	<.050	<.10
20...	--	--	--	--	--	--	--	--	--	--	--
20...	28	8.0	.8	29	280	342	--	30	.31	16	20
FEB											
25...	31	9.9	1	42	275	328	3	41	.26	16	27
MAR											
24...	11	2.1	.3	8.4	134	163	--	8.7	.14	10	6.2
APR											
14...	13	3.0	.4	9.9	149	177	2	9.7	.13	9.5	6.5
28...	10	1.4	.2	6.3	140	171	--	5.5	<.10	8.1	3.9
MAY											
13...	13	2.2	.3	9.4	169	206	3	8.1	.12	8.7	6.5
25...	.7	1.3	.1	3.9	155	189	--	3.7	<.10	6.1	3.4
JUN											
08...	10	1.5	.2	5.5	148	181	--	5.4	<.10	6.2	4.2
24...	10	1.2	.2	4.4	171	209	--	3.7	.11	6.1	2.5
JUL											
13...	23	4.7	.6	21	257	314	--	21	.12	12	12
29...	22	5.4	.5	18	216	264	--	18	.21	12	8.4
AUG											
10...	23	5.3	.6	20	236	288	0	19	.19	12	10
SEP											
01...	24	6.3	.6	20	236	288	0	19	.21	14	11
17...	19	3.4	.4	12	199	243	--	9.8	.17	11	6.8

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
28...	.031	.24	.42	1.30	.021	.056	.059	.143	.40	36.3
NOV										
24...	.033	.18	.46	1.83	.020	E.040	.058	.107	.45	33.3
DEC										
21...	.088	.24	.18	1.84	.010	E.030	.037	.070	.42	34.0
JAN										
20...	.029	<.10	<.10	<.050	<.010	<.004	<.010	<.004	--	--
20...	--	--	--	--	--	--	--	--	--	--
20...	.304	.78	1.1	2.14	.026	.133	.120	.236	.53	68.7
FEB										
25...	.249	.81	1.3	3.26	.036	.204	.195	.370	.58	140
MAR										
24...	.057	.23	.84	.815	<.010	.038	.029	.388	.24	143
APR										
14...	.213	.40	1.1	.738	<.010	.035	.037	.239	.26	123
28...	.058	.18	.60	.461	<.010	.024	.028	.204	.23	185
MAY										
13...	.051	.21	.54	.662	.010	.034	.026	.184	.30	211
25...	.050	.21	.76	.297	<.010	.029	.027	.351	.23	435
JUN										
08...	.027	.17	.28	.340	<.010	.031	.034	.132	.24	402
24...	<.020	.14	.26	.248	<.010	.027	.028	.107	.25	211
JUL										
13...	<.020	.28	.47	1.16	.021	.075	.060	.159	.41	32.7
29...	<.020	.34	.66	1.13	.026	.121	.099	.243	.39	37.7
AUG										
10...	<.020	.29	.47	1.37	.025	.135	.112	.180	.40	27.0
SEP										
01...	.180	.37	.66	1.17	.032	.125	.112	.218	.41	45.6
17...	<.020	.15	.43	.690	.019	.049	.041	.168	.32	41.7

10102200 CUB RIVER NEAR RICHMOND, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
28...	295	281	--	<10	13	2.0	1.1	8.5	69	--
NOV										
24...	329	318	--	E5.4	25	1.9	1.2	7.3	72	--
DEC										
21...	307	298	--	<10	22	1.5	.80	11	101	--
JAN										
20...	<10	--	--	<10	<3.0	--	--	--	--	--
20...	--	--	--	--	--	.20	.20	--	--	--
20...	390	371	--	E9.4	50	4.5	1.1	15	83	--
FEB										
25...	424	404	--	E9.4	44	5.4	1.5	40	122	--
MAR										
24...	176	167	--	17	16	2.8	3.0	139	172	--
APR										
14...	193	183	--	E5.7	19	3.2	2.2	85	134	85
28...	169	159	--	<10	11	2.4	1.7	154	141	82
MAY										
13...	219	200	--	<10	13	2.2	2.1	124	128	86
25...	168	167	--	<10	9.8	1.9	3.3	1080	416	59
JUN										
08...	176	166	--	<10	9.4	1.7	1.1	234	102	66
24...	184	176	--	<10	15	1.6	1.5	85	74	82
JUL										
13...	304	309	16	<10	19	3.8	.90	3.7	34	99
29...	287	269	13	<10	8.6	3.4	1.0	7.1	54	96
AUG										
10...	294	290	9.9	<10	6.2	3.2	.60	2.4	26	97
SEP										
01...	303	296	20	<10	13	3.7	1.7	11	71	94
17...	238	236	6.9	<10	6.3	2.3	2.0	16	93	83

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
19...	1240	ENVIRONMENTAL	35	130	14.0	8.2	490	5.9	220	53
NOV										
23...	1240	ENVIRONMENTAL	36	136	15.3	8.2	510	4.1	240	58
DEC										
20...	1240	ENVIRONMENTAL	36	133	15.1	8.6	500	3.4	240	56
JAN										
26...	1210	ENVIRONMENTAL	74	121	13.2	8.5	601	4.8	260	59
FEB										
28...	1430	ENVIRONMENTAL	113	100	10.7	8.4	577	5.3	240	54
MAR										
23...	1030	ENVIRONMENTAL	98	115	11.7	8.4	479	7.4	200	46
APR										
19...	1350	ENVIRONMENTAL	291	100	10.2	8.1	298	7.0	130	34
MAY										
23...	1320	ENVIRONMENTAL	318	110	10.0	7.9	270	12.5	130	38
JUN										
14...	1245	ENVIRONMENTAL	29	148	11.7	8.2	520	19.2	230	54
JUL										
20...	1100	ENVIRONMENTAL	21	118	9.0	8.3	615	20.7	250	53
AUG										
17...	1200	ENVIRONMENTAL	15	138	10.2	7.9	630	22.5	240	49
30...	0900	ENVIRONMENTAL	19	--	--	8.0	512	18.9	210	45
30...	1310	ENVIRONMENTAL	30	100	7.9	7.8	500	18.9	200	42
30...	1311	REPLICATE	30	100	7.9	7.8	500	18.9	200	42
30...	1820	ENVIRONMENTAL	44	97	7.7	8.2	501	18.5	200	43
SEP										
14...	1130	FIELD BLANK	--	--	--	--	--	--	--	--
14...	1150	ENVIRONMENTAL	19	150	12.1	8.3	510	18.0	210	46
14...	1151	REPLICATE	--	--	--	--	--	--	--	--

10102200 CUB RIVER NEAR RICHMOND, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
19...	22	3.8	.5	16	230	280	--	15	.21	14	9.4
NOV											
23...	23	4.3	.5	18	239	291	--	18	.25	14	9.6
DEC											
20...	23	3.9	.5	19	236	279	4	18	.27	14	10
JAN											
26...	27	6.4	.7	26	263	313	4	26	.31	16	20
FEB											
28...	25	7.0	.8	29	243	292	2	29	.23	14	22
MAR											
23...	20	4.3	.6	21	214	248	6	22	.15	11	15
APR											
19...	10	1.9	.3	8.4	146	178	--	8.5	<.10	8.9	5.4
MAY											
23...	8.7	.92	.1	3.1	131	160	--	3.0	.11	5.5	2.4
JUN											
14...	23	4.1	.6	21	236	288	--	22	.19	10	13
JUL											
20...	29	7.1	.9	32	249	304	--	32	.26	13	27
AUG											
17...	29	6.2	.9	32	244	298	--	32	.21	12	28
30...	24	7.0	.7	24	221	270	--	21	.25	11	17
30...	23	6.8	.7	23	213	260	--	22	.15	11	17
30...	23	6.8	.8	24	191	233	--	21	.23	11	17
30...	23	6.4	.7	23	215	262	--	--	--	--	--
SEP											
14...	--	--	--	--	--	--	--	--	--	--	--
14...	24	6.1	.7	22	231	282	--	19	.23	11	<.31
14...	--	--	--	--	--	--	--	--	--	--	--

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
19...	.073	.31	.41	1.40	.027	.037	.031	.069	.38	26.5
NOV										
23...	<.020	.23	.31	1.38	.026	.043	.050	.068	.41	29.6
DEC										
20...	.094	.36	.33	1.73	.020	.050	.044	.066	.41	28.8
JAN										
26...	.256	.60	.90	1.78	.025	.099	.072	.181	.48	70.3
FEB										
28...	.205	.67	1.0	2.22	.027	.111	.088	.275	.47	106
MAR										
23...	.074	.36	.63	1.41	.020	.056	.044	.161	.37	71.2
APR										
19...	.117	.40	.87	.575	.011	.064	.049	.285	.23	134
MAY										
23...	<.020	E.10	.34	.224	<.010	.017	.020	.128	.21	131
JUN										
14...	<.020	.30	.49	1.03	.016	.059	.040	.108	.40	23.3
JUL										
20...	<.020	.47	.69	1.40	.035	.137	.116	.207	.49	20.0
AUG										
17...	<.020	.35	.90	1.04	.016	.119	.062	.199	.49	14.7
30...	.037	.42	1.2	.698	.013	.092	.064	.319	.41	15.5
30...	.022	.41	1.0	.764	.014	.095	.063	.343	.39	23.3
30...	.027	.40	1.0	.760	.015	.096	.062	.345	.39	23.4
30...	.041	.41	1.3	.775	.015	.090	.060	.403	--	--
SEP										
14...	--	--	--	--	--	--	--	--	--	--
14...	<.020	.30	.69	.633	.013	.032	.021	.136	--	--
14...	--	--	--	--	--	--	--	--	--	--

10102200 CUB RIVER NEAR RICHMOND, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	TUR- BID- ITY (NTU) (00076)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
19...	282	278	3.4	E6.7	9.9	2.4	.40	6.0	64	--
NOV										
23...	302	295	1.7	12	14	2.1	.40	4.3	44	28
DEC										
20...	300	294	2.0	E8.2	19	2.1	.30	3.7	39	28
JAN										
26...	353	346	20	E8.9	44	4.2	1.2	7.0	35	91
FEB										
28...	347	336	44	<10	39	4.4	1.7	32	105	94
MAR										
23...	270	274	27	<10	29	3.2	2.0	15	57	97
APR										
19...	170	169	7.4	E5.7	16	3.2	3.5	143	182	92
MAY										
23...	153	142	32	<10	10	1.4	1.1	85	99	90
JUN										
14...	297	292	6.7	<10	20	3.6	.62	6.0	76	100
JUL										
20...	360	350	25	<10	12	4.2	1.4	2.4	43	92
AUG										
17...	360	340	33	<10	14	3.5	1.6	6.4	156	98
30...	303	285	54	<10	E1.7	3.8	--	--	--	--
30...	289	275	68	<10	10	4.0	--	--	--	--
30...	290	264	68	<10	10	4.0	--	--	--	--
30...	--	--	110	<10	12	3.7	--	--	--	--
SEP										
14...	--	--	--	--	--	--	<.20	--	--	--
14...	288	--	20	<10	7.1	3.3	1.4	1.9	37	97
14...	--	--	--	--	--	3.0	--	--	--	--

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)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT									
19...	1240	V11	<1.0	3	50	<1.0	<1.0	<.80	<1.0

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)
OCT								
19...	<1.0	<1.0	1.0	<1.0	<2	<1.0	V2.3	1.0

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	368	348	361	535	506	523	513	499	508	569	559	564
2	371	359	365	538	502	524	526	502	508	562	552	557
3	375	366	369	549	499	524	523	504	513	553	541	548
4	383	370	375	541	499	524	539	518	527	544	535	540
5	389	377	381	537	498	522	556	526	539	541	531	537
6	393	383	387	539	499	522	578	537	554	546	536	541
7	401	387	393	532	501	520	560	524	545	551	533	544
8	407	390	398	536	497	520	554	527	539	557	533	545
9	410	405	408	532	507	523	549	538	545	557	533	541
10	411	401	406	530	500	519	555	540	547	554	524	536
11	414	409	412	533	502	520	550	540	545	542	533	538
12	422	402	409	535	517	524	542	534	538	548	536	542
13	427	409	417	537	519	525	538	531	534	558	542	550
14	449	425	434	535	512	523	538	530	534	566	544	556
15	475	448	467	536	516	525	541	530	537	556	540	548
16	487	475	482	531	506	522	565	516	537	547	536	543
17	502	483	492	532	514	526	544	493	521	547	537	542
18	507	483	497	542	522	528	531	504	521	553	547	550
19	511	481	494	541	522	532	531	497	521	573	551	560
20	520	491	504	542	520	534	543	507	526	581	568	574
21	518	492	505	536	517	529	540	516	529	593	581	585
22	521	493	507	535	510	526	539	496	522	597	588	593
23	519	495	508	544	514	528	545	524	536	606	590	602
24	518	494	507	561	537	551	552	537	546	608	592	602
25	520	492	507	568	529	545	563	550	557	611	594	602
26	529	498	515	539	522	533	571	563	567	619	608	613
27	530	479	518	529	522	525	573	564	569	612	603	607
28	533	515	524	531	521	526	570	556	564	609	595	602
29	533	505	521	525	508	518	567	558	562	608	589	599
30	530	497	518	516	501	510	566	559	562	603	580	593
31	533	494	517	---	---	---	569	563	566	603	573	588
MONTH	533	348	455	568	497	526	578	493	539	619	524	566

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	595	573	583	625	587	607	397	384	391	286	272	277
2	589	575	581	603	567	583	394	383	388	286	276	281
3	583	575	579	583	548	565	392	380	386	283	276	279
4	587	569	580	572	536	553	397	380	390	278	268	273
5	585	569	579	555	518	535	381	333	357	268	262	264
6	587	568	579	529	488	506	355	329	342	273	262	267
7	585	564	575	510	488	497	376	351	365	274	269	272
8	580	559	572	505	483	490	367	349	354	273	270	271
9	580	568	574	515	481	496	360	343	351	286	270	279
10	577	566	572	544	507	520	354	341	345	292	284	289
11	575	563	571	576	532	555	349	335	340	304	292	297
12	572	559	563	583	557	569	344	330	335	304	294	299
13	587	569	577	576	540	558	354	344	347	311	300	306
14	588	563	580	571	541	549	354	333	346	315	302	309
15	563	521	535	556	518	531	333	311	323	315	304	310
16	571	530	558	536	505	518	329	317	324	312	295	301
17	586	565	574	526	503	512	332	320	326	295	289	292
18	599	582	591	504	489	496	340	321	332	301	289	296
19	612	599	606	510	499	504	333	298	314	302	290	297
20	628	608	619	505	478	491	---	---	---	305	293	299
21	633	612	622	511	491	497	---	---	---	305	272	281
22	618	592	611	525	497	506	---	---	---	273	264	268
23	592	543	560	511	482	496	---	---	---	266	260	263
24	561	543	550	502	465	479	---	---	---	267	260	264
25	563	540	548	491	472	479	---	---	---	278	265	270
26	574	547	563	495	472	484	---	---	---	282	270	275
27	582	557	570	478	420	447	305	297	301	278	269	274
28	609	570	588	421	358	394	304	296	300	278	273	276
29	626	567	602	358	345	350	296	278	284	274	270	272
30	---	---	---	384	355	365	312	275	281	290	270	276
31	---	---	---	395	381	386	---	---	---	304	285	293
MONTH	633	521	578	625	345	501	---	---	---	315	260	283

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	323	303	310	637	514	588	602	559	577	532	501	511
2	335	319	328	605	559	586	603	590	598	548	532	540
3	347	335	343	579	542	559	595	572	584	548	540	545
4	360	341	345	584	530	552	618	564	587	540	531	535
5	371	360	368	531	497	513	664	618	638	535	523	531
6	377	362	368	548	518	529	671	642	658	566	501	519
7	380	369	376	570	534	552	645	555	595	536	497	520
8	408	380	389	603	542	573	568	543	559	523	487	508
9	421	401	408	628	583	603	602	550	583	524	489	509
10	434	419	424	632	579	608	598	560	576	535	483	511
11	453	434	444	619	591	609	587	550	564	527	504	515
12	461	453	457	610	598	602	553	533	543	529	497	512
13	470	461	466	614	599	607	574	550	563	533	488	516
14	487	466	472	657	610	629	579	561	570	542	495	512
15	476	467	472	641	602	626	608	576	592	520	497	506
16	483	474	480	636	590	612	608	585	600	506	489	499
17	491	483	487	624	597	610	620	604	611	507	489	498
18	491	485	488	606	582	592	634	605	619	505	495	501
19	492	481	489	588	566	574	652	631	640	506	496	501
20	486	478	482	615	577	596	651	582	633	509	499	505
21	494	481	486	592	571	583	582	555	570	514	505	511
22	524	494	509	590	565	576	565	549	556	512	504	508
23	573	524	543	621	586	602	574	561	567	511	504	507
24	631	517	555	626	598	617	598	574	584	509	498	505
25	570	508	534	627	575	604	614	597	604	506	485	501
26	531	463	496	624	567	591	603	582	589	499	480	494
27	554	492	517	596	574	586	594	585	588	499	479	492
28	595	519	553	603	577	594	589	581	586	492	471	484
29	563	521	536	611	577	597	581	545	558	482	469	476
30	589	533	552	600	558	572	545	490	519	485	472	480
31	---	---	---	563	547	555	506	487	497	---	---	---
MONTH	631	303	456	657	497	587	671	487	584	566	469	508

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.2	9.7	11.3	8.4	5.3	6.8	4.5	3.3	3.9	2.3	.3	1.1
2	12.5	9.3	10.8	8.5	4.9	6.4	3.3	2.3	2.8	2.4	.8	1.4
3	12.6	8.8	10.6	8.2	4.6	6.2	3.1	1.0	2.1	2.3	.7	1.4
4	12.8	8.8	10.7	8.6	4.8	6.5	2.3	.1	.9	2.6	1.2	1.6
5	13.1	9.3	11.1	8.8	5.1	6.7	2.0	.0	.9	2.9	.7	1.6
6	12.4	9.7	11.0	8.9	5.1	6.7	2.2	.4	1.4	2.5	.3	1.1
7	13.0	9.4	11.0	7.7	5.3	6.5	3.2	1.4	2.2	2.3	.1	1.1
8	13.2	9.6	11.3	9.3	6.7	7.7	2.9	.4	1.5	1.8	1.1	1.4
9	13.6	9.9	11.6	9.4	6.2	7.7	2.6	.5	1.5	2.5	1.1	1.7
10	13.9	10.2	11.9	8.7	5.6	7.0	3.1	1.3	2.1	2.9	1.5	2.1
11	13.6	10.4	12.0	8.7	5.4	6.8	2.3	.6	1.6	2.9	2.0	2.3
12	13.7	10.4	11.9	8.5	5.2	6.6	2.8	1.7	2.1	3.0	.9	1.8
13	13.5	10.2	11.8	7.9	4.6	6.0	2.2	1.2	1.7	3.1	.7	1.7
14	13.1	9.6	11.2	7.2	3.9	5.4	2.6	.3	1.3	2.9	1.0	1.9
15	12.7	9.3	10.8	6.7	3.3	4.9	2.2	.2	1.1	3.4	.9	2.1
16	11.0	7.2	9.0	6.5	3.5	4.8	2.6	1.4	2.0	3.8	2.1	2.7
17	9.7	5.9	7.7	6.4	3.7	4.9	3.7	1.8	2.5	2.8	1.8	2.3
18	9.4	5.4	7.3	7.0	4.9	5.5	2.7	1.5	2.1	2.8	1.7	2.2
19	9.7	5.3	7.3	5.8	3.5	4.6	3.4	1.5	2.3	3.2	1.2	2.2
20	9.9	5.6	7.6	5.7	4.3	4.9	3.9	2.0	2.6	3.1	1.0	1.9
21	10.1	5.7	7.8	5.0	4.4	4.7	3.5	1.6	2.3	3.1	1.6	2.3
22	10.1	5.8	7.8	5.5	3.6	4.4	3.4	1.3	2.0	4.2	2.3	3.0
23	9.9	5.6	7.6	4.1	1.9	2.9	2.3	.3	1.1	3.6	1.8	2.7
24	9.9	5.7	7.6	2.9	.9	1.9	2.2	.1	.9	4.0	2.4	3.1
25	10.0	5.8	7.7	2.9	1.7	2.4	2.0	.2	.8	4.2	3.5	3.8
26	9.7	5.8	7.7	4.9	2.9	3.9	2.1	.0	.8	4.8	3.0	3.8
27	10.3	6.6	8.2	5.9	4.6	5.1	2.1	.0	.9	4.0	2.3	3.1
28	8.4	7.4	7.9	5.7	3.6	4.6	2.0	.0	.8	3.1	1.2	2.1
29	9.1	6.8	7.8	5.3	3.2	4.1	1.9	.0	.7	2.8	.7	1.7
30	9.2	5.6	7.2	4.9	3.6	4.1	1.8	.0	.7	3.2	.3	1.4
31	9.2	5.4	7.1	---	---	---	1.6	.1	.7	2.3	.5	1.3
MONTH	13.9	5.3	9.4	9.4	.9	5.4	4.5	.0	1.6	4.8	.1	2.1

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.8	.3	1.6	7.0	5.0	5.9	9.5	5.8	7.6	12.5	10.0	11.3
2	3.9	.9	2.2	8.1	5.4	6.6	9.2	7.1	8.0	13.1	10.6	11.9
3	4.5	1.5	2.8	8.0	4.9	6.5	10.4	5.9	8.1	14.2	11.4	12.7
4	4.3	2.2	3.1	8.6	4.9	6.8	12.2	7.5	9.8	13.5	11.8	12.7
5	4.3	2.3	3.2	7.4	5.9	6.6	12.1	9.7	10.7	12.8	9.7	11.0
6	5.4	2.0	3.5	7.1	4.7	5.8	9.9	7.0	8.4	10.4	8.6	9.6
7	5.3	2.3	3.7	6.6	4.6	5.7	10.4	6.2	8.1	10.5	9.3	9.9
8	5.2	2.8	3.9	6.6	5.3	5.9	11.3	7.5	9.3	9.9	8.2	9.0
9	5.7	3.9	4.7	6.4	4.9	5.5	10.6	8.6	9.5	10.9	9.0	10.1
10	6.3	5.0	5.4	5.9	3.8	4.9	11.3	7.4	9.3	11.0	7.8	9.2
11	6.0	4.9	5.2	5.1	4.2	4.7	12.4	8.9	10.4	8.2	6.6	7.4
12	5.2	3.7	4.7	7.0	3.4	5.2	12.5	9.6	10.8	9.4	6.3	7.9
13	3.7	2.8	3.3	7.9	4.6	6.3	10.8	9.5	10.1	11.5	8.5	9.8
14	4.8	3.3	3.9	6.9	5.9	6.3	9.7	8.6	9.2	14.2	10.5	12.1
15	4.4	3.7	4.0	7.0	5.3	6.0	10.2	8.1	9.0	14.5	11.7	12.8
16	3.7	2.7	3.3	7.2	3.8	5.7	10.2	8.5	9.3	12.6	10.0	11.5
17	3.7	2.4	3.0	7.7	5.8	6.6	10.4	8.7	9.6	11.1	8.4	9.9
18	4.5	2.5	3.5	8.4	4.9	6.6	10.2	8.3	9.3	13.8	10.1	11.9
19	5.1	2.1	3.6	7.2	3.4	5.7	8.3	7.2	7.6	13.7	11.5	12.6
20	4.6	2.3	3.6	5.3	2.0	3.7	10.9	6.6	8.6	14.7	11.7	13.1
21	6.4	3.8	5.1	7.2	2.9	5.0	12.4	10.0	11.1	13.4	12.0	12.9
22	7.0	5.8	6.3	8.6	4.5	6.5	12.0	10.8	11.3	13.6	11.8	12.5
23	6.0	4.3	4.8	8.5	5.6	6.9	11.2	9.5	10.4	13.5	11.1	12.5
24	4.3	3.2	3.8	8.5	4.4	6.5	11.2	8.9	10.1	13.6	10.7	12.1
25	4.3	2.4	3.3	9.9	5.2	7.6	10.6	8.5	9.7	12.5	10.5	11.3
26	4.0	1.8	3.0	11.7	7.2	9.5	12.5	9.8	11.1	12.3	10.1	11.2
27	5.2	3.0	4.2	11.5	7.8	9.8	14.1	10.5	12.1	13.1	9.6	11.4
28	5.4	4.8	5.0	10.2	7.5	9.4	13.4	11.1	12.3	13.5	11.1	12.6
29	6.0	4.1	5.0	7.5	5.6	6.4	11.5	9.1	10.5	13.6	10.8	12.5
30	---	---	---	8.8	5.6	7.0	11.4	8.7	10.3	13.5	10.7	12.2
31	---	---	---	9.2	5.7	7.3	---	---	---	13.1	10.9	12.2
MONTH	7.0	.3	3.9	11.7	2.0	6.4	14.1	5.8	9.7	14.7	6.3	11.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.4	10.6	12.1	24.0	17.0	20.0	26.3	19.6	22.5	19.2	16.7	17.8
2	16.3	12.3	14.0	24.9	17.4	20.8	25.0	19.5	21.9	20.0	14.6	16.9
3	18.8	12.9	15.6	23.6	16.9	19.7	26.4	19.9	22.5	20.6	13.9	16.8
4	20.3	13.6	16.8	23.2	16.0	19.2	26.7	19.4	22.5	21.3	14.4	17.3
5	20.6	14.2	17.5	23.8	16.5	19.9	25.5	19.0	21.8	21.3	15.5	17.8
6	21.3	15.3	18.3	24.1	16.5	20.0	25.4	17.6	21.1	20.1	14.8	17.0
7	21.0	15.4	18.3	24.3	16.4	20.1	25.3	18.3	21.5	20.0	13.4	16.3
8	19.8	16.1	17.9	23.5	16.8	20.0	25.8	18.4	21.8	19.5	13.6	16.1
9	17.6	15.2	16.2	24.2	17.9	20.8	25.4	19.1	22.0	18.8	14.3	16.1
10	19.6	13.6	16.5	22.6	18.8	20.4	26.7	20.0	22.8	19.5	12.9	15.8
11	20.6	14.7	17.7	24.7	17.3	20.7	26.4	19.7	22.7	19.6	14.4	16.6
12	18.4	15.9	17.0	25.3	18.3	21.6	25.8	17.5	21.2	21.0	14.1	17.1
13	20.3	14.1	17.1	25.1	18.5	21.6	24.6	17.2	20.7	20.9	14.8	17.5
14	21.7	14.9	18.2	23.7	18.8	21.2	25.0	17.2	20.7	21.4	15.1	17.8
15	21.8	16.1	18.5	24.1	19.0	21.3	25.2	17.7	21.0	21.9	15.1	18.1
16	20.0	14.4	17.0	25.7	19.4	22.3	26.0	19.3	22.2	21.5	14.6	17.8
17	20.7	13.8	17.0	26.5	20.3	22.8	25.9	18.8	21.7	20.9	16.0	17.8
18	18.1	14.5	16.2	25.5	19.2	21.9	24.7	19.1	21.2	19.3	14.4	16.6
19	19.2	15.4	16.8	25.2	18.7	21.7	24.6	18.1	21.0	17.7	14.3	16.1
20	21.3	14.0	17.3	25.6	18.8	21.7	24.3	17.0	20.3	18.6	12.6	15.2
21	21.9	15.1	18.2	26.6	18.1	21.9	23.8	16.0	19.5	16.1	12.7	14.2
22	22.7	15.8	19.2	26.6	17.4	21.7	23.1	15.6	19.0	14.7	12.2	13.2
23	24.0	17.0	20.2	25.7	17.2	21.2	23.6	16.2	19.3	12.2	10.1	11.1
24	24.6	17.9	20.9	26.5	17.4	21.5	25.0	17.7	20.7	14.0	8.5	10.9
25	24.7	18.0	21.0	25.4	17.7	21.4	22.6	17.6	20.1	14.7	9.1	11.5
26	24.1	17.4	20.4	25.9	19.3	22.3	20.6	18.2	19.2	15.2	9.4	11.9
27	23.7	17.9	20.5	26.6	19.6	22.7	22.9	17.3	19.6	15.6	9.6	12.2
28	24.4	17.1	20.5	26.7	19.1	22.5	24.1	18.0	20.6	15.2	10.8	12.8
29	25.0	17.2	20.8	26.6	18.8	22.3	23.8	17.3	20.3	16.9	11.5	13.8
30	22.3	16.9	19.6	26.5	18.7	22.2	20.2	18.1	19.1	16.9	11.8	14.0
31	---	---	---	26.6	19.1	22.5	20.0	17.3	18.2	---	---	---
MONTH	25.0	10.6	17.9	26.7	16.0	21.3	26.7	15.6	20.9	21.9	8.5	15.5

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.--182 mi^2.

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 August 11, 1994, 50 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,250 ft^3/s, May 11, 1998, gage height, 10.23 ft, minimum daily discharge, 4.4 ft^3/s Feb 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 173 ft^3/s, Apr 4, gage height, 6.28 ft; minimum discharge, 12 ft^3/s, Jun 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

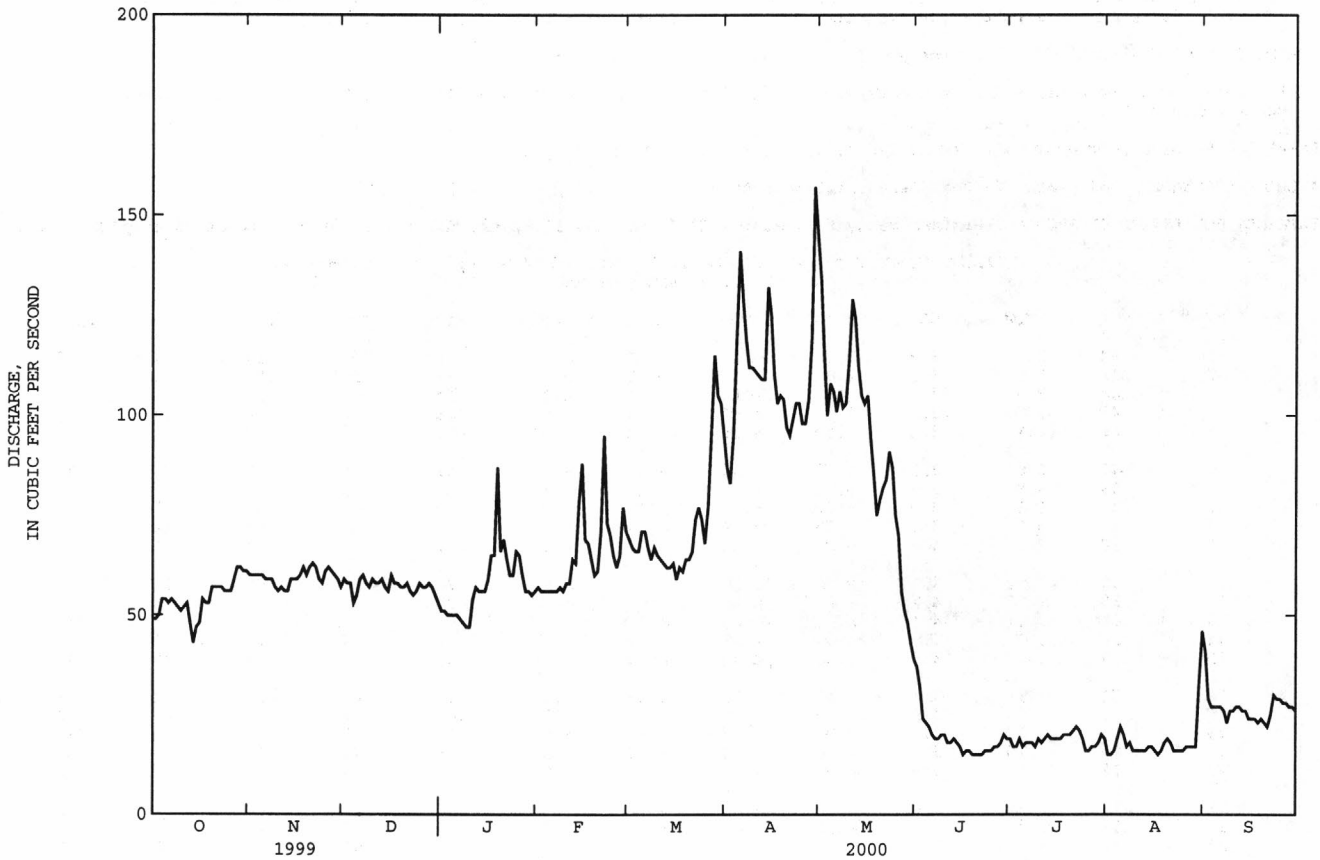
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	60	59	51	57	69	87	134	37	19	15	41
2	49	60	58	51	56	67	83	115	32	17	15	29
3	50	60	58	50	56	66	95	100	24	17	16	27
4	54	60	53	50	56	66	119	108	23	19	19	27
5	54	60	55	50	56	71	141	106	22	17	22	27
6	53	59	59	50	56	71	129	101	20	18	20	27
7	54	59	60	49	56	67	119	106	19	18	17	26
8	53	59	58	48	57	64	112	102	19	18	18	23
9	52	57	57	47	56	67	112	103	20	17	16	26
10	51	56	59	47	58	65	111	114	20	19	16	26
11	52	57	58	54	58	64	110	129	18	18	16	27
12	53	56	58	57	64	63	109	124	18	19	16	27
13	48	56	59	56	63	62	109	112	19	20	16	26
14	43	59	57	56	78	62	132	105	18	19	17	26
15	47	59	56	56	88	63	125	103	17	19	17	24
16	48	59	60	59	69	59	110	105	15	19	16	24
17	54	60	58	65	68	62	103	94	16	19	15	24
18	53	62	58	65	64	61	105	85	16	20	16	23
19	53	60	57	87	60	64	104	75	15	20	18	24
20	57	62	57	66	61	64	97	79	15	20	19	23
21	57	63	58	69	71	66	95	82	15	21	18	22
22	57	62	56	64	95	74	99	84	15	22	16	25
23	57	59	55	60	73	77	103	91	16	21	16	30
24	56	58	56	60	70	74	103	87	16	19	16	29
25	56	61	58	66	65	68	98	75	16	16	16	29
26	56	62	57	65	62	77	98	70	17	16	17	28
27	59	61	57	60	65	96	104	56	17	17	17	28
28	62	60	58	56	77	115	119	51	18	17	17	27
29	62	59	57	56	71	105	157	48	20	18	17	27
30	61	57	55	55	---	103	145	43	19	20	33	26
31	61	---	53	56	---	95	---	39	---	19	46	---
TOTAL	1671	1782	1774	1781	1886	2247	3333	2826	572	578	569	798
MEAN	53.9	59.4	57.2	57.5	65.0	72.5	111	91.2	19.1	18.6	18.4	26.6
MAX	62	63	60	87	95	115	157	134	37	22	46	41
MIN	43	56	53	47	56	59	83	39	15	16	15	22
AC-FT	3310	3530	3520	3530	3740	4460	6610	5610	1130	1150	1130	1580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2000, BY WATER YEAR (WY)

MEAN	51.3	52.1	50.6	55.5	59.6	126	247	382	179	42.9	36.1	42.8
MAX	114	124	88.8	118	92.5	186	360	626	337	89.3	95.3	95.5
(WY)	1999	1999	1997	1997	1999	1997	1998	1998	1998	1998	1998	1998
MIN	16.5	20.6	19.0	17.5	14.8	72.5	111	91.2	19.1	18.6	12.7	16.3
(WY)	1993	1993	1993	1993	1993	2000	2000	2000	2000	2000	1993	1993

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1993 - 2000	
ANNUAL TOTAL	45137		19817			
ANNUAL MEAN	124		54.1		111	
HIGHEST ANNUAL MEAN					172	1998
LOWEST ANNUAL MEAN					54.1	2000
HIGHEST DAILY MEAN	620	May 25	157	Apr 29	910	May 11 1998
LOWEST DAILY MEAN	37	Aug 17	15	Jun 16	4.4	Feb 10 1993
ANNUAL SEVEN-DAY MINIMUM	42	Aug 13	15	Jun 16	6.9	Feb 5 1993
ANNUAL RUNOFF (AC-FT)	89530		39310		80120	
10 PERCENT EXCEEDS	344		103		327	
50 PERCENT EXCEEDS	70		56		59	
90 PERCENT EXCEEDS	48		17		19	

10105900 LITTLE BEAR RIVER AT PARADISE, UT--Continued



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.--37 years, 22.3 ft^3/s, 16,140 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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	12	3.8	3.0	e.00	e.00	e.00	32	62	59	32	33
2	43	8.9	3.8	2.9	e.00	e.00	e.00	39	58	60	32	33
3	44	8.9	3.7	2.8	e.00	e.00	e.00	44	57	59	32	33
4	45	7.8	3.7	1.4	e.00	e.00	e.00	48	56	59	31	33
5	44	6.8	3.8	e.00	e.00	e.00	e.00	49	59	59	31	33
6	42	6.8	3.9	e.00	e.00	e.00	e.00	41	58	60	31	33
7	33	6.8	3.9	e.00	e.00	e.00	e.00	40	62	60	35	33
8	30	6.8	3.9	e.00	e.00	e.00	e.00	42	69	60	37	33
9	30	5.8	3.9	e.00	e.00	e.00	e.00	41	69	59	36	33
10	30	2.5	4.2	e.00	e.00	e.00	e.00	39	69	47	36	33
11	30	.72	4.1	e.00	e.00	e.00	e.00	33	66	40	35	33
12	30	.70	4.2	e.00	e.00	e.00	e.00	33	66	40	35	33
13	30	1.4	4.1	e.00	e.00	e.00	e.00	33	68	40	35	33
14	29	2.8	3.8	e.00	e.00	e.00	e.00	33	69	40	35	33
15	26	2.7	3.5	e.00	e.00	e.00	e.00	42	66	41	35	34
16	23	1.5	3.6	e.00	e.00	e.00	e.00	48	69	41	34	33
17	23	.70	3.7	e.00	e.00	e.00	e.00	49	70	40	35	33
18	20	.70	3.6	e.00	e.00	e.00	e.00	49	70	40	36	33
19	18	.70	3.5	e.00	e.00	e.00	e.00	49	70	40	35	28
20	18	1.9	3.5	e.00	e.00	e.00	e.00	49	70	40	35	26
21	18	3.3	3.5	e.00	e.00	e.00	e.00	50	63	41	35	26
22	18	3.3	3.3	e.00	e.00	e.00	e.00	54	59	41	35	26
23	18	3.3	3.3	e.00	e.00	e.00	e.00	57	61	41	36	26
24	18	3.3	3.3	e.00	e.00	e.00	e.00	57	64	40	35	26
25	18	3.3	3.3	e.00	e.00	e.00	e.00	58	64	40	35	26
26	18	3.5	3.2	e.00	e.00	e.00	e.00	59	64	40	35	26
27	18	3.5	3.0	e.00	e.00	e.00	e.00	58	63	37	35	26
28	18	3.5	3.0	e.00	e.00	e.00	e.00	57	61	33	35	26
29	18	3.6	3.0	e.00	e.00	e.00	e21	58	60	33	35	26
30	18	3.8	3.0	e.00	---	e.00	32	57	59	32	33	26
31	18	---	3.0	e.00	---	e.00	---	65	---	32	32	---
TOTAL	830	121.32	111.1	10.10	0.00	0.00	53.00	1463	1921	1394	1064	909
MEAN	26.8	4.04	3.58	.33	.000	.000	1.77	47.2	64.0	45.0	34.3	30.3
MAX	45	12	4.2	3.0	.00	.00	32	65	70	60	37	34
MIN	18	.70	3.0	.00	.00	.00	.00	32	56	32	31	26
AC-FT	1650	241	220	20	.00	.00	105	2900	3810	2760	2110	1800

CAL YR 1999 TOTAL 7795.02 MEAN 21.4 MAX 69 MIN .00 AC-FT 15460
WTR YR 2000 TOTAL 7876.52 MEAN 21.5 MAX 70 MIN .00 AC-FT 15620

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 September 3, 1938, water-stage recorder at present site at different datums.

REMARKS.--Records good. 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: 87 years (water years 1914-2000), 155 ft^3/s 112,300 acre-ft/yr. Combined river and canal: 103 years, 272 ft^3/s 197,100 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, 588 ft^3/s, May 26, gage height, 3.88 ft; minimum daily discharge, 95 ft^3/s, Sep 17, 18.
Combined river and canal: Maximum daily discharge, 621 ft^3/s, May 26; minimum daily discharge, 117 ft^3/s, Jan 30, Feb 29, Mar 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	161	164	135	119	117	143	314	453	176	127	112
2	155	164	162	135	119	118	147	341	420	172	127	108
3	152	163	163	134	120	118	151	363	405	168	125	106
4	147	162	156	134	121	118	166	402	400	164	126	105
5	147	163	154	134	119	122	198	419	389	159	124	103
6	148	163	158	129	118	122	202	411	377	155	123	103
7	154	162	159	127	118	121	183	415	361	152	118	102
8	153	162	157	132	118	120	182	406	348	151	116	102
9	155	162	152	131	118	122	196	370	336	148	116	101
10	154	165	156	132	121	119	198	361	309	156	116	100
11	154	165	151	133	121	118	202	347	293	159	115	99
12	154	164	152	131	128	118	207	321	284	154	114	98
13	154	164	156	129	124	118	219	304	285	151	112	98
14	154	163	153	129	130	120	258	296	268	149	111	97
15	156	162	145	129	131	120	257	294	264	148	110	96
16	158	163	153	132	126	119	241	312	260	147	110	96
17	159	165	152	131	126	121	232	300	243	146	109	95
18	161	166	150	131	122	119	231	310	234	144	109	95
19	161	162	148	142	119	124	231	318	228	141	108	100
20	161	166	146	132	118	124	217	e345	221	138	107	102
21	162	166	148	133	119	120	215	e400	219	136	106	102
22	162	165	146	130	122	120	229	e413	217	134	106	105
23	160	161	142	127	121	123	246	461	209	132	106	105
24	160	158	139	126	122	124	265	524	202	131	107	103
25	160	164	140	128	120	124	258	537	198	129	105	102
26	159	166	140	126	118	131	256	562	194	128	108	100
27	159	165	139	124	118	141	277	542	190	128	107	100
28	161	162	139	120	118	155	332	523	187	131	104	99
29	163	161	139	121	117	155	340	531	182	130	103	98
30	158	162	136	117	---	151	309	526	178	129	122	98
31	157	---	134	118	---	144	---	490	---	128	116	---
TOTAL	4852	4897	4629	4012	3511	3886	6788	12458	8354	4514	3513	3030
MEAN	157	163	149	129	121	125	226	402	278	146	113	101
MAX	163	166	164	142	131	155	340	562	453	176	127	112
MIN	147	158	134	117	117	117	143	294	178	128	103	95
AC-FT	9620	9710	9180	7960	6960	7710	13460	24710	16570	8950	6970	6010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

MEAN	143	135	120	113	111	139	258	583	696	342	188	153
MAX	247	213	186	161	205	369	615	1072	1413	691	337	267
(WY)	1984	1984	1984	1985	1986	1986	1986	1997	1986	1984	1983	1986
MIN	67.4	71.9	69.0	63.1	61.6	78.9	109	131	113	77.9	63.6	61.1
(WY)	1978	1993	1993	1993	1993	1991	1977	1977	1992	1992	1992	1992

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	120069		64444			
ANNUAL MEAN	329		176		249	
HIGHEST ANNUAL MEAN					440	1986
LOWEST ANNUAL MEAN					99.6	1992
HIGHEST DAILY MEAN	1430	May 30	562	May 26	1870	Jun 6 1986
LOWEST DAILY MEAN	119	Feb 2	95	Sep 17	55	Jan 21 1991
ANNUAL SEVEN-DAY MINIMUM	122	Jan 28	96	Sep 12	58	Sep 24 1992
ANNUAL RUNOFF (AC-FT)	238200		127800		180200	
10 PERCENT EXCEEDS	887		313		589	
50 PERCENT EXCEEDS	166		148		149	
90 PERCENT EXCEEDS	129		107		85	

e Estimated

LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT--Continued

10109001 COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	173	168	138	119	117	143	346	515	235	159	145
2	198	173	166	138	119	118	147	380	478	232	159	141
3	196	172	167	137	120	118	151	407	462	227	157	139
4	192	170	160	135	121	118	166	450	456	223	157	138
5	191	170	158	134	119	122	198	468	448	218	155	136
6	190	170	162	129	118	122	202	452	435	215	154	136
7	187	169	163	127	118	121	183	455	423	212	153	135
8	183	169	161	132	118	120	182	448	417	211	153	135
9	185	168	156	131	118	122	196	411	405	207	152	134
10	184	168	160	132	121	119	198	400	378	203	152	133
11	184	166	155	133	121	118	202	380	359	199	150	132
12	184	165	156	131	128	118	207	354	350	194	149	131
13	184	165	160	129	124	118	219	337	353	191	147	131
14	183	166	157	129	130	120	258	329	337	189	146	130
15	182	165	148	129	131	120	257	336	330	189	145	130
16	181	164	157	132	126	119	241	360	329	188	144	129
17	182	166	156	131	126	121	232	349	313	186	144	128
18	181	167	154	131	122	119	231	359	304	184	145	128
19	179	163	152	142	119	124	231	367	298	181	143	128
20	179	168	150	132	118	124	217	394	291	178	142	128
21	180	169	152	133	119	120	215	450	282	177	141	128
22	180	168	149	130	122	120	229	467	276	175	141	131
23	178	164	145	127	121	123	246	518	270	173	142	131
24	178	161	142	126	122	124	265	581	266	171	142	129
25	178	167	143	128	120	124	258	595	262	169	140	128
26	177	170	143	126	118	131	256	621	258	168	143	126
27	177	168	142	124	118	141	277	600	253	165	142	126
28	179	166	142	120	118	155	332	580	248	164	139	125
29	181	165	142	121	117	155	361	589	242	163	138	124
30	176	166	139	117	---	151	341	583	237	161	155	124
31	175	---	137	118	---	144	---	555	---	160	148	---
TOTAL	5682	5021	4742	4022	3511	3886	6841	13921	10275	5908	4577	3939
MEAN	183	167	153	130	121	125	228	449	342	191	148	131
MAX	198	173	168	142	131	155	361	621	515	235	159	145
MIN	175	161	137	117	117	117	143	329	237	160	138	124
AC-FT	11270	9960	9410	7980	6960	7710	13570	27610	20380	11720	9080	7810

CAL YR 1999 TOTAL 127861 MEAN 350 MAX 1470 MIN 122 AC-FT 253600
WTR YR 2000 TOTAL 72325 MEAN 198 MAX 621 MIN 117 AC-FT 143500

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, March 31, 2000 to September 30, 2000. 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 poor. A few small diversions for irrigation of about 200 acres above station. Flow is slightly regulated by powerplant above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,50 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)
May 8	2300	*267	*5.19				

Minimum daily discharge, 71 ft^3/s, Sep 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e110	125	101	89	90	79
2	---	---	---	---	---	---	e105	122	101	88	88	77
3	---	---	---	---	---	---	e110	125	98	88	90	75
4	---	---	---	---	---	---	e112	129	98	87	90	75
5	---	---	---	---	---	---	e115	131	99	88	89	74
6	---	---	---	---	---	---	e117	121	99	88	86	73
7	---	---	---	---	---	---	e118	117	101	87	85	73
8	---	---	---	---	---	---	e120	140	100	88	e86	74
9	---	---	---	---	---	---	124	118	101	88	e86	74
10	---	---	---	---	---	---	126	119	101	89	e84	73
11	---	---	---	---	---	---	127	128	100	92	e84	73
12	---	---	---	---	---	---	134	121	98	90	e86	73
13	---	---	---	---	---	---	140	121	99	85	e88	73
14	---	---	---	---	---	---	155	118	96	85	e88	73
15	---	---	---	---	---	---	149	116	94	86	e86	72
16	---	---	---	---	---	---	142	113	95	87	e83	72
17	---	---	---	---	---	---	137	113	97	89	e84	71
18	---	---	---	---	---	---	140	113	98	87	e86	71
19	---	---	---	---	---	---	143	112	99	86	e87	72
20	---	---	---	---	---	---	144	110	97	86	e88	72
21	---	---	---	---	---	---	149	108	97	86	e85	72
22	---	---	---	---	---	---	155	109	96	87	e86	74
23	---	---	---	---	---	---	159	108	95	86	e85	75
24	---	---	---	---	---	---	141	108	95	87	e86	74
25	---	---	---	---	---	---	131	110	94	87	e85	74
26	---	---	---	---	---	---	122	110	94	88	e84	74
27	---	---	---	---	---	---	128	108	92	88	e82	73
28	---	---	---	---	---	---	127	106	92	87	e84	73
29	---	---	---	---	---	---	133	104	89	88	e84	73
30	---	---	---	---	---	---	128	102	89	89	e88	72
31	---	---	---	---	---	e107	---	102	---	88	e91	---
TOTAL	---	---	---	---	---	---	3941	3587	2905	2714	2674	2203
MEAN	---	---	---	---	---	---	131	116	96.8	87.5	86.3	73.4
MAX	---	---	---	---	---	---	159	140	101	92	91	79
MIN	---	---	---	---	---	---	105	102	89	85	82	71
AC-FT	---	---	---	---	---	---	7820	7110	5760	5380	5300	4370

e Estimated

10116500 CUTLER RESERVOIR NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'13", long 112°02'51", in NW¼NW¼SW¼ sec. 26, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, 2 mi north of Beaver Dam, 6 mi north of Collinston.

DRAINAGE AREA.--6,265 mi².

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, PacifiCorp datum.

REMARKS.--New capacity table being used from Oct. 1, 1992.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13250	14640	9731	12570	11910	13590	14640	15360	14290	12240	13250	14640
2	11910	11580	7843	12240	11910	12910	16100	13250	12570	12240	13250	15000
3	14640	13250	4835	12570	12570	13590	13590	12240	13940	12240	13250	15000
4	14640	15360	6009	13250	17610	14290	12240	13590	12910	11910	13590	14290
5	14290	14640	4141	14290	14640	13250	14290	11580	13590	12240	13590	13590
6	13940	11910	4479	13940	13250	12570	13250	14640	13940	11910	13250	15000
7	15360	12240	3229	12910	12910	13250	15360	13940	13590	11910	13250	15000
8	15360	13250	4141	14640	12910	13250	14290	14640	13590	11910	13250	15000
9	15000	13590	3820	13940	12910	13250	13250	15000	11910	11910	13590	14640
10	15360	13590	5019	14640	12910	12570	12570	15000	11260	11260	14290	15360
11	15360	12910	6885	15360	14640	13250	12910	14640	10630	11910	14640	14640
12	14290	12570	7117	15360	14640	13590	13940	13590	10020	12570	14640	13940
13	11910	12570	4308	12570	14290	11910	13940	13590	10020	13250	14640	14290
14	11910	15000	5208	13940	14640	12910	14290	13590	10320	14290	14290	14640
15	14290	12910	4308	13590	14290	12570	14640	16100	10020	14640	14640	14290
16	14290	13940	3516	14640	12910	12910	13250	14290	10940	15000	13940	14290
17	15360	12570	10630	14640	14640	13250	12910	13940	12570	15000	13940	13940
18	14290	15000	12240	14640	14290	13250	14290	14640	13590	15000	13940	10630
19	15000	13940	12910	12240	13940	12910	13250	13250	13590	15000	13940	10630
20	15000	12240	13940	14290	13590	14640	13940	13250	14640	15000	13940	11260
21	15360	12240	15360	11910	13590	13940	13590	14290	14640	15000	13250	11260
22	15360	14640	12240	14290	12570	15360	13940	13940	14640	15000	13250	10940
23	14640	13250	15360	13590	14290	13250	15000	12910	14640	15000	12570	11910
24	14640	14640	15000	13940	14640	13250	12240	13940	14640	15000	12570	12910
25	15000	12240	15360	13940	13590	13250	12240	14290	14640	15000	12570	13590
26	14290	14290	15360	14640	13250	12570	13250	11910	13940	14640	12570	14290
27	15360	16470	15360	14640	14290	12570	15000	13250	12910	14640	12570	14640
28	10630	13590	13940	12570	13590	15000	15360	12910	12910	14290	13940	15000
29	13590	11580	13590	14290	13940	13250	15730	13940	12910	14290	14640	16100
30	13590	11580	13250	13250	---	15000	14290	15000	12570	13940	16100	15000
31	13940	---	12570	14290	---	14640	---	14290	---	13590	15360	---
MAX	15360	16470	15360	15360	17610	15360	16100	16100	14640	15000	16100	16100
MIN	10630	11580	3229	11910	11910	11910	12240	11580	10020	11260	12570	10630
(#)	4407.30	4406.95	4407.10	4407.35	4407.30	4407.40	4407.35	4407.35	4407.10	4407.25	4407.50	4407.45
(*)	-1440	-2360	+990	+1720	-350	+700	-350	0	-1720	+1020	+1770	-360

CAL YR 1999.....(*) -1390
WTR YR 2000.....(*) -380

(#) 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 good. 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 PacifiCorp.

AVERAGE DISCHARGE.--86 years (water years 1913-81, 1983-2000), 53.0 ft^3/s, 38,360 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft^3/s, Jun 29, 1963, May 2, 1977; no flow at times in each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	.00	.00	.00	.00	.00	.00	8.1	173	171	174	149
2	114	.00	.00	.00	.00	.00	.00	8.3	168	171	174	149
3	116	.00	.00	.00	.00	.00	.00	74	163	172	174	149
4	115	.00	.00	.00	.00	.00	.00	128	167	172	175	148
5	115	.00	.00	.00	.00	.00	.00	148	170	172	175	142
6	115	.00	.00	.00	.00	.00	.00	151	170	172	176	130
7	116	.00	.00	.00	.00	.00	.00	150	170	173	170	130
8	116	.00	.00	.00	.00	.00	.00	149	169	173	165	132
9	115	.00	.00	.00	.00	.00	.00	150	168	174	166	131
10	115	.00	.00	.00	.00	.00	.00	162	167	173	166	131
11	115	.00	.00	.00	.00	.00	.00	165	167	173	166	131
12	114	.00	.00	.00	.00	.00	.00	164	167	172	166	131
13	113	.00	.00	.00	.00	.00	.00	165	169	173	166	130
14	112	.00	.00	.00	.00	.00	.00	166	170	174	166	131
15	113	.00	.00	.00	.00	.00	.00	165	170	171	166	123
16	105	.00	.00	.00	.00	.00	.00	165	168	172	167	118
17	99	.00	.00	.00	.00	.00	.00	164	168	175	167	118
18	99	.00	.00	.00	.00	.00	.00	164	168	175	167	120
19	99	.00	.00	.00	.00	.00	.00	164	168	174	166	120
20	99	.00	.00	.00	.00	.00	.00	163	169	174	166	119
21	96	.00	.00	.00	.00	.00	.00	163	170	175	165	119
22	93	.00	.00	.00	.00	.00	.00	163	170	175	165	120
23	94	.00	.00	.00	.00	.00	.00	164	170	175	165	118
24	94	.00	.00	.00	.00	.00	.00	167	170	174	164	117
25	93	.00	.00	.00	.00	.00	.00	167	171	175	164	118
26	94	.00	.00	.00	.00	.00	.00	175	170	174	165	117
27	94	.00	.00	.00	.00	.00	.00	172	170	174	166	118
28	92	.00	.00	.00	.00	.00	.00	174	171	174	158	118
29	93	.00	.00	.00	.00	.00	.00	173	170	174	150	78
30	93	.00	.00	.00	---	.00	.00	173	171	174	150	72
31	93	---	.00	.00	---	.00	---	173	---	173	150	---
TOTAL	3249	0.00	0.00	0.00	0.00	0.00	0.00	4637.4	5072	5373	5140	3727
MEAN	105	.000	.000	.000	.000	.000	.000	150	169	173	166	124
MAX	116	.00	.00	.00	.00	.00	.00	175	173	175	176	149
MIN	92	.00	.00	.00	.00	.00	.00	8.1	163	171	150	72
AC-FT	6440	.00	.00	.00	.00	.00	.00	9200	10060	10660	10200	7390

CAL YR 1999 TOTAL 24475.30 MEAN 67.1 MAX 175 MIN .00 AC-FT 48550
WTR YR 2000 TOTAL 27198.40 MEAN 74.3 MAX 176 MIN .00 AC-FT 53950

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 good. 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 PacifiCorp.

AVERAGE DISCHARGE.--86 years (water years 1913-81, 1983-2000), 255 ft^3/s, 184,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 787 ft^3/s, Jun 23, 1986; no flow for periods in every year except 1914.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	437	346	.00	.00	.00	.00	.00	275	724	772	704	475
2	439	344	.00	.00	.00	.00	.00	591	739	779	709	480
3	439	346	.00	.00	.00	.00	.00	720	772	777	709	481
4	437	346	.00	.00	.00	.00	.00	723	771	769	709	475
5	441	346	.00	.00	.00	.00	.00	726	766	770	707	468
6	441	346	.00	.00	.00	.00	.00	741	765	767	702	467
7	438	347	.00	.00	.00	.00	.00	752	763	770	698	458
8	435	343	.00	.00	.00	.00	.00	755	766	770	696	458
9	435	344	.00	.00	.00	.00	.00	758	764	770	703	458
10	437	347	.00	.00	.00	.00	.00	754	773	750	705	459
11	418	346	.00	.00	.00	.00	.00	742	779	716	705	455
12	398	346	.00	.00	.00	.00	.00	745	769	714	703	459
13	394	344	.00	.00	.00	.00	.00	756	762	573	701	463
14	396	344	.00	.00	.00	.00	.00	759	761	693	695	464
15	373	344	.00	.00	.00	.00	.00	759	762	707	695	463
16	351	346	.00	.00	.00	.00	.00	760	772	707	697	463
17	350	343	.00	.00	.00	.00	.00	748	773	707	702	461
18	350	170	.00	.00	.00	.00	.00	754	774	712	702	463
19	350	.00	.00	.00	.00	.00	.00	765	772	715	700	462
20	351	.00	.00	.00	.00	.00	.00	765	781	708	700	462
21	351	.00	.00	.00	.00	.00	.00	763	773	708	698	457
22	351	.00	.00	.00	.00	.00	.00	767	773	708	696	451
23	351	.00	.00	.00	.00	.00	.00	770	776	708	692	448
24	351	.00	.00	.00	.00	.00	.00	765	779	708	699	452
25	351	.00	.00	.00	.00	.00	.00	744	781	706	706	445
26	349	.00	.00	.00	.00	.00	.00	734	779	706	699	446
27	346	.00	.00	.00	.00	.00	.00	740	776	708	702	446
28	344	.00	.00	.00	.00	.00	.00	746	779	706	709	440
29	346	.00	.00	.00	.00	.00	.00	746	774	706	700	416
30	347	.00	.00	.00	---	.00	.00	742	772	706	582	392
31	347	---	.00	.00	---	.00	---	735	---	706	476	---
TOTAL	11944	6038.00	0.00	0.00	0.00	0.00	0.00	22600	23070	22422	21401	13687
MEAN	385	201	.000	.000	.000	.000	.000	729	769	723	690	456
MAX	441	347	.00	.00	.00	.00	.00	770	781	779	709	481
MIN	344	.00	.00	.00	.00	.00	.00	275	724	573	476	392
AC-FT	23690	11980	.00	.00	.00	.00	.00	44830	45760	44470	42450	27150

CAL YR 1999 TOTAL 113356.80 MEAN 311 MAX 770 MIN .00 AC-FT 224800
WTR YR 2000 TOTAL 121162.00 MEAN 331 MAX 781 MIN .00 AC-FT 240300

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.

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 November 8, 1913, nonrecording gage, and November 8, 1913 to September 10, 1938, water-stage recorder, at site 0.8 mi downstream at different datums.

REMARKS.--Records good. Natural flow of stream affected by storage reservoir, power developments and diversions for irrigation.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

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.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	1880	2230	1560	1840	1490	1500	1570	655	34	33	1540
2	382	1980	2310	1530	1480	1670	1180	1500	596	34	33	370
3	90	1430	1770	1510	304	1500	1760	456	229	34	33	750
4	1060	1430	2210	1560	735	1780	650	349	77	34	33	457
5	818	2060	1960	1810	1830	1690	1830	46	36	34	33	149
6	446	2080	1820	1660	1860	1550	1040	32	36	33	33	410
7	1260	1420	1820	1730	1450	1500	1410	648	36	33	33	280
8	1680	1460	1660	1400	1450	1800	1900	276	36	33	32	210
9	1780	1830	1920	2140	1460	1700	1630	583	36	33	32	33
10	1900	1570	1460	1520	1460	1990	1900	930	36	33	33	33
11	1960	1700	1940	1490	601	1670	1170	1090	36	33	31	540
12	1960	1610	2100	1930	1680	1540	1110	624	36	33	31	142
13	1710	1710	1920	2300	1700	2040	1240	410	36	33	31	34
14	261	1630	1790	1750	1490	1520	1500	367	36	33	31	34
15	331	1860	1460	1520	2010	1720	1750	573	36	33	31	180
16	643	1430	1220	1620	2090	1490	1660	185	34	33	30	33
17	577	1910	1210	1710	1750	1860	1990	987	34	33	30	524
18	1330	1720	1260	2410	1650	1410	1710	334	34	34	30	248
19	1330	1200	1390	1890	2030	1470	1500	222	34	34	30	33
20	1330	2060	1440	1910	1830	1490	1180	389	34	34	30	33
21	1330	1950	1840	1970	1860	1880	1560	73	34	34	30	33
22	1350	1950	2840	1840	1600	1680	889	145	34	34	30	33
23	1370	1620	1710	2190	1740	1660	1430	488	34	34	30	33
24	1350	1450	1620	1770	1800	1500	1950	34	34	34	30	33
25	1510	2410	1420	1700	2060	1490	1820	656	34	34	30	33
26	1590	1430	1410	1740	1720	1480	1510	568	34	34	30	33
27	2820	1860	1420	1620	1740	1490	336	828	34	34	31	32
28	2780	1810	1580	2260	2270	735	832	420	34	34	31	32
29	2040	2140	1710	459	1480	1840	1610	551	34	33	31	123
30	1410	1560	1540	1380	---	1820	1580	448	34	33	265	83
31	1410	---	1680	1150	---	1770	---	439	---	33	1550	---
TOTAL	41368	52150	53660	53029	46970	50225	43127	16221	2463	1039	2721	6501
MEAN	1334	1738	1731	1711	1620	1620	1438	523	82.1	33.5	87.8	217
MAX	2820	2410	2840	2410	2270	2040	1990	1570	655	34	1550	1540
MIN	90	1200	1210	459	304	735	336	32	34	33	30	32
AC-FT	82050	103400	106400	105200	93160	99620	85540	32170	4890	2060	5400	12890

CAL YR 1999 TOTAL 778403 MEAN 2133 MAX 5930 MIN 25 AC-FT 1544000
WTR YR 2000 TOTAL 369474 MEAN 1009 MAX 2840 MIN 30 AC-FT 732900

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in NE$^1/_4$SE$^1/_4$NE$^1/_4$ 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft above sea level, unadjusted. Auxiliary nonrecording gage 7,800 ft downstream July 27, 1950 to November 21, 1955.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,770 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, 4,130 ft^3/s, Jan 10, gage height, 10.49 ft; minimum daily discharge, 74 ft^3/s, Aug 15, 16, gage height, 0.86 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1510	1790	1750	3040	e1520	2030	e1500	2130	849	103	95	1380
2	1490	2430	2230	3450	e1580	2440	e1400	2020	910	100	93	1400
3	822	2000	2390	3130	e1440	1890	e1650	e1720	905	105	90	933
4	420	1550	2000	2840	e1450	1700	e1700	e1250	619	101	90	979
5	1030	1520	2220	2750	e1520	1910	e1600	e1020	455	102	87	869
6	1160	2280	2160	2930	e1570	1930	e1800	e540	248	100	90	688
7	895	2090	1920	3270	e1600	1740	e2000	e510	164	95	102	637
8	1260	1650	1810	3170	e1450	1730	2130	e907	147	94	101	686
9	1550	1710	1660	2800	e1520	1950	2200	808	127	102	96	572
10	1740	1780	1610	3590	1600	1960	1940	995	114	112	93	426
11	1890	1850	1440	2650	1490	2150	e1960	1280	116	111	89	266
12	1890	1730	1590	2080	1420	1910	e1700	1440	112	110	80	668
13	1890	1790	1720	2130	1870	1910	1710	1000	102	101	75	514
14	1610	1820	1500	2490	1930	2100	2000	884	96	94	75	335
15	715	1690	1750	2130	1850	1720	2260	844	91	99	74	251
16	574	1880	1670	1830	2300	1840	2150	1010	87	100	74	376
17	997	1630	1400	2030	2170	1710	2280	763	86	103	77	290
18	986	1940	1360	1960	2110	1960	2290	1130	88	100	85	657
19	1310	2010	1410	2830	1890	1620	2170	854	98	97	83	689
20	1350	1920	1530	2130	2180	1620	2100	751	91	97	83	318
21	1360	2090	1520	2430	2070	1800	1830	743	91	103	87	245
22	1360	1950	2140	2060	2160	1880	1960	e439	89	110	84	233
23	1380	2050	2520	2100	1810	1870	1770	467	90	120	83	249
24	1380	1710	2050	2220	1940	1860	2380	803	92	123	86	269
25	1420	1830	1650	1830	2250	1670	2350	402	94	120	87	270
26	1540	2150	1520	1780	2230	e1420	2110	899	93	131	89	278
27	1490	1550	1520	1770	1950	e1600	e1650	902	98	116	95	276
28	2300	2040	1520	1760	2020	e1700	e1410	1110	101	109	111	280
29	2580	1810	1850	e1680	2330	e1750	1600	832	100	103	109	281
30	1740	2160	2200	e1500	---	e1800	2030	814	101	98	153	349
31	1780	---	2260	e1450	---	e1720	---	881	---	98	483	---
TOTAL	43419	56400	55870	73810	53220	56890	57630	30148	6454	3257	3199	15664
MEAN	1401	1880	1802	2381	1835	1835	1921	973	215	105	103	522
MAX	2580	2430	2520	3590	2330	2440	2380	2130	910	131	483	1400
MIN	420	1520	1360	1450	1420	1420	1400	402	86	94	74	233
AC-FT	86120	111900	110800	146400	105600	112800	114300	59800	12800	6460	6350	31070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	1424	1699	1754	1877	1913	2393	2932	3062	2339	770	668	977
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	865702		455961			
ANNUAL MEAN	2372		1246		1815	
HIGHEST ANNUAL MEAN					5050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	6020	May 7	3590	Jan 10	14300	May 19 1984
LOWEST DAILY MEAN	416	Jul 14	74	Aug 15	47	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	837	Aug 19	77	Aug 12	50	Aug 22 1992
ANNUAL RUNOFF (AC-FT)	1717000		904400		1315000	
10 PERCENT EXCEEDS	4480		2190		3720	
50 PERCENT EXCEEDS	2060		1500		1500	
90 PERCENT EXCEEDS	1000		95		136	

e Estimated

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION.--Lat 40°44'14", long 111°14'50", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ 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 October 25, 1933, staff gage at site 0.2 mi downstream at different datum. October 25, 1933 to August 29, 1955, water-stage recorder at present site at datum 0.5 ft higher. August 29, 1955 to October 27, 1981 at present site at different datum. October 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 poor. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,170 ft^3/s, Jun 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 30	0015	*1,540	*3.44	No other peak greater than base discharge.			

Minimum daily discharge, 49 ft^3/s, Feb 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	69	60	e61	e50	51	64	260	887	154	123	92
2	92	69	60	e60	e50	50	68	309	743	151	127	99
3	90	68	61	e61	e51	50	73	372	699	144	124	83
4	89	69	e61	e60	e51	52	85	454	656	140	126	74
5	87	68	e60	e58	e51	56	101	595	599	135	125	71
6	86	66	e62	e59	e53	54	104	655	553	129	119	68
7	89	66	e61	e61	e55	53	102	631	502	130	111	67
8	87	67	e59	e63	e54	51	105	544	469	129	109	67
9	85	67	e61	e66	52	53	119	464	415	128	108	71
10	83	66	e61	e68	51	51	122	418	357	128	107	66
11	83	66	e62	e69	52	51	124	427	324	127	98	64
12	81	66	e62	e63	52	53	134	401	298	122	97	63
13	81	64	e61	e60	51	50	146	373	282	120	100	62
14	80	64	e61	e58	53	51	177	356	266	118	100	60
15	79	62	e62	e56	54	51	154	349	257	117	100	59
16	79	62	e63	e57	51	50	139	353	243	119	91	59
17	76	64	e62	e57	52	52	134	355	224	123	86	59
18	77	65	e62	e59	51	50	148	354	212	118	86	59
19	77	63	e60	e65	e50	51	152	369	233	116	91	59
20	76	65	e59	e58	e51	52	144	407	217	115	81	60
21	76	63	e59	e58	53	52	154	491	196	130	75	61
22	73	62	e59	e55	53	52	163	663	184	137	73	72
23	72	e62	e59	e57	51	54	173	951	173	137	73	82
24	74	e61	e60	e55	52	54	173	1150	164	135	74	79
25	73	e61	e60	e55	e49	56	170	1150	158	130	73	79
26	72	e62	e61	e53	e52	61	189	1410	152	127	83	75
27	70	63	e60	e52	e52	69	218	1160	153	123	101	72
28	73	60	e60	e52	52	76	268	1160	141	120	86	69
29	75	59	e59	e52	50	67	294	1320	134	119	77	67
30	70	60	e59	e51	---	67	251	1260	137	116	75	66
31	70	---	e60	e52	---	63	---	1080	---	117	80	---
TOTAL	2469	1929	1876	1811	1499	1703	4448	20241	10028	3954	2979	2084
MEAN	79.6	64.3	60.5	58.4	51.7	54.9	148	653	334	128	96.1	69.5
MAX	94	69	63	69	55	76	294	1410	887	154	127	99
MIN	70	59	59	51	49	50	64	260	134	115	73	59
AC-FT	4900	3830	3720	3590	2970	3380	8820	40150	19890	7840	5910	4130

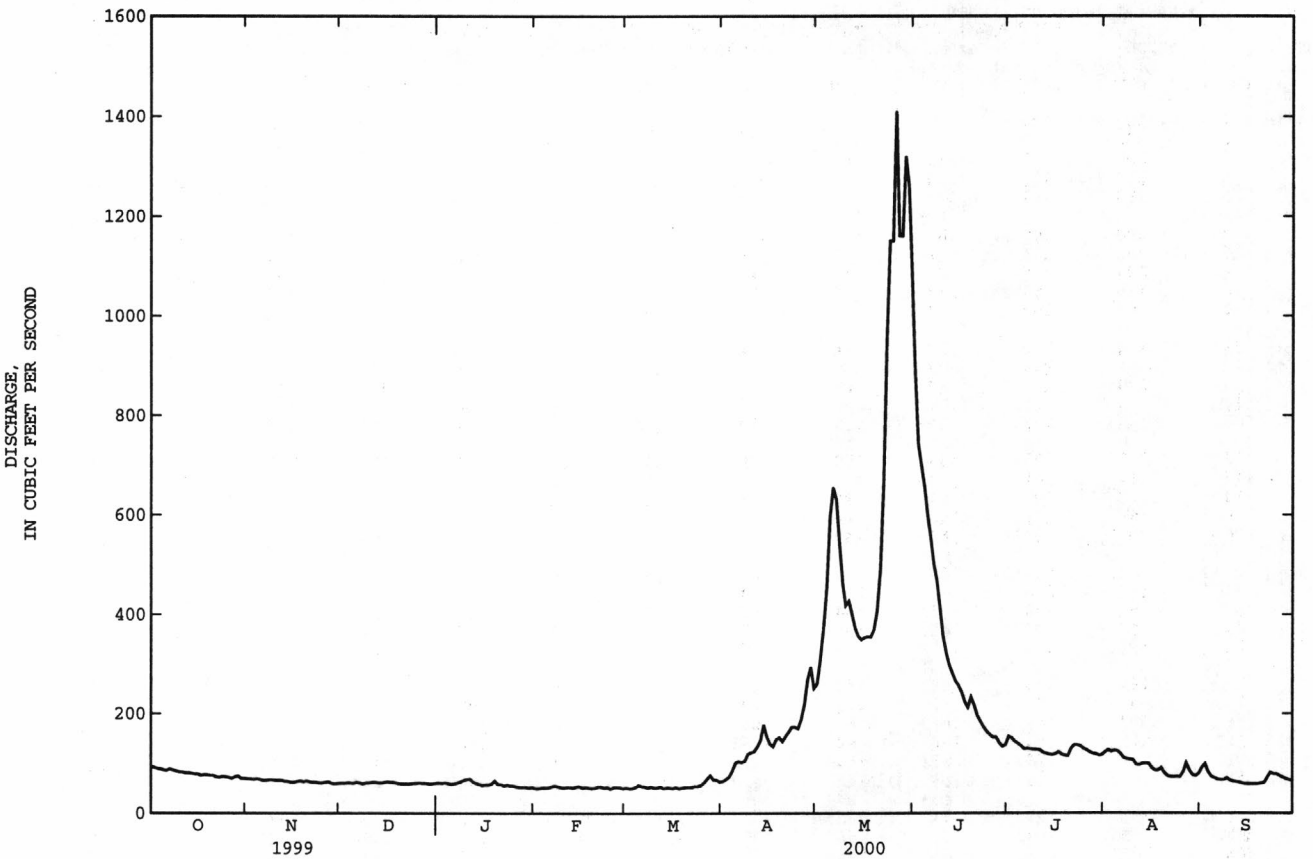
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2000, BY WATER YEAR (WY)

MEAN	80.4	70.2	60.9	56.6	56.7	67.6	179	686	919	268	115	86.0
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	1934

10128500 WEBER RIVER NEAR OAKLEY, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1905 - 2000	
ANNUAL TOTAL	89795		55021			
ANNUAL MEAN	246		150		221	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	1890	Jun 17	1410	May 26	4170	Jun 13 1921
LOWEST DAILY MEAN	59	Nov 29	49	Feb 25	20	Dec 1 1977
ANNUAL SEVEN-DAY MINIMUM	59	Dec 19	51	Mar 13	23	Nov 30 1977
ANNUAL RUNOFF (AC-FT)	178100		109100		159800	
10 PERCENT EXCEEDS	767		354		626	
50 PERCENT EXCEEDS	102		73		80	
90 PERCENT EXCEEDS	62		52		49	

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. November 17, 1950, to September 30, 1955, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records good except for estimated record which is fair. 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, 462 ft^3/s, Jun 10; minimum daily discharge, 27 ft^3/s, Feb 9, 10, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	201	178	162	e161	67	74	63	200	245	201	152
2	208	200	183	162	e162	67	67	73	200	242	203	151
3	207	199	183	162	e162	67	66	62	198	242	202	160
4	203	197	183	165	162	66	63	93	200	245	209	158
5	197	197	187	162	163	64	62	108	198	250	209	153
6	198	200	187	162	173	64	62	111	195	260	210	147
7	202	199	187	162	170	64	63	108	286	236	207	150
8	203	198	187	162	84	64	63	108	352	210	206	150
9	199	201	192	164	27	65	62	108	425	208	203	150
10	197	202	192	164	27	66	62	108	462	212	200	151
11	194	202	192	155	28	66	62	108	459	214	194	151
12	192	201	192	160	28	66	61	105	459	208	193	156
13	193	199	187	162	29	65	60	102	461	201	192	165
14	193	201	173	159	28	64	80	100	460	200	197	165
15	186	202	157	158	27	65	68	175	457	201	203	163
16	201	203	156	158	28	65	66	215	458	193	201	164
17	199	201	159	161	29	65	64	208	457	201	201	165
18	198	201	159	164	45	65	65	207	460	207	214	129
19	195	208	162	162	64	64	67	205	402	205	209	139
20	195	192	162	162	64	65	65	203	264	201	205	173
21	197	210	162	162	63	67	66	203	199	202	208	174
22	198	210	162	162	64	66	65	201	198	202	204	174
23	198	192	162	164	67	65	66	201	200	197	202	150
24	197	178	162	163	67	66	64	205	201	196	202	165
25	196	179	162	162	67	67	64	206	199	205	201	170
26	196	178	162	162	67	67	67	204	221	211	198	173
27	196	179	162	162	67	67	71	197	232	209	196	172
28	198	183	162	e162	67	67	66	194	242	212	195	171
29	204	183	162	e162	66	67	64	198	244	213	196	161
30	204	179	159	e162	---	67	63	201	241	213	197	176
31	199	---	160	e161	---	108	---	198	---	208	169	---
TOTAL	6150	5875	5335	5012	2256	2078	1958	4778	9230	6649	6227	4778
MEAN	198	196	172	162	77.8	67.0	65.3	154	308	214	201	159
MAX	208	210	192	165	173	108	80	215	462	260	214	176
MIN	186	178	156	155	27	64	60	62	195	193	169	129
AC-FT	12200	11650	10580	9940	4470	4120	3880	9480	18310	13190	12350	9480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	167	147	132	88.1	97.4	124	164	277	528	292	222	195
MAX	209	211	258	213	220	279	440	743	1295	846	333	288
(WY)	1994	1998	1958	1997	1997	1997	1958	1997	1995	1995	1989	1958
MIN	23.3	23.2	22.5	23.0	15.8	25.8	30.0	94.1	137	120	175	112
(WY)	1993	1993	1995	1993	1991	1992	1991	1989	1989	1958	1999	1989

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	87976		60326			
ANNUAL MEAN	241		165		203	
HIGHEST ANNUAL MEAN					314	1997
LOWEST ANNUAL MEAN					125	1992
HIGHEST DAILY MEAN	1330	Jun 3	462	Jun 10	1610	Jun 18 1995
LOWEST DAILY MEAN	62	Apr 9	27	Feb 9	.10	Nov 17 1957
ANNUAL SEVEN-DAY MINIMUM	66	Apr 7	28	Feb 9	.11	Nov 16 1957
ANNUAL RUNOFF (AC-FT)	174500		119700		147000	
10 PERCENT EXCEEDS	342		210		335	
50 PERCENT EXCEEDS	192		174		185	
90 PERCENT EXCEEDS	79		64		27	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40°53'43", long 111°24'04", in NE$^1/_4$SW$^1/_4$NE$^1/_4$ 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.

WATER-DISCHARGE RECORDS

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 March 22, 1931, nonrecording gage, March 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

REMARKS.--Records good except for estimated daily values, which are fair. 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 April 1, 1957, by Rockport Reservoir.

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, Sep 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 445 ft^3/s, Jun 13, 14, 15, 17, 19, gage height, 2.88 ft; minimum daily discharge, 43 ft^3/s, Feb 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217	218	195	159	168	81	102	60	169	228	158	178
2	217	220	203	159	165	82	84	59	172	232	164	170
3	218	220	203	157	164	81	84	50	170	244	164	174
4	222	220	198	161	165	82	86	54	166	247	170	169
5	219	219	198	161	167	84	92	70	159	234	171	160
6	218	221	200	167	173	83	93	76	151	220	173	151
7	222	222	203	177	174	80	91	77	213	202	174	153
8	221	223	203	159	120	80	89	81	307	172	175	155
9	220	224	202	159	44	81	87	81	367	171	183	155
10	220	226	203	165	43	81	84	87	422	176	183	154
11	218	225	204	160	44	81	84	95	419	180	177	151
12	217	224	203	164	44	82	83	95	421	174	179	152
13	217	224	e201	165	44	81	83	89	435	166	177	161
14	218	224	e186	165	45	80	114	92	441	165	183	161
15	214	223	e171	164	52	80	99	140	441	166	193	160
16	216	223	e165	170	48	79	95	189	438	162	200	159
17	218	221	168	180	47	80	88	186	438	166	190	158
18	216	224	165	187	55	80	83	184	435	171	207	141
19	216	226	166	188	80	80	77	188	393	167	206	124
20	217	219	166	183	80	80	75	183	270	163	197	174
21	219	229	166	184	80	81	73	169	181	158	200	180
22	221	230	167	179	85	81	76	160	173	157	203	193
23	220	215	163	173	86	80	80	150	169	156	206	177
24	221	198	164	172	85	79	78	152	166	156	204	191
25	219	195	165	176	84	80	74	158	168	159	204	191
26	220	194	160	176	86	83	70	188	182	168	205	192
27	216	195	158	173	83	87	75	183	198	171	205	188
28	218	197	158	171	83	90	67	169	211	173	204	186
29	223	197	157	175	82	88	64	165	223	174	203	178
30	223	195	159	173	---	87	63	166	233	172	206	180
31	220	---	162	165	---	109	---	161	---	168	207	---
TOTAL	6781	6491	5582	5267	2676	2563	2493	3957	8331	5618	5871	5016
MEAN	219	216	180	170	92.3	82.7	83.1	128	278	181	189	167
MAX	223	230	204	188	174	109	114	189	441	247	207	193
MIN	214	194	157	157	43	79	63	50	151	156	158	124
AC-FT	13450	12870	11070	10450	5310	5080	4940	7850	16520	11140	11650	9950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	175	155	148	133	134	165	205	332	569	280	185	178
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	94596		60646			
ANNUAL MEAN	259		166		222	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	1310	Jun 3	441	Jun 14	1860	Jun 12 1983
LOWEST DAILY MEAN	81	Jan 16	43	Feb 10	7.0	Apr 20 1977
ANNUAL SEVEN-DAY MINIMUM	85	Apr 3	45	Feb 9	15	May 2 1961
ANNUAL RUNOFF (AC-FT)	187600		120300		160600	
10 PERCENT EXCEEDS	406		222		396	
50 PERCENT EXCEEDS	203		170		175	
90 PERCENT EXCEEDS	100		80		45	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 30, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 13, 1998 to April 20, 1999, October 26, 1999 to September 30, 2000.

INSTRUMENTATION.--Temperature data logger.

REMARKS.--Records good except for the missing period of record, November 15 to February 4.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 21.8°C, Aug 14, 24, 2000; minimum, 0.0°C, on several days each winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.8°C, Aug 14, 24; minimum recorded, 0.0°C, Feb 13, 19, 26.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
30...	0910	ENVIRONMENTAL	233	133	12.2	8.5	394	10.0	170	50
NOV										
12...	1110	ENVIRONMENTAL	225	121	12.4	8.6	385	6.1	180	53
DEC										
14...	1200	ENVIRONMENTAL	230	110	12.4	8.4	390	2.2	190	55
JAN										
26...	1045	ENVIRONMENTAL	90	114	13.1	8.3	505	1.8	210	61
FEB										
16...	1030	ENVIRONMENTAL	230	110	12.4	8.4	455	2.0	200	58
16...	1031	REPLICATE	--	--	--	8.5	454	--	200	58
MAR										
15...	1130	ENVIRONMENTAL	239	131	13.8	8.9	467	4.5	220	64
APR										
21...	1400	ENVIRONMENTAL	112	121	11.7	8.9	424	7.5	180	52
MAY										
19...	1230	ENVIRONMENTAL	382	122	11.3	8.6	402	9.9	180	53
JUN										
22...	1110	ENVIRONMENTAL	282	149	12.1	8.6	312	15.5	140	41
JUL										
19...	1205	ENVIRONMENTAL	233	131	10.8	8.3	--	15.1	140	42
19...	1210	REPLICATE	--	--	--	8.0	235	--	140	41
AUG										
16...	1120	ENVIRONMENTAL	160	140	11.6	8.1	308	15.0	140	41
SEP										
21...	1130	ENVIRONMENTAL	197	120	10.2	8.3	302	14.0	140	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
30...	11	1.8	.4	11	170	200	4	19	.11	5.7	14
NOV											
12...	12	1.5	.4	12	167	187	8	18	.11	5.1	13
DEC											
14...	12	1.5	.3	10	169	206	--	17	<.10	5.4	13
JAN											
26...	14	2.0	.6	20	175	214	--	35	.15	8.3	23
FEB											
16...	14	2.1	.5	15	181	215	2	26	.11	7.8	17
16...	14	2.2	.5	15	--	--	--	26	.11	7.8	17
MAR											
15...	15	2.1	.5	18	183	198	12	33	.10	8.4	20
APR											
21...	12	2.0	.6	18	148	162	9	33	.12	10	23
MAY											
19...	12	1.7	.5	14	165	193	4	24	.15	7.7	17
JUN											
22...	9.0	1.3	.3	9.1	--	--	--	16	.10	6.2	11
JUL											
19...	9.1	1.1	.3	8.5	127	155	--	16	.11	6.2	9.5
19...	8.8	1.1	.3	8.4	129	158	--	16	.11	6.1	9.0
AUG											
16...	8.7	1.2	.3	8.5	128	156	--	14	<.10	7.0	9.4
SEP											
21...	9.0	1.3	.3	8.0	128	156	--	13	<.10	8.0	9.6

10130500 WEBER RIVER NEAR COALVILLE, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT										
30...	<.020	.24	.31	.146	<.010	<.050	.020	E.045	.32	148
NOV										
12...	<.020	.18	.23	.101	<.010	<.050	.018	E.034	.31	139
DEC										
14...	.028	.14	.22	.147	.021	<.050	.023	<.050	.30	139
JAN										
26...	.033	.18	.40	.575	.011	.047	.042	.120	.40	71.4
FEB										
16...	.023	.23	.32	.353	.014	.039	.030	.061	.36	165
16...	.023	.22	.28	.344	.013	.040	.029	.061	.36	--
MAR										
15...	<.020	.21	.37	.087	<.010	.027	.022	.059	.38	181
APR										
21...	.030	.24	.55	.162	<.010	.039	.038	.106	.35	78.9
MAY										
19...	.035	.20	.35	.095	<.010	.025	.022	.058	.36	275
JUN										
22...	<.020	.17	.30	.079	<.010	.022	<.010	.040	--	--
JUL										
19...	<.020	.28	.30	.100	<.010	.031	.025	.056	.25	115
19...	<.020	.28	.32	.099	<.010	.032	.024	.052	.25	--
AUG										
16...	<.020	.17	.30	.198	<.010	.047	.039	.063	.25	78.2
SEP										
21...	<.020	.21	.31	.240	<.010	.055	.046	.074	.24	93.6

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
30...	235	216	--	E8.1	16	2.9	.60	7.9	12	--
NOV										
12...	229	216	--	E9.0	16	2.9	.40	4.3	7	--
DEC										
14...	224	216	--	E8.7	13	2.6	.30	6.2	10	--
JAN										
26...	294	272	--	E6.5	40	2.1	1.4	8.4	34	--
FEB										
16...	266	250	--	E8.5	58	2.7	.40	11	17	--
16...	268	252	--	10	59	--	--	--	--	--
MAR										
15...	281	271	--	11	67	3.1	.40	4.2	6	--
APR										
21...	261	241	--	E6.1	28	3.7	1.6	6.8	22	59
MAY										
19...	267	229	--	<10	21	3.4	.80	20	19	63
JUN										
22...	211	--	--	E5.4	29	4.5	.50	14	18	88
JUL										
19...	183	169	2.6	12	22	4.0	.50	5.7	9	75
19...	182	168	--	E9.1	22	4.0	.50	--	--	--
AUG										
16...	181	167	1.2	E6.7	19	4.0	--	2.6	6	54
SEP										
21...	176	169	.78	E6.5	17	3.4	.30	2.7	5	92

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	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)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
FEB									
16...	1030	ENVIRONMENTAL	<1.0	<1.0	2	91	<1.0	<1.0	5.5
16...	1031	REPLICATE	6.9	<1.0	1	91	<1.0	<1.0	8.9
MAR									
15...	1130	ENVIRONMENTAL	V4.7	<1.0	2	89	<1.0	<1.0	<1.0
APR									
21...	1400	ENVIRONMENTAL	V2.5	1.4	2	88	<1.0	<1.0	<1.0
MAY									
19...	1230	ENVIRONMENTAL	V1.2	<1.0	2	88	<1.0	<1.0	<1.0
JUN									
22...	1110	ENVIRONMENTAL	V7.6	<1.0	1	72	<1.0	<1.0	<1.0
JUL									
19...	1205	ENVIRONMENTAL	V7.9	<1.0	2	75	<1.0	<1.0	<1.0
19...	1210	REPLICATE	V7.5	<1.0	2	76	<1.0	<1.0	<1.0
AUG									
16...	1120	ENVIRONMENTAL	V2.5	<1.0	2	70	<1.0	<1.0	<1.0
SEP									
21...	1130	ENVIRONMENTAL	V1.3	<1.0	E1	73	<1.0	<1.0	<.80

DATE	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
FEB									
16...	<1.0	<1.0	<1.0	<1.0	1.9	1	<1.0	50	<1.0
16...	<1.0	1.0	<1.0	<1.0	2.1	<1	<1.0	48	<1.0
MAR									
15...	<1.0	<1.0	<1.0	<1.0	1.8	<1	<1.0	49	<1.0
APR									
21...	<1.0	1.4	<1.0	<1.0	1.1	<1	<1.0	V18	<1.0
MAY									
19...	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	V19	<1.0
JUN									
22...	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	V6.7	<1.0
JUL									
19...	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	V7.3	<1.0
19...	<1.0	<1.0	<1.0	<1.0	1.0	<1	<1.0	V7.2	<1.0
AUG									
16...	<1.0	<1.0	<1.0	<1.0	1.2	<1	<1.0	V5.8	<1.0
SEP									
21...	<1.0	<1.0	<1.0	<1.0	<1.0	<2	<1.0	V5.9	<1.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
25...	1110	ENVIRONMENTAL	205	156	14.4	8.2	370	10.2	170	50
NOV										
15...	1310	ENVIRONMENTAL	213	121	11.4	8.7	365	9.4	170	51
DEC										
13...	1420	ENVIRONMENTAL	226	108	11.7	8.6	390	3.5	180	53
JAN										
19...	1110	ENVIRONMENTAL	E192	110	12.2	8.5	480	3.0	190	54
FEB										
14...	1350	ENVIRONMENTAL	E48	128	13.2	8.4	610	5.0	250	71
MAR										
21...	1330	ENVIRONMENTAL	E85	118	12.3	8.4	464	5.2	200	58
APR										
24...	1420	ENVIRONMENTAL	77	126	11.3	8.6	420	11.0	180	52
MAY										
16...	1200	ENVIRONMENTAL	197	116	10.7	8.5	430	9.0	190	54
JUN										
12...	1431	FIELD BLANK	--	--	--	--	--	--	--	<.020
12...	1435	ENVIRONMENTAL	421	127	10.8	8.3	400	13.5	180	52
12...	1440	REPLICATE	421	--	--	8.3	400	13.5	190	53
JUL										
18...	1250	ENVIRONMENTAL	179	125	9.8	8.6	375	17.5	200	58
AUG										
23...	1220	ENVIRONMENTAL	205	133	10.3	8.2	394	18.0	190	55
SEP										
18...	1150	ENVIRONMENTAL	206	139	1.1	8.6	420	16.5	200	59

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
25...	11	1.4	.3	9.8	134	164	--	16	<.10	6.7	12
NOV											
15...	11	1.6	.3	10	159	183	6	14	.10	7.0	12
DEC											
13...	12	1.6	.4	12	168	198	3	18	.13	8.4	13
JAN											
19...	13	2.2	.5	16	184	214	5	31	.18	9.3	23
FEB											
14...	16	3.3	.8	29	200	231	6	57	.16	12	41
MAR											
21...	14	1.9	.5	16	181	213	4	31	<.10	8.7	22
APR											
24...	13	2.0	.5	17	164	189	6	30	.10	9.4	19
MAY											
16...	13	1.8	.4	13	176	215	--	22	.30	8.6	17
JUN											
12...	<.014	<.24	--	<.090	--	--	--	<.29	<.10	E.060	<.31
12...	13	1.5	.3	11	172	206	2	17	.14	7.8	13
12...	13	1.6	.3	11	171	203	3	17	<.10	7.9	13
JUL											
18...	13	1.5	.3	11	166	192	5	17	.16	7.9	12
AUG											
23...	12	1.5	.3	10	170	208	--	15	.44	7.8	11
SEP											
18...	13	1.8	.4	12	186	223	2	18	.15	9.4	13

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
25...	<.020	.26	.31	<.050	<.010	.017	.014	.036	.29	119
NOV										
15...	<.020	.21	.31	.108	<.010	.025	.019	.040	.30	125
DEC										
13...	.021	.19	.26	.203	<.010	.039	.034	.055	.33	148
JAN										
19...	.029	.24	.33	.347	<.010	.055	.047	.076	.38	E145
FEB										
14...	.066	.35	.43	.849	<.010	.096	.077	.124	.50	E47.3
MAR										
21...	.056	.27	.42	.262	<.010	.042	.031	.079	.37	E62.9
APR										
24...	.032	.33	.43	.135	<.010	.055	.041	.092	.35	53.8
MAY										
16...	.025	.24	.43	.133	<.010	.033	.019	.075	.35	138
JUN										
12...	<.020	<.10	<.10	<.050	<.010	<.006	<.010	<.008	--	--
12...	<.020	.25	.35	.051	<.010	.028	.021	.060	.32	265
12...	<.020	.23	.34	.054	<.010	.029	.022	.055	.31	261
JUL										
18...	<.020	.29	.36	.055	<.010	.051	.040	.071	.30	108
AUG										
23...	<.020	.23	.32	.075	<.010	.076	.061	.090	.31	128
SEP										
18...	<.020	.26	.29	.068	<.010	.049	.039	.071	.33	133

10130500 WEBER RIVER NEAR COALVILLE, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
25...	215	188	.77	E5.7	12	3.3	.40	--	--	--
NOV										
15...	218	204	1.6	E5.3	11	2.9	.30	1.7	3	23
DEC										
13...	242	220	1.3	E6.2	12	2.7	.30	3.1	5	78
JAN										
19...	280	260	1.4	E10	44	3.4	.40	E1.6	3	53
FEB										
14...	365	354	1.4	23	35	3.4	.30	E1.3	10	73
MAR										
21...	274	262	2.0	10	37	3.0	.99	E3.2	14	78
APR										
24...	260	242	2.3	<10	28	3.7	.70	3.3	16	77
MAY										
16...	259	237	3.5	<10	26	3.1	.95	11	20	80
JUN										
12...	<10	--	--	<10	<1.0	--	--	--	--	--
12...	233	218	1.4	<10	24	3.3	.30	19	17	43
12...	230	220	2.5	<10	25	3.2	.38	--	--	--
JUL										
18...	224	220	1.7	E7.6	22	3.4	.26	5.3	11	71
AUG										
23...	231	215	<.50	11	23	3.6	.31	4.4	8	70
SEP										
18...	239	238	1.4	E7.0	20	3.3	.30	2.8	5	100

DATE	TIME	SAMPLE TYPE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
OCT											
25...	1110	ENVIRONMENTAL	V1.3	<1.0	E2	84	<1.0	--	<1.0	<.80	<1.0
NOV											
15...	1310	ENVIRONMENTAL	<1.0	<1.0	2	84	<1.0	--	<1.0	<.80	<1.0
DEC											
13...	1420	ENVIRONMENTAL	V1.4	<1.0	E2	86	<1.0	--	<1.0	<.80	<1.0
JAN											
19...	1110	ENVIRONMENTAL	V1.8	1.0	E2	99	<1.0	--	<1.0	<.80	<1.0
FEB											
14...	1350	ENVIRONMENTAL	V1.8	1.6	3	57	<1.0	14	<1.0	<1.0	<1.0
MAR											
21...	1330	ENVIRONMENTAL	V1.7	1.0	3	95	<1.0	23	<1.0	<1.0	<1.0
APR											
24...	1420	ENVIRONMENTAL	V3.7	1.4	3	93	<1.0	25	<1.0	<.80	<1.0
MAY											
16...	1200	ENVIRONMENTAL	V16	1.1	2	82	<1.0	23	<1.0	<.80	<1.0
JUN											
12...	1431	FIELD BLANK	7.9	<1.0	<1	<1.0	<1.0	<12	<1.0	<.80	<1.0
12...	1435	ENVIRONMENTAL	V1.5	<1.0	1	83	<1.0	21	<1.0	<.80	<1.0
12...	1440	REPLICATE	V8.5	<1.0	1	83	<1.0	19	<1.0	<.80	<1.0
JUL											
18...	1250	ENVIRONMENTAL	V5.8	<1.0	2	82	<1.0	20	<1.0	<.80	<1.0
AUG											
23...	1220	ENVIRONMENTAL	<1.0	<1.0	2	88	<1.0	25	<1.0	<.80	<1.0
SEP											
18...	1150	ENVIRONMENTAL	V1.1	.69	2	101	<.06	30	E.03	<.80	.19

10130500 WEBER RIVER NEAR COALVILLE, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	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)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT												
25...	<1.0	<1.0	--	<1.0	<1.0	<2	<1.0	--	--	--	V10	<1.0
NOV												
15...	<1.0	<1.0	--	<1.0	1.1	<2	<1.0	--	--	--	V6.0	<1.0
DEC												
13...	<1.0	<1.0	--	<1.0	4.5	<2	<1.0	--	--	--	V17	<1.0
JAN												
19...	5.1	<1.0	--	<1.0	<1.0	<2	<1.0	--	--	--	46	<1.0
FEB												
14...	<1.0	<1.0	5	<1.0	<1.0	<1	<1.0	139	<.90	<1	54	<1.0
MAR												
21...	1.1	1.6	6	<1.0	2.2	<1	<1.0	227	<.90	<1	45	<1.0
APR												
24...	1.3	<1.0	6	<1.0	<1.0	<1	<1.0	209	<.90	<1	V17	<1.0
MAY												
16...	1.1	<1.0	6	<1.0	1.4	<1	<1.0	192	<.90	<1	V18	<1.0
JUN												
12...	<1.0	<1.0	<1	<1.0	<1.0	<1	<1.0	<.20	<.90	<1	4.4	<1.0
12...	<1.0	<1.0	6	<1.0	1.5	<1	<1.0	171	<.90	<1	V9.9	<1.0
12...	<1.0	<1.0	6	<1.0	1.4	<1	<1.0	169	<.90	<1	V9.1	<1.0
JUL												
18...	<1.0	<1.0	5	<1.0	<1.0	<1	<1.0	174	<.90	<1	V14	<1.0
AUG												
23...	<1.0	<1.0	6	<1.0	<1.0	<1	<1.0	188	<.90	2	V4.8	<1.0
SEP												
18...	.91	.70	7	.67	.70	M	<1.0	207	<.04	2	V3.7	.72

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	11.3	6.8	8.7	---	---	---	---	---	---
2	---	---	---	11.1	6.7	8.5	---	---	---	---	---	---
3	---	---	---	11.0	6.5	8.4	---	---	---	---	---	---
4	---	---	---	11.3	6.8	8.7	---	---	---	---	---	---
5	---	---	---	11.3	7.1	8.7	---	---	---	---	---	---
6	---	---	---	11.1	6.8	8.6	---	---	---	---	---	---
7	---	---	---	10.4	7.0	8.5	---	---	---	---	---	---
8	---	---	---	9.7	7.9	8.7	---	---	---	---	---	---
9	---	---	---	10.8	7.4	8.8	---	---	---	---	---	---
10	---	---	---	10.0	6.3	7.9	---	---	---	---	---	---
11	---	---	---	10.4	6.5	8.0	---	---	---	---	---	---
12	---	---	---	10.2	6.2	7.8	---	---	---	---	---	---
13	---	---	---	9.9	5.7	7.4	---	---	---	---	---	---
14	---	---	---	9.7	5.4	7.2	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	12.5	7.4	9.5	---	---	---	---	---	---	---	---	---
27	12.7	8.2	9.9	---	---	---	---	---	---	---	---	---
28	10.7	8.4	9.4	---	---	---	---	---	---	---	---	---
29	11.0	8.0	9.3	---	---	---	---	---	---	---	---	---
30	11.4	7.0	8.7	---	---	---	---	---	---	---	---	---
31	11.8	7.1	9.0	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

10130500 WEBER RIVER NEAR COALVILLE, UT--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	6.9	3.0	4.7	10.3	2.0	5.9	16.0	6.4	11.3
2	---	---	---	6.5	3.1	4.5	8.2	3.6	6.1	16.5	7.6	12.1
3	---	---	---	7.6	.9	4.2	11.8	3.6	7.6	17.5	8.2	12.8
4	---	---	---	8.6	1.2	4.9	13.1	3.6	8.4	17.6	9.0	13.4
5	3.9	.6	1.9	5.8	2.5	4.2	13.2	6.1	9.6	14.4	8.4	11.8
6	5.1	.6	2.5	5.1	1.5	3.4	11.3	4.1	7.9	12.7	7.6	10.5
7	5.1	.6	2.5	7.2	1.8	4.4	12.3	4.4	8.3	11.3	8.2	9.8
8	4.4	.9	2.4	7.2	2.3	4.6	12.4	3.3	7.9	11.6	6.9	9.2
9	7.5	.7	3.5	5.8	2.3	3.9	13.2	4.4	8.8	13.7	6.1	9.8
10	6.1	1.0	3.2	6.4	.7	3.6	12.9	4.1	8.5	14.6	7.8	10.5
11	6.7	1.8	3.7	5.5	.9	3.3	13.4	4.2	8.7	12.0	5.1	8.6
12	4.2	1.5	2.8	8.9	2.6	5.3	13.1	4.4	8.8	13.2	5.3	8.9
13	2.8	.0	1.6	8.4	1.4	4.9	12.3	5.0	8.8	14.3	5.1	9.7
14	6.9	1.8	4.0	5.5	2.2	3.9	9.8	5.8	7.4	14.9	6.7	10.8
15	4.1	2.3	3.0	7.3	2.6	4.7	9.8	4.8	7.1	13.4	7.8	10.3
16	3.6	1.7	2.6	7.9	1.0	4.5	9.6	4.5	7.4	9.9	6.2	8.3
17	3.7	2.2	2.8	7.2	2.6	4.8	11.2	5.9	8.3	13.2	5.9	9.2
18	6.4	1.7	3.5	8.9	2.2	5.4	9.2	5.6	7.1	13.2	7.6	10.0
19	4.8	.0	2.2	5.3	1.8	3.1	8.1	5.3	6.6	12.7	6.5	9.7
20	4.5	.1	2.3	5.1	1.0	2.7	13.5	4.1	8.7	15.5	6.7	10.6
21	7.8	2.3	4.7	7.0	.1	3.1	12.1	5.6	8.8	16.5	7.2	11.3
22	5.5	3.0	4.2	8.7	.7	4.7	11.6	6.9	9.2	15.4	7.6	11.3
23	4.5	1.4	2.8	8.6	2.0	5.6	11.0	6.5	8.9	16.5	7.9	11.8
24	4.8	2.3	3.2	9.0	3.0	6.1	12.7	6.5	9.5	13.1	8.4	10.6
25	4.2	.2	2.2	8.7	2.5	5.8	14.4	4.8	9.6	14.6	8.9	11.2
26	3.1	.0	1.3	11.0	3.9	7.3	15.9	6.4	11.2	14.6	8.7	11.1
27	5.0	1.4	3.1	10.7	3.1	7.1	16.7	6.7	11.8	17.3	7.8	12.0
28	5.8	2.5	3.8	8.4	5.3	6.7	14.3	7.2	11.1	17.8	9.0	13.0
29	7.5	1.8	4.4	9.2	2.3	5.8	12.7	6.9	9.7	17.8	8.7	12.8
30	---	---	---	6.5	2.3	4.6	14.8	5.1	10.0	17.3	8.1	12.3
31	---	---	---	8.9	1.4	5.0	---	---	---	16.2	8.1	11.8
MONTH	---	---	---	11.0	.1	4.7	16.7	2.0	8.6	17.8	5.1	10.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	6.7	11.3	18.4	11.3	14.2	20.8	13.7	16.7	17.5	14.8	15.8
2	17.3	7.8	12.1	18.2	11.2	14.2	20.2	14.0	16.8	19.2	13.2	16.1
3	17.6	7.9	12.3	17.6	10.9	13.7	20.4	14.9	17.4	19.9	13.4	16.3
4	17.9	7.9	12.4	17.9	10.6	13.7	21.0	14.9	17.4	20.0	13.4	16.4
5	17.1	8.2	12.4	18.1	10.3	13.7	20.5	14.0	16.9	19.5	13.7	16.4
6	17.9	8.2	12.6	18.4	10.4	13.9	21.2	13.4	16.9	19.2	13.4	16.0
7	16.0	8.1	11.7	19.1	10.4	14.3	21.2	14.3	17.3	19.2	12.3	15.5
8	14.4	9.0	11.1	17.8	11.2	14.2	20.8	13.7	16.8	17.6	13.2	15.1
9	12.7	8.6	10.3	19.1	12.3	15.2	20.8	14.9	17.4	19.1	13.2	15.7
10	14.1	8.4	10.6	17.3	12.4	14.5	21.5	15.4	17.8	19.4	12.3	15.6
11	14.1	8.6	11.0	19.9	11.6	15.2	21.5	15.1	17.8	19.4	12.4	15.8
12	13.7	9.0	11.0	20.2	11.2	15.2	21.2	13.7	17.1	20.2	12.9	16.2
13	14.8	9.5	11.6	20.4	11.6	15.6	21.2	14.0	17.1	19.9	12.9	16.0
14	15.2	8.9	11.5	19.7	12.7	15.8	21.8	13.7	17.3	20.5	13.1	16.4
15	15.2	9.5	11.7	17.3	12.7	15.0	19.2	14.8	16.7	19.9	13.1	16.2
16	14.4	9.2	11.1	18.6	13.1	15.4	21.2	15.4	17.7	19.9	13.1	16.2
17	14.6	9.0	11.3	20.0	13.4	16.0	21.2	14.8	17.4	19.1	13.4	15.9
18	13.4	9.3	10.9	20.2	12.4	15.9	19.4	15.1	16.8	18.4	13.2	15.7
19	15.1	10.3	11.9	20.5	12.1	15.8	21.2	14.8	17.3	17.6	12.4	15.1
20	17.3	9.0	12.5	20.5	11.6	15.7	21.0	14.3	17.2	18.9	12.9	15.6
21	18.4	8.6	12.9	20.7	11.8	15.8	21.0	13.5	16.8	15.4	12.9	14.1
22	18.4	9.2	13.4	20.2	11.8	15.7	20.2	14.1	16.6	14.3	10.7	13.6
23	18.4	10.1	13.6	21.0	12.4	16.2	18.7	14.9	16.8	12.4	9.0	10.5
24	18.7	10.4	14.1	21.0	12.6	16.4	21.8	15.1	17.8	15.4	10.4	12.3
25	18.2	11.0	14.4	20.5	12.6	16.0	19.7	14.8	17.0	16.2	9.9	12.6
26	16.5	10.9	13.4	20.8	13.5	16.5	19.7	15.7	17.3	16.7	10.4	13.1
27	17.5	10.7	13.7	21.0	12.9	16.6	20.4	15.4	17.3	16.8	10.3	13.2
28	18.1	10.3	13.7	20.5	12.9	16.3	20.4	15.2	17.6	16.7	11.5	13.7
29	18.4	10.6	13.9	20.8	12.9	16.5	20.4	15.9	17.6	16.8	11.2	13.8
30	16.5	10.6	13.3	21.0	13.1	16.6	18.4	16.2	17.1	16.8	11.2	13.6
31	---	---	---	21.3	13.5	16.9	18.6	16.0	16.9	---	---	---
MONTH	18.7	6.7	12.3	21.3	10.3	15.4	21.8	13.4	17.2	20.5	9.0	14.9

10131000 CHALK CREEK AT COALVILLE, UT

LOCATION.--Lat 40°55'14", long 111°24'03", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ 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 5,557.6 feet above sea level. Prior to February 13, 1931, nonrecording gage at site 100 ft upstream at different datum. February 13, 1931 to October 15, 1941, water-stage recorder at site 300 ft upstream at different datum. October 16, 1941 to September 30, 1987 at datum 3.0 ft lower.

REMARKS.--Records good. Diversions above station used for irrigation of land in the drainage basin above the station. Flow slightly affected by Chalk Creek Reservoir, capacity, 1,600 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 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 26	1150	*256	*4.35				

Minimum discharge, 4.7 ft^3/s, Feb 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

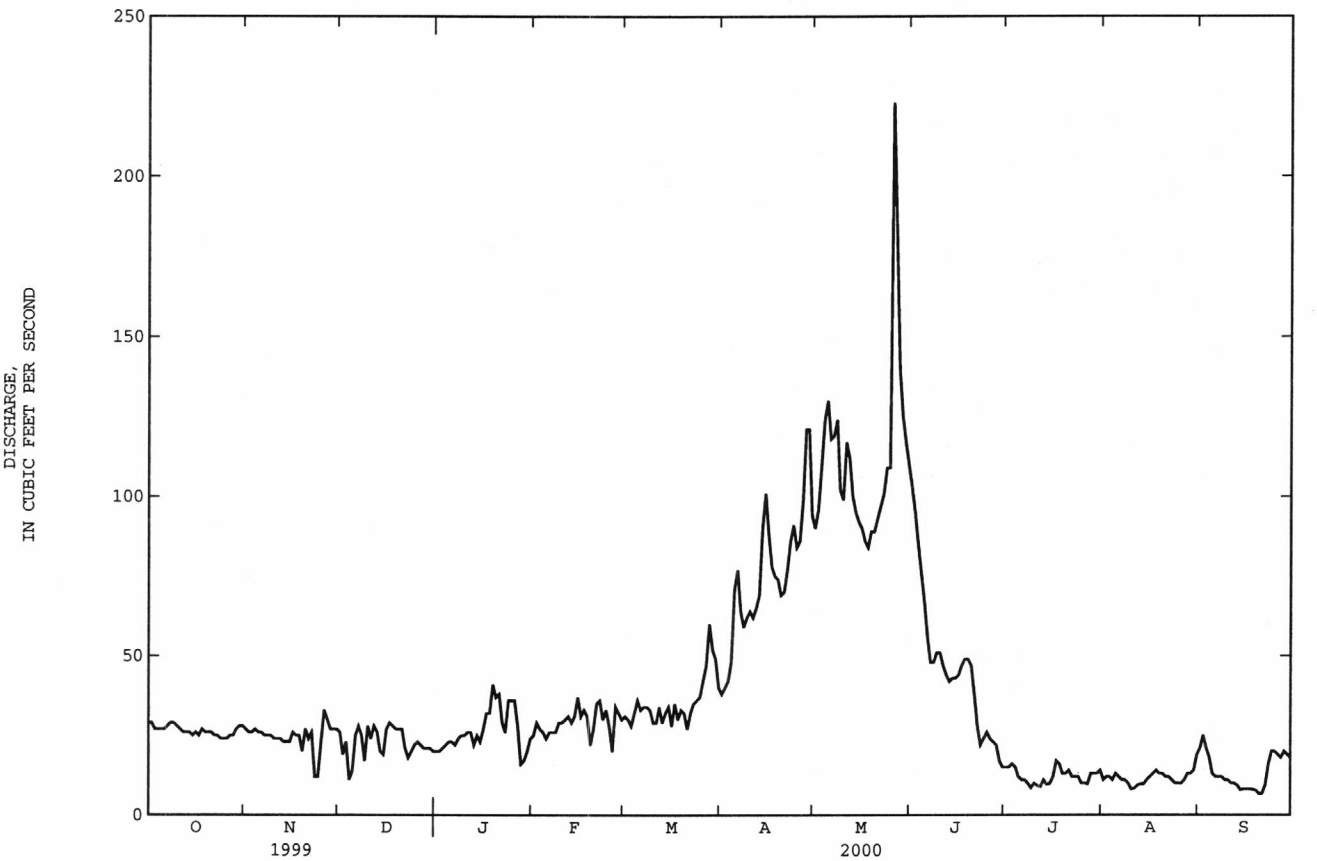
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	27	26	20	25	31	38	90	103	15	11	21
2	29	26	19	20	29	30	40	96	95	15	12	25
3	27	26	23	21	27	28	42	110	85	16	12	21
4	27	27	11	22	26	32	48	124	76	15	11	18
5	27	26	14	23	24	36	71	130	67	12	13	13
6	27	26	25	23	26	33	77	118	56	11	12	12
7	28	25	28	22	26	34	64	119	48	11	11	12
8	29	25	25	24	26	34	59	124	48	9.9	11	12
9	29	25	17	25	29	33	62	102	51	8.5	10	11
10	28	24	28	25	29	29	64	99	51	9.9	8.1	11
11	27	24	24	26	30	29	62	117	47	9.2	8.3	10
12	26	24	28	26	31	34	65	112	44	8.8	9.3	10
13	26	23	26	22	29	29	69	100	42	11	9.7	9.3
14	26	23	20	25	31	32	90	95	43	9.6	9.7	7.9
15	25	23	19	23	37	34	101	92	43	9.8	11	8.1
16	26	26	27	27	31	28	88	90	44	12	12	8.1
17	25	25	29	32	33	35	78	86	47	17	13	8.1
18	27	25	28	32	31	30	75	84	49	16	14	8.0
19	26	20	27	41	22	33	74	89	49	13	13	7.7
20	26	27	27	37	27	32	69	89	47	13	13	6.6
21	26	24	27	38	35	27	70	93	38	14	12	6.7
22	25	26	21	29	36	32	77	97	28	12	12	9.4
23	25	12	18	26	30	35	86	101	22	12	11	16
24	24	12	20	36	33	36	91	109	24	12	10	20
25	24	23	22	36	28	37	84	109	26	10	10	20
26	24	33	23	36	20	42	86	223	24	10	9.9	19
27	25	30	22	28	34	47	99	183	23	9.7	11	18
28	25	27	21	16	32	60	121	140	22	13	13	20
29	27	27	21	17	30	52	121	125	17	13	13	19
30	28	27	21	20	---	49	94	117	15	13	14	18
31	28	---	20	24	---	40	---	110	---	14	19	---
TOTAL	821	738	707	822	847	1093	2265	3473	1374	375.4	359.0	405.9
MEAN	26.5	24.6	22.8	26.5	29.2	35.3	75.5	112	45.8	12.1	11.6	13.5
MAX	29	33	29	41	37	60	121	223	103	17	19	25
MIN	24	12	11	16	20	27	38	84	15	8.5	8.1	6.6
AC-FT	1630	1460	1400	1630	1680	2170	4490	6890	2730	745	712	805

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2000, BY WATER YEAR (WY)

MEAN	22.0	24.1	21.3	21.1	24.0	40.7	118	285	182	48.6	24.2	22.0
MAX	66.7	60.3	54.2	49.8	94.6	168	378	775	812	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1928 - 2000	
ANNUAL TOTAL	38685		13280.3			
ANNUAL MEAN	106		36.3		69.5	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	826	May 25	223	May 26	1420	May 22 1993
LOWEST DAILY MEAN	11	Dec 4	6.6	Sep 20	1.0	Jun 8 1934
ANNUAL SEVEN-DAY MINIMUM	20	Dec 3	7.6	Sep 15	1.0	Aug 19 1934
ANNUAL RUNOFF (AC-FT)	76730		26340		50360	
10 PERCENT EXCEEDS	302		89		187	
50 PERCENT EXCEEDS	42		26		26	
90 PERCENT EXCEEDS	25		11		11	

10131000 CHALK CREEK AT COALVILLE, UT--Continued



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 April 18, 1931, staff gage at site 0.3 mi upstream at different datum. April 18, 1931 to March 23, 1950, water-stage recorder at site 0.1 mi downstream at different datum. March 24, 1950 to September 30, 1960 water-stage recorder at site 0.25 mi upstream at different datum.

REMARKS.--Records good except for estimated days, which are fair. Flow regulated by Echo Reservoir.

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 daily discharge, 589 ft^3/s, Aug 9; minimum daily discharge, 7.2 ft^3/s, Feb 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	87	59	210	199	187	197	46	328	540	556	83
2	351	87	59	251	185	186	197	60	341	533	554	83
3	350	87	59	231	186	186	184	103	341	530	572	82
4	347	87	59	137	186	186	146	140	414	533	577	117
5	348	87	59	137	186	186	101	138	508	543	533	171
6	349	86	60	137	186	186	59	100	530	551	532	258
7	351	85	59	135	176	186	50	108	511	562	531	301
8	350	85	60	136	7.2	186	76	68	499	578	566	278
9	346	85	59	136	7.6	186	85	54	492	585	589	273
10	346	87	59	136	7.6	186	76	78	457	551	563	259
11	354	91	59	137	7.6	186	70	91	445	505	561	254
12	356	95	58	137	8.0	186	79	84	435	e467	560	285
13	355	92	e58	137	8.0	186	123	66	425	e493	556	330
14	350	92	e58	137	8.5	186	61	78	473	e522	549	330
15	181	92	e58	137	25	186	37	109	470	507	540	318
16	111	92	e58	137	63	186	37	171	455	467	540	353
17	101	92	e58	137	74	186	38	220	455	454	536	379
18	94	92	e58	137	97	186	38	226	465	430	538	361
19	89	92	e59	137	117	186	39	226	455	413	506	339
20	89	92	e59	137	123	185	51	226	453	417	477	316
21	88	92	e60	138	123	194	77	227	482	450	493	260
22	87	91	e62	137	94	214	89	271	531	475	522	213
23	87	82	e63	138	124	221	57	285	516	509	517	144
24	87	60	63	146	123	220	44	277	515	520	491	111
25	87	60	63	163	153	221	45	270	526	524	456	111
26	87	60	63	170	171	207	45	214	558	e526	430	129
27	87	60	63	182	170	196	46	167	563	e526	420	105
28	87	59	63	204	e183	196	46	150	560	537	406	66
29	87	59	63	218	189	197	46	170	558	529	400	113
30	87	59	64	219	---	197	46	227	548	517	387	196
31	87	---	79	217	---	196	---	255	---	538	171	---
TOTAL	6527	2467	1881	4948	3187.5	5979	2285	4905	14309	15832	15629	6618
MEAN	211	82.2	60.7	160	110	193	76.2	158	477	511	504	221
MAX	356	95	79	251	199	221	197	285	563	585	589	379
MIN	87	59	58	135	7.2	185	37	46	328	413	171	66
AC-FT	12950	4890	3730	9810	6320	11860	4530	9730	28380	31400	31000	13130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932-58, 1989-2000, BY WATER YEAR (WY)

MEAN	121	95.3	91.6	96.2	113	120	184	537	731	510	430	286
MAX	297	183	247	296	547	560	580	2158	1682	1037	597	492
(WY)	1994	1939	1999	1997	1997	1996	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER Y		WATER YEARS 1932-58, 1989-2000	
ANNUAL TOTAL	135231.67		84567.5			
ANNUAL MEAN	370		231		277	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	1420	Jun 3	589	Aug 9	3010	May 7 1952
LOWEST DAILY MEAN	.21	Mar 31	7.2	Feb 8	.17	Jan 3 1991
ANNUAL SEVEN-DAY MINIMUM	26	Apr 17	7.8	Feb 8	.19	Dec 6 1992
ANNUAL RUNOFF (AC-FT)	268200		167700		200700	
10 PERCENT EXCEEDS	703		530		593	
50 PERCENT EXCEEDS	327		184		168	
90 PERCENT EXCEEDS	60		59		3.0	

e Estimated

10132500 LOST CREEK NEAR CROYDON, UT

LOCATION.--Lat 41°10'35", long 111°24'20", in $NW^1/_4NW^1/_4SE^1/_4$ sec. 8, T. 5 N., R. 5 E., Morgan County, Hydrologic Unit 16020101, on right bank 1,200 ft downstream from Lost Creek Dam, 1.9 mi upstream from Hell Canyon, 9.5 mi northeast of Croydon.

DRAINAGE AREA.--123 mi^2.

PERIOD OF RECORD.--February 1921 to December 1923, April 1941 to September 1967, October 1999 to September 30, 2000. Published as miscellaneous measurements 1988 to 1999.

GAGE.--Water stage recorder. Elevation of gage is 5,820 ft. Prior to August 26, 1954 to June 7, 1966 at various sites 1,000 ft downstream at different datums. Gage established at current datum June 1966.

REMARKS.--Records good. Lost Creek Reservoir completed January, 1967. Active reservoir storage began April 22, 1967.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 770 ft^3/s, May 10, 11, 18, 1923, gage height, 4.20 ft; minimum daily discharge, 0 ft^3/s, April 13-19, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 90 ft^3/s, Jul 28; minimum daily discharge, 10 ft^3/s, on several days Nov-May.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	11	10	e11	10	11	10	10	33	52	51	41
2	30	11	10	e11	10	10	10	10	53	52	51	41
3	30	11	e10	e11	10	10	10	10	54	52	51	41
4	23	11	e10	e11	10	10	10	10	54	52	51	41
5	11	11	e10	e11	10	10	10	10	61	52	51	41
6	11	11	e10	e11	11	10	10	10	66	52	51	41
7	11	11	e10	e11	11	10	10	10	66	52	52	41
8	11	11	e10	e11	11	10	10	10	66	52	52	41
9	11	11	e10	e11	11	10	10	10	66	52	73	41
10	11	11	e10	e11	11	10	10	10	66	52	68	41
11	11	11	e10	e11	11	10	10	10	66	52	52	57
12	11	11	e10	e11	11	10	10	10	58	52	52	53
13	11	11	e10	11	11	10	10	10	52	52	52	41
14	11	10	e10	11	12	10	10	10	52	52	52	41
15	11	10	e10	11	12	10	10	10	52	52	52	41
16	11	10	e10	11	12	10	10	11	52	52	52	41
17	11	10	e10	11	12	10	10	11	52	52	52	41
18	11	10	e10	11	11	10	10	11	52	52	46	41
19	11	10	e10	11	11	10	10	11	52	52	41	41
20	11	10	e10	11	11	10	10	11	52	52	41	41
21	11	10	e10	11	11	10	10	11	52	52	42	41
22	11	10	e10	11	11	10	10	11	52	52	42	41
23	11	10	e10	11	11	10	10	11	52	52	42	41
24	11	10	e10	11	11	10	10	11	52	52	42	41
25	11	10	e10	11	10	10	10	11	52	52	42	41
26	11	10	e11	11	10	10	10	11	52	52	42	41
27	11	10	e11	11	11	10	10	11	52	64	41	41
28	11	10	e11	11	11	10	10	11	52	90	41	41
29	11	10	e11	11	11	10	10	11	52	67	41	41
30	11	10	e11	11	---	10	10	11	52	51	41	41
31	11	---	e11	10	---	10	---	11	---	51	41	---
TOTAL	410	313	316	340	316	311	300	326	1645	1675	1500	1258
MEAN	13.2	10.4	10.2	11.0	10.9	10.0	10.0	10.5	54.8	54.0	48.4	41.9
MAX	30	11	11	11	12	11	10	11	66	90	73	57
MIN	11	10	10	10	10	10	10	10	33	51	41	41
AC-FT	813	621	627	674	627	617	595	647	3260	3320	2980	2500

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, 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, 167 ft^3/s, Jul 18-22; minimum daily discharge, 6.2 ft^3/s, Dec 4, 25, 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	8.4	6.9	6.5	6.9	43	64	30	30	77	106	81
2	35	7.0	6.7	6.7	6.9	43	65	30	30	77	106	65
3	33	6.9	6.3	6.7	6.9	43	65	30	31	77	105	65
4	33	7.0	6.2	6.8	6.9	43	65	30	31	77	104	65
5	33	7.0	6.4	7.0	7.0	43	65	30	31	76	104	65
6	33	7.0	6.6	6.8	7.0	43	65	30	31	76	104	65
7	33	7.0	6.8	7.0	6.9	43	41	30	31	76	104	65
8	34	7.0	6.5	6.9	6.9	43	30	30	30	75	103	64
9	31	7.0	6.4	6.8	7.0	43	30	30	30	75	103	64
10	30	7.0	6.7	6.9	7.0	49	30	30	30	74	103	64
11	30	7.0	6.7	6.5	7.0	50	30	30	30	74	102	58
12	30	7.0	7.0	6.4	7.0	50	30	30	34	103	102	55
13	30	7.0	6.9	6.4	7.0	50	30	30	53	113	102	50
14	30	7.0	7.0	6.3	7.1	50	30	31	70	134	101	48
15	30	7.0	7.0	6.7	7.1	50	30	31	77	141	101	48
16	33	7.0	7.0	6.9	21	50	30	31	77	141	101	48
17	34	7.0	7.0	7.0	29	50	30	31	77	160	100	48
18	30	7.0	6.8	7.2	37	50	30	30	77	167	100	50
19	28	6.8	6.7	7.0	42	50	30	30	76	167	100	50
20	21	7.0	6.7	7.0	42	50	30	30	76	167	100	50
21	19	6.9	6.6	7.0	43	50	30	31	76	167	91	50
22	16	6.9	6.4	7.0	43	51	30	31	76	167	87	46
23	14	6.7	6.3	7.0	42	52	30	31	77	166	100	44
24	14	6.5	6.3	7.0	42	52	30	31	77	152	105	45
25	14	6.8	6.2	7.0	42	52	30	31	77	147	119	40
26	14	6.6	6.2	7.0	42	53	30	31	76	147	123	37
27	13	6.6	6.3	7.0	42	61	30	30	76	147	123	27
28	13	6.4	6.3	7.0	43	64	30	30	77	133	123	24
29	12	6.4	6.5	7.0	42	64	30	30	77	128	123	19
30	11	6.6	6.4	6.9	---	64	30	30	77	127	123	17
31	11	---	6.4	6.8	---	64	---	30	---	112	123	---
TOTAL	781	207.5	204.2	212.2	656.6	1563	1120	940	1718	3720	3291	1517
MEAN	25.2	6.92	6.59	6.85	22.6	50.4	37.3	30.3	57.3	120	106	50.6
MAX	39	8.4	7.0	7.2	43	64	65	31	77	167	123	81
MIN	11	6.4	6.2	6.3	6.9	43	30	30	30	74	87	17
AC-FT	1550	412	405	421	1300	3100	2220	1860	3410	7380	6530	3010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

MEAN	26.2	14.4	15.5	17.7	27.0	46.9	72.7	87.0	101	109	110	69.0
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	26845.9		15930.5			
ANNUAL MEAN	73.6		43.5		58.2	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	230	May 20	167	Jul 18	768	May 5 1952
LOWEST DAILY MEAN	6.2	Feb 1	6.2	Dec 4	.20	Dec 19 1964
ANNUAL SEVEN-DAY MINIMUM	6.2	Feb 1	6.3	Dec 22	1.1	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	53250		31600		42160	
10 PERCENT EXCEEDS	158		103		153	
50 PERCENT EXCEEDS	50		30		30	
90 PERCENT EXCEEDS	6.7		6.7		4.6	

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. October 13, 1889 to July 11, 1903, nonrecording gage at site 1.2 mi downstream at different datum. June 22, 1919 to October 22, 1929, water-stage recorder at site 900 ft upstream at different datum. October 22, 1929 to November 27, 1964, at sites 1,300 ft downstream at different datums. November 27, 1964 to September 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.

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, 718 ft^3/s, May 26, gage height, 12.89 ft; minimum daily discharge, 84 ft^3/s, Dec 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	359	130	125	168	297	361	402	370	256	358	346	299
2	357	125	122	276	275	358	407	354	297	348	326	183
3	353	126	126	275	270	350	425	306	255	326	328	162
4	356	134	112	212	271	353	444	287	222	321	378	156
5	351	145	113	192	269	365	476	317	304	340	383	182
6	350	145	125	187	268	365	459	284	336	317	362	189
7	347	143	132	194	267	354	400	267	343	313	338	253
8	347	142	120	189	211	349	374	265	324	316	325	243
9	346	140	123	192	130	350	416	222	354	336	351	222
10	339	142	119	198	127	347	420	199	381	384	372	204
11	332	146	117	202	129	344	386	219	379	410	354	198
12	337	150	94	204	150	358	380	241	364	363	332	178
13	337	150	106	192	154	362	412	251	301	316	325	189
14	332	150	88	204	233	364	544	221	313	316	341	205
15	306	147	84	204	336	365	483	206	338	334	323	210
16	217	148	96	207	236	355	412	186	325	340	309	201
17	208	151	101	220	250	360	378	233	319	344	296	231
18	208	159	123	244	257	353	393	252	324	342	333	250
19	202	152	133	308	259	361	394	264	358	313	354	235
20	193	160	132	278	263	389	357	274	332	298	329	206
21	162	164	120	277	280	362	343	246	310	305	314	199
22	155	162	115	262	426	358	401	245	339	293	302	240
23	151	157	123	240	318	382	457	280	341	313	300	320
24	142	142	128	238	320	395	442	291	332	327	319	269
25	139	136	130	265	306	406	391	280	325	322	329	218
26	138	141	135	293	308	443	376	537	324	331	328	184
27	135	141	136	277	330	456	417	431	327	332	315	216
28	131	133	127	276	349	507	473	394	329	342	322	165
29	138	136	115	292	361	480	479	300	331	340	284	140
30	134	140	115	294	---	449	369	268	333	313	284	182
31	134	---	116	305	---	413	---	247	---	333	475	---
TOTAL	7736	4337	3651	7365	7650	11814	12510	8737	9716	10286	10377	6329
MEAN	250	145	118	238	264	381	417	282	324	332	335	211
MAX	359	164	136	308	426	507	544	537	381	410	475	320
MIN	131	125	84	168	127	344	343	186	222	293	284	140
AC-FT	15340	8600	7240	14610	15170	23430	24810	17330	19270	20400	20580	12550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2000, BY WATER YEAR (WY)

MEAN	245	210	224	241	296	514	996	1541	1144	544	456	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1921 - 2000	
ANNUAL TOTAL	219499		100508			
ANNUAL MEAN	601		275		565	
HIGHEST ANNUAL MEAN					1397	1986
LOWEST ANNUAL MEAN					143	1961
HIGHEST DAILY MEAN	2800	May 3	544	Apr 14	7390	May 5 1952
LOWEST DAILY MEAN	84	Dec 15	84	Dec 15	32	Jan 4 1993
ANNUAL SEVEN-DAY MINIMUM	98	Dec 11	98	Dec 11	35	Jan 31 1962
ANNUAL RUNOFF (AC-FT)	435400		199400		409400	
10 PERCENT EXCEEDS	1980		390		1340	
50 PERCENT EXCEEDS	383		296		359	
90 PERCENT EXCEEDS	134		133		102	

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 August 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 January 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, 315 ft^3/s, May 5, gage height, 2.86 ft; minimum daily discharge, 40 ft^3/s, Sep 16, 17, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	50	50	e49	53	71	107	121	87	81	83	48
2	48	50	50	e49	52	82	106	119	86	86	82	45
3	48	50	50	e49	52	82	108	117	86	87	82	44
4	48	50	49	e49	52	85	116	114	85	87	80	44
5	48	50	49	e49	52	89	137	249	79	75	80	44
6	48	50	50	e49	51	90	140	249	78	90	79	43
7	48	50	e52	49	52	87	132	239	82	91	79	42
8	48	50	e52	49	52	85	132	211	82	90	79	42
9	48	50	e52	51	52	84	139	192	84	90	79	42
10	48	50	e52	52	55	84	155	187	84	92	78	42
11	48	50	e50	52	55	83	164	182	82	91	76	42
12	48	50	e50	50	58	83	171	154	83	88	76	42
13	48	50	e50	51	58	83	179	157	82	86	76	43
14	48	50	e50	e50	59	83	200	165	79	85	75	43
15	48	50	e50	51	62	83	195	120	77	85	75	41
16	48	50	e50	52	62	82	180	134	77	85	75	40
17	49	50	e50	52	62	83	173	145	77	84	75	40
18	49	50	e50	57	60	82	176	139	77	84	75	40
19	48	50	e50	e60	58	83	170	143	76	84	74	41
20	47	50	e50	57	58	83	174	142	71	83	74	41
21	47	51	e50	57	63	81	185	139	72	83	73	41
22	49	52	e50	56	84	82	196	125	75	82	72	42
23	49	50	e50	53	75	83	198	117	74	82	71	46
24	49	49	e50	54	70	84	189	122	74	82	70	44
25	49	44	e50	56	67	86	181	128	74	86	69	44
26	50	45	e49	56	66	92	181	140	74	84	68	42
27	50	44	e49	54	64	102	179	133	77	84	68	42
28	50	44	e49	52	66	114	147	89	78	84	67	42
29	50	45	e49	53	66	111	137	107	81	84	67	42
30	50	49	e49	55	---	109	125	80	82	83	69	42
31	50	---	e49	55	---	110	---	84	---	83	63	---
TOTAL	1503	1473	1550	1628	1736	2721	4772	4543	2375	2641	2309	1276
MEAN	48.5	49.1	50.0	52.5	59.9	87.8	159	147	79.2	85.2	74.5	42.5
MAX	50	52	52	60	84	114	200	249	87	92	83	48
MIN	47	44	49	49	51	71	106	80	71	75	63	40
AC-FT	2980	2920	3070	3230	3440	5400	9470	9010	4710	5240	4580	2530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2000, BY WATER YEAR (WY)

MEAN	42.9	40.5	43.1	43.6	52.1	96.3	278	437	168	72.4	59.7	49.4
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1922 - 2000	
ANNUAL TOTAL	55793		28527			
ANNUAL MEAN	153		77.9		115	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	845	May 25	249	May 5	1640	May 5 1936
LOWEST DAILY MEAN	44	Nov 25	40	Sep 16	13	Feb 26 1977
ANNUAL SEVEN-DAY MINIMUM	46	Nov 24	41	Sep 15	13	Feb 28 1977
ANNUAL RUNOFF (AC-FT)	110700		56580		83640	
10 PERCENT EXCEEDS	500		139		276	
50 PERCENT EXCEEDS	85		68		52	
90 PERCENT EXCEEDS	48		47		32	

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, 1,430 ft^3/s, May 5, 1999, gage height, 6.90 ft; minimum daily, 4.0 ft^3/s, Jan 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 448 ft^3/s, Jun 28, gage height, 4.19 ft; minimum daily discharge, 7.5 ft^3/s, Jan 14, 15, Feb 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	12	e11	7.8	9.7	10	20	26	73	182	85	10
2	21	12	11	7.8	9.7	10	21	33	92	156	82	9.5
3	22	12	11	8.0	9.8	10	25	98	107	155	85	8.0
4	19	10	10	8.0	9.7	11	32	39	121	154	77	8.6
5	15	13	10	8.1	9.7	12	41	41	112	140	56	31
6	14	14	10	7.8	9.7	12	37	41	103	129	50	41
7	13	14	11	7.7	9.7	10	33	64	102	127	47	43
8	12	14	8.5	7.8	9.7	9.9	31	124	113	124	57	39
9	12	14	8.1	7.8	9.8	9.8	33	125	119	112	74	42
10	12	14	8.8	7.9	10	11	32	109	88	114	74	43
11	12	14	8.6	8.0	10	11	31	100	93	84	81	23
12	13	14	8.3	7.8	12	13	28	72	102	68	76	12
13	13	14	8.6	7.6	11	13	26	54	108	92	79	11
14	13	13	8.4	7.5	14	14	46	53	118	118	83	9.5
15	11	14	8.3	7.5	18	14	34	48	125	126	77	8.3
16	11	14	8.6	7.7	13	14	27	65	151	101	78	9.0
17	11	13	8.6	8.0	12	14	24	92	161	73	78	10
18	11	12	8.6	8.7	11	13	24	136	153	67	80	12
19	11	9.1	8.6	10	9.3	14	24	143	113	68	69	12
20	11	12	8.4	8.4	7.5	14	22	125	111	85	63	11
21	11	11	8.3	9.0	8.1	14	21	121	115	92	65	26
22	11	e11	8.3	8.5	13	14	21	123	147	93	57	28
23	11	e12	8.1	8.1	11	14	23	125	226	104	72	17
24	8.6	e11	8.0	8.1	9.8	15	23	108	281	106	64	9.3
25	9.1	e11	8.0	9.3	8.8	17	21	91	388	117	66	11
26	9.1	e11	8.0	9.1	8.2	22	21	66	409	90	60	11
27	9.7	e11	8.0	8.3	8.4	24	23	38	431	119	56	9.8
28	12	e11	8.0	7.8	9.2	32	25	39	438	86	56	9.1
29	12	e11	7.8	7.6	9.5	27	27	39	292	86	56	8.0
30	12	e11	7.8	7.6	---	23	26	42	206	85	55	27
31	12	---	7.8	8.9	---	20	---	60	---	85	16	---
TOTAL	395.5	369.1	272.5	252.2	301.3	461.7	822	2440	5198	3338	2074	549.1
MEAN	12.8	12.3	8.79	8.14	10.4	14.9	27.4	78.7	173	108	66.9	18.3
MAX	22	14	11	10	18	32	46	143	438	182	85	43
MIN	8.6	9.1	7.8	7.5	7.5	9.8	20	26	73	67	16	8.0
AC-FT	784	732	541	500	598	916	1630	4840	10310	6620	4110	1090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	13.6	9.99	23.4	15.9	38.5	142	213	350	214	134	135	52.4
MAX	23.8	14.4	170	80.6	175	475	613	1023	551	257	230	138
(WY)	1993	1989	1992	1997	1997	1997	1998	1999	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	68949.7		16473.4			
ANNUAL MEAN	189		45.0		112	
HIGHEST ANNUAL MEAN					234	1997
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	1370	May 6	438	Jun 28	1370	May 6 1999
LOWEST DAILY MEAN	7.8	Dec 29	7.5	Jan 14	4.0	Jan 10 1992
ANNUAL SEVEN-DAY MINIMUM	7.9	Dec 25	7.7	Jan 10	4.2	Jan 10 1992
ANNUAL RUNOFF (AC-FT)	136800		32670		81310	
10 PERCENT EXCEEDS	554		116		301	
50 PERCENT EXCEEDS	79		14		22	
90 PERCENT EXCEEDS	9.1		8.2		7.7	

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

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

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft above sea level. Prior to August 29, 1949, nonrecording gage at same site and datum, and August 30, 1949 to June 22, 1966, water-stage recorder on right bank 50 ft upstream at same datum. Prior to October 1, 1986 at datum 10.0 ft lower.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft^3/s, May 6, 1952, gage height, 19.01 ft datum then in use; practically no flow during latter part of several summers since 1915.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 957 ft^3/s, Aug 31, gage height, 16.09 ft; minimum daily discharge, 51 ft^3/s, Dec 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	232	190	e90	251	471	738	e167	60	145	96	503
2	240	222	184	e146	223	465	740	e88	91	159	99	291
3	278	214	184	e141	209	453	748	e98	120	142	90	232
4	271	190	180	e88	212	450	772	140	100	117	96	215
5	287	241	168	e68	207	470	810	126	109	124	123	194
6	267	265	179	e63	205	502	787	118	125	121	117	155
7	275	267	193	e70	203	486	718	108	142	106	107	157
8	283	258	e155	e65	256	462	696	171	121	85	83	209
9	277	252	e66	e68	247	663	710	205	130	102	64	188
10	271	244	e60	e74	206	693	659	135	140	75	66	177
11	268	248	e58	e78	150	576	448	192	134	144	79	164
12	281	251	e55	e80	298	675	583	180	122	112	94	150
13	283	256	e56	e70	299	686	497	184	115	76	91	124
14	294	264	e52	68	264	683	512	151	68	56	88	114
15	331	263	e51	85	448	695	553	120	94	60	96	118
16	251	271	e54	76	297	694	393	100	67	74	95	105
17	211	283	e57	91	326	716	327	94	84	82	92	102
18	203	322	e61	135	374	695	321	137	109	96	112	103
19	205	181	e71	213	375	686	336	171	102	80	154	114
20	185	217	e70	176	355	737	297	151	90	68	147	115
21	174	249	e58	236	367	704	253	153	97	75	115	108
22	162	231	e53	219	530	685	290	120	91	66	110	137
23	185	205	e61	184	476	703	411	125	108	57	90	235
24	184	180	e66	155	511	724	499	143	93	56	108	222
25	190	192	e68	258	477	726	419	126	73	60	103	186
26	204	203	e73	275	438	758	337	374	62	64	129	151
27	206	202	e74	242	435	773	295	376	54	92	132	136
28	255	196	e62	225	487	769	275	250	74	111	127	142
29	328	191	e53	231	485	846	379	176	116	114	120	115
30	218	200	e53	240	---	860	287	99	148	113	188	95
31	216	---	e63	250	---	784	---	81	---	99	680	---
TOTAL	7520	6990	2828	4460	9611	20290	15090	4859	3039	2931	3891	5057
MEAN	243	233	91.2	144	331	655	503	157	101	94.5	126	169
MAX	331	322	193	275	530	860	810	376	148	159	680	503
MIN	162	180	51	63	150	450	253	81	54	56	64	95
AC-FT	14920	13860	5610	8850	19060	40250	29930	9640	6030	5810	7720	10030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2000, BY WATER YEAR (WY)

MEAN	257	277	323	349	432	709	1102	1416	825	130	89.2	166
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1949 - 2000	
ANNUAL TOTAL	213546		86566			
ANNUAL MEAN	585		237		506	
HIGHEST ANNUAL MEAN					1427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	3220	May 3	860	Mar 30	9970	May 6 1952
LOWEST DAILY MEAN	51	Dec 15	51	Dec 15	1.0	Sep 1 1961
ANNUAL SEVEN-DAY MINIMUM	55	Dec 11	55	Dec 11	1.0	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	423600		171700		366500	
10 PERCENT EXCEEDS	1840		537		1370	
50 PERCENT EXCEEDS	249		180		201	
90 PERCENT EXCEEDS	91		68		51	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1974 to 1993, October 23, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1975 to September 1981, November 24, 1998 to September 30, 2000.

INSTRUMENTATION.--Temperature data logger.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 30.0°C, Jul 17, 2000; minimum, 0.0°C, Dec 31, 1978, Jan 1, 1979, Jan 31, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 30.0°C, Jul 17; minimum, 1.6°C, Jan 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
23...	1020	ENVIRONMENTAL	380	95	8.8	8.1	524	12.0	200	51
NOV										
23...	1240	ENVIRONMENTAL	266	87	8.9	8.0	678	7.4	250	64
DEC										
17...	1110	ENVIRONMENTAL	229	91	10.7	8.4	631	2.5	230	62
JAN										
22...	1050	ENVIRONMENTAL	567	92	10.5	8.3	601	3.5	210	57
FEB										
19...	1020	ENVIRONMENTAL	660	95	10.7	8.2	592	4.2	220	59
MAR										
18...	1010	ENVIRONMENTAL	1420	97	10.6	8.4	460	5.5	200	56
APR										
16...	1045	FIELD BLANK	--	--	--	--	--	--	--	<.020
16...	1300	ENVIRONMENTAL	350	128	12.4	8.2	535	10.4	200	52
16...	1301	REPLICATE	350	--	--	8.2	536	10.4	190	51
29...	1400	ENVIRONMENTAL	2160	--	10.6	8.1	341	8.8	140	39
MAY										
04...	1020	ENVIRONMENTAL	3130	100	10.2	8.3	362	7.2	140	40
12...	1050	ENVIRONMENTAL	2620	110	10.9	8.4	394	9.0	160	46
JUN										
16...	1050	ENVIRONMENTAL	733	105	8.9	8.1	400	15.4	170	47
JUL										
23...	1020	ENVIRONMENTAL	109	93	6.8	8.1	550	20.5	200	54
AUG										
19...	1320	ENVIRONMENTAL	125	87	7.7	8.0	580	21.2	200	55
SEP										
23...	1120	ENVIRONMENTAL	201	98	8.1	8.0	570	17.0	200	61

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT											
23...	17	4.1	1	31	185	226	--	49	.17	5.0	23
NOV											
23...	21	4.6	1	43	219	267	--	62	.18	7.3	30
DEC											
17...	19	3.8	1	34	198	238	1	54	.17	7.8	27
JAN											
22...	16	4.1	1	39	193	231	2	62	.16	8.4	23
FEB											
19...	18	3.6	1	33	210	256	--	51	.16	7.5	23
MAR											
18...	15	2.4	.6	20	177	215	--	34	.12	7.0	17
APR											
16...	<.004	<.10	--	<.060	--	--	--	<.10	<.10	.11	<.10
16...	17	3.6	1	34	171	209	--	52	.16	6.0	22
16...	16	3.7	1	34	172	210	--	51	.15	6.0	22
29...	11	2.1	.6	17	123	150	--	24	.11	8.0	13
MAY											
04...	11	2.5	.6	18	134	163	--	25	.12	8.5	13
12...	12	1.8	.6	17	144	175	--	27	.13	7.4	16
JUN											
16...	12	2.1	.6	17	154	188	--	25	<.10	7.3	14
JUL											
23...	16	3.8	.9	30	202	247	--	46	.11	8.9	20
AUG											
19...	16	4.1	.9	31	195	237	--	50	.16	8.4	20
SEP											
23...	13	4.1	1	32	207	253	--	50	.17	9.1	22

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
23...	.117	<.10	.47	.410	.081	.199	.194	.239	.42	320
NOV										
23...	.195	.47	.54	.836	.107	.277	.239	.285	.53	278
DEC										
17...	.299	.93	.69	.695	.087	.326	.262	.332	.49	223
JAN										
22...	.279	.49	.77	.674	.047	.168	.152	.236	.47	528
FEB										
19...	.168	.41	.61	.690	.033	.136	.116	.210	.47	609
MAR										
18...	.060	.25	.57	.320	.011	.066	.057	.177	.37	1040
APR										
16...	<.020	E.10	<.10	<.050	<.010	<.004	.014	<.004	--	--
16...	.096	.36	.71	.721	.019	.238	.195	.327	.42	289
16...	.098	.37	.65	.742	.018	.197	.205	.349	.42	289
29...	.100	.36	1.5	.379	.012	.065	.054	.458	.28	1200
MAY										
04...	.094	.35	.83	.382	.010	.073	.064	.281	.30	1830
12...	.045	.28	.50	.280	.012	.051	.038	.142	.30	1570
JUN										
16...	.033	.28	.39	.234	<.010	.035	.030	.096	.31	445
JUL										
23...	.274	.77	.66	.712	.067	.170	.149	.211	.42	91.8
AUG										
19...	.174	.44	.58	.465	.071	.193	.162	.258	.43	107
SEP										
23...	.178	.49	.63	.701	.114	.249	.227	.285	.44	176

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
23...	312	294	--	37	30	3.0	.60	21	20	--
NOV										
23...	387	368	--	49	31	2.7	.60	7.2	10	--
DEC										
17...	361	331	--	14	28	3.1	.40	2.8	4	--
JAN										
22...	345	329	--	10	24	3.1	1.4	55	36	--
FEB										
19...	342	325	--	E6.1	25	2.8	.90	61	34	--
MAR										
18...	271	259	--	<10	12	3.1	1.2	288	75	--
APR										
16...	<10	--	--	<10	<3.0	--	--	--	--	--
16...	306	293	--	11	28	3.7	.80	21	22	34
16...	306	290	--	14	27	3.7	.70	--	--	--
29...	206	189	--	E9.2	8.6	3.8	4.5	1690	289	75
MAY										
04...	217	200	--	10	8.8	4.2	2.2	1500	178	70
12...	222	215	--	<10	9.7	3.6	.80	552	78	56
JUN										
16...	225	219	--	<10	21	3.5	1.1	80	40	63
JUL										
23...	312	303	11	12	21	4.0	.70	4.1	14	89
AUG										
19...	316	304	2.9	12	17	3.8	--	3.4	10	83
SEP										
23...	324	319	6.0	13	25	4.1	.50	9.8	18	83

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
22...	1010	ENVIRONMENTAL	158	89	8.8	7.8	710	9.9	240	61
NOV										
18...	1110	ENVIRONMENTAL	315	88	9.0	7.9	505	8.0	190	51
DEC										
21...	1040	ENVIRONMENTAL	58	74	7.6	7.6	970	8.0	270	68
JAN										
25...	1030	ENVIRONMENTAL	E261	92	9.9	8.2	656	5.5	240	63
FEB										
29...	1050	ENVIRONMENTAL	491	97	10.4	8.1	696	5.8	250	66
MAR										
15...	1520	ENVIRONMENTAL	679	108	11.2	8.2	565	7.1	210	57
APR										
18...	1100	FIELD BLANK	--	--	--	--	--	--	--	<.020
18...	1110	ENVIRONMENTAL	E302	80	7.5	7.6	515	10.5	170	45
MAY										
24...	0950	ENVIRONMENTAL	140	79	6.3	7.8	650	18.5	170	44
JUN										
16...	1145	ENVIRONMENTAL	68	89	7.0	7.8	679	19.5	210	53
JUL										
26...	1440	ENVIRONMENTAL	68	117	8.2	8.2	670	25.0	200	51
AUG										
16...	1240	ENVIRONMENTAL	97	103	7.5	8.0	680	24.0	190	47
SEP										
11...	1030	FIELD BLANK	--	--	--	--	--	--	--	--
11...	1040	ENVIRONMENTAL	151	93	7.5	7.6	670	18.5	240	62
11...	1041	REPLICATE	--	--	--	--	--	--	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
22...	21	5.4	1	49	209	255	73	.18	7.0	31
NOV										
18...	15	4.7	.9	29	179	219	43	.16	6.4	20
DEC										
21...	25	9.2	3	96	258	315	130	.26	13	32
JAN										
25...	19	4.4	1	42	219	267	62	.19	9.4	26
FEB										
29...	21	5.3	1	45	229	280	73	.17	9.9	33
MAR										
15...	17	3.3	1	32	199	244	54	.15	8.0	24
APR										
18...	<.014	<.24	--	<.090	--	--	.62	<.10	<.090	<.31
18...	15	3.8	1	33	171	208	51	<.10	7.7	20
MAY										
24...	16	4.7	2	52	166	203	90	.13	3.7	20
JUN										
16...	19	5.2	2	55	190	232	85	.19	7.4	19
JUL										
26...	18	6.0	2	56	180	220	88	.22	7.3	20
AUG										
16...	18	5.7	2	57	174	212	90	.14	6.9	21
SEP										
11...	--	--	--	--	--	--	--	--	--	--
11...	20	1.4	1	44	219	267	66	.17	8.6	24
11...	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT										
22...	.391	.83	.95	.829	.186	.442	.396	.536	.53	167
NOV										
18...	.305	.75	1.1	.716	.080	.235	.193	.352	.40	250
DEC										
21...	2.25	3.6	3.5	3.51	.376	.954	.613	.875	.74	84.9
JAN										
25...	.525	.87	1.3	.873	.058	.247	.220	.567	.50	--
FEB										
29...	.253	.60	.92	.843	.047	.150	.122	.356	.55	540
MAR										
15...	.110	.45	.73	.641	.031	.013	.077	.171	.45	605
APR										
18...	<.020	<.10	<.10	<.050	<.010	<.006	<.010	E.004	--	--
18...	.383	.81	1.1	.583	.050	.165	.134	.289	.39	E236
MAY										
24...	.198	.62	.73	.231	.033	.114	.096	.168	.49	137
JUN										
16...	.499	.94	1.2	.605	.079	.223	.179	.334	.51	69.0
JUL										
26...	.269	.67	1.0	.280	.053	.148	.110	.233	.51	68.3
AUG										
16...	.219	.57	.68	.253	.043	.165	.102	.179	.50	95.3
SEP										
11...	--	--	--	--	--	--	--	--	--	--
11...	.550	1.1	1.2	.991	.142	.356	.306	.429	.51	152
11...	--	--	--	--	--	--	--	--	--	--

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	TURBIDITY (NTU) (00076)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
22...	391	379	2.0	86	51	4.0	.60	5.1	12	46
NOV										
18...	294	281	5.3	36	56	7.7	.70	14	16	55
DEC										
21...	547	550	3.4	88	104	6.6	.70	1.1	7	43
JAN										
25...	368	363	2.0	50	44	3.3	1.8	--	34	61
FEB										
29...	407	396	8.5	12	36	3.6	1.3	221	167	19
MAR										
15...	330	319	4.2	E8.2	--	3.4	1.9	77	42	79
APR										
18...	<10	--	--	<10	<2.2	--	--	--	--	--
18...	289	280	--	15	50	4.4	.96	E25	31	78
MAY										
24...	362	331	4.9	15	49	3.6	.53	6.4	17	95
JUN										
16...	376	361	3.3	22	71	4.0	.78	5.3	29	89
JUL										
26...	372	357	3.3	22	27	3.5	.84	4.4	24	81
AUG										
16...	364	352	<.50	12	12	3.8	.53	2.1	8	87
SEP										
11...	--	--	--	--	--	<.33	<.20	--	--	--
11...	373	364	4.0	24	34	3.9	.53	11	27	69
11...	--	--	--	--	--	4.1	.56	--	--	--

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)
OCT									
22...	1010	V4.0	<1.0	E2	102	<1.0	<1.0	<.80	<1.0

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT 22...	3.4	<1.0	3.9	1.5	<2	<1.0	V12	1.3

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.7	12.5	13.1	10.7	9.4	10.2	7.4	6.8	7.2	7.4	3.8	5.7
2	13.6	12.3	12.8	10.7	8.9	9.9	6.8	5.4	6.0	3.8	1.8	2.3
3	13.2	11.2	12.1	10.5	8.8	9.8	6.0	4.9	5.3	3.2	1.6	2.3
4	13.6	11.5	12.5	11.9	9.1	10.2	5.2	3.8	4.6	4.7	3.0	3.5
5	14.3	12.2	13.1	10.7	9.1	10.1	5.1	3.8	4.4	6.5	4.7	5.6
6	14.3	12.9	13.6	10.5	8.9	9.8	5.7	4.1	5.0	5.9	4.8	5.1
7	14.0	12.2	13.1	10.4	9.1	9.7	5.9	5.2	5.5	6.9	4.9	5.5
8	14.2	12.5	13.3	10.8	10.0	10.4	6.3	4.4	5.2	6.8	4.9	5.7
9	14.5	12.6	13.5	10.8	9.4	10.2	6.3	3.8	5.6	6.2	5.1	5.4
10	15.0	13.1	13.9	10.4	8.9	9.8	---	---	---	6.6	5.1	5.7
11	15.0	13.4	14.1	10.4	8.8	9.6	---	---	---	6.6	5.4	5.9
12	14.6	13.2	13.9	10.0	8.6	9.5	---	---	---	6.8	5.4	6.0
13	14.2	12.8	13.5	9.7	8.2	9.0	---	---	---	7.4	5.9	6.3
14	13.7	12.3	13.1	9.3	7.7	8.6	---	---	---	7.4	6.3	6.8
15	13.2	11.6	12.4	9.1	7.4	8.3	---	---	---	6.8	5.7	6.2
16	11.6	10.0	10.7	9.3	7.6	8.4	---	---	---	7.6	6.5	7.0
17	10.8	8.9	10.0	8.9	8.0	8.6	---	---	---	7.7	6.8	7.3
18	10.6	8.9	9.9	8.8	7.7	8.3	---	---	---	7.7	6.8	7.2
19	10.8	9.1	10.0	9.9	7.3	8.2	---	---	---	6.9	5.9	6.5
20	11.4	9.1	10.2	8.6	7.6	8.1	---	---	---	6.9	5.7	6.3
21	11.1	9.6	10.4	8.3	6.9	7.5	---	---	---	6.8	5.5	6.4
22	11.2	9.7	10.6	7.3	5.7	6.4	8.3	7.1	7.7	6.3	5.1	5.7
23	11.1	9.4	10.3	6.6	5.1	5.8	8.6	6.9	7.8	5.7	4.1	4.9
24	11.2	9.6	10.4	5.5	4.1	4.7	8.4	6.2	7.1	6.2	4.9	5.4
25	11.2	9.6	10.5	6.8	4.4	5.3	6.8	5.4	5.9	6.2	5.2	5.8
26	11.2	9.6	10.4	8.2	6.6	7.3	5.9	4.8	5.4	7.1	5.2	6.0
27	11.6	10.1	10.8	8.5	7.4	7.9	6.0	5.1	5.4	6.0	4.1	5.0
28	11.6	10.0	10.9	8.2	6.8	7.4	6.9	4.9	5.5	4.9	3.4	4.1
29	11.0	9.6	10.2	7.9	6.5	7.3	7.7	6.0	6.6	4.0	2.2	3.3
30	10.8	9.1	9.9	7.7	7.1	7.5	7.7	6.0	6.8	4.0	2.1	3.1
31	10.8	9.1	10.0	---	---	---	7.6	5.9	6.6	3.8	2.6	3.2
MONTH	15.0	8.9	11.7	11.9	4.1	8.5	---	---	---	7.7	1.6	5.3

10141000 WEBER RIVER NEAR PLAIN CITY, UT--Continued
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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	2.2	3.3	8.2	6.6	7.5	9.3	6.3	7.8	14.7	11.6	13.0
2	4.9	2.9	3.9	8.3	6.2	7.2	9.3	7.1	8.3	15.6	14.1	14.8
3	5.2	3.4	4.4	7.7	5.7	7.1	10.4	7.3	8.8	18.4	14.9	16.6
4	5.4	3.8	4.7	8.3	6.0	7.4	11.4	8.0	9.6	18.4	14.5	16.5
5	5.2	4.0	4.7	8.3	7.0	7.5	11.9	9.3	10.6	18.5	16.0	16.9
6	6.0	4.0	4.9	7.0	6.0	6.4	11.3	9.3	10.1	16.0	14.5	15.2
7	6.3	4.4	5.4	7.3	4.9	6.2	11.0	8.0	9.5	15.5	14.5	14.9
8	6.0	4.9	5.4	7.4	6.0	6.8	11.3	8.0	9.7	15.3	13.8	14.5
9	7.1	5.5	6.2	7.6	5.1	5.9	11.7	9.1	10.4	15.3	13.3	14.4
10	8.0	6.5	7.2	6.6	4.6	5.5	12.1	8.8	10.4	15.2	13.2	14.1
11	8.5	7.1	8.0	6.3	5.2	5.9	13.1	10.2	11.6	13.4	11.6	12.5
12	8.3	5.7	7.1	7.7	5.2	6.5	12.7	9.4	11.2	14.9	11.3	12.9
13	5.9	4.9	5.4	8.0	5.5	6.8	12.2	10.2	11.4	15.3	12.2	13.8
14	7.6	5.7	6.6	7.6	5.9	6.6	11.9	10.0	10.7	16.9	13.6	15.2
15	7.3	5.9	6.3	7.1	5.7	6.4	12.2	9.3	10.5	17.2	15.0	16.1
16	6.2	5.2	5.6	7.6	4.8	6.3	11.8	10.2	11.0	17.2	15.3	16.0
17	5.5	4.8	5.2	7.3	5.5	6.5	11.9	10.0	10.9	16.4	14.7	15.4
18	6.0	4.3	5.1	8.0	5.4	6.7	11.6	10.2	11.0	17.4	14.7	16.0
19	5.9	4.0	5.1	7.4	4.9	6.0	10.2	8.9	9.6	17.7	14.7	16.4
20	5.4	4.0	4.9	5.4	3.7	4.7	12.8	8.5	10.4	18.8	15.5	17.1
21	7.4	5.1	6.1	6.5	3.2	4.8	13.3	11.1	12.2	19.5	16.4	18.1
22	7.4	6.5	7.1	7.7	4.8	6.3	14.1	11.7	12.9	20.1	17.4	18.8
23	6.5	5.5	5.9	7.7	5.9	6.9	13.5	11.8	12.6	21.0	18.2	19.6
24	5.9	4.1	5.0	8.8	5.9	7.4	12.2	10.2	11.2	20.8	18.5	19.4
25	5.4	3.2	4.3	8.9	6.3	7.8	12.8	10.0	11.5	20.0	17.7	18.8
26	5.2	3.4	4.1	10.4	7.4	8.9	14.9	11.6	13.1	19.9	17.4	18.2
27	5.2	4.1	4.6	10.4	7.7	9.0	16.1	12.8	14.4	19.8	15.8	17.7
28	6.3	5.2	5.7	10.2	8.2	9.4	15.8	13.9	14.7	21.6	18.4	19.8
29	7.7	5.5	6.6	8.6	6.0	7.4	13.9	11.4	12.5	21.6	19.0	20.2
30	---	---	---	8.3	5.7	7.0	13.4	10.7	12.1	21.6	19.0	20.5
31	---	---	---	8.6	5.9	7.4	---	---	---	21.6	18.8	19.8
MONTH	8.5	2.2	5.5	10.4	3.2	6.8	16.1	6.3	11.0	21.6	11.3	16.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.8	17.7	18.9	21.1	19.2	20.1	25.9	23.6	24.5	19.4	18.0	18.4
2	21.0	18.0	19.4	22.8	20.1	21.3	26.2	24.2	24.8	18.7	18.0	18.3
3	21.8	18.7	20.3	23.0	19.7	21.2	26.1	24.2	24.9	19.2	17.7	18.4
4	22.1	19.7	21.0	22.1	20.1	20.9	26.2	24.0	24.9	20.1	18.4	19.2
5	22.1	19.8	21.0	22.1	20.0	20.9	26.1	24.0	24.8	20.6	19.2	19.8
6	22.8	19.5	21.2	22.5	20.3	21.2	26.1	23.6	24.5	19.9	18.7	19.3
7	22.6	19.8	21.3	23.0	20.6	21.6	25.9	23.5	24.3	19.3	18.4	18.9
8	22.1	19.8	20.8	23.5	21.0	21.8	25.7	23.0	24.0	19.3	18.4	18.8
9	21.0	18.0	19.0	23.6	21.5	22.3	25.5	23.0	23.9	19.0	17.7	18.4
10	19.8	16.4	17.9	23.6	21.6	22.1	26.1	22.6	24.3	18.8	17.4	18.2
11	20.6	17.5	19.2	23.0	21.3	22.0	26.4	23.8	24.8	19.3	18.0	18.7
12	20.6	18.7	19.5	23.8	21.0	22.1	25.7	23.3	24.3	20.0	18.5	19.3
13	19.5	17.2	18.6	25.0	21.8	23.0	25.4	22.8	23.8	20.3	19.2	19.7
14	21.0	18.4	19.7	25.5	22.3	23.5	25.2	22.6	23.7	21.0	19.5	20.1
15	21.3	19.3	20.3	25.4	21.0	23.3	25.2	22.8	23.6	21.3	19.8	20.4
16	20.1	18.4	19.3	25.5	23.0	23.9	25.2	22.6	23.7	21.6	20.0	20.6
17	20.0	17.9	19.1	30.0	22.8	25.4	25.7	23.1	24.1	21.8	20.3	20.8
18	19.3	17.4	18.5	25.5	22.6	23.8	25.0	23.3	23.9	20.8	19.7	20.3
19	19.3	17.4	18.2	26.1	22.8	24.0	24.3	22.5	23.1	20.5	19.5	19.9
20	19.8	17.5	18.4	26.1	22.5	23.8	24.3	22.1	22.9	20.0	18.8	19.3
21	21.3	17.7	19.2	25.9	22.5	23.8	24.0	21.3	22.4	18.8	18.0	18.5
22	22.3	18.7	20.3	26.1	22.5	23.9	23.6	21.5	22.2	18.0	16.5	17.4
23	23.1	20.1	21.5	26.1	22.6	24.0	23.6	21.5	22.3	16.5	13.3	14.9
24	24.0	20.8	22.1	26.2	22.8	24.1	24.0	21.6	22.6	13.3	12.4	12.7
25	24.5	21.0	22.4	26.1	22.6	24.0	24.0	22.1	22.8	13.8	12.4	13.1
26	23.1	20.3	21.7	25.7	23.0	24.0	23.1	22.1	22.5	14.9	13.3	14.1
27	23.5	20.5	21.7	25.4	22.0	23.7	29.7	20.8	23.5	15.8	14.7	15.2
28	23.1	20.6	21.6	25.0	23.0	23.8	23.8	21.6	22.6	16.3	15.5	15.8
29	22.6	20.6	21.4	25.4	23.3	24.0	23.5	22.1	22.5	17.4	16.1	16.7
30	21.5	20.2	20.7	25.4	23.1	23.9	22.5	21.1	21.8	18.0	16.8	17.2
31	---	---	---	25.7	23.3	24.2	21.1	19.0	20.0	---	---	---
MONTH	24.5	16.4	20.1	30.0	19.2	23.0	29.7	19.0	23.5	21.8	12.4	18.1

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in $SW^1/_4SW^1/_4SE^1/_4$ sec. 8, T. 2N S., R. 1 E., Davis County, Hydrologic Unit 16020102, 1.2 mi east of Centerville.

DRAINAGE AREA.--3.15 mi^2.

PERIOD OF RECORD.--October 1949 to September 1980, May 1, 1999 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. V-notch sharp crested weir since November 1960. Elevation of gage 4,680 ft above sea level, from topographic map. Prior to November 21, 1960, at site 250 ft downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 35 ft^3/s, about May 20, 1975; minimum daily recorded, 0.5 ft^3/s, Mar 16, 1975 and several days in 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7.2 ft^3/s, Apr 14, May 25, gage height, 1.22 ft; minimum daily discharge, 0.81 ft^3/s, Aug 14, 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.7	1.9	1.5	1.4	1.7	2.8	5.2	3.5	1.6	.92	e1.1
2	1.7	1.7	1.8	1.6	1.5	1.7	2.9	5.1	3.2	1.5	.93	e1.1
3	1.8	1.7	1.8	1.6	1.5	1.7	3.2	4.7	3.1	1.5	.95	e1.1
4	1.8	1.7	1.6	1.6	1.4	1.9	4.1	4.9	3.0	1.5	.94	e1.1
5	1.7	1.7	1.8	1.6	1.4	2.0	5.1	5.5	2.9	1.4	.87	e1.0
6	1.7	1.7	1.8	1.5	1.4	1.9	5.3	5.3	2.8	1.4	.84	e1.0
7	1.7	1.7	1.9	1.6	1.4	1.8	5.1	5.6	2.7	1.4	.83	e1.0
8	1.7	1.7	1.8	1.6	1.5	1.8	5.1	5.2	2.6	1.3	.83	1.0
9	1.7	1.7	1.8	1.6	1.5	1.8	5.4	5.0	3.2	1.3	.84	1.0
10	1.7	1.7	1.8	1.7	1.5	1.8	5.4	5.0	2.8	1.5	.86	1.0
11	1.7	1.7	1.7	1.8	1.6	1.7	5.4	4.9	2.7	1.4	.84	1.0
12	1.7	1.6	1.7	1.7	1.6	1.7	5.6	4.9	2.6	1.3	.84	1.0
13	1.7	1.6	1.8	1.7	1.7	1.8	5.8	4.5	2.5	1.3	.82	1.0
14	1.7	1.7	2.0	1.7	1.9	1.8	6.5	4.3	2.5	1.2	.81	.98
15	1.7	1.7	2.0	1.7	1.8	1.8	5.6	4.1	2.4	1.3	.87	.97
16	1.7	1.6	1.7	1.9	1.7	1.8	5.2	4.0	2.3	1.2	.94	.96
17	1.7	1.7	1.7	1.9	1.6	1.9	5.1	3.9	2.3	1.2	.92	.96
18	1.7	1.7	1.7	2.2	1.6	1.8	5.0	4.0	2.2	1.2	1.0	.99
19	1.7	1.7	1.6	2.1	1.5	1.8	4.5	3.8	2.2	1.2	1.2	1.0
20	1.7	1.7	1.6	1.7	1.6	1.7	4.4	3.7	2.1	1.1	1.1	1.0
21	1.7	1.7	1.6	1.8	1.8	1.8	4.6	3.7	2.1	1.1	1.0	1.1
22	1.7	1.7	1.5	1.6	1.9	1.9	5.2	3.7	2.0	1.1	.96	1.4
23	1.7	1.6	1.5	1.5	1.7	2.0	5.4	3.7	2.0	1.0	.97	1.4
24	1.7	1.6	1.6	1.5	1.4	2.0	5.4	3.8	1.9	1.1	.94	1.2
25	1.7	1.7	1.6	2.1	1.8	2.3	5.1	4.0	1.9	1.1	.90	1.2
26	1.7	1.8	1.6	1.8	1.7	2.8	5.3	4.2	1.8	.98	.89	1.2
27	1.7	1.7	1.5	1.6	1.7	3.2	5.5	4.2	1.8	.98	.87	1.1
28	1.7	1.7	1.5	1.4	1.7	3.6	5.8	4.0	1.7	.98	.83	1.1
29	1.7	1.7	1.5	1.5	1.7	3.4	5.6	3.8	1.7	.98	.81	1.0
30	1.7	1.8	1.5	1.5	---	3.2	5.3	3.8	1.7	.94	1.4	1.0
31	1.7	---	1.6	1.5	---	2.9	---	3.6	---	.93	1.2	---
TOTAL	52.9	50.7	52.5	52.1	46.5	65.0	150.7	136.1	72.2	37.99	28.92	31.96
MEAN	1.71	1.69	1.69	1.68	1.60	2.10	5.02	4.39	2.41	1.23	.93	1.07
MAX	1.8	1.8	2.0	2.2	1.9	3.6	6.5	5.6	3.5	1.6	1.4	1.4
MIN	1.7	1.6	1.5	1.4	1.4	1.7	2.8	3.6	1.7	.93	.81	.96
AC-FT	105	101	104	103	92	129	299	270	143	75	57	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2000, BY WATER YEAR (WY)

MEAN	1.38	1.43	1.40	1.40	1.45	1.95	4.88	10.6	6.47	2.40	1.45	1.29
MAX	2.22	2.06	2.00	2.23	2.25	5.49	10.2	21.1	17.4	6.31	3.00	2.10
(WY)	1976	1972	1972	1972	1971	1972	1974	1952	1975	1975	1975	1975
MIN	.82	.90	.89	.88	1.04	.88	1.92	2.07	.97	.56	.55	.65
(WY)	1962	1962	1955	1962	1964	1955	1961	1961	1961	1961	1961	1961

SUMMARY STATISTICS	FOR 2000 WATER YEAR		WATER YEARS 1950-80, 1999-2000	
ANNUAL TOTAL	777.57			
ANNUAL MEAN	2.12		2.99	
HIGHEST ANNUAL MEAN			4.99	1974
LOWEST ANNUAL MEAN			1.08	1961
HIGHEST DAILY MEAN	6.5	Apr 14	35	May 20 1975
LOWEST DAILY MEAN	.81	Aug 14	.50	Mar 16 1955
ANNUAL SEVEN-DAY MINIMUM	.83	Aug 8	.50	Jul 17 1961
ANNUAL RUNOFF (AC-FT)	1540		2170	
10 PERCENT EXCEEDS	4.5		7.4	
50 PERCENT EXCEEDS	1.7		1.6	
90 PERCENT EXCEEDS	1.0		1.0	

e Estimated

10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UT

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, 263 ft^3/s, May 1, 1998, gage height, 6.34 ft; minimum daily discharge, 2.0 ft^3/s, Dec 25-29, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83 ft^3/s, May 24, gage height, 5.48 ft; minimum discharge, 3.2 ft^3/s, Jul 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	3.9	3.7	3.9	3.8	4.1	6.5	17	23	7.8	5.2	6.7
2	3.5	3.5	4.0	3.9	3.8	4.1	6.5	19	19	7.3	5.1	7.0
3	3.5	3.7	3.4	3.8	3.8	4.1	6.5	22	18	7.1	5.2	6.3
4	3.7	3.6	3.4	4.3	3.8	4.1	7.5	27	16	6.9	5.4	5.9
5	3.9	3.7	3.6	4.3	3.8	4.3	13	33	15	6.5	5.3	5.5
6	4.0	3.7	3.5	3.7	3.6	4.3	15	31	14	6.7	5.1	5.4
7	4.3	3.8	3.4	3.6	3.6	4.3	15	29	12	6.8	5.3	5.4
8	4.1	3.7	3.4	3.6	3.6	4.3	15	26	11	7.1	4.8	5.4
9	3.9	3.6	3.4	3.6	3.6	4.3	15	21	9.8	6.8	4.9	5.5
10	3.9	3.6	3.4	3.6	3.7	4.4	14	20	8.0	5.9	5.3	5.5
11	3.9	3.6	3.4	3.6	3.8	4.5	14	22	7.7	5.4	5.2	5.6
12	3.7	3.6	3.6	4.5	3.9	4.5	14	19	7.8	5.7	5.1	5.6
13	3.6	3.7	3.6	4.1	3.8	4.4	15	16	8.4	5.7	5.7	5.9
14	3.6	3.8	3.6	4.1	3.9	4.5	18	14	8.4	5.9	5.7	5.8
15	3.6	3.8	3.7	4.0	3.8	4.4	17	14	8.7	5.9	5.7	5.8
16	3.8	3.7	3.6	3.9	3.8	4.4	13	14	8.4	5.8	5.8	5.5
17	3.8	3.6	3.6	3.9	3.9	4.6	11	15	8.4	5.4	5.9	5.5
18	3.8	3.6	3.6	4.0	3.9	4.3	12	13	8.4	5.4	5.8	6.0
19	3.8	3.4	3.6	4.0	3.9	4.3	10	11	8.8	5.7	5.8	6.0
20	3.7	3.5	3.7	3.9	3.9	4.3	8.7	12	8.7	5.7	5.8	6.0
21	3.6	3.8	3.9	3.8	4.0	4.3	9.3	15	8.7	5.0	5.8	6.4
22	3.6	3.7	3.8	3.8	4.0	8.1	11	21	8.5	5.2	5.8	7.0
23	3.6	3.4	3.6	3.8	3.9	8.2	17	28	7.9	5.3	5.9	7.6
24	3.6	3.4	3.8	3.8	3.9	3.9	12	50	7.7	5.4	5.8	7.3
25	3.6	3.4	3.9	3.8	3.9	3.9	12	54	8.0	5.5	5.5	7.0
26	3.6	3.4	4.0	3.9	3.9	3.9	13	50	8.0	5.4	5.6	6.9
27	3.6	3.6	3.8	3.8	3.9	5.9	18	37	8.4	5.6	6.5	6.4
28	3.6	3.7	3.8	3.8	4.1	4.8	24	36	8.0	5.5	6.4	5.6
29	3.6	3.9	3.6	3.8	4.1	4.2	26	41	8.0	5.4	6.3	5.6
30	3.6	3.8	3.6	3.9	---	3.9	20	37	8.1	5.2	6.8	5.5
31	3.8	---	3.6	3.8	---	5.5	---	29	---	5.2	6.9	---
TOTAL	117.5	109.2	112.6	120.3	111.4	143.1	409.0	793	310.8	184.2	175.4	181.6
MEAN	3.79	3.64	3.63	3.88	3.84	4.62	13.6	25.6	10.4	5.94	5.66	6.05
MAX	5.6	3.9	4.0	4.5	4.1	8.2	26	54	23	7.8	6.9	7.6
MIN	3.5	3.4	3.4	3.6	3.6	3.9	6.5	11	7.7	5.0	4.8	5.4
AC-FT	233	217	223	239	221	284	811	1570	616	365	348	360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	4.68	4.55	3.87	3.56	3.77	11.7	30.0	61.6	45.7	18.6	8.55	8.39
MAX	6.73	6.94	6.03	3.92	3.91	28.8	60.6	102	88.6	47.5	10.2	10.4
(WY)	1995	1995	1995	1995	1998	1997	1997	1998	1995	1995	1998	1999
MIN	2.80	3.23	2.30	2.94	3.38	3.46	10.1	20.2	8.42	5.94	5.66	5.84
(WY)	1994	1994	1994	1994	1999	1994	1994	1994	1994	2000	2000	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	4385.6		2768.1			
ANNUAL MEAN	12.0		7.56		17.1	
HIGHEST ANNUAL MEAN					27.9	1998
LOWEST ANNUAL MEAN					6.37	1994
HIGHEST DAILY MEAN	70	May 29	54	May 25	208	May 1 1998
LOWEST DAILY MEAN	2.5	Mar 16	3.4	Nov 19	2.0	Dec 26 1993
ANNUAL SEVEN-DAY MINIMUM	3.1	Mar 10	3.4	Dec 3	2.1	Dec 22 1993
ANNUAL RUNOFF (AC-FT)	8700		5490		12410	
10 PERCENT EXCEEDS	37		15		56	
50 PERCENT EXCEEDS	6.1		5.1		6.3	
90 PERCENT EXCEEDS	3.3		3.6		3.3	

10146000 SALT CREEK AT NEPHI, UT

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. December 2, 1950 to November 7, 1952, at a site 0.5 mi downstream at datum 31.96 ft lower. November 7, 1952 to November 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 and Dec 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 56 ft^3/s, May 25, gage height, 2.16 ft; minimum daily discharge, 5.3 ft^3/s, Nov 23, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6.3	6.0	6.2	6.5	7.3	9.3	21	27	9.2	7.6	8.8
2	7.4	5.7	6.7	6.3	6.5	7.0	9.8	23	23	9.1	7.6	9.0
3	6.4	5.5	6.1	6.0	6.5	7.0	9.7	25	20	9.1	7.1	8.5
4	6.3	5.5	5.5	6.0	6.5	7.0	9.1	30	18	9.1	7.0	8.3
5	6.3	5.5	5.5	7.0	6.6	7.2	12	33	17	9.0	7.0	7.9
6	6.3	5.7	6.2	6.1	6.6	7.1	14	32	16	8.9	7.0	7.6
7	6.3	5.6	6.0	6.0	6.5	6.9	16	30	15	8.9	6.6	7.3
8	6.3	5.7	6.0	6.0	6.6	7.0	16	28	14	8.9	6.6	7.3
9	6.2	5.5	5.8	5.8	6.6	7.3	17	23	13	9.1	6.7	7.3
10	6.0	5.5	6.0	5.8	6.8	7.1	16	21	12	8.8	7.0	7.3
11	6.0	5.4	5.7	5.9	7.2	6.9	15	24	9.9	7.9	7.0	7.1
12	6.0	5.5	5.7	6.3	7.8	7.0	15	21	9.4	e7.5	6.7	7.0
13	5.7	5.5	5.9	6.8	7.4	7.0	16	19	9.1	e7.0	7.1	7.1
14	5.6	5.5	5.7	6.6	8.8	7.0	19	17	9.1	7.0	7.3	7.1
15	5.5	5.6	5.7	6.6	8.2	7.0	19	16	9.1	7.2	7.2	7.0
16	5.5	5.5	6.0	6.6	7.2	6.8	16	16	9.1	7.3	7.3	7.3
17	5.6	5.5	6.0	6.7	7.4	6.8	15	17	9.1	7.3	7.3	7.3
18	5.7	5.5	5.7	7.0	7.5	6.7	14	16	9.2	7.3	7.3	7.4
19	5.7	5.5	6.0	7.0	6.9	6.7	14	15	9.6	7.3	7.3	7.6
20	5.7	5.5	6.0	6.6	6.8	7.0	12	15	9.5	7.1	7.3	7.6
21	5.7	5.6	6.3	6.7	7.7	6.9	11	14	9.4	7.2	7.0	7.9
22	5.7	5.8	6.3	6.8	8.3	7.6	12	19	9.5	7.1	7.0	8.3
23	5.7	5.3	6.3	6.6	7.3	11	15	28	9.3	7.0	7.1	9.1
24	5.7	5.3	5.9	6.6	7.4	8.3	15	40	9.3	7.0	7.3	9.1
25	5.7	5.6	6.3	8.1	7.0	7.0	14	50	9.1	6.9	7.1	8.8
26	5.7	5.6	6.4	8.4	6.9	7.0	14	47	9.1	6.0	7.2	8.6
27	5.7	5.7	6.3	7.1	7.1	8.1	16	39	9.7	7.2	7.6	8.5
28	5.7	5.7	6.3	6.8	7.3	8.8	24	36	9.2	7.9	8.0	7.8
29	5.7	6.0	6.1	6.6	7.0	8.5	30	38	9.1	8.0	8.0	7.4
30	5.7	6.1	6.0	6.6	---	7.6	24	37	9.2	8.0	8.6	7.3
31	5.7	---	6.0	6.8	---	7.8	---	33	---	8.0	9.3	---
TOTAL	188.2	168.2	186.1	204.4	206.9	228.4	458.9	823	361.0	243.3	226.2	234.6
MEAN	6.07	5.61	6.00	6.59	7.13	7.37	15.3	26.5	12.0	7.85	7.30	7.82
MAX	11	6.3	6.7	8.4	8.8	11	30	50	27	9.2	9.3	9.1
MIN	5.5	5.3	5.5	5.8	6.5	6.7	9.1	14	9.1	6.0	6.6	7.0
AC-FT	373	334	369	405	410	453	910	1630	716	483	449	465

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-80, 1993-2000, BY WATER YEAR (WY)

MEAN	10.8	10.3	9.68	9.57	10.5	14.7	43.9	82.8	60.7	27.7	15.4	12.5
MAX	26.0	19.7	16.4	17.0	18.6	30.9	172	276	132	70.8	50.9	32.9
(WY)	1953	1953	1953	1970	1971	1997	1952	1952	1952	1952	1952	1952
MIN	4.57	5.19	3.66	4.45	4.73	5.79	6.98	12.5	10.1	6.89	5.91	5.43
(WY)	1978	1978	1994	1994	1995	1994	1961	1977	1994	1994	1993	1977

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951-80, 1993-2000	
ANNUAL TOTAL	5646.2		3529.2			
ANNUAL MEAN	15.5		9.64		25.9	
HIGHEST ANNUAL MEAN					66.1	1952
LOWEST ANNUAL MEAN					8.11	1994
HIGHEST DAILY MEAN	91	May 29	50	May 25	580	May 2 1952
LOWEST DAILY MEAN	5.3	Nov 23	5.3	Nov 23	1.7	Dec 13 1961
ANNUAL SEVEN-DAY MINIMUM	5.5	Nov 9	5.5	Nov 9	3.0	Dec 24 1993
ANNUAL RUNOFF (AC-FT)	11200		7000		18790	
10 PERCENT EXCEEDS	43		16		65	
50 PERCENT EXCEEDS	8.7		7.1		13	
90 PERCENT EXCEEDS	5.7		5.7		7.0	

e Estimated

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE$^1/_4$SW$^1/_4$NW$^1/_4$, sec. 6, T. 12 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on left bank 40 ft upstream from bridge crossing, 800 ft downstream from Burriston ponds, 0.5 mi upstream from Mona Reservoir, 1 mi southwest of Mona.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WDR UT-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,890 ft above 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 estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft^3/s, May 14, 1984, gage height, 6.30 ft; minimum, 1.4 ft^3/s, Aug 11, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 159 ft^3/s, Feb 12, gage height, 6.11 ft; minimum discharge, 1.4 ft^3/s, Aug 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

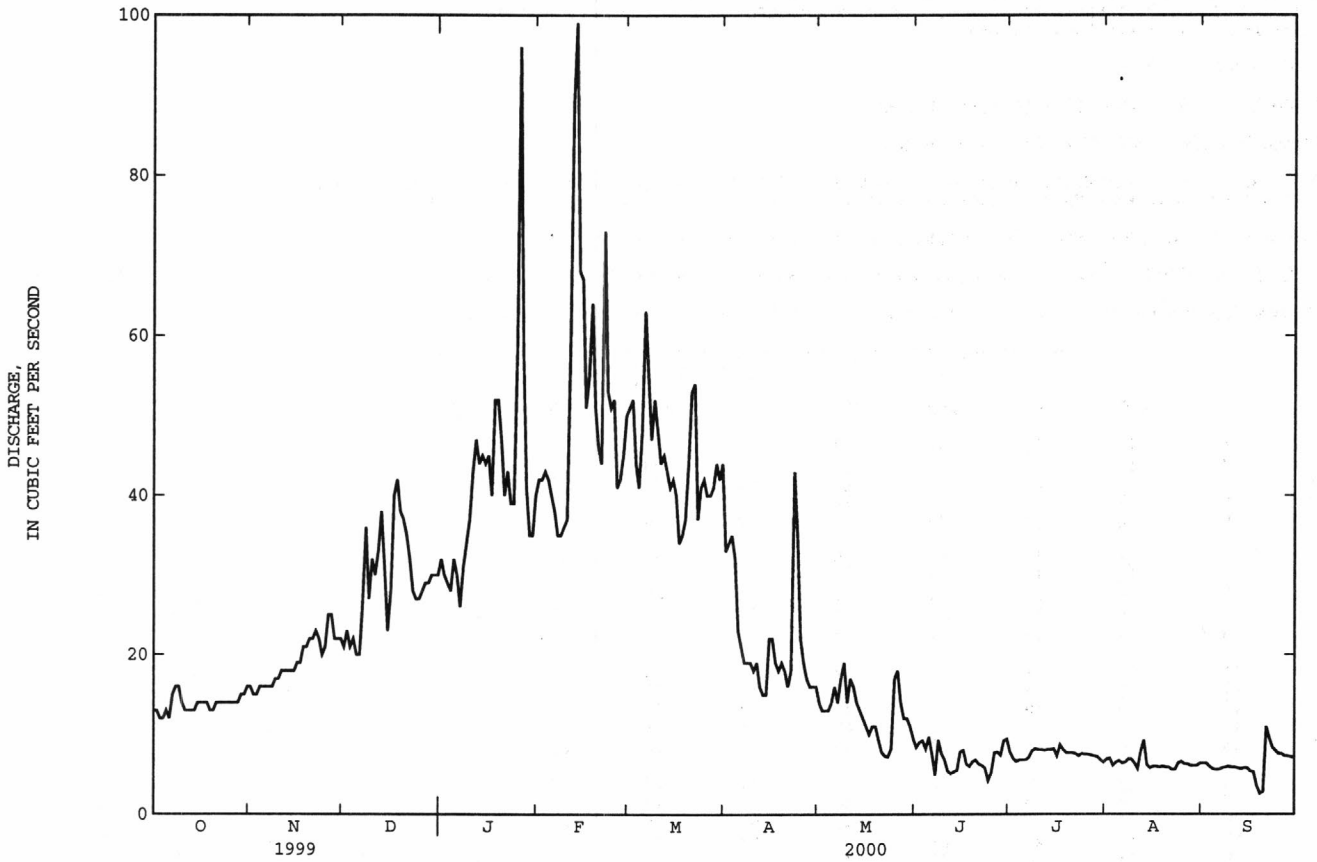
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	21	32	42	51	33	14	8.4	7.8	6.9	6.4
2	13	15	23	30	42	52	34	13	9.0	7.0	7.0	6.4
3	12	15	21	29	43	44	35	13	9.2	6.6	6.1	6.0
4	12	16	22	28	42	41	32	13	8.2	6.8	6.5	5.7
5	13	16	20	32	40	48	23	14	9.7	6.8	6.7	5.6
6	12	16	20	30	38	63	21	16	7.5	6.8	6.4	5.6
7	15	16	27	26	35	55	19	14	4.9	7.1	6.5	5.8
8	16	16	36	31	35	47	19	17	9.3	7.9	6.9	5.9
9	16	17	27	34	36	52	19	19	7.6	8.2	6.9	6.0
10	14	17	32	37	37	48	18	14	6.8	8.1	6.4	5.9
11	13	18	30	43	59	44	19	17	5.4	8.1	5.7	5.9
12	13	18	33	47	89	45	16	16	5.1	8.0	7.9	5.8
13	13	18	38	44	99	43	15	14	5.3	8.1	9.3	5.7
14	13	18	31	45	68	41	15	13	5.5	8.1	6.2	5.8
15	14	18	23	44	67	42	22	12	7.8	8.2	5.8	5.8
16	14	19	28	45	51	40	22	11	8.0	7.3	6.0	5.4
17	14	19	40	40	55	34	19	10	6.3	8.7	6.0	5.3
18	14	21	42	52	64	35	18	11	6.0	8.1	5.9	3.6
19	13	21	38	52	51	37	19	11	6.6	7.7	6.0	2.6
20	13	22	37	47	46	44	18	9.3	6.8	7.7	5.9	2.8
21	14	22	35	40	44	53	16	7.8	6.3	7.7	5.9	11
22	14	23	32	43	73	54	18	7.3	6.1	7.6	5.6	9.5
23	14	22	28	39	53	37	43	7.2	5.8	7.3	5.6	8.4
24	14	20	27	39	51	41	35	8.2	4.2	7.6	6.4	8.0
25	14	21	27	58	52	42	22	17	5.2	7.5	6.6	7.6
26	14	25	28	96	41	40	19	18	7.7	7.5	6.3	7.6
27	14	25	29	58	42	40	17	14	7.8	7.4	6.3	7.3
28	14	22	29	41	45	41	16	12	7.4	7.3	6.1	7.3
29	15	22	30	35	50	44	16	12	9.2	7.2	6.1	7.2
30	15	22	30	35	---	42	16	11	9.4	6.8	6.1	7.1
31	16	---	30	40	---	44	---	9.5	---	6.5	6.4	---
TOTAL	428	576	914	1292	1490	1384	654	395.3	212.5	233.5	198.4	189.0
MEAN	13.8	19.2	29.5	41.7	51.4	44.6	21.8	12.8	7.08	7.53	6.40	6.30
MAX	16	25	42	96	99	63	43	19	9.7	8.7	9.3	11
MIN	12	15	20	26	35	34	15	7.2	4.2	6.5	5.6	2.6
AC-FT	849	1140	1810	2560	2960	2750	1300	784	421	463	394	375

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2000, BY WATER YEAR (WY)

MEAN	20.6	26.6	28.2	32.5	42.4	51.5	50.5	53.6	33.8	13.5	11.9	13.8
MAX	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
(WY)	1985	1984	1984	1986	1986	1985	1985	1984	1983	1983	1984	1984
MIN	6.26	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1979 - 2000	
ANNUAL TOTAL	10270.0		7966.7			
ANNUAL MEAN	28.1		21.8		31.5	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					7.87	1992
HIGHEST DAILY MEAN	212	May 4	99	Feb 13	566	May 14 1984
LOWEST DAILY MEAN	4.7	Aug 23	2.6	Sep 19	1.5	Nov 4 1992
ANNUAL SEVEN-DAY MINIMUM	7.3	Aug 18	4.5	Sep 14	1.8	Nov 4 1992
ANNUAL RUNOFF (AC-FT)	20370		15800		22820	
10 PERCENT EXCEEDS	55		44		68	
50 PERCENT EXCEEDS	21		16		17	
90 PERCENT EXCEEDS	9.8		6.0		6.8	

10146400 CURRANT CREEK NEAR MONA, UT--Continued



10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT

LOCATION.--Lat 40°07'05", long 111°18'50", in $NE^1/_4NE^1/_4SE^1/_4$ sec. 13, T. 8 S., R. 5 E., Utah County, Hydrologic Unit 16020202, on left bank 400 ft upstream from Syar Tunnel.

DRAINAGE AREA.--15 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above sea level, from topographic map.

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, 98 ft^3/s, Nov 24, 1998, gage height, 4.90 ft; minimum, 3.0 ft^3/s, Mar 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 69 ft^3/s, Jul 26, gage height, 4.86 ft; minimum discharge, 3.0 ft^3/s, Mar 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	6.1	e5.4	e4.4	e5.1	5.5	e7.3	41	38	38	36	33
2	37	6.1	e5.4	e4.4	e5.2	5.4	e7.6	41	39	37	36	33
3	14	6.1	e5.3	e4.3	e5.1	5.9	e8.5	41	39	38	36	32
4	6.9	e6.0	e5.3	e4.3	e5.0	6.0	e9.4	41	39	36	37	32
5	6.8	e5.9	e5.3	e4.3	e5.0	6.1	10	41	39	36	36	32
6	6.7	e6.3	e5.3	e4.4	e5.0	5.7	11	40	39	36	34	32
7	6.7	e6.0	e5.3	e4.5	e5.0	6.0	10	40	39	36	33	32
8	6.9	e6.0	e5.2	e4.5	e5.0	5.4	11	40	38	36	33	33
9	6.9	e5.9	e5.2	e4.6	5.0	5.9	11	40	38	36	31	33
10	6.9	e5.8	e5.1	e4.8	5.1	5.5	11	40	e38	36	31	33
11	6.9	e5.6	e5.0	e4.9	5.6	6.3	11	40	38	37	31	32
12	6.6	e5.5	e5.0	e5.0	5.6	5.7	11	39	38	36	31	32
13	6.6	e5.5	e4.7	5.0	5.4	5.8	12	40	38	35	31	32
14	6.6	e5.6	e4.6	5.0	5.7	5.6	13	40	38	35	31	32
15	6.4	e5.6	e4.6	5.0	5.7	5.5	12	40	39	35	31	32
16	6.3	e5.5	e4.7	5.2	5.4	6.2	11	39	38	36	31	31
17	7.5	e5.5	e4.7	5.5	5.0	5.2	11	39	39	35	31	32
18	6.9	e5.8	e4.8	6.5	4.7	5.1	12	39	40	34	31	31
19	6.6	e5.6	e4.8	6.5	e4.7	5.4	32	39	39	33	34	32
20	6.5	e5.5	e4.8	5.4	e4.7	5.8	40	38	39	35	33	32
21	6.5	e5.4	e4.7	5.4	e4.7	6.2	41	38	39	33	e33	32
22	6.4	e5.1	e4.7	5.2	e4.8	5.5	41	38	39	33	e33	32
23	6.5	e5.2	e4.7	e5.4	4.9	5.4	42	e38	39	33	e33	33
24	6.4	e5.1	e4.7	e5.4	5.1	5.5	41	38	38	34	33	32
25	6.3	e5.2	e4.7	e5.3	e4.9	5.9	41	38	39	34	33	32
26	6.3	e5.2	e4.7	5.1	e4.7	6.9	41	e38	39	35	34	32
27	6.3	e5.2	e4.6	e5.0	e4.7	7.7	42	38	39	35	32	32
28	6.5	e5.3	e4.6	e5.2	4.8	8.3	42	38	38	41	32	32
29	6.3	e5.4	e4.5	e5.0	5.2	e8.6	41	38	38	38	32	32
30	6.6	e5.5	e4.5	e5.0	---	e8.0	41	38	38	37	33	33
31	6.2	---	e4.5	e5.2	---	e7.2	---	37	---	37	32	---
TOTAL	273.0	168.5	151.4	155.7	146.8	189.2	674.8	1215	1158	1106	1018	965
MEAN	8.81	5.62	4.88	5.02	5.06	6.10	22.5	39.2	38.6	35.7	32.8	32.2
MAX	37	6.3	5.4	6.5	5.7	8.6	42	41	40	41	37	33
MIN	6.2	5.1	4.5	4.3	4.7	5.1	7.3	37	38	33	31	31
AC-FT	541	334	300	309	291	375	1340	2410	2300	2190	2020	1910

e Estimated

10149500 DIAMOND FORK BELOW RED HOLLOW, NEAR THISTLE, UT

LOCATION.--Lat 40°04'43", long 111°24'32", in SE$^1/_4$NW$^1/_4$NW$^1/_4$ sec. 32, T. 8 S., R. 5 E., Utah County, Hydrologic Unit 16020202, 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 5,300 ft above sea level, from topographic map. Prior to December 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, Jul 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, 576 ft^3/s, Jun 26, gage height, 2.69 ft; minimum daily discharge, 11 ft^3/s, Jan 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	17	15	e14	e12	15	21	165	254	369	401	158
2	115	17	15	e15	e13	15	22	213	269	326	407	143
3	65	17	16	e15	e13	15	23	208	303	358	390	140
4	20	17	13	e14	e13	16	30	209	289	305	381	140
5	19	17	20	e14	e12	17	40	240	316	315	390	144
6	18	17	17	e13	e13	16	41	236	379	292	374	143
7	18	17	18	e13	e14	16	39	204	416	301	331	156
8	18	16	16	e13	e14	16	38	201	441	341	282	170
9	18	16	18	e14	e13	17	41	178	414	327	292	164
10	18	16	17	e14	e13	16	40	157	439	326	286	154
11	18	16	15	e14	e13	16	38	129	416	331	264	151
12	17	16	16	e13	e13	18	41	107	426	345	263	139
13	17	16	16	e13	e13	16	42	80	445	342	252	136
14	17	16	15	e13	e14	16	49	77	444	348	263	150
15	17	16	18	e14	e14	16	47	75	467	352	276	166
16	17	16	18	e14	e14	16	43	74	483	364	267	190
17	17	16	16	e13	e13	16	42	77	479	369	256	178
18	18	16	16	e13	e13	16	45	107	417	370	258	171
19	17	16	15	e12	e14	16	59	133	443	396	289	174
20	17	17	15	e12	e14	17	68	202	374	392	280	175
21	17	16	15	e13	e14	16	70	212	327	379	278	163
22	17	16	15	e13	16	16	72	224	329	389	269	158
23	17	14	e16	e12	15	17	77	254	298	389	271	142
24	17	15	17	e12	15	18	78	299	278	357	272	112
25	16	17	14	e13	15	18	77	316	254	436	251	106
26	17	17	e14	e12	15	21	89	257	274	474	196	105
27	e16	16	e14	e12	16	25	194	218	365	457	205	104
28	17	16	e14	e12	15	27	173	162	372	450	192	104
29	17	16	e13	e11	15	25	193	159	403	411	177	104
30	17	16	e13	e12	---	24	168	161	409	406	177	82
31	17	---	e13	e12	---	21	---	208	---	413	174	---
TOTAL	819	487	483	404	401	550	2000	5542	11223	11430	8664	4322
MEAN	26.4	16.2	15.6	13.0	13.8	17.7	66.7	179	374	369	279	144
MAX	153	17	20	15	16	27	194	316	483	474	407	190
MIN	16	14	13	11	12	15	21	74	254	292	174	82
AC-FT	1620	966	958	801	795	1090	3970	10990	22260	22670	17190	8570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2000, BY WATER YEAR (WY)

MEAN	24.8	36.2	52.8	56.7	57.6	67.2	112	203	294	357	324	174
MAX	49.5	97.7	122	122	122	123	226	304	415	414	389	303
(WY)	1989	1990	1993	1993	1993	1992	1992	1997	1989	1991	1993	1992
MIN	13.5	14.7	15.6	13.0	13.8	17.7	25.7	54.4	203	276	250	117
(WY)	1992	1989	2000	2000	2000	2000	1994	1991	1993	1995	1994	1991

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1989 - 2000	
ANNUAL TOTAL	47711		46325			
ANNUAL MEAN	131		127		147	
HIGHEST ANNUAL MEAN					194	1992
LOWEST ANNUAL MEAN					124	1995
HIGHEST DAILY MEAN	492	Jun 29	483	Jun 16	493	Jun 25 1994
LOWEST DAILY MEAN	13	Dec 4	11	Jan 29	10	Dec 17 1988
ANNUAL SEVEN-DAY MINIMUM	14	Dec 25	12	Jan 26	11	Dec 3 1988
ANNUAL RUNOFF (AC-FT)	94630		91890		106700	
10 PERCENT EXCEEDS	363		371		369	
50 PERCENT EXCEEDS	57		28		102	
90 PERCENT EXCEEDS	16		13		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 April 14, 1920, nonrecording gage; April 15, 1920 to September 30, 1925 and January 1, 1933 to April 16, 1940, water-stage recorder, at present site upstream from power canal at datum 2.00 ft lower.

REMARKS.--Records good except for one estimated daily discharge, which is fair. Several small diversions for irrigation above station. Flow since June 1915 includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork. Flow affected by mudslide and draining of resultant lake about 5 mi upstream April 14 to September 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 15, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 594 ft^3/s, Jun 8, gage height, 5.16 ft; minimum discharge, 33 ft^3/s, Mar 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	89	85	78	80	84	94	294	336	412	468	199
2	223	89	85	78	78	84	93	333	351	361	480	180
3	175	88	86	71	79	78	93	337	390	375	461	168
4	111	89	62	70	80	78	102	346	386	327	445	164
5	105	88	64	80	79	81	125	392	404	323	459	165
6	103	89	77	67	79	81	141	397	469	305	450	164
7	102	88	88	66	79	82	141	370	519	306	408	179
8	99	88	83	81	80	80	133	385	572	342	356	198
9	96	88	68	79	81	87	138	348	569	343	360	192
10	92	88	87	80	83	84	136	317	557	342	352	176
11	91	87	83	82	94	80	135	300	522	341	322	171
12	88	87	85	84	99	86	138	268	513	362	314	157
13	86	86	86	81	98	83	146	234	527	366	299	151
14	83	85	79	81	105	83	164	219	533	375	305	165
15	82	86	65	80	124	83	174	209	548	387	324	184
16	83	84	89	83	100	78	156	202	558	407	321	216
17	87	85	89	85	99	83	148	199	558	415	307	208
18	90	86	86	101	95	80	157	226	522	413	306	197
19	90	74	85	110	83	80	161	242	556	441	334	201
20	90	88	85	94	85	85	167	293	471	442	329	205
21	91	89	84	92	87	82	173	308	406	426	321	187
22	90	89	76	88	95	85	174	317	393	424	314	186
23	90	63	e74	81	88	85	192	358	351	412	315	174
24	89	61	71	84	93	85	199	423	323	374	317	138
25	88	82	73	92	89	85	190	464	298	457	299	127
26	89	93	76	98	80	89	194	404	310	531	245	126
27	88	89	76	90	86	100	301	346	408	534	258	125
28	90	88	75	79	86	109	306	285	418	536	242	126
29	91	87	73	73	85	104	326	268	435	490	226	124
30	89	86	72	69	---	103	303	261	440	478	228	108
31	90	---	71	84	---	95	---	293	---	489	224	---
TOTAL	3223	2559	2438	2561	2569	2662	5100	9638	13643	12536	10389	5061
MEAN	104	85.3	78.6	82.6	88.6	85.9	170	311	455	404	335	169
MAX	262	93	89	110	124	109	326	464	572	536	480	216
MIN	82	61	62	66	78	78	93	199	298	305	224	108
AC-FT	6390	5080	4840	5080	5100	5280	10120	19120	27060	24870	20610	10040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920-25, 1934-2000, BY WATER YEAR (WY)

MEAN	110	87.5	80.5	81.7	94.4	135	271	552	466	404	333	204
MAX	654	480	209	165	264	334	1054	2077	1593	565	525	385
(WY)	1984	1984	1984	1990	1986	1986	1952	1984	1983	1998	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1920-25, 1934-2000	
ANNUAL TOTAL	94186		72379			
ANNUAL MEAN	258		198		236	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	691	May 26	572	Jun 8	3700	May 15 1984
LOWEST DAILY MEAN	61	Nov 24	61	Nov 24	20	Dec 9 1951
ANNUAL SEVEN-DAY MINIMUM	74	Dec 24	73	Jan 1	27	Oct 25 1934
ANNUAL RUNOFF (AC-FT)	186800		143600		171300	
10 PERCENT EXCEEDS	528		420		512	
50 PERCENT EXCEEDS	155		110		148	
90 PERCENT EXCEEDS	86		79		60	

e Estimated

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ 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 fair. 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, Jun 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, datum then in use; minimum, 16 ft^3/s, Nov 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,110 ft^3/s, May 26, gage height, 5.86 ft; minimum discharge, 27 ft^3/s, Mar 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	89	62	58	61	61	81	575	1030	73	65	56
2	90	91	57	58	62	60	86	722	844	80	66	65
3	94	83	61	58	61	60	93	903	735	81	73	54
4	86	89	45	59	60	64	120	1120	671	86	68	57
5	69	80	56	59	59	68	167	1260	613	77	71	60
6	70	85	64	54	58	64	183	1110	537	80	69	63
7	76	89	61	59	57	62	173	1030	471	75	68	64
8	74	84	59	61	58	62	182	876	431	80	68	66
9	76	74	56	60	59	62	200	737	397	74	73	73
10	74	65	61	60	59	60	192	729	348	86	69	43
11	75	65	57	61	60	59	186	764	307	75	68	39
12	80	62	60	64	61	64	213	669	270	72	59	41
13	71	64	60	65	61	61	244	592	243	73	59	41
14	70	60	57	66	63	62	277	553	224	71	69	47
15	72	63	58	64	65	63	242	579	205	71	59	50
16	70	66	64	64	63	58	210	678	185	71	65	53
17	72	70	62	64	69	65	204	666	129	68	63	42
18	80	70	62	68	66	62	229	655	134	68	61	36
19	85	54	63	82	51	61	197	652	163	65	82	38
20	76	67	63	75	64	62	180	762	143	76	65	42
21	72	65	62	73	67	57	207	971	122	79	73	40
22	79	64	61	67	63	65	222	1270	112	77	82	60
23	83	44	60	62	60	69	251	1550	102	73	53	72
24	95	51	63	69	63	69	252	1690	94	76	48	51
25	77	62	61	66	58	71	245	1650	89	75	56	42
26	83	77	59	66	55	78	299	1860	85	77	49	41
27	81	73	58	59	68	90	406	e1430	92	72	60	47
28	90	64	58	44	63	100	553	e1420	91	76	62	48
29	87	64	58	54	60	89	604	1520	75	78	47	48
30	85	64	56	55	---	88	519	1440	74	64	48	47
31	89	---	57	61	---	78	---	1260	---	73	60	---
TOTAL	2466	2098	1841	1935	1774	2094	7217	31693	9016	2322	1978	1526
MEAN	79.5	69.9	59.4	62.4	61.2	67.5	241	1022	301	74.9	63.8	50.9
MAX	95	91	64	82	69	100	604	1860	1030	86	82	73
MIN	69	44	45	44	51	57	81	553	74	64	47	36
AC-FT	4890	4160	3650	3840	3520	4150	14310	62860	17880	4610	3920	3030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	74.5	67.3	61.7	60.0	59.4	75.8	196	799	815	256	119	83.1
MAX	155	97.9	97.3	86.9	95.7	198	370	1348	1653	730	255	166
(WY)	1983	1983	1984	1984	1986	1986	1985	1997	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	1977	1975	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	90453		65960			
ANNUAL MEAN	248		180		223	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	2220	May 29	1860	May 26	2530	May 28 1979
LOWEST DAILY MEAN	44	Nov 23	36	Sep 18	24	Aug 26 1992
ANNUAL SEVEN-DAY MINIMUM	57	Dec 3	43	Sep 15	25	Aug 24 1992
ANNUAL RUNOFF (AC-FT)	179400		130800		161400	
10 PERCENT EXCEEDS	869		560		654	
50 PERCENT EXCEEDS	88		69		81	
90 PERCENT EXCEEDS	63		56		47	

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.

DRAINAGE AREA.--219 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR UT-89-1, UT-93-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,220 ft above sea level, from topographic map. Prior to November 20, 1964 at datum 1.00 ft higher. Gage relocated 1.5 mi upstream on April 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 fair. 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, Jun 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, 3,220 ft^3/s, May 26, gage height, 9.04 ft; minimum discharge, 21 ft^3/s, Jul 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	107	89	e80	e82	86	114	e700	1890	48	23	74
2	94	106	85	e77	e89	85	123	e800	1440	44	26	83
3	94	104	84	e78	e88	82	126	e1000	1160	46	27	68
4	95	104	e80	e77	88	87	147	e1300	990	45	28	61
5	93	104	e75	e76	81	94	188	e1700	851	44	29	56
6	109	104	e80	e77	79	91	215	e1600	643	41	29	54
7	109	105	e80	e76	78	90	214	e1500	489	35	29	54
8	107	106	e78	e80	76	89	215	e1350	412	33	28	55
9	105	106	e79	e80	80	89	238	e1200	377	37	30	62
10	103	99	84	e78	83	85	236	e990	330	35	36	56
11	98	94	97	e76	87	82	226	e1100	294	39	34	53
12	96	94	69	e72	91	93	250	e950	260	34	31	51
13	97	86	81	e77	88	84	271	e840	220	34	29	50
14	97	84	e84	e78	96	86	310	e780	188	34	30	47
15	95	85	e89	e80	99	89	285	e720	172	33	30	43
16	94	86	e88	e78	93	79	251	e680	157	33	30	41
17	94	88	e88	e79	100	87	238	665	105	31	29	42
18	97	99	81	e80	96	83	267	656	89	28	30	44
19	98	88	e78	e74	92	84	243	653	128	29	42	43
20	95	98	e79	e73	100	86	198	707	117	28	34	45
21	96	95	82	e77	100	83	223	953	87	27	29	48
22	95	98	e80	73	102	87	271	1360	74	26	29	60
23	96	e96	e80	74	90	93	312	1970	68	23	39	73
24	102	e90	e78	69	95	91	313	2490	57	23	55	72
25	102	79	e79	85	88	92	285	2540	50	23	54	67
26	97	95	e82	94	104	97	e351	2850	48	26	59	62
27	97	93	e80	87	95	110	e484	2570	57	25	70	62
28	98	86	e78	e86	93	127	e601	2500	54	26	61	65
29	106	83	e76	e86	86	124	e659	2650	46	29	59	65
30	99	83	e78	e86	---	122	e600	2640	45	28	61	64
31	102	---	e79	e86	---	108	---	2360	---	25	66	---
TOTAL	3055	2845	2520	2449	2619	2865	8454	44774	10898	1012	1186	1720
MEAN	98.5	94.8	81.3	79.0	90.3	92.4	282	1444	363	32.6	38.3	57.3
MAX	109	107	97	94	104	127	659	2850	1890	48	70	83
MIN	93	79	69	69	76	79	114	653	45	23	23	41
AC-FT	6060	5640	5000	4860	5190	5680	16770	88810	21620	2010	2350	3410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

MEAN	87.8	97.6	92.0	87.2	92.8	117	308	1050	973	262	98.9	81.4
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	111075		84397			
ANNUAL MEAN	304		231		279	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2720	May 26	2850	May 26	3560	May 22 1993
LOWEST DAILY MEAN	58	Aug 19	23	Jul 23	12	Aug 21 1960
ANNUAL SEVEN-DAY MINIMUM	65	Aug 14	25	Jul 22	14	Jul 25 1961
ANNUAL RUNOFF (AC-FT)	220300		167400		202500	
10 PERCENT EXCEEDS	923		654		818	
50 PERCENT EXCEEDS	116		86		106	
90 PERCENT EXCEEDS	81		34		58	

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.--268 mi^2.

PERIOD OF RECORD.--September 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,490 ft above sea level, from topographic map.

REMARKS.--Records good. Flow also affected by irrigation diversions above station and by storage in, and releases from, Jordanell Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,040 ft^3/s, May 28, 1999, gage height, 5.98 ft; minimum daily discharge, 19 ft^3/s, May 2, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,290 ft^3/s, Jun 2, gage height, 4.93 ft; minimum daily discharge, 100 ft^3/s, Apr 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	136	138	141	122	115	108	135	1270	136	143	145
2	169	136	138	141	121	115	108	137	1270	152	144	148
3	168	135	137	136	121	113	111	136	1260	159	143	144
4	161	137	135	129	121	111	113	151	1250	166	142	142
5	161	138	134	127	121	109	108	140	1050	168	142	140
6	153	136	135	126	121	108	102	134	650	160	142	141
7	146	137	135	126	121	108	100	135	505	148	142	142
8	147	138	133	125	121	109	102	137	455	148	141	142
9	150	138	133	124	121	111	103	140	452	148	140	140
10	150	138	133	125	122	113	103	144	453	148	138	139
11	146	138	132	126	123	115	117	148	451	148	138	135
12	145	137	132	126	121	117	127	154	450	145	139	131
13	149	137	135	124	119	119	123	150	330	149	137	124
14	140	137	134	124	126	119	131	133	175	159	137	125
15	137	137	133	124	128	118	135	125	162	172	137	131
16	137	141	133	125	120	117	130	119	162	186	137	124
17	138	141	134	129	120	116	133	121	177	186	136	123
18	137	144	139	140	119	116	146	127	176	194	136	126
19	138	142	143	143	118	116	149	134	188	215	137	132
20	140	140	142	133	117	115	134	135	192	230	132	130
21	141	139	143	133	117	115	143	135	192	231	130	130
22	142	138	144	131	118	112	135	134	190	232	126	140
23	144	138	143	127	116	111	135	131	179	232	127	144
24	144	136	143	127	118	111	142	128	176	229	128	143
25	144	137	143	131	118	111	151	193	176	232	131	141
26	139	138	142	131	114	111	151	725	150	233	136	144
27	133	138	142	129	114	111	147	1190	121	212	140	149
28	134	138	142	127	117	110	140	1230	120	199	137	147
29	135	138	141	125	114	110	135	1250	122	177	140	148
30	135	138	141	122	---	109	133	1260	133	149	139	148
31	136	---	140	122	---	108	---	1260	---	144	144	---
TOTAL	4538	4141	4272	3999	3469	3499	3795	10371	12637	5587	4261	4138
MEAN	146	138	138	129	120	113	126	335	421	180	137	138
MAX	199	144	144	143	128	119	151	1260	1270	233	144	149
MIN	133	135	132	122	114	108	100	119	120	136	126	123
AC-FT	9000	8210	8470	7930	6880	6940	7530	20570	25070	11080	8450	8210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

MEAN	136	122	126	158	183	157	144	544	663	301	164	168
MAX	193	151	166	345	473	325	213	706	890	413	211	206
(WY)	1999	1998	1997	1997	1997	1997	1998	1996	1999	1998	1998	1998
MIN	36.9	39.1	38.0	39.6	47.7	64.4	51.0	335	421	180	125	126
(WY)	1996	1996	1996	1996	1996	1996	1996	2000	2000	2000	1996	1996

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	100283		64707			
ANNUAL MEAN	275		177		239	
HIGHEST ANNUAL MEAN					290	1997
LOWEST ANNUAL MEAN					177	2000
HIGHEST DAILY MEAN	2000	May 28	1270	Jun 1	2000	May 28 1999
LOWEST DAILY MEAN	122	Apr 23	100	Apr 7	19	May 2 1996
ANNUAL SEVEN-DAY MINIMUM	128	Jan 1	104	Apr 4	29	Apr 27 1996
ANNUAL RUNOFF (AC-FT)	198900		128300		173000	
10 PERCENT EXCEEDS	526		187		508	
50 PERCENT EXCEEDS	153		137		146	
90 PERCENT EXCEEDS	135		116		58	

10155400 SPRING CREEK NEAR HEBER, UT

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 1.5 mi west of State Highway 40 in Heber.

DRAINAGE AREA.-60.8 mi^2.

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above sea level, from topographic map.

REMARKS.--Records fair. Small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 336 ft^3/s, Feb 10, 1999, from rating extended by computation of flow from contracted opening, gage height 3.49 ft; minimum daily discharge, 2.8 ft^3/s, Sep 21, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 81 ft^3/s, May 25, gage height, 2.24 ft; minimum daily discharge, 2.8 ft^3/s, Sep 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e26	14	14	e7.2	22	21	20	28	34	34	19	e8.5
2	e23	14	14	e7.6	23	20	20	27	36	33	18	9.5
3	e18	14	14	e7.5	22	20	19	29	43	27	19	9.4
4	e17	15	15	e7.7	22	20	19	26	45	23	18	9.3
5	e17	15	16	e7.9	22	20	19	24	44	20	18	8.0
6	e17	14	15	e7.0	22	20	18	26	41	21	18	6.8
7	e18	15	15	e7.3	22	20	18	27	41	20	18	5.8
8	e20	14	14	e7.6	22	19	18	31	44	22	18	7.2
9	e21	14	e13	e7.0	22	21	17	28	40	22	17	7.8
10	e22	14	e13	e6.1	24	23	18	25	42	24	18	7.0
11	e21	14	e13	e6.2	31	22	17	31	44	36	21	6.3
12	e20	14	e12	e7.0	37	21	17	37	47	22	18	5.7
13	20	14	e13	e7.3	32	20	21	37	40	23	18	6.2
14	16	14	e12	e8.0	57	20	31	32	36	22	e18	6.4
15	14	14	e17	e7.6	42	20	34	28	38	20	e17	9.8
16	14	14	12	e8.4	27	20	33	28	34	27	e17	6.3
17	14	14	12	e9.3	31	19	32	26	30	26	e16	6.1
18	15	15	11	17	29	19	29	30	31	26	e15	4.7
19	15	14	11	28	25	21	22	32	33	26	e15	3.8
20	16	14	11	31	24	22	17	34	28	23	e15	3.1
21	16	15	10	33	24	21	15	34	30	24	e15	2.8
22	15	15	11	29	26	22	18	32	30	23	e14	3.2
23	14	15	13	26	23	22	20	55	27	21	e14	7.4
24	14	15	9.0	27	24	23	21	64	27	21	e14	8.4
25	14	16	e11	38	23	23	20	63	29	20	e14	7.9
26	14	14	e10	32	22	23	19	64	31	22	e13	8.4
27	14	14	e9.0	26	22	24	15	57	32	19	e12	8.0
28	15	14	e8.4	23	22	25	17	49	28	18	e12	6.9
29	16	14	e8.2	22	22	24	21	42	26	17	e12	7.5
30	15	14	e7.7	22	---	23	29	34	30	15	e12	8.4
31	14	---	e7.2	22	---	21	---	33	---	16	e9.6	---
TOTAL	525	430	371.5	502.7	766	659	634	1113	1061	713	492.6	206.6
MEAN	16.9	14.3	12.0	16.2	26.4	21.3	21.1	35.9	35.4	23.0	15.9	6.89
MAX	26	16	17	38	57	25	34	64	47	36	21	9.8
MIN	14	14	7.2	6.1	22	19	15	24	26	15	9.6	2.8
AC-FT	1040	853	737	997	1520	1310	1260	2210	2100	1410	977	410

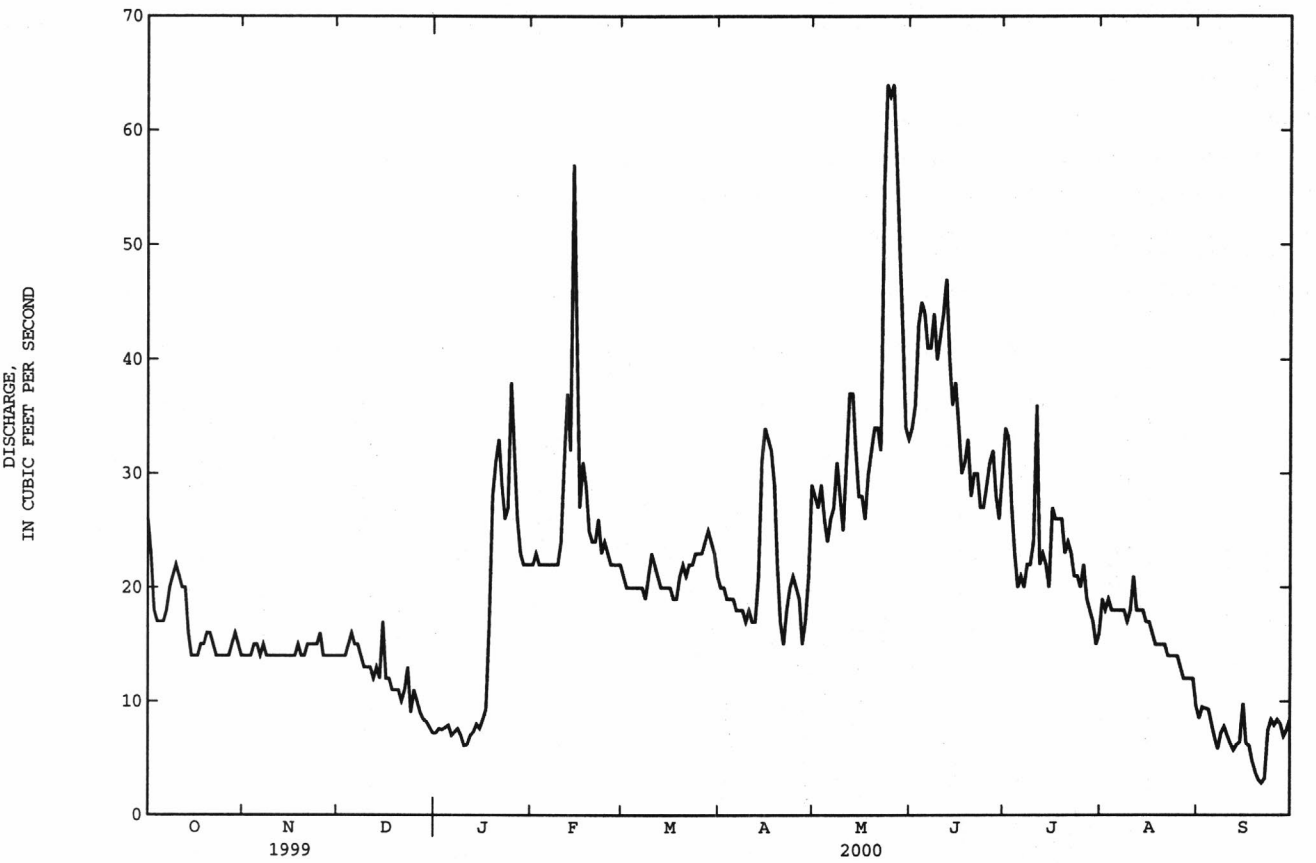
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	21.6	19.7	15.9	16.1	20.5	24.2	18.9	44.0	52.9	31.0	21.3	21.3
MAX	33.6	23.4	19.2	17.8	26.4	33.0	23.1	60.5	90.5	47.5	29.2	34.0
(WY)	1999	1999	1996	1999	2000	1997	1995	1995	1995	1998	1999	1998
MIN	13.3	14.3	12.0	13.4	16.0	16.9	14.3	35.9	29.8	8.91	12.4	6.89
(WY)	1995	2000	2000	1994	1998	1999	1999	2000	1994	1994	1994	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	9198.0		7474.4			
ANNUAL MEAN	25.2		20.4		25.6	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					18.6	1994
HIGHEST DAILY MEAN	118	Feb 9	64	May 24	131	May 23 1995
LOWEST DAILY MEAN	3.9	Apr 13	2.8	Sep 21	2.8	Sep 21 2000
ANNUAL SEVEN-DAY MINIMUM	6.7	Apr 12	4.3	Sep 16	4.3	Sep 16 2000
ANNUAL RUNOFF (AC-FT)	18240		14830		18570	
10 PERCENT EXCEEDS	41		33		47	
50 PERCENT EXCEEDS	19		19		20	
90 PERCENT EXCEEDS	13		8.0		12	

e Estimated

10155400 SPRING CREEK NEAR HEBER, UT--Continued



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.--October 1938 to September 1950, October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above sea level, from topographic map. Prior to October 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 and Oct 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,310 ft^3/s, Jun 5, gage height, 4.96 ft; minimum daily discharge, 141 ft^3/s, Apr 6-9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	267	183	173	171	178	159	154	177	1270	200	180	178
2	236	183	174	171	177	159	154	178	1260	214	181	179
3	233	179	174	169	176	159	154	177	1270	221	180	177
4	224	172	173	168	175	159	154	187	1280	223	177	176
5	222	171	173	168	173	159	149	167	1060	228	177	175
6	216	166	173	168	173	159	141	159	632	219	176	175
7	208	166	173	166	173	159	141	161	490	207	177	177
8	208	166	173	165	173	159	141	162	451	210	176	176
9	210	166	172	164	172	160	141	165	452	212	174	175
10	211	167	173	164	171	162	142	169	456	208	173	173
11	206	168	171	167	184	164	156	175	441	227	170	170
12	206	168	171	169	193	164	165	194	442	210	170	168
13	207	166	173	168	197	162	165	196	433	202	169	165
14	198	166	173	168	220	161	186	177	363	214	169	164
15	191	167	172	167	229	160	197	167	209	224	169	168
16	191	174	173	171	222	159	190	160	212	243	170	165
17	192	177	173	189	222	159	194	160	223	243	169	166
18	193	176	174	229	204	159	206	162	224	249	170	168
19	191	179	176	236	176	159	191	169	236	266	171	172
20	187	173	176	208	175	160	167	173	240	275	167	171
21	183	173	175	197	173	161	165	171	243	273	166	170
22	183	173	174	192	174	168	159	172	244	274	166	177
23	185	173	174	187	171	161	160	186	232	272	166	183
24	186	173	174	181	170	157	169	191	229	271	165	180
25	186	173	174	193	168	157	180	252	236	272	165	175
26	183	173	174	196	168	157	186	818	216	270	170	178
27	180	173	173	187	168	157	178	1260	193	250	174	182
28	181	173	173	185	168	157	166	1260	189	235	170	182
29	182	173	173	183	164	157	168	1270	185	215	172	186
30	183	173	172	182	---	156	178	1270	191	188	171	189
31	183	---	171	180	---	154	---	1260	---	182	177	---
TOTAL	6212	5163	5370	5609	5287	4943	4997	11545	13802	7197	5327	5240
MEAN	200	172	173	181	182	159	167	372	460	232	172	175
MAX	267	183	176	236	229	168	206	1270	1280	275	181	189
MIN	180	166	171	164	164	154	141	159	185	182	165	164
AC-FT	12320	10240	10650	11130	10490	9800	9910	22900	27380	14280	10570	10390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50, 1992-2000, BY WATER YEAR (WY)

MEAN	93.6	121	121	129	141	166	256	639	592	180	88.6	91.7
MAX	291	216	219	400	513	386	710	1243	1255	519	280	294
(WY)	1999	1999	1997	1997	1997	1997	1946	1993	1993	1995	1998	1998
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	1992

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEA		WATER YEARS 1939-50, 1992-2000	
ANNUAL TOTAL	120566		80692			
ANNUAL MEAN	330		220		218	
HIGHEST ANNUAL MEAN					355	1997
LOWEST ANNUAL MEAN					91.3	1940
HIGHEST DAILY MEAN	2110	May 30	1280	Jun 4	2210	May 23 1993
LOWEST DAILY MEAN	150	Apr 14	141	Apr 6	14	Sep 11 1992
ANNUAL SEVEN-DAY MINIMUM	165	Apr 9	144	Apr 4	15	Sep 6 1992
ANNUAL RUNOFF (AC-FT)	239100		160100		158200	
10 PERCENT EXCEEDS	555		241		522	
50 PERCENT EXCEEDS	212		175		120	
90 PERCENT EXCEEDS	173		160		36	

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.-- Records good. Some diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft^3/s, Jun 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, 82 ft^3/s, Oct 27, gage height, 3.23 ft; minimum daily discharge, 28 ft^3/s, Jul 6, Aug 15, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

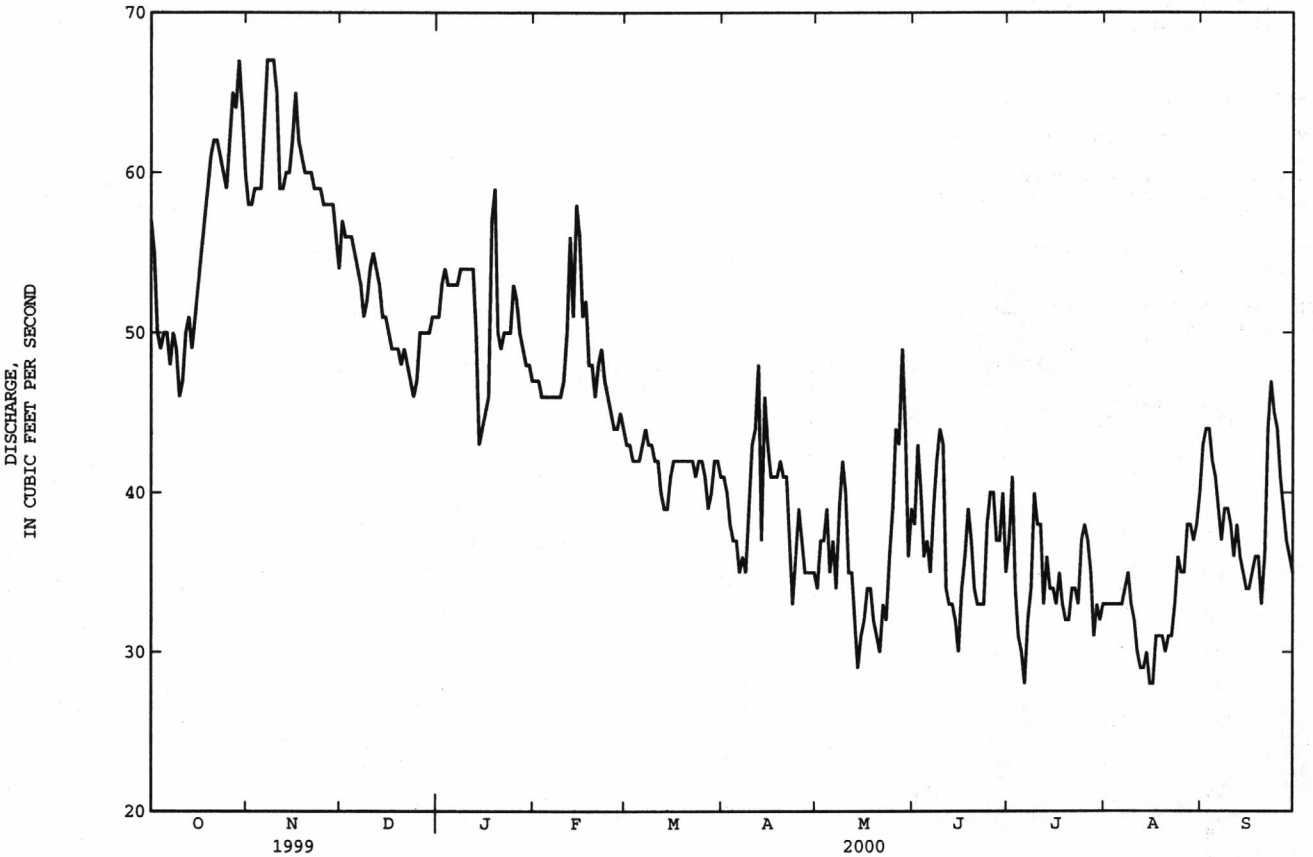
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	58	57	51	47	43	41	34	38	37	33	43
2	55	58	56	53	47	43	40	37	43	41	33	44
3	50	59	56	54	46	42	38	37	40	34	33	44
4	49	59	56	53	46	42	37	39	36	31	33	42
5	50	59	55	53	46	42	37	35	37	30	33	41
6	50	63	54	53	46	43	35	37	35	28	33	39
7	48	67	53	53	46	44	36	34	39	32	34	37
8	50	67	51	54	46	43	35	39	42	34	35	39
9	49	67	52	54	46	43	39	42	44	40	33	39
10	46	65	54	54	47	42	43	40	43	38	32	38
11	47	59	55	54	50	42	44	35	34	38	30	36
12	50	59	54	54	56	40	48	35	33	33	29	38
13	51	60	53	50	51	39	37	32	33	36	29	36
14	49	60	51	43	58	39	46	29	32	34	30	35
15	51	62	51	44	56	41	43	31	30	34	28	34
16	53	65	50	45	51	42	41	32	34	33	28	34
17	55	62	49	46	52	42	41	34	36	35	31	35
18	57	61	49	57	48	42	41	34	39	33	31	36
19	59	60	49	59	48	42	42	32	37	32	31	36
20	61	60	48	50	46	42	41	31	34	32	30	33
21	62	60	49	49	48	42	41	30	33	34	31	36
22	62	59	48	50	49	42	37	33	33	34	31	44
23	61	59	47	50	47	41	33	32	33	33	33	47
24	60	59	46	50	46	42	36	36	38	37	36	45
25	59	58	47	53	45	42	39	39	40	38	35	44
26	62	58	50	52	44	41	37	44	40	37	35	41
27	65	58	50	50	44	39	35	43	37	35	38	39
28	64	58	50	49	45	40	35	49	37	31	38	37
29	67	56	50	48	44	42	35	44	40	33	37	36
30	64	54	51	48	---	42	35	36	35	32	38	35
31	60	---	51	47	---	41	---	39	---	33	40	---
TOTAL	1723	1809	1592	1580	1391	1292	1168	1124	1105	1062	1021	1163
MEAN	55.6	60.3	51.4	51.0	48.0	41.7	38.9	36.3	36.8	34.3	32.9	38.8
MAX	67	67	57	59	58	44	48	49	44	41	40	47
MIN	46	54	46	43	44	39	33	29	30	28	28	33
AC-FT	3420	3590	3160	3130	2760	2560	2320	2230	2190	2110	2030	2310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50, 1994-2000, BY WATER YEAR (WY)

MEAN	47.9	48.8	44.7	43.0	42.4	45.7	46.3	54.7	59.4	44.8	40.6	41.9
MAX	65.0	62.9	55.7	51.7	55.0	52.1	57.8	87.5	86.8	59.4	57.5	62.3
(WY)	1999	1946	1999	1999	1945	1945	1945	1943	1995	1995	1998	1998
MIN	35.5	33.8	36.2	35.4	33.6	36.2	36.3	36.3	35.5	26.3	28.5	29.6
(WY)	1940	1940	1940	1941	1941	1940	1941	2000	1994	1994	1940	1939

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939-50, 1994-2000	
ANNUAL TOTAL	19671		16030			
ANNUAL MEAN	53.9		43.8		46.6	
HIGHEST ANNUAL MEAN					55.2	1999
LOWEST ANNUAL MEAN					36.2	1940
HIGHEST DAILY MEAN	79	Jun 3	67	Oct 29	113	Jun 30 1995
LOWEST DAILY MEAN	39	Mar 27	28	Jul 6	24	Jul 21 1994
ANNUAL SEVEN-DAY MINIMUM	41	Mar 23	29	Aug 11	25	Jul 15 1994
ANNUAL RUNOFF (AC-FT)	39020		31800		33770	
10 PERCENT EXCEEDS	66		58		59	
50 PERCENT EXCEEDS	52		42		45	
90 PERCENT EXCEEDS	46		33		35	

10156000 SNAKE CREEK NEAR CHARLESTON, UT--Continued



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.--50.1 mi^2.

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, gage height, 3.92 ft; no flow several days in Jul and Aug 1994, Sep 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26 ft^3/s, May 26, Jun 19, gage height, 2.34 ft; minimum daily discharge, 0.07 ft^3/s, Apr 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	9.0	11	8.2	3.6	2.9	1.5	e5.1	8.8	3.2	.94	e8.0
2	13	9.5	10	8.3	3.6	2.9	1.5	e3.2	6.9	1.5	1.5	e8.0
3	11	9.1	9.2	7.6	3.4	2.9	1.4	e3.6	8.2	1.6	2.9	e6.8
4	11	9.7	9.3	4.4	3.4	2.9	1.4	e4.8	9.2	5.2	.99	e5.7
5	11	9.9	8.7	3.4	3.8	2.9	1.5	e5.8	9.9	4.9	1.5	e4.6
6	11	10	8.7	3.8	3.8	2.8	1.4	e7.9	8.3	3.1	2.1	e6.2
7	10	10	9.0	3.8	3.7	2.7	1.3	e13	8.0	.70	2.9	e7.8
8	9.4	10	9.0	4.0	3.6	2.7	1.1	e18	12	1.2	2.6	e8.9
9	8.8	10	8.9	3.6	3.5	2.7	.18	15	17	1.1	1.2	10
10	8.4	9.8	8.8	3.2	3.4	2.7	.15	13	17	.71	1.7	9.7
11	8.6	9.7	8.8	3.4	3.5	2.7	.10	10	13	2.5	1.2	8.6
12	7.3	9.7	8.7	3.5	3.6	2.7	.14	8.9	6.9	5.4	2.0	8.0
13	8.8	10	8.7	3.3	3.4	2.6	.19	12	5.0	3.8	2.6	5.8
14	7.8	10	8.7	3.3	3.8	2.6	.18	13	14	2.2	1.7	5.6
15	7.8	11	9.3	3.3	3.8	2.6	.13	9.5	8.8	5.2	.97	3.1
16	8.2	11	8.2	3.6	3.6	2.6	.13	14	7.1	4.6	2.4	6.2
17	8.3	10	8.3	3.7	3.6	2.6	.12	10	5.9	6.1	2.3	6.3
18	7.3	11	7.8	4.6	3.5	2.5	e.07	7.4	11	4.9	2.1	7.3
19	7.5	11	8.3	7.3	3.4	2.6	e.09	8.0	14	2.6	2.6	6.6
20	8.2	10	8.4	3.8	3.4	2.4	e.19	5.5	3.4	4.2	1.5	8.2
21	8.5	11	8.2	3.8	3.6	2.0	e1.2	5.2	2.1	4.1	3.4	9.8
22	7.5	11	8.2	3.8	3.3	1.8	e4.3	3.2	3.8	2.8	1.0	12
23	6.6	12	8.2	4.1	3.2	1.7	e6.1	3.8	5.7	2.0	1.9	17
24	7.8	11	8.2	4.2	3.2	1.8	e7.1	5.8	4.8	2.9	4.7	15
25	8.1	10	8.2	4.6	3.0	1.6	e10	18	2.4	2.1	3.9	14
26	6.5	10	8.3	3.5	2.9	1.6	e11	21	1.6	6.6	3.3	14
27	6.5	11	8.4	3.4	2.9	1.6	e11	19	1.4	4.3	6.3	14
28	8.5	10	8.2	3.3	2.9	1.6	e14	16	5.0	2.4	5.6	14
29	9.2	11	7.8	3.4	2.8	1.6	e16	18	4.2	1.3	5.7	14
30	8.6	11	8.0	3.4	---	1.5	e12	13	1.7	1.5	e2.9	13
31	9.0	---	8.6	3.6	---	1.5	---	8.9	---	3.2	e3.1	---
TOTAL	272.2	308.4	268.1	131.2	99.2	72.3	105.47	319.6	227.1	97.91	79.50	278.2
MEAN	8.78	10.3	8.65	4.23	3.42	2.33	3.52	10.3	7.57	3.16	2.56	9.27
MAX	13	12	11	8.3	3.8	2.9	16	21	17	6.6	6.3	17
MIN	6.5	9.0	7.8	3.2	2.8	1.5	.07	3.2	1.4	.70	.94	3.1
AC-FT	540	612	532	260	197	143	209	634	450	194	158	552

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

MEAN	6.22	4.46	3.41	3.10	3.22	2.94	15.1	60.7	38.0	8.04	9.54	8.27
MAX	9.38	10.3	8.65	5.00	5.07	5.61	32.1	99.9	110	16.0	21.1	13.6
(WY)	1994	2000	2000	1994	1994	1997	1997	1997	1995	1995	1999	1999
MIN	2.95	2.09	1.09	1.12	1.31	.76	3.52	10.3	6.38	.24	1.65	3.14
(WY)	1995	1995	1999	1998	1999	1999	2000	2000	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	5506.41		2259.18			
ANNUAL MEAN	15.1		6.17		13.6	
HIGHEST ANNUAL MEAN					21.2	1995
LOWEST ANNUAL MEAN					6.17	2000
HIGHEST DAILY MEAN	85	May 24	21	May 26	244	Jun 6 1995
LOWEST DAILY MEAN	.29	Apr 7	.07	Apr 18	.00	Jul 23 1994
ANNUAL SEVEN-DAY MINIMUM	.50	Mar 19	.13	Apr 13	.01	Jul 19 1994
ANNUAL RUNOFF (AC-FT)	10920		4480		9870	
10 PERCENT EXCEEDS	41		11		38	
50 PERCENT EXCEEDS	10		5.2		5.0	
90 PERCENT EXCEEDS	.82		1.5		1.2	

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 5,260 ft above sea level, from topographic map.

REMARKS.--Records fair including estimated days. 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, Jun 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 daily discharge, 1,000 ft^3/s, May 15; minimum daily discharge, 89 ft^3/s, Dec 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	345	103	95	142	191	328	357	509	357	408	465	203
2	331	104	95	92	192	320	359	557	352	386	465	188
3	329	104	95	92	194	317	351	618	366	406	466	199
4	328	107	94	91	193	318	332	660	369	437	442	219
5	333	109	94	92	193	321	336	671	415	446	424	260
6	331	108	96	93	195	324	338	675	446	441	417	281
7	327	108	97	96	194	325	336	667	452	457	419	295
8	328	107	97	97	193	326	333	677	452	456	420	303
9	328	105	97	97	194	328	332	696	456	454	420	316
10	329	105	97	97	208	329	308	762	444	452	422	320
11	320	104	96	97	234	331	288	760	434	443	420	326
12	320	102	111	97	242	333	286	782	430	454	418	322
13	319	102	109	96	241	333	286	812	430	471	418	320
14	292	103	96	98	269	335	291	849	449	486	414	320
15	232	102	93	98	306	338	291	e1000	484	495	413	322
16	226	102	93	99	321	336	288	e982	485	492	418	326
17	232	105	93	99	320	335	287	e834	482	488	419	348
18	205	100	93	101	320	334	288	e682	462	493	408	386
19	173	98	97	105	319	334	265	e515	408	485	383	405
20	165	95	98	100	318	334	296	e466	406	480	366	406
21	165	96	98	161	321	330	326	425	427	482	370	391
22	164	96	98	194	322	330	307	381	440	481	373	330
23	162	96	97	192	322	331	300	387	448	480	368	285
24	161	96	97	192	321	331	320	409	453	477	360	271
25	115	97	97	194	320	331	338	378	458	474	358	271
26	109	97	97	193	320	332	340	336	420	479	354	261
27	111	97	94	191	321	333	372	330	396	478	338	256
28	114	97	92	190	321	334	450	330	399	467	330	258
29	110	97	91	189	324	336	480	333	404	461	330	258
30	106	96	89	188	---	338	482	373	413	460	330	270
31	104	---	112	190	---	355	---	394	---	458	303	---
TOTAL	7214	3038	2998	4053	7729	10260	9963	18250	12837	14327	12251	8916
MEAN	233	101	96.7	131	267	331	332	589	428	462	395	297
MAX	345	109	112	194	324	355	482	1000	485	495	466	406
MIN	104	95	89	91	191	317	265	330	352	386	303	188
AC-FT	14310	6030	5950	8040	15330	20350	19760	36200	25460	28420	24300	17680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2000, BY WATER YEAR (WY)

MEAN	213	178	217	210	224	250	321	603	819	509	426	349
MAX	490	509	508	615	772	1146	1202	1200	1613	927	575	581
(WY)	1984	1983	1983	1997	1997	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1954 - 2000	
ANNUAL TOTAL	141781		111836			
ANNUAL MEAN	388		306		360	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	1220	Jun 1	1000	May 15	2240	Jun 2 1983
LOWEST DAILY MEAN	89	Dec 30	89	Dec 30	.00	Feb 2 1957
ANNUAL SEVEN-DAY MINIMUM	94	Dec 24	93	Jan 2	.40	Dec 1 1962
ANNUAL RUNOFF (AC-FT)	281200		221800		261000	
10 PERCENT EXCEEDS	633		477		609	
50 PERCENT EXCEEDS	291		324		316	
90 PERCENT EXCEEDS	98		97		90	

e Estimated

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 except for estimated daily discharges, which are poor. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir, 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, 646 ft^3/s, May 15, 16, gage height, 5.13 ft; minimum daily discharge, 6.2 ft^3/s, Jul 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	e92	e97	151	233	330	318	114	49	17	19	141
2	101	e94	e98	86	196	324	315	126	37	14	20	136
3	100	e98	e97	90	195	315	314	140	43	15	22	123
4	104	e94	e96	97	197	314	350	159	46	11	28	92
5	96	e92	e97	100	195	334	360	184	45	13	26	67
6	102	e86	e98	97	193	333	313	248	43	16	21	51
7	103	e80	e96	102	191	324	280	260	45	15	17	43
8	89	e87	e97	102	190	324	280	277	38	18	14	52
9	104	e88	e102	102	191	337	274	301	37	23	17	61
10	105	e86	106	105	217	327	257	394	40	22	17	56
11	104	e90	104	110	269	329	217	430	49	22	18	45
12	97	e87	102	111	290	336	202	474	43	25	16	45
13	84	e86	92	105	260	333	187	509	32	24	17	43
14	76	e88	73	105	309	330	211	538	35	20	e16	31
15	106	e83	68	105	340	337	217	604	43	19	e17	28
16	e90	e86	68	106	350	330	238	564	45	19	e17	e29
17	e98	e90	68	106	355	336	191	403	36	23	e18	e28
18	e97	e97	68	127	342	335	157	318	50	20	e18	e31
19	e90	e96	70	122	333	339	114	191	58	24	e17	e35
20	e86	e92	76	110	330	336	78	106	55	26	e16	e36
21	e98	e100	84	170	345	330	63	71	50	21	e15	e36
22	e94	e96	80	211	348	332	67	39	31	10	e16	e34
23	e80	e91	80	207	348	333	66	40	25	11	e16	e30
24	e92	e92	80	206	340	336	70	56	26	8.8	e15	e29
25	e96	e93	81	251	324	336	67	88	34	6.2	e16	e28
26	e92	e94	82	221	323	338	62	111	26	11	e17	e27
27	e94	e92	78	203	324	342	60	107	7.3	13	e19	e26
28	e98	e91	78	196	329	346	78	87	6.8	17	e20	e27
29	e92	e95	76	191	325	349	100	79	10	21	e23	e26
30	e89	e98	75	191	---	354	96	69	12	24	e27	e25
31	e94	---	77	225	---	350	---	57	---	24	e87	---
TOTAL	2946	2734	2644	4411	8182	10349	5602	7144	1097.1	553.0	642	1461
MEAN	95.0	91.1	85.3	142	282	334	187	230	36.6	17.8	20.7	48.7
MAX	106	100	106	251	355	354	360	604	58	26	87	141
MIN	76	80	68	86	190	314	60	39	6.8	6.2	14	25
AC-FT	5840	5420	5240	8750	16230	20530	11110	14170	2180	1100	1270	2900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

MEAN	145	206	252	245	258	280	307	323	361	50.0	22.9	53.6
MAX	512	585	574	629	818	1257	1345	1396	1571	390	210	278
(WY)	1984	1983	1983	1997	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	1989	1961	1961	1961	1977	1946	1960	1960

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	79874.5		47765.1			
ANNUAL MEAN	219		131		208	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	1020	Jun 3	604	May 15	2420	May 6 1952
LOWEST DAILY MEAN	8.7	Aug 2	6.2	Jul 25	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	11	Jul 28	11	Jul 22	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	158400		94740		150700	
10 PERCENT EXCEEDS	411		333		422	
50 PERCENT EXCEEDS	122		92		144	
90 PERCENT EXCEEDS	50		18		6.7	

e Estimated

10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT

LOCATION.--Lat 40°26'52", long 111°40'53", in SE$^1/_4$NW$^1/_4$NE$^1/_4$ 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 September 8, 1965, at same site at different datum. September 8, 1965 to November 20, 1967, at site 300 ft upstream.

REMARKS.--Records fair except for estimated daily discharges, 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 PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--73 years, 57.0 ft^3/s, 41,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred Jul 30, 1953, gage height, 9.20 ft, from floodmark; minimum, 1.1 ft^3/s, Dec 20, 1976 (result of freezeup).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	25	22	20	18	19	25	e91	e149	60	53	34
2	30	25	22	20	19	18	25	e103	e135	59	53	33
3	30	25	22	20	19	18	27	e105	e141	57	53	30
4	29	25	18	19	19	19	32	e120	e138	55	53	29
5	28	24	18	20	18	20	40	e142	e136	54	52	28
6	28	24	20	18	18	19	49	e140	e136	52	49	27
7	29	24	22	19	18	19	49	e137	e136	52	49	27
8	29	24	21	20	18	19	49	e137	e134	51	47	27
9	29	25	19	19	18	19	51	e119	e131	51	47	27
10	28	24	22	20	19	19	53	e117	111	51	46	26
11	28	23	19	20	19	18	53	e114	101	49	42	26
12	27	23	22	20	20	19	55	e105	101	48	39	26
13	26	23	22	19	19	19	58	e94	96	46	36	25
14	26	23	21	19	20	19	63	e94	96	45	33	25
15	26	22	19	19	20	19	61	e94	96	45	33	25
16	26	22	22	19	19	18	54	e94	96	45	33	25
17	26	22	22	19	19	19	51	e101	87	45	32	25
18	26	22	21	24	19	19	51	e95	81	45	32	25
19	26	22	21	24	17	19	49	e95	77	44	32	25
20	26	22	21	21	18	19	48	e107	73	42	31	25
21	26	22	21	22	19	17	53	e119	71	42	31	26
22	26	22	21	20	20	19	56	e155	69	42	30	28
23	26	19	19	19	19	20	63	e177	73	41	31	29
24	26	18	19	20	20	21	68	e177	69	45	30	27
25	25	20	20	23	19	21	65	e181	68	55	27	27
26	25	22	20	21	17	23	61	e178	66	58	28	26
27	25	22	20	19	19	25	74	e184	62	60	29	26
28	25	22	21	16	19	29	97	e178	61	60	27	25
29	27	22	21	15	19	27	e98	e163	62	58	27	25
30	26	22	20	16	---	27	e91	e169	62	56	29	24
31	26	---	20	18	---	25	---	e164	---	55	40	---
TOTAL	836	680	638	608	545	631	1669	4049	2914	1568	1174	803
MEAN	27.0	22.7	20.6	19.6	18.8	20.4	55.6	131	97.1	50.6	37.9	26.8
MAX	30	25	22	24	20	29	98	184	149	60	53	34
MIN	25	18	18	15	17	17	25	91	61	41	27	24
AC-FT	1660	1350	1270	1210	1080	1250	3310	8030	5780	3110	2330	1590

CAL YR 1999 TOTAL 22295.0 MEAN 61.1 MAX 279 MIN 18 AC-FT 44220
WTR YR 2000 TOTAL 16115 MEAN 44.0 MAX 184 MIN 15 AC-FT 31960

e Estimated

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--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, Hydrologic Unit 16020201, 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 good except for estimated daily discharges, 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 discharge, 19 ft^3/s, May 25, gage height, 2.66 ft; minimum daily discharge, 0.47 ft^3/s, Aug 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.1	e1.7	e1.2	e.80	.74	.68	5.8	8.2	1.9	.51	.93
2	1.9	2.1	e1.9	e1.4	e.90	.73	.68	6.2	6.8	1.8	.47	.84
3	1.9	2.1	e2.1	e1.5	.78	.74	.66	6.7	6.3	1.7	.53	.80
4	1.8	2.1	e1.6	e1.6	.80	.74	.65	7.4	6.0	1.9	.60	.81
5	1.8	2.1	e1.4	e1.1	.82	.72	.61	6.5	5.7	1.7	.58	.74
6	1.9	2.1	e1.3	e1.2	.81	.71	.64	6.5	6.0	1.5	.55	.76
7	1.9	2.1	e1.6	e1.3	.81	.69	.68	7.1	5.8	1.6	.54	.74
8	1.7	2.1	e1.2	e1.0	.81	.77	.63	7.4	5.2	1.6	.57	.74
9	1.7	2.1	e1.6	e1.2	.80	.78	.66	6.7	4.8	1.6	.56	.72
10	1.7	2.1	e1.4	e1.3	.83	.73	.77	6.7	4.1	1.9	.56	.73
11	1.7	2.1	e1.2	e1.2	.84	.72	.78	6.8	3.6	1.6	.59	.73
12	1.7	2.1	e1.1	e1.1	.89	.72	.84	6.0	3.6	2.1	.55	.64
13	1.7	2.1	e1.2	e1.1	.82	.70	.70	5.2	3.5	2.3	.58	.60
14	1.8	e2.1	e1.4	e1.0	.98	.67	1.7	4.9	3.4	2.5	.61	.58
15	1.8	e2.0	e1.0	e1.0	.86	.64	2.7	5.4	3.2	3.1	.63	.58
16	1.8	e2.2	e1.1	e1.0	.84	.65	2.3	5.7	3.3	3.3	.61	.57
17	1.9	e2.4	e.98	e.94	.88	.69	2.6	5.5	3.4	3.7	.64	.57
18	1.8	e2.3	e.95	e1.1	.81	.68	3.2	5.2	3.3	3.9	.73	.59
19	1.8	e2.1	e.95	e1.0	.87	.75	3.0	4.6	3.2	4.1	.70	.57
20	1.8	e1.9	e.94	e.95	.79	.74	2.2	4.8	3.2	4.1	.64	.57
21	1.8	e2.1	e1.1	e.95	.86	.75	3.5	5.0	3.2	4.7	.65	.59
22	1.8	e2.7	e1.0	e.95	.79	.64	4.5	6.1	2.3	4.8	.67	.57
23	1.8	e2.0	e.93	e1.0	.83	.62	4.7	8.2	2.0	3.0	.67	.67
24	1.7	e1.5	e1.0	e.90	.84	.61	4.3	12	1.9	.83	.69	.54
25	1.8	e1.6	e.90	e.96	.77	.62	4.2	13	1.9	1.5	.71	.54
26	1.9	e1.7	e.94	e.79	.85	.65	4.1	13	2.0	1.3	.79	.51
27	2.0	e1.6	e.90	.88	.77	.70	4.7	11	2.0	1.1	.85	.50
28	2.1	e1.5	e.87	e1.2	.79	.68	5.6	11	2.0	1.8	.79	.52
29	2.1	e1.5	e.90	e1.0	.76	.70	5.9	12	1.9	2.0	.78	.53
30	2.1	e1.6	e.86	e.90	---	.63	5.9	11	2.0	1.3	.87	.52
31	2.1	---	e.90	e1.0	---	.63	---	9.7	---	1.3	.92	---
TOTAL	57.2	60.1	36.92	33.72	24.00	21.54	74.08	233.1	113.8	71.53	20.14	19.30
MEAN	1.85	2.00	1.19	1.09	.83	.69	2.47	7.52	3.79	2.31	.65	.64
MAX	2.1	2.7	2.1	1.6	.98	.78	5.9	13	8.2	4.8	.92	.93
MIN	1.7	1.5	.86	.79	.76	.61	.61	4.6	1.9	.83	.47	.50
AC-FT	113	119	73	67	48	43	147	462	226	142	40	38

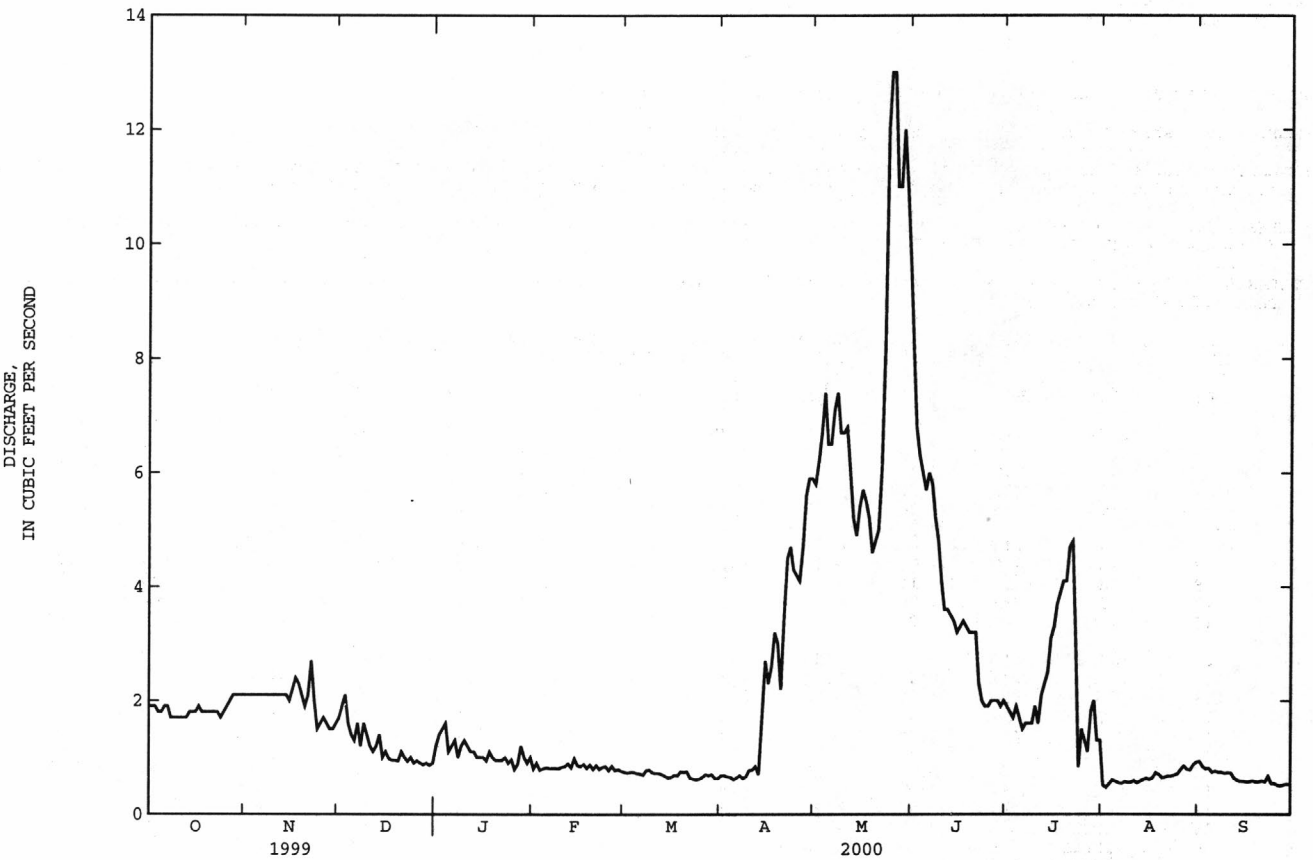
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-2000, BY WATER YEAR (WY)

MEAN	1.42	1.18	.79	.63	.60	1.14	4.57	14.3	12.2	5.36	2.80	1.61
MAX	4.16	3.40	2.05	1.53	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	1996	1996	1996	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1966-75, 1987-2000	
ANNUAL TOTAL	1785.32		765.43			
ANNUAL MEAN	4.89		2.09		3.89	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					.89	1992
HIGHEST DAILY MEAN	23	May 24	13	May 25	85	May 20 1973
LOWEST DAILY MEAN	.86	Dec 30	.47	Aug 2	.03	Oct 2 1992
ANNUAL SEVEN-DAY MINIMUM	.90	Dec 25	.52	Sep 24	.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	3540		1520		2820	
10 PERCENT EXCEEDS	14		5.2		12	
50 PERCENT EXCEEDS	2.1		1.2		1.3	
90 PERCENT EXCEEDS	1.3		.63		.24	

e Estimated

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT--Continued



10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT

LOCATION.--Lat 40°36'52", long 111°50'32", in $SW^1/_4NW^1/_4SE^1/_4$ sec. 28, T. 2 S., R. 1 E., Salt Lake County, on left bank 10 ft upstream from pedestrian bridge on the west side of Crestwood Park.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1, 1998 to September 30, 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,530 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated and daily discharges less than .5 cfs, which are poor. Flow regulated. Diversions for irrigation and return flow from irrigation canals. Stage record from Salt Lake County Engineering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 426 ft^3/s, Jun 23, 1999, gage height, 2.63 ft; minimum daily discharge, 0.03 ft^3/s, Dec 16, 25-27, 1999, July 27, 28, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 388 ft^3/s, May 26, gage height, 2.69 ft; minimum daily discharge, 0.03 ft^3/s, Dec 16, 25-27, Jul 27, 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.74	.15	2.2	2.8	.20	.38	2.0	37	159	6.0	.09	14
2	e.19	.09	.26	.65	.19	.38	2.4	37	128	2.9	.21	14
3	.17	.06	.26	.49	.19	.33	3.5	54	122	1.3	.63	3.1
4	.39	.06	.15	.12	.19	.28	1.9	73	119	.88	2.8	2.1
5	.28	.16	.06	e.25	.19	.28	3.5	97	121	6.1	.75	2.6
6	.17	.45	.06	e.21	.12	.28	4.4	88	111	.71	.67	1.9
7	.68	.60	.08	e.19	.14	.28	e3.8	98	101	.52	.79	.90
8	.44	1.2	.12	e.22	.19	.28	3.8	80	95	.20	.66	1.3
9	.32	.65	.06	e.19	.12	.68	6.2	62	93	.15	.86	1.0
10	.75	.26	.06	e.35	.12	1.3	12	45	55	20	2.2	.25
11	.35	.42	.06	e.25	2.1	.30	5.8	42	37	46	.59	.18
12	.13	.15	.06	e.22	1.3	.28	5.5	33	32	15	.67	.14
13	.56	.12	.08	e.19	3.4	.33	9.0	18	32	4.7	.15	.27
14	.53	.08	.07	e.30	.64	.31	31	12	33	4.3	.09	.15
15	.87	.09	e.05	e.24	.47	.28	26	13	35	4.6	1.3	.08
16	.23	.46	e.03	e.25	.19	.28	18	12	34	1.6	.53	.07
17	.19	3.6	.07	e.27	1.8	.87	10	9.4	17	3.5	.09	.10
18	.26	.66	.06	e.22	.61	.28	8.4	11	12	3.3	3.1	.14
19	.28	1.2	.06	e.19	.28	.55	14	10	13	2.6	17	1.1
20	.25	.13	.06	.12	.31	1.3	6.3	19	9.6	.64	.60	.10
21	.19	.49	.08	2.5	4.5	.29	4.2	45	4.8	.14	.31	3.8
22	.16	.32	.06	.21	.69	.28	6.9	97	4.7	.10	.27	7.4
23	.12	.12	.06	.19	.38	.39	16	178	3.7	.06	.12	15
24	.12	.06	e.04	.19	.99	.28	22	234	3.0	.08	.13	2.4
25	.15	.06	e.03	1.8	.46	.28	7.3	267	2.6	3.0	.11	1.6
26	.14	.06	e.03	.76	.38	.28	9.6	295	2.7	.59	1.2	1.6
27	.21	.06	e.03	.23	.38	.28	13	227	1.0	e.03	8.0	.98
28	.37	.06	e.05	.19	2.6	2.3	28	253	2.2	e.03	.18	.66
29	1.2	.06	.08	.19	.41	.64	60	281	3.2	.19	.23	.38
30	.12	.10	.11	.19	---	6.2	30	255	8.1	.26	12	.29
31	.12	---	2.8	.38	---	2.4	---	209	---	.13	47	---
TOTAL	10.68	11.98	7.28	14.55	23.54	22.87	374.5	3191.4	1394.6	129.61	103.33	77.59
MEAN	.34	.40	.23	.47	.81	.74	12.5	103	46.5	4.18	3.33	2.59
MAX	1.2	3.6	2.8	2.8	4.5	6.2	60	295	159	46	47	15
MIN	.12	.06	.03	.12	.12	.28	1.9	9.4	1.0	.03	.09	.07
AC-FT	21	24	14	29	47	45	743	6330	2770	257	205	154

e Estimated

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 27, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 18, 1999 to September 30, 2000.
WATER TEMPERATURE: October 28, 1998 to September 30, 2000.

INSTRUMENTATION.--Temperature data logger installed October 1998; Temperature/conductivity data logger installed February 1999.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 9,360 microsiemens, Mar 10, 2000; minimum, 72 microsiemens, Aug 30, 2000.
WATER TEMPERATURE: Maximum, 29.6°C, Jul 30, Aug 17, 2000; minimum, 0.0°C, on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 9,360 microsiemens, Mar 10; minimum, 72 microsiemens, Aug 30.
WATER TEMPERATURE: Maximum recorded, 29.6°C, Jul 30, Aug 17; minimum, 0.0°C, on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	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										
27...	0830	.16	122	11.8	8.3	543	9.5	190	55	13
NOV										
19...	1340	.57	109	11.6	8.6	509	5.8	150	43	9.7
DEC										
23...	1320	.13	105	13.2	7.8	749	.0	230	65	15
JAN										
25...	1335	.60	104	11.2	8.2	2320	4.0	210	61	13
FEB										
23...	1400	.20	109	10.8	8.6	970	8.8	210	61	15
MAR										
25...	1150	.75	120	10.9	8.5	436	12.0	140	40	9.1
31...	1310	122	--	--	8.0	390	5.0	180	52	12
APR										
13...	1230	3.5	100	10.5	8.6	338	13.0	110	31	6.9
20...	1340	64	--	9.1	8.6	198	12.0	35	11	1.9
MAY										
11...	1220	20	112	11.2	8.5	254	8.2	76	22	5.0
JUN										
15...	1420	227	113	10.7	7.9	125	10.1	48	14	3.0
JUL										
28...	0920	.75	101	8.4	8.3	355	16.5	120	36	7.7
SEP										
02...	1310	2.9	97	9.5	8.2	245	16.0	89	26	5.5
15...	1020	.75	99	10.4	8.4	295	13.0	110	31	6.8

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
27...	2.8	1	32	172	210	--	41	.37	10	38
NOV										
19...	2.8	1	40	115	134	3	67	.33	7.5	26
DEC										
23...	2.9	2	54	161	197	--	100	.37	9.9	39
JAN										
25...	3.0	11	376	92	112	--	640	.30	7.7	36
FEB										
23...	3.1	3	108	123	147	1	200	.33	7.0	38
MAR										
25...	2.4	1	32	98	107	6	61	.28	3.7	26
31...	2.8	.4	13	137	167	--	17	.21	8.7	44
APR										
13...	2.0	1	24	79	95	1	43	.25	6.8	21
20...	1.4	2	24	33	40	--	31	.12	2.6	7.3
MAY										
11...	1.2	.9	18	53	65	--	32	.23	7.3	16
JUN										
15...	.67	.3	5.5	37	45	--	7.7	.20	4.9	9.8
JUL										
28...	1.8	.9	22	97	119	--	33	.30	8.4	20
SEP										
02...	1.3	.6	13	71	87	--	16	.32	6.2	21
15...	1.5	.6	15	87	106	--	20	.35	6.5	27

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
27...	<.020	.19	.19	2.36	<.010	<.050	.010	<.050	.44	.14
NOV										
19...	.026	.10	.13	.733	<.010	<.050	<.010	<.050	.40	.45
DEC										
23...	.034	.19	.10	2.41	.013	<.050	.018	<.050	.58	.15
JAN										
25...	.020	.16	.16	1.29	.019	.004	<.010	.007	1.74	2.07
FEB										
23...	.024	.12	.17	1.64	<.010	<.004	<.010	.009	.74	.29
MAR										
25...	<.020	.12	.20	.517	<.010	<.004	<.010	.011	.34	.50
31...	.067	.29	.67	.176	<.010	.021	.012	.134	.33	81.0
APR										
13...	<.020	E.10	.12	.409	<.010	<.004	.011	.007	.26	1.83
20...	.327	.92	2.6	.306	.028	.070	.039	.370	.16	20.4
MAY										
11...	.036	E.10	.12	.298	<.010	<.004	.014	.007	.18	7.31
JUN										
15...	.022	E.10	.16	.185	<.010	<.004	.017	.019	.11	49.0
JUL										
28...	<.020	.16	.16	.791	<.010	.009	<.010	.011	.28	.42
SEP										
02...	<.020	E.10	.16	.166	<.010	.007	<.010	.007	.19	1.11
15...	<.020	.12	.15	.425	<.010	.004	<.010	.004	.23	.34

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
27...	322	306	--	<10	9.1	2.4	<.20	.00	11	--
NOV										
19...	293	268	--	E7.6	3.8	1.8	.20	.00	2	--
DEC										
23...	425	399	--	<10	6.8	1.7	.20	.01	20	--
JAN										
25...	1280	1200	--	<30	40	1.9	<.20	.00	2	--
FEB										
23...	546	516	--	E6.3	5.1	2.2	.20	.00	3	--
MAR										
25...	249	236	--	E9.1	E2.7	1.9	.20	.01	2	--
31...	246	232	--	<10	5.4	3.3	1.9	30	92	62
APR										
13...	191	185	--	E5.6	2.2	1.6	.20	.02	2	44
20...	118	101	--	16	11	9.0	>5.0	.52	3	49
MAY										
11...	--	135	--	<10	1.5	1.6	.20	11	194	79
JUN										
15...	80	69	--	E5.4	2.3	1.6	.50	6.4	10	50
JUL										
28...	205	191	1.0	<10	5.2	1.6	.20	.00	1	64
SEP										
02...	140	134	1.0	<10	2.1	1.8	.30	.06	7	6
15...	168	163	.55	<10	1.6	1.3	.20	.00	1	0

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
NOV									
19...	1340	V4.8	<1.0	1	112	<1.0	<1.0	<1.0	<1.0
DEC									
23...	1320	V9.2	1.7	1	164	<1.0	<1.0	2.7	<1.0
JAN									
25...	1335	V4.6	1.1	<1	161	<1.0	<1.0	5.4	<1.0
FEB									
23...	1400	V6.8	1.4	<1	166	<1.0	<1.0	6.6	<1.0
MAR									
31...	1310	V3.6	<1.0	3	74	<1.0	<1.0	<1.0	<1.0
APR									
13...	1230	V9.1	<1.0	<1	87	<1.0	<1.0	<1.0	<1.0
20...	1340	V18	<1.0	7	24	<1.0	<1.0	1.3	<1.0
MAY									
11...	1220	V10	<1.0	1	67	<1.0	<1.0	<1.0	<1.0
JUN									
15...	1420	V20	<1.0	<1	29	<1.0	<1.0	<1.0	<1.0
JUL									
28...	0920	V14	1.2	<1	89	<1.0	<1.0	<1.0	<1.0
SEP									
02...	1310	V19	1.3	1	54	<1.0	<1.0	<1.0	<1.0
15...	1020	V8.9	1.7	1	72	<1.0	<1.0	<1.0	<1.0

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	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)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
NOV								
19...	2.7	<1.0	4.6	<1.0	1	<1.0	V16	19
DEC								
23...	3.3	<1.0	6.6	1.7	1	<1.0	45	36
JAN								
25...	4.4	<1.0	4.5	1.7	<1	<1.0	V32	25
FEB								
23...	3.6	<1.0	5.9	1.9	1	<1.0	V13	39
MAR								
31...	1.6	<1.0	1.1	1.4	<1	<1.0	V5.1	1.2
APR								
13...	2.0	<1.0	3.1	<1.0	<1	<1.0	V6.8	13
20...	5.1	<1.0	1.1	1.0	<1	<1.0	V15	<1.0
MAY								
11...	2.3	<1.0	2.8	<1.0	<1	<1.0	V14	4.9
JUN								
15...	4.6	<1.0	3.2	<1.0	<1	<1.0	V24	1.1
JUL								
28...	3.2	<1.0	5.1	1.2	<1	<1.0	V17	15
SEP								
02...	2.8	<1.0	5.3	<1.0	<1	<1.0	V6.6	5.3
15...	2.8	<1.0	5.9	<1.0	<1	<1.0	V20	10

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT										
20...	1030	ENVIRONMENTAL	3.3	110	12.3	8.2	550	4.2	190	54
NOV										
15...	0910	ENVIRONMENTAL	.12	123	14.1	8.1	535	3.1	190	56
DEC										
13...	1000	ENVIRONMENTAL	.01	99	11.6	8.2	920	3.0	250	73
JAN										
28...	1210	FIELD BLANK	--	--	--	--	--	--	--	<.020
28...	1250	ENVIRONMENTAL	.23	109	13.4	8.4	1060	.6	300	85
28...	1251	REPLICATE	.23	--	--	8.4	1060	.6	310	88
FEB										
14...	1010	ENVIRONMENTAL	.22	106	11.3	7.9	990	5.2	270	77
MAR										
16...	0850	ENVIRONMENTAL	--	106	12.3	7.8	1130	1.6	330	95
APR										
14...	0756	ENVIRONMENTAL	76	98	9.3	7.9	250	9.5	58	17
14...	0905	ENVIRONMENTAL	112	95	9.0	7.5	205	9.5	44	13
14...	1000	ENVIRONMENTAL	41	90	8.5	7.8	151	9.6	35	11
17...	1210	ENVIRONMENTAL	15	99	9.5	7.8	364	10.0	95	28
MAY										
30...	1240	ENVIRONMENTAL	197	106	10.0	7.6	111	10.4	39	11
JUN										
21...	1140	ENVIRONMENTAL	3.7	120	10.2	8.6	208	15.5	68	20
JUL										
17...	1110	ENVIRONMENTAL	2.0	131	9.7	7.9	280	22.0	95	28
AUG										
15...	1130	ENVIRONMENTAL	.66	135	10.0	8.1	460	22.5	140	42
SEP										
12...	1000	ENVIRONMENTAL	.66	152	13.1	8.0	410	15.0	140	42

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT										
20...	13	2.4	1	32	168	205	44	.37	8.1	39
NOV										
15...	13	2.8	1	32	166	203	43	.42	8.5	36
DEC										
13...	17	3.3	3	93	162	198	170	.41	8.9	40
JAN										
28...	<.014	<.24	--	<.090	--	--	<.29	<.10	<.090	<.31
28...	20	3.2	2	79	149	182	210	.37	8.7	43
28...	21	3.1	2	82	149	182	220	.36	9.0	43
FEB										
14...	18	3.5	2	83	146	178	200	.32	8.0	43
MAR										
16...	23	3.5	2	84	--	--	220	.37	8.9	53
APR										
14...	3.5	1.7	1	26	39	48	42	.17	4.3	13
14...	2.7	1.2	1	18	33	41	32	.14	3.4	9.2
14...	2.0	1.2	1	13	31	38	22	.17	2.7	6.5
17...	6.3	1.5	1	25	64	78	51	.19	6.9	19
MAY										
30...	2.5	.51	.3	4.1	32	40	6.2	.59	4.7	8.2
JUN										
21...	4.4	.92	.6	11	54	65	16	.25	5.5	16
JUL										
17...	5.9	1.7	.7	16	77	94	21	.31	6.7	22
AUG										
15...	9.7	2.2	2	45	130	159	54	.36	7.6	34
SEP										
12...	9.4	2.0	1	27	118	144	30	.34	7.6	35

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)
OCT										
20...	<.020	.21	.20	2.37	<.010	E.003	<.010	<.008	.43	2.82
NOV										
15...	<.020	E.10	.15	2.09	<.010	<.006	<.010	<.008	.42	.10
DEC										
13...	<.020	.13	.13	2.00	<.010	<.006	<.010	<.008	.70	.01
JAN										
28...	<.020	<.10	<.10	<.050	<.010	<.006	<.010	<.008	--	--
28...	<.020	.14	.16	1.96	<.010	<.006	<.010	<.008	.81	.37
28...	<.020	.12	.13	1.98	<.010	<.006	<.010	<.008	.81	.37
FEB										
14...	<.020	E.10	.11	1.67	<.010	<.006	<.010	E.004	.76	.33
MAR										
16...	<.020	.21	.31	2.62	<.010	<.006	<.010	<.008	--	--
APR										
14...	.233	.68	4.1	.359	.022	.067	.045	.827	.20	29.8
14...	.169	.42	3.9	.259	.012	.063	.045	.805	.15	33.0
14...	.143	.40	1.6	.226	.010	.067	.048	.355	.11	9.19
17...	<.020	E.10	.12	.270	<.010	<.006	<.010	E.004	.26	7.70
MAY										
30...	<.020	<.10	E.08	.168	<.010	<.006	<.010	.016	.09	35.6
JUN										
21...	.022	.10	.15	.254	<.010	E.003	<.010	.008	.16	1.14
JUL										
17...	<.020	.28	.41	.593	.010	.014	.010	.024	.22	.89
AUG										
15...	<.020	.21	.25	.966	<.010	.040	<.010	E.006	.38	.50
SEP										
12...	<.020	.17	.23	.610	<.010	E.003	<.010	E.005	.32	.42

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	TUR-BID-ITY (NTU) (00076)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
20...	316	305	.47	<10	2.3	2.3	.40	.06	7	29
NOV										
15...	306	302	.41	E6.2	1.9	2.0	<.20	.00	0	0
DEC										
13...	517	511	.45	<10	3.2	E1.7	<.20	--	--	--
JAN										
28...	<10	--	.30	<10	<1.0	<.33	<.20	--	--	--
28...	594	549	.40	<10	4.6	1.8	<.20	.01	12	93
28...	598	561	.40	<10	4.7	1.6	<.20	--	--	--
FEB										
14...	557	526	.49	<10	1.9	2.0	<.20	.01	10	--
MAR										
16...	644	--	--	E5.6	4.3	2.3	.20	--	--	--
APR										
14...	145	132	52	18	7.6	8.1	>5.0	98	477	94
14...	109	102	25	15	9.0	5.6	>5.0	--	--	--
14...	83	78	45	18	9.2	4.4	1.9	--	--	--
17...	190	177	.30	<10	1.5	1.5	.27	.20	5	73
MAY										
30...	67	58	2.0	E5.5	1.8	1.4	.45	8.0	15	58
JUN										
21...	114	108	.50	<10	2.5	1.3	<.20	.02	2	50
JUL										
17...	165	150	1.5	<10	3.8	5.4	<.20	.02	4	100
AUG										
15...	281	278	1.5	<10	E1.2	2.4	.22	.01	5	97
SEP										
12...	233	228	5.0	<10	2.0	2.2	<.20	.01	7	96

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	SAMPLE TYPE	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)
OCT											
20...	1030	ENVIRONMENTAL	V2.3	1.6	<2	126	<1.0	--	<1.0	<.80	<1.0
NOV											
15...	0910	ENVIRONMENTAL	V1.9	1.6	<2	127	<1.0	--	<1.0	<.80	<1.0
JAN											
28...	1210	FIELD BLANK	9.9	<1.0	<2	<1.0	<1.0	--	<1.0	<.80	<1.0
28...	1250	ENVIRONMENTAL	V8.7	1.6	<2	237	<1.0	--	<1.0	<.80	<1.0
FEB											
14...	1010	ENVIRONMENTAL	V3.3	1.1	E1	100	<1.0	14	<1.0	<1.0	<1.0
MAR											
16...	0850	ENVIRONMENTAL	V1.9	1.9	<1	241	<1.0	24	<1.0	<1.0	<1.0
APR											
14...	0756	ENVIRONMENTAL	V11	<1.0	E2	39	<1.0	--	<1.0	.88	<1.0
14...	0905	ENVIRONMENTAL	V9.8	<1.0	2	28	<1.0	--	<1.0	1.1	<1.0
14...	1000	ENVIRONMENTAL	V15	<1.0	E1	21	<1.0	--	<1.0	1.1	<1.0
17...	1210	ENVIRONMENTAL	V11	1.1	1	74	<1.0	E11	<1.0	<.80	<1.0
MAY											
30...	1240	ENVIRONMENTAL	V33	<1.0	E1	24	<1.0	E8.4	<1.0	<.80	<1.0
JUN											
21...	1140	ENVIRONMENTAL	V29	<1.0	E1	42	<1.0	E6.8	<1.0	<.80	<1.0
JUL											
17...	1110	ENVIRONMENTAL	V28	1.2	2	64	<1.0	16	<1.0	E.52	<1.0
SEP											
12...	1000	ENVIRONMENTAL	V7.4	1.6	2	100	<.06	23	.14	<.80	.10

DATE	COPPER, DISSOLVED (UG/L AS CU) (01040)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	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)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)
OCT												
20...	3.4	<1.0	--	7.9	<1.0	<2	<1.0	--	--	--	V24	38
NOV												
15...	2.9	<1.0	--	6.7	1.2	<2	<1.0	--	--	--	V27	44
JAN												
28...	<1.0	<1.0	--	<1.0	<1.0	<2	<1.0	--	--	--	4.0	<1.0
28...	3.4	<1.0	--	7.1	1.4	E1	<1.0	--	--	--	V41	49
FEB												
14...	1.8	<1.0	3	3.2	<1.0	<1	<1.0	204	<.90	<1	V31	24
MAR												
16...	3.6	<1.0	4	9.0	<1.0	1	<1.0	468	<.90	<1	V41	73
APR												
14...	5.3	<1.0	--	2.2	1.1	<2	<1.0	--	--	--	V58	1.6
14...	4.2	<1.0	--	1.6	<1.0	E2	<1.0	--	--	--	V20	1.1
14...	4.5	<1.0	--	1.2	<1.0	<2	<1.0	--	--	--	V16	<1.0
17...	2.3	<1.0	2	3.3	<1.0	M	<1.0	184	<.90	<1	V24	5.5
MAY												
30...	4.0	<1.0	1	3.1	<1.0	<1	<1.0	63	<.90	<1	V24	<1.0
JUN												
21...	3.1	<1.0	1	4.1	<1.0	<1	<1.0	108	<.90	<1	V24	4.4
JUL												
17...	3.8	<1.0	3	5.4	1.9	<1	<1.0	172	<.90	<1	V11	6.4
SEP												
12...	3.5	.15	5	7.3	.35	M	<1.0	224	.06	M	V7.0	24

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DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	512	336	385	607	537	587	5000	641	1480	---	---	---
2	556	443	508	629	590	613	4430	1320	2530	---	---	---
3	568	423	508	634	590	620	7650	855	2670	---	---	---
4	571	359	426	635	589	621	5670	1960	4250	---	---	---
5	532	351	425	634	594	621	2190	1380	1830	---	---	---
6	567	408	504	634	443	503	1380	948	1110	---	---	---
7	565	291	403	489	422	451	1530	859	919	---	---	---
8	441	305	385	436	401	423	2820	1530	2320	---	---	---
9	453	283	374	426	386	394	1610	938	1180	---	---	---
10	379	279	315	468	426	457	2600	870	973	---	---	---
11	479	306	384	485	468	476	3510	1970	3030	---	---	---
12	531	304	468	522	481	489	1970	1030	1330	---	---	---
13	388	229	326	560	522	540	4170	873	1120	---	---	---
14	360	303	332	579	560	572	5770	3700	4690	1420	1280	1340
15	375	292	325	589	576	583	7170	2140	5290	1320	1210	1270
16	516	359	423	597	515	581	2140	1310	1620	1240	1170	1210
17	543	515	529	515	89	433	1840	1190	1300	1200	1100	1150
18	555	515	539	520	212	373	1950	1450	1750	1300	675	953
19	566	529	551	543	386	434	1500	1150	1300	1160	1040	1120
20	575	535	562	576	471	531	1170	1120	1140	1160	1070	1120
21	588	542	573	689	204	494	3830	1080	1720	1110	199	688
22	601	556	586	3040	682	1490	3850	1390	2920	1360	912	1140
23	612	566	596	3040	1050	2170	1390	1120	1250	1170	1100	1130
24	620	577	605	1050	738	847	1150	1070	1120	1150	1080	1120
25	630	493	580	754	692	723	---	---	---	1140	228	800
26	560	479	506	704	649	681	---	---	---	896	273	573
27	577	554	567	677	639	663	---	---	---	1270	896	1010
28	592	383	539	680	640	661	---	---	---	1130	935	1060
29	480	181	310	669	642	657	---	---	---	1170	1020	1110
30	543	376	429	656	644	652	---	---	---	1160	994	1090
31	590	543	577	---	---	---	---	---	---	6640	990	2060
MONTH	630	181	469	3040	89	645	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2700	1280	1630	1090	1060	1070	631	494	563	---	---	---
2	1280	1120	1190	1080	890	1050	581	520	555	---	---	---
3	1170	1060	1120	1080	1010	1050	560	265	493	---	---	---
4	1190	920	1070	1070	994	1040	642	483	543	---	---	---
5	1060	979	1030	1050	995	1030	525	370	429	---	---	---
6	1040	974	1020	1050	981	1030	397	354	372	160	153	157
7	1040	948	998	1050	980	1020	---	---	---	167	147	155
8	1010	933	976	1050	972	1010	418	332	358	197	155	169
9	979	908	956	1030	555	756	366	288	341	203	197	200
10	972	897	944	9360	744	3910	522	300	379	208	161	202
11	945	351	698	3630	1430	2020	541	357	391	213	161	202
12	1030	279	846	1440	1210	1270	398	324	371	232	209	217
13	2880	279	664	1300	804	1120	344	236	326	---	---	---
14	1020	282	899	1260	872	1050	391	160	321	228	190	207
15	1020	282	862	1110	869	1030	380	343	363	221	191	201
16	1040	1000	1020	1140	1050	1100	375	326	356	240	198	210
17	2500	224	973	1120	481	767	407	355	379	220	177	197
18	3020	1590	2590	1130	986	1070	400	284	369	---	---	---
19	2450	1250	1550	1140	385	980	416	266	364	---	---	---
20	1250	1120	1180	5550	574	3800	455	384	405	---	---	---
21	1160	280	992	5330	1640	2970	457	361	421	---	---	---
22	1120	447	858	1640	1320	1430	438	126	381	---	---	---
23	1150	1100	1130	1590	861	1170	327	126	287	---	---	---
24	1510	542	1040	1280	1140	1220	372	202	330	---	---	---
25	1510	1250	1350	1300	1160	1240	---	---	---	---	---	---
26	1250	1080	1150	1280	1130	1230	---	---	---	---	---	---
27	1130	1060	1100	1290	1090	1200	---	---	---	---	---	---
28	1580	444	1010	1200	575	934	---	---	---	---	---	---
29	1090	948	1040	878	642	752	---	---	---	---	---	---
30	---	---	---	1290	235	823	---	---	---	---	---	---
31	---	---	---	916	511	652	---	---	---	117	101	110
MONTH	3020	224	1100	9360	235	1320	---	---	---	---	---	---

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(National Water-Quality Assessment Program Station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	130	110	120	---	---	---	613	392	446	202	155	181
2	128	114	122	---	---	---	603	344	450	216	167	189
3	125	112	119	---	---	---	450	293	365	225	207	215
4	124	111	117	---	---	---	493	224	292	285	210	237
5	123	109	117	---	---	---	343	267	295	282	226	259
6	122	109	116	---	---	---	320	247	293	325	252	283
7	124	110	117	---	---	---	416	245	298	341	237	294
8	120	112	117	---	---	---	361	260	301	329	247	283
9	134	113	120	---	---	---	299	230	267	391	229	285
10	149	127	140	---	---	---	318	190	259	450	333	381
11	147	140	144	---	---	---	375	243	282	473	348	398
12	151	138	143	---	---	---	381	253	286	501	404	437
13	143	130	141	---	---	---	494	311	367	477	276	385
14	144	132	138	---	---	---	460	348	405	518	375	421
15	144	127	137	---	---	---	482	201	414	535	310	486
16	145	126	132	---	---	---	389	205	325	548	455	514
17	161	141	150	---	---	---	507	389	441	553	445	520
18	163	148	155	---	---	---	518	129	417	558	415	512
19	160	147	155	---	---	---	248	138	219	549	234	363
20	237	148	170	---	---	---	409	248	338	536	402	474
21	216	177	195	---	---	---	407	318	376	522	142	407
22	237	166	192	547	322	371	437	356	402	315	97	234
23	242	184	202	663	322	444	479	367	430	270	84	178
24	345	171	214	476	308	384	496	423	468	299	230	276
25	285	170	202	513	209	402	507	434	481	285	254	267
26	309	183	213	550	209	359	505	253	440	279	248	262
27	---	---	---	627	431	494	327	224	261	356	248	280
28	---	---	---	627	438	510	469	327	414	357	273	298
29	---	---	---	617	322	446	475	341	416	410	304	331
30	---	---	---	490	331	389	456	72	351	451	312	359
31	---	---	---	459	348	402	200	141	170	---	---	---
MONTH	---	---	---	---	---	---	613	72	354	558	84	334

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.2	7.5	10.2	9.7	4.1	6.1	6.5	3.0	5.2	---	---	---
2	13.8	5.0	9.1	8.4	3.7	5.7	3.8	1.5	2.7	---	---	---
3	13.9	5.5	9.3	8.3	3.8	5.8	1.6	.4	1.0	---	---	---
4	14.4	6.2	9.8	8.7	4.1	6.0	.9	.4	.7	---	---	---
5	15.5	7.5	11.0	9.4	5.1	6.9	.9	.5	.7	---	---	---
6	14.8	8.5	11.4	10.8	5.1	7.4	.9	.6	.7	---	---	---
7	14.4	9.9	11.7	10.4	5.3	7.8	2.9	.9	1.8	---	---	---
8	14.8	7.8	10.8	11.2	8.1	9.4	2.5	.8	1.6	---	---	---
9	15.5	8.0	11.3	10.5	6.6	8.5	1.2	.7	.9	---	---	---
10	15.2	8.4	11.4	9.5	4.8	7.0	2.7	.6	1.5	---	---	---
11	16.4	9.8	12.4	9.5	4.9	6.9	.9	.5	.7	---	---	---
12	16.0	9.2	12.1	8.4	4.2	6.0	3.2	.9	1.9	---	---	---
13	14.8	8.3	11.2	7.6	3.7	5.4	3.2	.5	1.9	---	---	---
14	14.3	7.7	10.7	7.0	3.0	5.0	1.2	.3	.7	5.4	1.9	3.4
15	12.5	7.2	9.6	7.3	3.2	5.1	1.3	.3	.7	6.4	1.5	3.7
16	10.1	4.9	7.3	7.8	4.1	5.8	4.1	.9	2.4	6.8	4.4	5.4
17	9.8	3.3	6.1	8.9	5.3	7.0	4.7	2.9	3.5	8.1	4.8	6.0
18	10.6	3.6	6.8	6.7	3.7	5.1	4.3	2.2	3.2	8.8	4.8	6.5
19	10.5	3.9	6.8	5.3	1.8	3.7	4.6	2.9	3.4	7.7	4.0	6.0
20	10.7	3.9	6.8	6.8	4.1	5.2	3.8	2.8	3.2	8.2	3.0	5.1
21	10.8	4.1	7.1	4.1	2.5	3.4	4.5	2.2	3.1	7.2	2.9	5.2
22	10.5	4.0	7.0	4.6	1.5	3.1	2.5	1.1	1.9	5.4	1.5	3.1
23	10.5	3.8	7.0	2.4	.9	1.5	1.1	.7	.9	4.4	.1	1.9
24	11.0	4.5	7.4	1.3	.8	1.0	.9	.6	.7	6.3	2.4	4.0
25	10.9	4.3	7.4	3.8	.9	2.5	---	---	---	6.3	4.0	4.9
26	10.9	4.6	7.5	6.7	3.5	4.9	---	---	---	6.6	3.4	4.9
27	11.5	6.4	8.6	7.4	4.6	5.7	---	---	---	4.0	.2	2.2
28	11.6	7.3	9.4	6.2	2.8	4.5	---	---	---	.4	.0	.2
29	10.6	5.7	8.2	6.0	3.3	4.5	---	---	---	.3	.0	.1
30	8.8	3.5	5.8	6.6	4.5	5.5	---	---	---	.2	.0	.1
31	9.5	3.8	6.3	---	---	---	---	---	---	.4	.0	.1
MONTH	16.4	3.3	9.0	11.2	.8	5.4	---	---	---	---	---	---

10167800 LITTLE COTTONWOOD CREEK AT CRESTWOOD PARK AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.2	.0	.7	6.7	4.9	5.7	13.2	3.3	7.7	---	---	---
2	3.0	.0	.9	9.4	3.0	5.8	14.0	4.8	8.9	---	---	---
3	2.9	.0	.9	10.8	1.0	5.2	15.1	6.2	10.0	---	---	---
4	4.8	.0	1.7	12.3	1.5	6.3	17.4	6.0	11.1	---	---	---
5	6.0	.2	2.5	8.8	4.3	6.2	16.2	9.7	12.5	---	---	---
6	5.8	.2	2.4	7.8	2.4	4.9	16.2	7.2	11.4	8.9	5.3	6.9
7	6.5	.3	2.6	10.1	1.2	5.3	14.7	6.9	10.4	8.2	5.7	6.8
8	6.9	.8	3.5	9.9	3.9	6.3	15.4	5.0	9.9	8.4	5.0	6.4
9	9.2	2.9	5.6	7.1	2.8	4.9	14.4	7.5	10.6	8.9	4.6	6.6
10	9.1	3.9	5.8	7.4	1.2	3.7	13.5	5.7	9.5	10.1	6.2	7.7
11	9.4	4.7	6.4	8.9	1.0	4.6	15.4	6.0	10.4	7.8	3.8	5.5
12	6.4	2.3	4.8	11.8	3.8	6.7	15.8	6.4	10.9	9.1	3.3	5.7
13	4.9	1.7	3.3	12.8	1.2	6.1	14.9	7.9	11.5	11.2	3.6	7.2
14	9.1	4.1	6.1	10.5	2.7	6.0	11.4	6.1	8.7	14.8	5.5	9.6
15	8.2	2.9	5.3	9.0	3.0	5.8	12.2	5.5	8.0	13.8	7.9	10.3
16	6.1	2.4	4.2	12.3	.5	5.8	10.1	5.9	8.1	10.8	6.9	8.6
17	4.7	1.5	3.3	10.0	3.4	6.2	13.4	7.1	9.8	12.1	7.0	9.2
18	6.7	1.2	3.4	12.6	2.3	6.3	10.5	7.1	8.5	11.5	8.0	9.7
19	6.0	.1	2.1	6.9	1.1	3.7	9.9	5.7	7.3	14.9	6.8	10.5
20	7.8	.2	3.6	6.2	.8	3.0	15.6	5.2	9.8	15.8	6.8	10.7
21	11.5	4.0	7.0	11.9	.0	4.7	15.4	7.4	11.0	12.8	6.0	8.9
22	11.2	4.5	7.2	13.6	.5	6.2	16.9	8.9	11.9	---	---	---
23	8.8	3.3	5.5	13.0	1.8	6.6	13.0	7.8	10.4	---	---	---
24	7.6	2.2	4.4	14.6	2.1	7.6	13.0	6.0	9.0	---	---	---
25	5.0	.6	2.5	15.8	2.8	8.5	15.4	5.6	10.0	---	---	---
26	7.4	.1	3.0	17.8	6.0	10.9	15.7	7.0	11.1	---	---	---
27	8.4	1.6	5.0	17.8	4.3	10.8	16.7	7.6	11.8	---	---	---
28	5.4	3.5	4.5	11.2	6.4	9.7	13.4	7.0	9.9	---	---	---
29	10.3	1.4	5.4	15.1	3.6	8.6	9.1	5.1	6.9	---	---	---
30	---	---	---	7.4	3.6	5.4	10.8	3.8	7.2	---	---	---
31	---	---	---	11.7	2.4	6.5	---	---	---	10.0	5.7	7.4
MONTH	11.5	.0	3.9	17.8	.0	6.3	17.4	3.3	9.8	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.2	4.3	6.9	---	---	---	28.5	17.6	22.6	15.8	13.0	14.0
2	11.9	5.7	8.3	---	---	---	27.9	18.3	22.2	17.4	11.1	13.9
3	12.1	6.2	8.7	---	---	---	26.8	18.9	22.2	18.5	11.6	14.6
4	12.5	6.3	8.9	---	---	---	21.9	17.8	19.5	20.2	12.2	15.7
5	12.1	6.7	9.1	---	---	---	27.7	16.4	20.8	19.9	13.8	16.4
6	12.7	6.7	9.3	---	---	---	27.2	16.1	20.9	18.2	12.8	14.9
7	12.9	6.9	9.6	---	---	---	25.8	16.5	20.8	19.6	11.2	14.8
8	12.2	7.9	9.7	---	---	---	28.4	16.7	21.4	16.8	13.1	14.7
9	9.4	6.6	7.8	---	---	---	25.6	17.3	20.8	19.4	13.0	15.5
10	13.4	6.0	9.2	---	---	---	26.1	17.9	20.4	21.4	11.3	15.8
11	14.5	7.2	10.5	---	---	---	26.9	18.5	21.6	21.6	12.4	16.7
12	12.6	8.2	10.4	---	---	---	27.0	16.4	21.0	21.5	13.1	16.8
13	13.9	8.9	11.1	---	---	---	28.1	16.6	21.8	23.0	13.6	17.3
14	14.8	7.2	10.7	---	---	---	27.7	16.6	22.0	22.2	14.1	17.7
15	15.6	8.4	11.5	---	---	---	28.3	18.0	22.0	20.9	13.9	17.3
16	12.7	7.2	9.9	---	---	---	29.1	18.0	22.5	20.3	14.7	17.4
17	14.8	6.8	10.6	---	---	---	29.6	18.6	23.5	20.8	16.5	18.3
18	12.2	8.8	10.4	---	---	---	25.8	19.7	22.2	20.3	14.6	17.3
19	14.4	9.7	11.5	---	---	---	20.4	15.8	18.0	19.1	13.3	16.2
20	15.9	8.0	11.8	---	---	---	26.6	16.0	20.4	18.6	13.7	16.2
21	20.1	8.6	13.7	---	---	---	25.8	15.2	20.0	18.0	13.2	14.5
22	20.8	10.2	15.0	---	---	---	26.4	16.1	20.5	15.1	11.9	13.1
23	21.3	11.5	16.0	28.3	16.2	21.6	27.8	17.0	21.5	13.5	9.3	11.3
24	23.4	12.3	17.1	28.9	16.9	22.2	27.6	16.8	22.0	12.5	7.7	9.8
25	23.6	14.6	18.5	24.9	15.4	19.2	25.9	18.0	21.5	13.5	7.4	10.1
26	21.9	15.1	17.7	28.3	15.2	21.2	24.6	18.7	21.3	14.0	7.9	10.6
27	---	---	---	28.5	17.3	22.4	21.9	15.6	18.5	14.7	8.7	11.5
28	---	---	---	28.0	16.2	21.6	26.5	16.7	20.9	16.4	11.2	13.5
29	---	---	---	28.4	16.1	21.6	25.6	17.6	21.1	16.9	11.7	14.0
30	---	---	---	29.6	16.5	22.0	22.2	18.4	20.1	16.5	11.6	13.8
31	---	---	---	29.2	17.0	22.3	18.5	13.7	15.8	---	---	---
MONTH	---	---	---	---	---	---	29.6	13.7	21.0	23.0	7.4	14.8

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°39'51", long 111°53'53", in $SW^1/_4NW^1/_4NE^1/_4$ sec. 12, T. 2 S., R. 1 W., Salt Lake County, on right bank 10 ft upstream from 300 W. bridge, and 3000 ft upstream from mouth.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981, October 1, 1998 to current year (corrected).

GAGE.--Water-stage recorder. Elevation of gage is 4,255 ft above sea level, from topographic map. Records previous to October 1998 published by the U.S.G.S. from water stage recorder at site approximately 1000 feet downstream at different datum. Additional discharge records available from Salt Lake County Engineering.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 505 ft^3/s, May 25, 2000, gage height 4.11 ft (corrected); minimum daily, 0.46 ft^3/s, Feb 21, 1981, datum and gage then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 505 ft^3/s, May 25, gage height, 4.11 ft; minimum daily discharge, 1.3 ft^3/s, Nov 4, 5, 13, 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	e1.6	e9.0	e3.0	e6.0	2.6	3.4	46	186	5.9	3.6	25
2	6.9	e1.4	e3.0	e3.1	e4.5	2.4	3.2	42	151	4.0	5.2	22
3	7.3	e1.4	e3.0	e3.0	e3.5	2.3	3.7	72	144	3.6	8.0	6.8
4	7.8	e1.3	e5.0	e3.3	e3.3	2.1	3.7	99	136	3.1	8.2	8.0
5	9.0	e1.3	e3.5	e3.0	e3.0	2.4	2.9	137	138	5.8	6.0	4.9
6	7.9	e1.4	e3.0	e3.3	e2.9	2.2	4.0	128	131	3.7	3.8	4.2
7	12	e1.5	e4.0	e2.5	e2.8	2.2	3.4	143	120	3.5	3.5	2.8
8	13	e1.4	e4.0	e2.2	e2.7	2.3	3.1	122	111	3.3	2.6	4.1
9	8.3	e3.0	e3.0	e2.0	e2.7	6.5	3.2	103	110	3.5	3.7	3.6
10	9.6	e2.1	e3.5	e2.6	e2.6	9.4	9.5	67	69	13	3.8	3.9
11	7.1	e1.5	e4.5	e4.5	e13	3.2	4.2	64	44	53	4.3	2.7
12	9.4	e1.4	e3.5	e3.5	e8.0	2.9	3.6	49	33	25	2.6	4.7
13	7.3	e1.3	e2.5	e3.0	e9.0	2.3	3.7	34	e25	6.6	3.2	4.4
14	8.3	e1.3	e3.0	e2.5	e6.0	2.9	44	26	e24	3.9	4.4	5.0
15	18	e1.4	e4.0	e2.5	e6.4	2.5	35	23	e26	6.5	6.3	3.8
16	e4.5	e1.7	e3.0	e2.5	e3.0	2.3	16	23	e29	3.8	7.0	4.7
17	e3.5	e4.5	e4.0	e2.8	11	5.0	17	21	e20	4.2	6.3	5.2
18	e3.0	e6.0	e3.0	e3.2	9.4	2.4	36	21	e18	6.4	11	3.4
19	e2.8	e2.5	e2.5	e2.7	2.7	5.8	41	21	e20	5.2	22	5.7
20	e2.6	e2.0	e2.2	e2.5	2.2	11	30	24	e18	4.7	8.4	5.4
21	e2.5	e5.0	e3.0	e13	23	4.1	24	51	e13	3.8	5.6	11
22	e2.2	e6.0	e3.9	e5.0	11	2.7	26	106	6.8	4.6	3.3	19
23	e2.1	e2.0	e2.1	e4.5	3.7	2.4	41	200	5.2	2.7	7.0	73
24	e2.0	e2.1	e2.2	e3.5	6.2	2.4	56	259	4.9	3.9	5.0	16
25	e2.0	e2.2	e2.5	e7.0	3.5	2.3	25	305	4.8	4.1	4.8	10
26	e2.2	e2.3	e2.2	e12	2.7	2.3	31	334	4.8	6.9	6.0	9.0
27	e2.0	e2.4	e1.9	e7.0	2.6	2.3	34	249	4.3	4.7	10	7.8
28	e2.1	e2.3	e1.8	e6.0	9.6	6.4	44	281	4.6	3.3	9.0	7.0
29	e5.0	e2.2	e1.8	e5.0	2.7	3.8	82	314	4.5	3.6	7.3	5.9
30	e2.5	e2.1	e1.9	e4.0	---	11	45	284	5.3	3.6	33	5.9
31	e1.8	---	e2.5	e7.0	---	4.5	---	234	---	3.4	53	---
TOTAL	180.4	68.6	99.0	131.7	169.7	118.9	678.6	3882	1611.2	213.3	267.9	294.9
MEAN	5.82	2.29	3.19	4.25	5.85	3.84	22.6	125	53.7	6.88	8.64	9.83
MAX	18	6.0	9.0	13	23	11	82	334	186	53	53	73
MIN	1.8	1.3	1.8	2.0	2.2	2.1	2.9	21	4.3	2.7	2.6	2.7
AC-FT	358	136	196	261	337	236	1350	7700	3200	423	531	585

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 16020204 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 PacifiCorp.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above sea level, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--15 years, 26.9 ft^3/s, 19,490 acre-ft/yr.

COOPERATION.--Records collected by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 ft^3/s, Jul 1, 1954; no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	24	21	19	18	18	28	46	51	39	30	29
2	34	23	20	19	17	18	28	44	50	38	31	28
3	32	23	22	19	18	19	30	46	50	34	27	24
4	32	23	19	19	19	20	31	43	50	38	31	23
5	31	23	21	20	19	22	46	46	49	35	36	21
6	30	23	21	15	19	22	44	43	51	33	35	19
7	31	23	22	19	19	21	47	45	51	31	34	17
8	30	23	21	19	18	20	50	46	51	31	32	16
9	28	23	19	19	18	20	47	46	51	30	32	16
10	27	23	20	19	18	20	46	43	50	32	34	15
11	26	23	19	19	20	19	43	46	50	32	31	15
12	26	22	20	19	20	19	45	47	50	29	31	12
13	26	22	20	19	19	19	47	45	50	28	31	19
14	25	22	20	19	7.9	20	40	45	50	27	31	16
15	25	23	15	19	.30	21	32	45	50	27	30	16
16	24	23	20	19	.30	20	29	45	49	26	30	16
17	25	23	20	19	.31	21	35	45	50	27	31	16
18	25	22	20	21	.10	20	50	45	51	26	33	16
19	25	22	20	24	.10	21	47	45	51	26	33	16
20	25	23	20	22	.11	21	44	45	51	25	33	16
21	24	23	20	21	.11	20	46	44	51	22	32	16
22	24	23	19	21	.33	20	51	44	50	23	32	17
23	24	20	19	19	.12	22	53	46	49	23	34	21
24	24	17	19	19	.13	23	53	46	50	24	35	19
25	24	22	20	21	.34	23	53	47	50	32	32	19
26	24	23	20	20	.56	26	50	32	49	35	31	18
27	24	23	20	20	.57	31	47	38	46	34	31	17
28	23	22	20	16	9.4	38	47	47	43	32	28	17
29	23	21	20	15	19	32	47	47	41	31	25	17
30	23	22	19	17	---	31	47	46	40	29	17	17
31	23	---	19	19	---	29	---	49	---	29	31	---
TOTAL	821	672	615	595	281.68	696	1303	1387	1475	928	964	544
MEAN	26.5	22.4	19.8	19.2	9.71	22.5	43.4	44.7	49.2	29.9	31.1	18.1
MAX	34	24	22	24	20	38	53	49	51	39	36	29
MIN	23	17	15	15	.10	18	28	32	40	22	17	12
AC-FT	1630	1330	1220	1180	559	1380	2580	2750	2930	1840	1910	1080

CAL YR 1999 TOTAL 12423 MEAN 34.0 MAX 53 MIN 10 AC-FT 24640
WTR YR 2000 TOTAL 10281.68 MEAN 28.1 MAX 53 MIN .10 AC-FT 20390

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 October 22, 1952, at site 350 ft downstream; October 22, 1952 to September 30, 1966, at site 400 ft downstream at different datum; September 30, 1966 to October 1, 1989 at datum 10.0 ft lower.

REMARKS.--Records fair. Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area (see station 10170490 for records of combined flow of Jordan River and Surplus Canal). Several diversions for irrigation and waterfowl ponds below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,410 ft^3/s, Jun 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, 2,210 ft^3/s, May 26, gage height, 14.48 ft; minimum daily discharge, 101 ft^3/s, Sep 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	149	188	198	266	1250	848	611	851	219	154	343
2	221	144	162	213	254	1200	866	496	732	195	158	262
3	225	143	194	221	827	1180	868	449	746	193	183	197
4	223	142	176	221	1070	1190	885	491	698	177	235	176
5	229	140	153	228	1100	1210	888	571	697	188	202	157
6	230	137	155	218	1100	1250	893	609	658	176	189	141
7	241	139	210	211	1110	1240	886	695	609	171	194	140
8	236	143	200	213	1110	1220	871	649	583	172	178	144
9	225	148	178	214	1120	1250	928	586	604	184	188	142
10	232	144	205	257	1120	1250	938	567	505	259	196	136
11	216	146	202	269	1280	1240	941	629	436	294	188	142
12	208	144	195	277	1250	1230	966	422	359	240	171	140
13	205	145	227	237	1290	1240	938	400	219	205	160	133
14	208	141	234	235	1280	1240	1270	381	223	186	173	138
15	267	142	207	232	1310	1250	1140	360	230	211	174	129
16	310	140	200	230	1280	1170	990	313	230	191	203	127
17	187	151	198	239	1330	1100	888	300	211	190	188	125
18	162	180	203	239	1340	1060	897	445	203	177	267	122
19	153	153	201	213	1320	1100	914	308	225	169	381	101
20	149	156	206	238	1310	1100	813	276	216	167	179	101
21	151	203	228	339	1400	1030	732	303	198	157	191	150
22	151	191	212	270	1400	1100	732	368	177	163	177	237
23	147	142	202	253	1200	1100	837	515	164	154	147	1170
24	148	139	208	244	1240	987	865	740	173	153	167	296
25	150	139	191	300	1210	1030	737	1130	184	175	141	198
26	142	202	197	343	1180	1040	754	1670	187	171	144	172
27	141	224	202	265	1190	1040	743	1160	176	155	192	168
28	132	227	200	249	1260	1010	748	1040	177	142	184	153
29	172	178	196	248	1250	901	759	1150	176	153	185	143
30	150	122	196	242	---	895	595	1130	184	142	287	135
31	147	---	208	275	---	844	---	991	---	152	808	---
TOTAL	5982	4694	6134	7631	33397	34947	26130	19755	11031	5681	6584	5918
MEAN	193	156	198	246	1152	1127	871	637	368	183	212	197
MAX	310	227	234	343	1400	1250	1270	1670	851	294	808	1170
MIN	132	122	153	198	254	844	595	276	164	142	141	101
AC-FT	11870	9310	12170	15140	66240	69320	51830	39180	21880	11270	13060	11740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

MEAN	279	291	309	339	418	457	518	632	689	376	277	283
MAX	1473	1616	1740	1806	1804	1882	2749	3042	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	278865		167884			
ANNUAL MEAN	764		459		405	
HIGHEST ANNUAL MEAN					1968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	2140	May 30	1670	May 26	4250	Jun 1 1984
LOWEST DAILY MEAN	94	Sep 17	101	Sep 19	.00	Jan 21 1963
ANNUAL SEVEN-DAY MINIMUM	126	Sep 16	120	Sep 14	.00	Jan 21 1963
ANNUAL RUNOFF (AC-FT)	553100		333000		293500	
10 PERCENT EXCEEDS	1410		1170		1070	
50 PERCENT EXCEEDS	970		225		204	
90 PERCENT EXCEEDS	151		144		82	

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 mi^2 closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR UT-88-1: 1987 (combined flow).

GAGE.--Water-stage recorder. Datum of gage is 4,220.08 ft above sea level. Prior to July 1, 1976 at site 3,200 ft upstream at same datum.

REMARKS.--Records fair except for estimated daily discharges, 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 Jun 26, 1952; no flow, May 10, 24, 1952, May 21-22, 1962, Sep 21, 1963, May 14 to Jun 1, 1964, and Sep 6-7, 1965 entire flow diverted to Surplus Canal. Maximum daily combined discharge (Jordan River and Surplus Canal), 4,510 ft^3/s, Jun 1, 1984; minimum daily, 89 ft^3/s, Jun 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 291 ft^3/s, Sep 23, gage height, 3.73 ft; minimum daily discharge, 6.7 ft^3/s, Feb 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	136	143	133	9.5	10	115	126	162	169	148	115
2	145	135	137	134	9.8	54	120	118	158	167	150	146
3	145	135	141	134	9.1	100	121	138	157	168	154	148
4	146	135	137	134	9.0	100	121	139	155	167	159	147
5	146	132	135	135	9.3	101	121	141	156	168	157	147
6	147	131	135	134	9.8	101	122	142	156	166	156	146
7	149	e131	142	133	10	101	127	145	155	165	158	146
8	148	e131	143	133	10	102	130	145	154	164	151	146
9	147	e131	141	133	6.7	104	132	143	159	165	147	144
10	148	e132	142	138	11	105	132	142	159	177	149	143
11	147	e133	138	139	35	102	132	140	156	177	148	144
12	146	e133	137	139	33	102	133	127	153	171	147	144
13	146	e132	141	135	27	102	133	137	145	166	147	143
14	146	e131	135	134	25	102	116	137	147	162	149	143
15	148	e131	128	134	29	103	97	137	148	163	149	143
16	152	e131	131	133	15	101	120	136	150	160	153	143
17	140	e131	136	101	20	101	119	135	150	159	152	142
18	138	e131	136	82	19	100	119	148	151	156	159	143
19	139	e131	135	e71	16	103	120	135	156	154	139	141
20	139	e130	135	e48	15	102	119	134	158	152	133	141
21	139	e130	137	e43	24	101	122	135	156	150	164	145
22	139	e121	135	e37	21	108	122	136	155	149	163	150
23	137	e111	134	e32	50	108	125	141	155	145	159	141
24	136	e102	134	e27	76	107	129	149	157	142	159	108
25	135	e92	133	e23	80	108	125	112	159	145	e155	150
26	135	e81	133	e15	79	107	126	76	160	146	154	150
27	135	e97	133	e11	78	107	123	128	160	144	158	149
28	135	e115	133	8.9	47	109	125	166	162	143	158	148
29	143	e131	134	7.8	11	111	128	170	163	146	158	147
30	137	130	133	7.4	---	113	125	169	167	146	141	149
31	136	---	134	9.5	---	109	---	166	---	147	85	---
TOTAL	4415	3753	4221	2678.6	794.2	3084	3699	4293	4679	4899	4659	4292
MEAN	142	125	136	86.4	27.4	99.5	123	138	156	158	150	143
MAX	152	136	143	139	80	113	133	170	167	177	164	150
MIN	135	81	128	7.4	6.7	10	97	76	145	142	85	108
AC-FT	8760	7440	8370	5310	1580	6120	7340	8520	9280	9720	9240	8510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

MEAN	158	146	145	146	149	137	121	113	143	156	153	161
MAX	253	223	230	292	274	258	251	210	258	253	242	245
(WY)	1985	1986	1986	1985	1985	1952	1952	1989	1991	1984	1983	1985
MIN	78.7	64.9	75.2	54.2	27.4	58.3	31.3	25.5	56.0	68.3	68.3	63.5
(WY)	1964	1964	1993	1993	2000	1962	1986	1964	1995	1961	1963	1963

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	51630		45466.8			
ANNUAL MEAN	141		124		144	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	188	Apr 27	177	Jul 10	337	Jun 25 1952
LOWEST DAILY MEAN	33	May 18	6.7	Feb 9	.00	May 10 1952
ANNUAL SEVEN-DAY MINIMUM	46	May 18	8.9	Jan 28	.00	May 14 1964
ANNUAL RUNOFF (AC-FT)	102400		90180		104300	
10 PERCENT EXCEEDS	170		158		195	
50 PERCENT EXCEEDS	147		136		144	
90 PERCENT EXCEEDS	84		48		93	

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 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	285	331	331	276	1260	963	737	1010	388	302	458
2	366	279	299	347	264	1250	986	614	890	362	308	408
3	370	278	335	355	836	1280	989	587	903	361	337	345
4	369	277	313	355	1080	1290	1010	630	853	344	394	323
5	375	272	288	363	1110	1310	1010	712	853	356	359	304
6	377	268	290	352	1110	1350	1020	751	814	342	345	287
7	390	270	352	344	1120	1340	1010	840	764	336	352	286
8	384	274	343	346	1120	1320	1000	794	737	336	329	290
9	372	279	319	347	1130	1350	1060	729	763	349	335	286
10	380	276	347	395	1130	1360	1070	709	664	436	345	279
11	363	279	340	408	1320	1340	1070	769	592	471	336	286
12	354	277	332	416	1280	1330	1100	549	512	411	318	284
13	351	277	368	372	1320	1340	1070	537	364	371	307	276
14	354	272	369	369	1300	1340	1390	518	370	348	322	281
15	415	273	335	366	1340	1350	1240	497	378	374	323	272
16	462	271	331	363	1300	1270	1110	449	380	351	356	270
17	327	282	334	340	1350	1200	1010	435	361	349	340	267
18	300	311	339	321	1360	1160	1020	593	354	333	426	265
19	292	284	336	284	1340	1200	1030	443	381	323	520	242
20	288	286	341	286	1320	1200	932	410	374	319	312	242
21	290	333	365	382	1420	1130	854	438	354	307	355	295
22	290	312	347	307	1420	1210	854	504	332	312	340	387
23	284	253	336	285	1250	1210	962	656	319	299	306	1310
24	284	241	342	271	1320	1090	994	889	330	295	326	404
25	285	231	324	323	1290	1140	862	1240	343	320	296	348
26	277	283	330	358	1260	1150	880	1750	347	317	298	322
27	276	321	335	276	1270	1150	866	1290	336	299	350	317
28	267	342	333	258	1310	1120	873	1210	339	285	342	301
29	315	309	330	256	1260	1010	887	1320	339	299	343	290
30	287	252	329	249	---	1010	720	1300	351	288	428	284
31	283	---	342	284	---	953	---	1160	---	299	893	---
TOTAL	10397	8447	10355	10309	34206	38013	29842	24060	15707	10580	11243	10209
MEAN	335	282	334	333	1180	1226	995	776	524	341	363	340
MAX	462	342	369	416	1420	1360	1390	1750	1010	471	893	1310
MIN	267	231	288	249	264	953	720	410	319	285	296	242
AC-FT	20620	16750	20540	20450	67850	75400	59190	47720	31150	20990	22300	20250

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 14	1430	6.1	0.89				

Minimum discharge, 0.60 ft^3/s, Aug 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.6	2.5	2.0	2.3	2.8	4.3	3.7	2.5	1.4	.98	1.0
2	2.5	2.6	2.4	2.1	2.2	2.8	4.3	3.5	2.4	1.4	.98	.98
3	2.5	2.6	2.4	2.0	2.2	2.9	4.4	3.6	2.4	1.3	.97	.94
4	2.5	2.6	2.6	2.1	2.1	2.9	4.7	3.5	2.3	1.3	.99	.88
5	2.5	2.6	2.3	2.1	2.1	3.1	5.3	3.4	2.2	1.3	.99	.96
6	2.5	2.6	2.4	e2.0	2.1	3.0	5.5	3.4	2.2	1.3	.95	1.1
7	2.5	2.6	2.4	2.0	2.1	2.9	5.4	3.7	2.1	1.3	.93	1.2
8	2.5	2.6	2.3	2.0	2.1	2.9	5.2	3.5	2.0	1.3	.93	1.1
9	2.5	2.6	2.3	2.1	2.2	2.9	5.2	3.4	2.1	1.3	.93	1.1
10	2.5	2.6	2.3	2.1	2.2	3.0	5.1	3.4	2.1	1.4	.91	1.1
11	2.5	2.6	2.3	2.1	2.4	3.0	5.0	3.6	2.0	1.3	.90	1.1
12	2.5	2.5	2.3	2.1	2.5	2.9	4.9	3.6	1.9	1.3	.89	1.1
13	2.5	2.5	2.3	2.0	2.4	3.0	5.0	3.4	1.9	1.2	.89	1.0
14	2.5	2.5	2.4	2.0	2.6	3.0	5.7	3.3	1.9	1.2	.87	.98
15	2.5	2.5	e2.2	2.0	2.7	3.0	5.6	3.2	1.8	1.2	.90	.93
16	2.6	2.5	2.3	2.2	2.7	3.0	5.4	3.1	1.8	1.2	.96	.92
17	2.6	2.5	2.4	2.3	2.6	3.1	5.1	3.1	1.8	1.2	.93	.88
18	2.5	2.6	2.3	2.5	2.5	3.1	5.0	3.2	1.8	1.2	.91	.88
19	2.5	2.5	2.3	2.6	2.5	3.2	4.8	3.1	1.7	1.2	.88	.88
20	2.6	2.5	2.3	2.4	2.5	3.1	4.6	3.0	1.7	1.1	.82	.87
21	2.6	2.5	2.3	2.6	2.7	3.1	e4.8	2.9	1.6	1.1	.77	.98
22	2.6	2.5	2.3	2.4	3.0	3.1	4.5	2.8	1.6	1.1	.78	1.2
23	2.6	2.4	2.4	2.3	2.9	3.2	4.5	2.7	1.6	1.1	.82	1.7
24	2.6	2.5	2.1	2.3	2.7	3.3	e4.8	2.8	1.5	1.1	e.90	1.3
25	2.6	2.4	2.1	2.9	2.8	3.4	e4.3	2.9	1.5	1.1	e.84	1.2
26	2.6	2.5	2.1	2.7	2.9	3.7	4.2	3.0	1.5	1.1	e.79	1.1
27	2.6	2.5	2.1	2.5	2.7	4.1	e4.4	2.7	1.5	1.0	e.74	1.1
28	2.6	2.5	2.1	2.4	2.7	4.6	e4.2	2.6	1.4	1.0	e.68	1.1
29	2.6	2.5	2.1	2.4	2.7	4.7	3.9	2.6	1.4	1.0	.69	1.1
30	2.6	2.5	2.1	2.1	---	4.6	3.9	2.5	1.5	1.0	.96	1.1
31	2.6	---	2.1	2.3	---	4.4	---	2.5	---	.99	1.3	---
TOTAL	78.9	76.0	70.8	69.6	72.1	101.8	144.0	97.7	55.7	36.99	27.78	31.78
MEAN	2.55	2.53	2.28	2.25	2.49	3.28	4.80	3.15	1.86	1.19	.90	1.06
MAX	2.6	2.6	2.6	2.9	3.0	4.7	5.7	3.7	2.5	1.4	1.3	1.7
MIN	2.5	2.4	2.1	2.0	2.1	2.8	3.9	2.5	1.4	.99	.68	.87
AC-FT	156	151	140	138	143	202	286	194	110	73	55	63

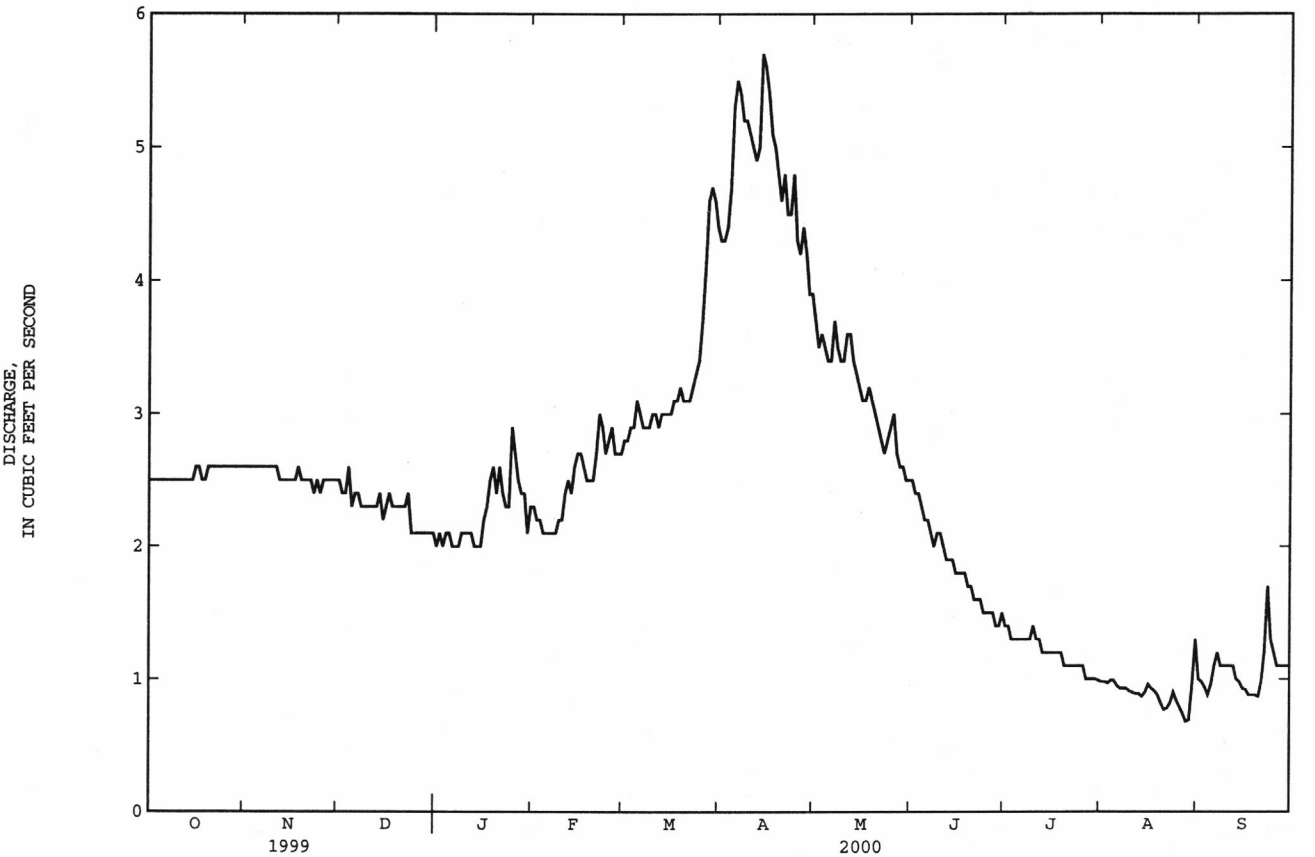
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	2.02	2.07	1.96	1.99	2.42	4.64	9.34	13.3	6.98	3.47	2.24	1.90
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	1954.6		863.15			
ANNUAL MEAN	5.36		2.36		4.37	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	22	May 3	5.7	Apr 14	95	May 28 1983
LOWEST DAILY MEAN	2.1	Dec 24	.68	Aug 28	.38	Aug 9 1990
ANNUAL SEVEN-DAY MINIMUM	2.1	Dec 24	.78	Aug 23	.39	Sep 10 1990
ANNUAL RUNOFF (AC-FT)	3880		1710		3160	
10 PERCENT EXCEEDS	13		3.7		10	
50 PERCENT EXCEEDS	2.9		2.4		2.5	
90 PERCENT EXCEEDS	2.4		.98		1.1	

e Estimated

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(Hydrologic bench mark station)



10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ 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 daily, 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)
May 24	2030	*8.0	*1.21				

Minimum daily discharge, 2.4 ft^3/s, Sep 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.5	3.2	3.5	2.9	3.7	3.7	5.3	3.4	3.7	4.6	3.3
2	3.5	3.5	3.2	3.4	3.0	3.7	3.6	5.0	3.3	3.6	4.8	3.1
3	3.5	3.5	3.0	3.4	3.2	e3.6	3.5	4.8	3.3	3.4	4.7	3.1
4	3.5	3.5	2.9	3.5	3.2	e3.6	3.5	4.8	3.1	3.2	4.8	3.1
5	3.5	3.5	2.9	3.5	3.2	e3.6	3.5	5.0	3.1	3.2	4.8	2.9
6	3.5	3.5	2.9	3.2	3.2	e3.6	3.5	5.1	3.0	3.3	5.0	2.9
7	3.9	3.5	2.9	3.2	3.1	e3.6	3.5	5.1	3.0	3.3	4.1	2.8
8	3.6	3.5	2.9	3.2	3.2	3.7	3.5	5.3	3.0	3.5	4.2	2.9
9	3.5	3.5	2.9	3.2	3.2	3.6	3.5	4.9	3.2	3.4	4.3	3.0
10	3.5	3.5	2.9	3.2	3.3	3.5	3.5	4.7	3.1	3.4	4.2	2.8
11	3.5	3.5	2.9	3.2	3.5	3.5	3.7	4.8	3.1	3.4	4.2	2.8
12	3.5	3.5	2.9	3.2	3.3	3.5	3.7	4.6	3.1	3.3	4.2	2.7
13	3.5	3.5	3.0	3.1	3.2	3.5	3.7	4.3	2.9	3.3	4.1	2.6
14	3.5	3.5	3.2	2.9	3.7	3.5	4.8	4.0	2.9	3.6	4.4	2.6
15	3.5	3.5	3.2	2.9	3.7	3.5	4.9	3.9	3.1	3.9	4.7	2.6
16	3.5	3.5	3.2	2.9	3.5	3.5	4.7	3.7	3.1	3.9	5.0	2.6
17	3.5	3.5	3.2	2.9	3.5	3.5	4.5	4.3	3.1	3.9	4.7	2.5
18	3.5	3.5	3.2	3.5	3.5	3.5	4.7	4.3	3.3	4.1	4.5	2.4
19	3.5	3.5	3.2	3.5	e3.5	3.5	4.6	3.9	3.5	4.1	4.1	2.4
20	3.5	3.5	3.2	3.5	3.5	3.5	4.4	3.7	3.4	4.1	3.8	2.6
21	3.5	3.5	3.2	3.3	3.9	3.5	4.4	3.7	3.4	3.7	3.8	2.7
22	3.5	3.5	3.2	3.5	3.9	3.5	4.6	3.7	3.2	3.5	3.8	2.9
23	3.5	3.3	3.2	3.2	3.6	3.5	5.0	3.7	3.2	3.6	3.4	3.5
24	3.5	3.2	3.5	3.2	3.7	3.7	4.9	4.2	3.3	3.9	3.2	2.9
25	3.5	3.2	3.5	3.5	3.7	3.7	4.7	3.9	3.7	3.9	3.2	2.9
26	3.5	3.2	3.5	3.6	3.7	3.7	4.9	3.9	3.9	3.8	3.4	2.9
27	3.5	3.2	3.5	3.3	3.7	3.7	5.3	3.6	4.0	3.8	3.3	2.7
28	3.5	3.2	3.5	3.2	3.7	3.7	5.4	3.6	3.6	3.9	3.3	2.7
29	3.5	3.2	3.5	e3.2	3.7	3.7	5.8	3.6	3.6	4.2	3.3	2.7
30	3.5	3.2	3.5	e3.1	---	3.7	5.7	3.5	3.7	4.2	3.4	2.7
31	3.5	---	3.5	2.9	---	3.7	---	3.3	---	4.4	3.4	---
TOTAL	109.0	102.7	98.5	100.9	100.0	111.3	129.7	132.2	98.6	114.5	126.7	84.3
MEAN	3.52	3.42	3.18	3.25	3.45	3.59	4.32	4.26	3.29	3.69	4.09	2.81
MAX	3.9	3.5	3.5	3.6	3.9	3.7	5.8	5.3	4.0	4.4	5.0	3.5
MIN	3.5	3.2	2.9	2.9	2.9	3.5	3.5	3.3	2.9	3.2	3.2	2.4
AC-FT	216	204	195	200	198	221	257	262	196	227	251	167

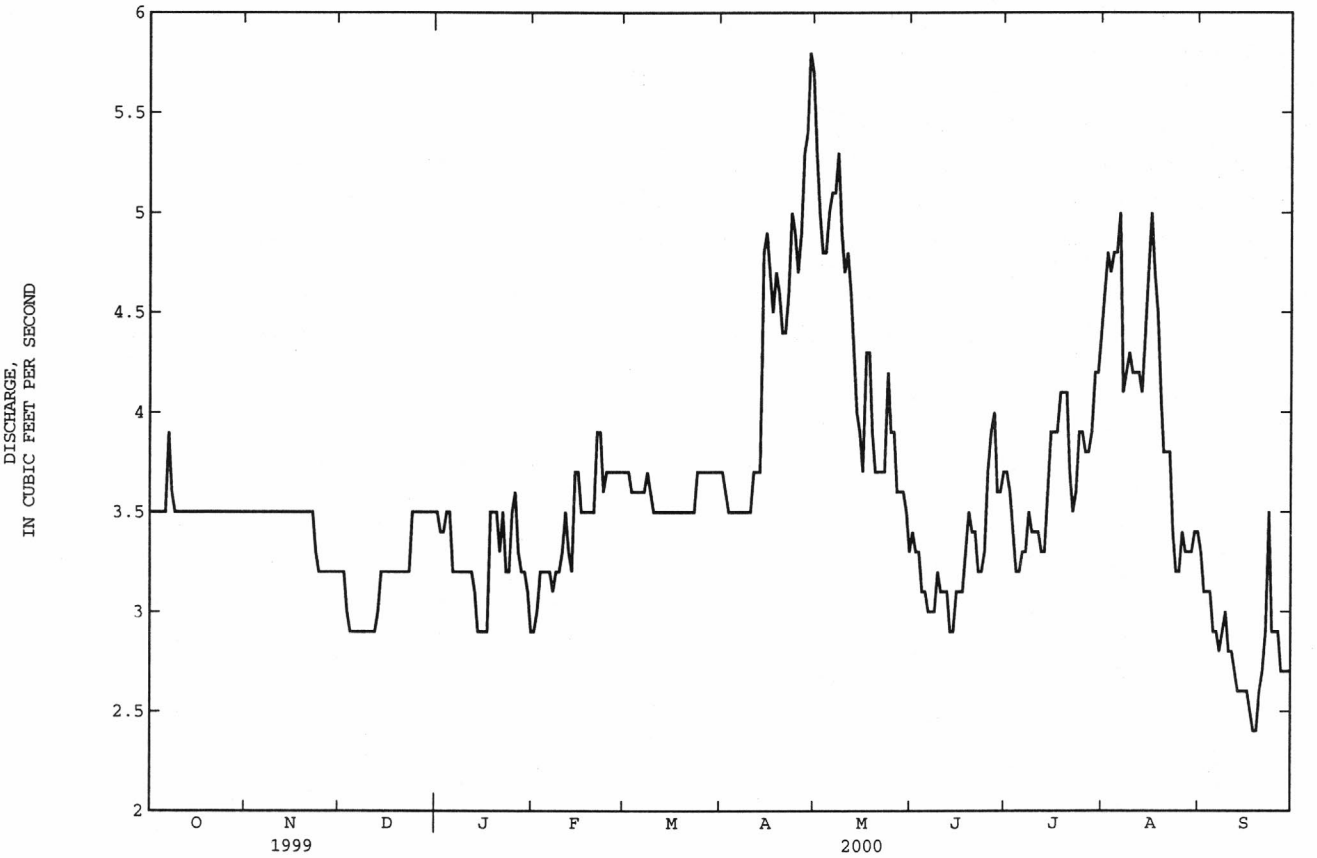
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

MEAN	3.14	3.07	2.95	2.92	2.99	3.46	5.79	6.84	4.35	3.44	3.15	3.09
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	1549.3		1308.4			
ANNUAL MEAN	4.24		3.57		3.77	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	8.6	May 3	5.8	Apr 29	70	Apr 24 1983
LOWEST DAILY MEAN	2.9	Jul 24	2.4	Sep 18	.84	Dec 18 1967
ANNUAL SEVEN-DAY MINIMUM	2.9	Dec 4	2.5	Sep 13	.93	Jul 21 1961
ANNUAL RUNOFF (AC-FT)	3070		2600		2730	
10 PERCENT EXCEEDS	5.4		4.5		7.3	
50 PERCENT EXCEEDS	3.8		3.5		2.6	
90 PERCENT EXCEEDS	3.2		2.9		1.5	

e Estimated

10172700 VERNON CREEK NEAR VERNON, UT--Continued



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. 5 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft^3/s, Jun 6, 1995, gage height, 2.26 ft; minimum daily discharge, 0.74 ft^3/s, Jan 5, 1993.

EXTREMES OUTSIDE PERIOD OF RECORD.--Peak of Aug 13, 1965, 87.0 ft^3/s, from crest stage gage located upstream and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12 ft^3/s, Apr 27, May 24, gage height, 1.57 ft; minimum daily discharge, 1.8 ft^3/s, Mar 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

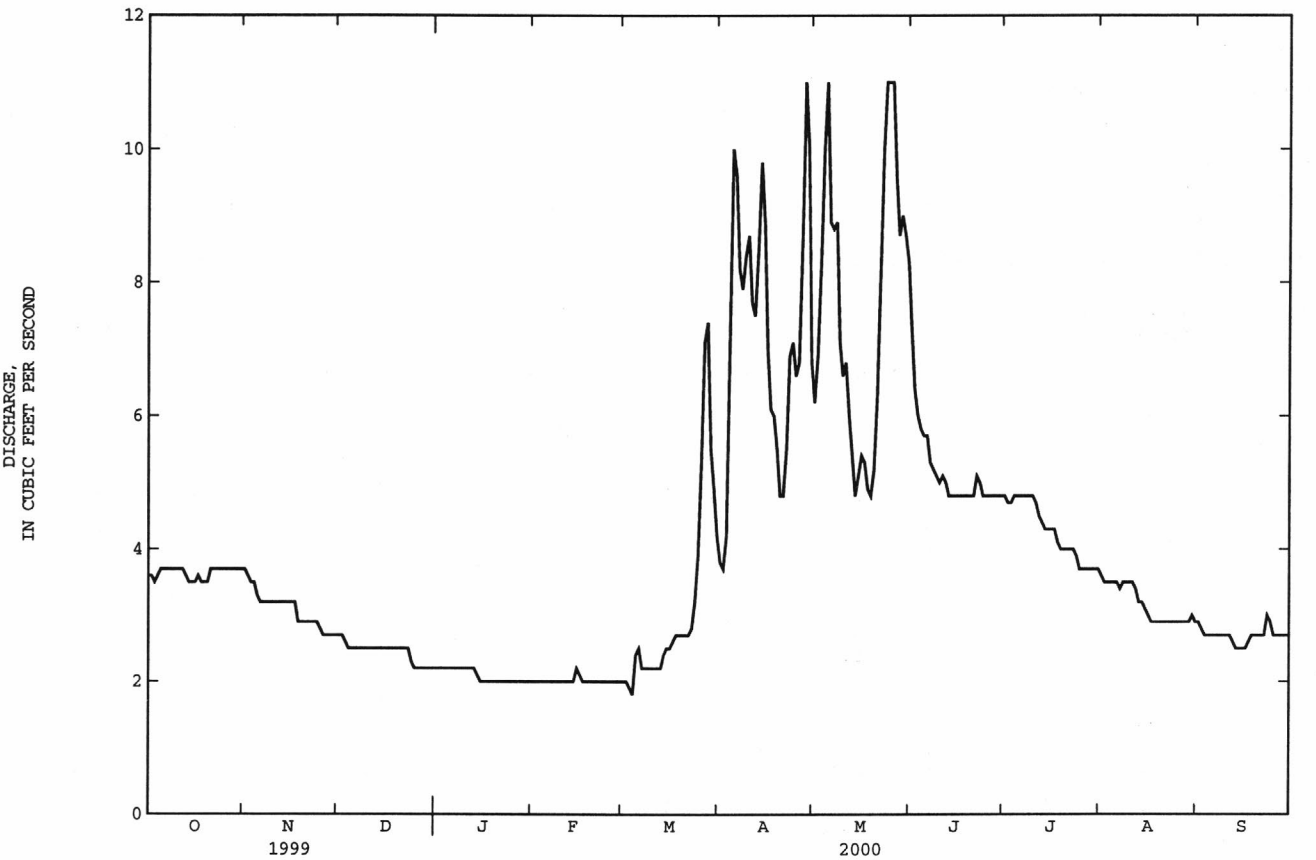
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.7	2.7	2.2	2.0	2.0	3.8	6.2	7.3	4.8	3.6	2.9
2	3.6	3.6	2.7	2.2	2.0	2.0	3.7	6.9	6.4	4.7	3.5	2.8
3	3.5	3.5	2.6	2.2	2.0	1.9	4.2	8.3	6.0	4.7	3.5	2.7
4	3.6	3.5	2.5	2.2	2.0	1.8	7.1	10	5.8	4.8	3.5	2.7
5	3.7	3.3	2.5	2.2	2.0	2.4	10	11	5.7	4.8	3.5	2.7
6	3.7	3.2	2.5	2.2	2.0	2.5	9.6	8.9	5.7	4.8	3.5	2.7
7	3.7	3.2	2.5	2.2	2.0	2.2	8.2	8.8	5.3	4.8	3.4	2.7
8	3.7	3.2	2.5	2.2	2.0	2.2	7.9	8.9	5.2	4.8	3.5	2.7
9	3.7	3.2	2.5	2.2	2.0	2.2	8.4	7.1	5.1	4.8	3.5	2.7
10	3.7	3.2	2.5	2.2	2.0	2.2	8.7	6.6	5.0	4.8	3.5	2.7
11	3.7	3.2	2.5	2.2	2.0	2.2	7.7	6.8	5.1	4.7	3.5	2.7
12	3.7	3.2	2.5	2.2	2.0	2.2	7.5	6.0	5.0	4.5	3.4	2.6
13	3.6	3.2	2.5	2.2	2.0	2.2	8.5	5.4	4.8	4.4	3.2	2.5
14	3.5	3.2	2.5	2.1	2.0	2.4	9.8	4.8	4.8	4.3	3.2	2.5
15	3.5	3.2	2.5	2.0	2.2	2.5	8.9	5.1	4.8	4.3	3.1	2.5
16	3.5	3.2	2.5	2.0	2.1	2.5	7.0	5.4	4.8	4.3	3.0	2.5
17	3.6	3.2	2.5	2.0	2.0	2.6	6.1	5.3	4.8	4.3	2.9	2.6
18	3.5	2.9	2.5	2.0	2.0	2.7	6.0	4.9	4.8	4.1	2.9	2.7
19	3.5	2.9	2.5	2.0	2.0	2.7	5.5	4.8	4.8	4.0	2.9	2.7
20	3.5	2.9	2.5	2.0	2.0	2.7	4.8	5.2	4.8	4.0	2.9	2.7
21	3.7	2.9	2.5	2.0	2.0	2.7	4.8	6.3	4.8	4.0	2.9	2.7
22	3.7	2.9	2.5	2.0	2.0	2.7	5.5	8.2	5.1	4.0	2.9	2.7
23	3.7	2.9	2.5	2.0	2.0	2.8	6.9	10	5.0	4.0	2.9	3.0
24	3.7	2.9	2.3	2.0	2.0	3.2	7.1	11	4.8	3.9	2.9	2.9
25	3.7	2.8	2.2	2.0	2.0	3.9	6.6	11	4.8	3.7	2.9	2.7
26	3.7	2.7	2.2	2.0	2.0	5.3	6.8	11	4.8	3.7	2.9	2.7
27	3.7	2.7	2.2	2.0	2.0	7.1	8.7	9.6	4.8	3.7	2.9	2.7
28	3.7	2.7	2.2	2.0	2.0	7.4	11	8.7	4.8	3.7	2.9	2.7
29	3.7	2.7	2.2	2.0	2.0	5.5	10	9.0	4.8	3.7	2.9	2.7
30	3.7	2.7	2.2	2.0	---	4.9	6.8	8.7	4.8	3.7	3.0	2.7
31	3.7	---	2.2	2.0	---	4.2	---	8.3	---	3.7	2.9	---
TOTAL	112.8	92.6	75.7	64.7	58.3	95.8	217.6	238.2	154.5	132.5	98.0	80.8
MEAN	3.64	3.09	2.44	2.09	2.01	3.09	7.25	7.68	5.15	4.27	3.16	2.69
MAX	3.7	3.7	2.7	2.2	2.2	7.4	11	11	7.3	4.8	3.6	3.0
MIN	3.5	2.7	2.2	2.0	2.0	1.8	3.7	4.8	4.8	3.7	2.9	2.5
AC-FT	224	184	150	128	116	190	432	472	306	263	194	160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2000, BY WATER YEAR (WY)

MEAN	2.93	2.43	2.17	1.96	2.08	3.71	6.13	10.9	10.9	7.13	5.01	3.66
MAX	6.25	4.78	4.03	3.32	3.65	7.47	11.6	21.3	27.7	22.4	13.9	7.97
(WY)	1999	1999	1985	1985	1986	1986	1985	1998	1998	1998	1998	1998
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1985 - 2000	
ANNUAL TOTAL	2158.6		1421.5			
ANNUAL MEAN	5.91		3.88		4.84	
HIGHEST ANNUAL MEAN					10.5	1998
LOWEST ANNUAL MEAN					1.51	1990
HIGHEST DAILY MEAN	22	May 27	11	Apr 28	44	Jun 6 1995
LOWEST DAILY MEAN	2.2	Dec 25	1.8	Mar 4	.74	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	2.2	Dec 25	2.0	Feb 27	.78	Dec 31 1992
ANNUAL RUNOFF (AC-FT)	4280		2820		3510	
10 PERCENT EXCEEDS	13		7.0		11	
50 PERCENT EXCEEDS	3.7		3.2		3.1	
90 PERCENT EXCEEDS	2.6		2.0		1.1	

10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT--Continued



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, 118 ft^3/s, July 24, 1998, gage height, 2.45 ft, from rating extended above 75 ft^3/s by slope-conveyance methods; 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 29	1530	21	1.51				

Minimum daily discharge, 2.9 ft^3/s, several days in Dec, Jan, Mar and Aug.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.6	3.2	3.2	3.2	3.6	4.0	7.6	12	5.5	3.2	3.3
2	3.8	3.6	3.2	3.2	3.2	3.6	4.0	8.1	12	5.5	3.2	3.2
3	3.7	3.6	3.1	3.2	3.2	3.2	4.0	9.2	12	5.4	3.2	3.2
4	3.7	3.6	2.9	3.2	3.2	2.9	4.0	10	11	5.2	3.3	3.2
5	3.7	3.6	2.9	3.2	3.2	2.9	4.5	11	9.9	5.0	3.2	3.2
6	3.7	3.6	2.9	3.2	3.2	2.9	5.6	10	9.1	5.0	3.2	3.2
7	3.7	3.6	3.0	3.2	3.2	2.9	6.2	12	9.1	4.8	3.2	3.2
8	3.6	3.6	3.2	3.2	3.2	2.9	6.6	12	9.1	4.6	3.2	3.2
9	3.6	3.6	2.9	3.2	3.2	2.9	7.2	9.9	9.1	4.5	3.2	3.2
10	3.6	3.6	2.9	3.2	3.2	2.9	7.2	9.9	8.8	4.5	3.2	3.2
11	4.0	3.6	2.9	3.2	3.2	2.9	7.2	8.2	8.1	4.3	3.2	3.2
12	4.0	3.6	2.9	3.2	3.2	2.9	7.2	7.2	7.8	4.0	3.2	3.2
13	4.0	3.6	3.1	3.2	3.2	2.9	7.2	6.7	7.8	4.0	3.2	3.2
14	4.0	3.6	3.2	3.1	3.3	2.9	7.2	6.4	7.8	e3.8	3.2	3.2
15	4.0	3.6	3.2	2.9	3.2	2.9	6.6	6.2	7.8	e3.7	3.2	3.2
16	4.0	3.6	3.2	2.9	3.2	2.9	6.2	6.2	7.8	e3.6	3.2	3.2
17	4.0	3.6	3.2	2.9	3.2	2.9	6.4	6.3	7.4	e3.6	3.2	3.2
18	4.0	3.6	3.2	3.1	3.2	2.9	6.2	7.2	6.5	3.6	3.2	3.2
19	4.0	3.6	3.2	3.2	3.2	3.0	6.2	7.3	6.2	3.6	3.2	3.2
20	4.0	3.6	3.2	3.2	3.4	3.2	5.9	7.2	6.2	3.6	3.2	3.2
21	4.0	3.6	3.2	3.2	3.7	3.2	5.5	6.7	6.2	3.4	3.2	3.2
22	4.0	3.6	3.2	3.2	3.6	3.2	5.1	7.1	5.9	3.4	3.2	3.3
23	3.9	3.6	3.2	3.2	3.6	3.2	5.5	8.7	5.7	3.6	3.2	3.3
24	3.6	3.6	3.2	3.0	3.6	3.2	5.5	11	6.2	3.6	3.1	3.2
25	3.6	3.6	3.2	3.0	3.6	3.2	5.3	16	6.2	3.6	2.9	3.2
26	3.6	3.4	3.2	3.0	3.6	3.2	5.1	17	6.2	3.6	2.9	3.2
27	3.6	3.2	3.2	3.2	3.6	3.6	6.0	13	6.2	3.6	2.9	3.2
28	3.6	3.2	3.2	3.2	3.6	3.6	6.6	16	5.9	3.6	2.9	3.2
29	3.6	3.2	3.2	3.3	3.6	3.6	6.2	19	5.5	3.4	2.9	3.2
30	3.6	3.2	3.2	3.6	---	3.9	7.2	16	5.5	3.4	3.0	3.2
31	3.6	---	3.2	3.4	---	4.0	---	13	---	3.2	3.2	---
TOTAL	117.6	106.2	96.7	98.2	96.8	98.0	177.6	312.1	235.0	126.2	97.5	96.3
MEAN	3.79	3.54	3.12	3.17	3.34	3.16	5.92	10.1	7.83	4.07	3.15	3.21
MAX	4.0	3.6	3.2	3.6	3.7	4.0	7.2	19	12	5.5	3.3	3.3
MIN	3.6	3.2	2.9	2.9	3.2	2.9	4.0	6.2	5.5	3.2	2.9	3.2
AC-FT	233	211	192	195	192	194	352	619	466	250	193	191

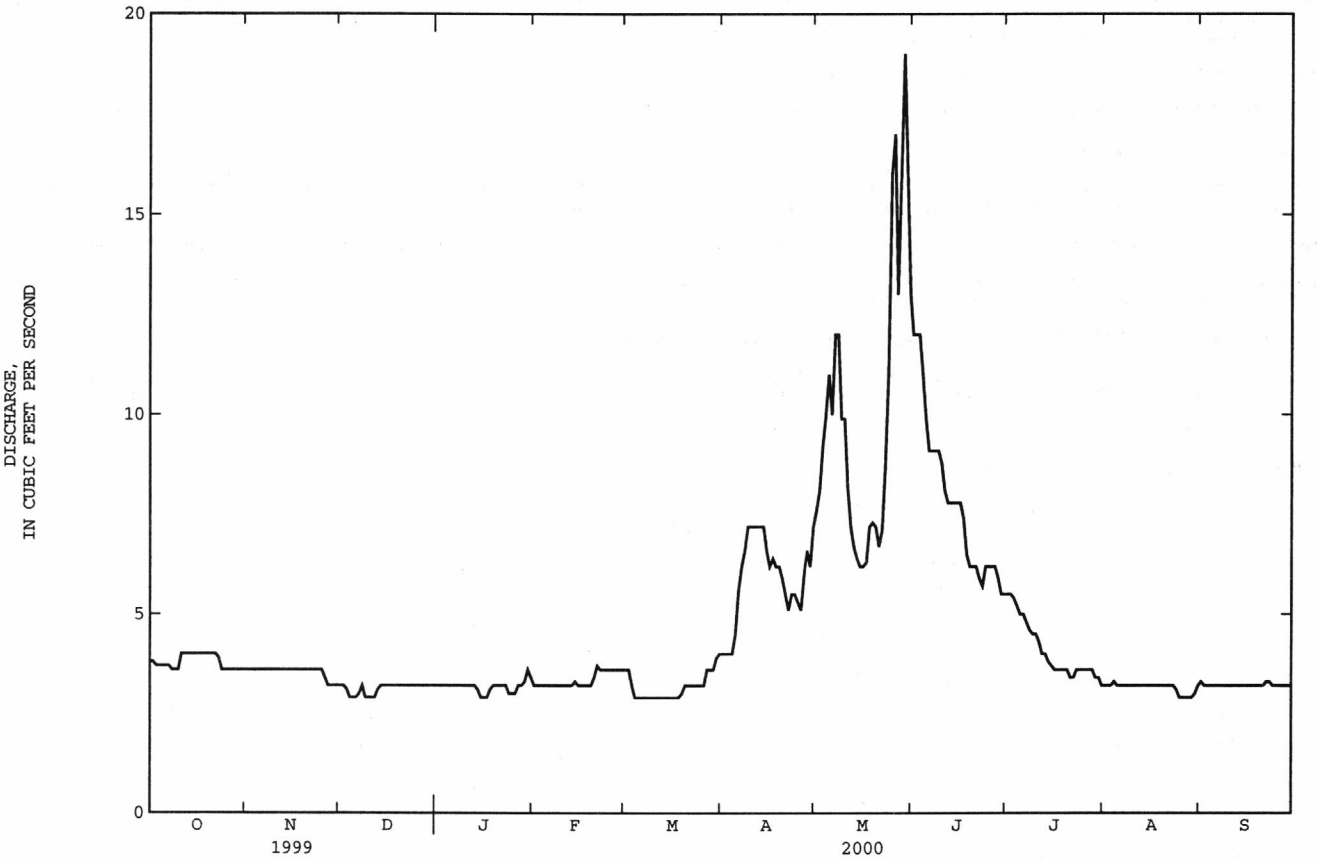
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	3.72	3.44	3.07	2.99	2.98	3.71	6.47	16.3	19.9	9.94	5.32	4.21
MAX	7.59	6.57	5.79	5.61	5.84	7.13	12.0	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	2752.7		1658.2			
ANNUAL MEAN	7.54		4.53		6.85	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	40	Jun 16	19	May 29	84	Jun 1 1984
LOWEST DAILY MEAN	2.9	Dec 4	2.9	Dec 4	1.4	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	3.0	Dec 4	2.9	Mar 4	1.5	Dec 24 1990
ANNUAL RUNOFF (AC-FT)	5460		3290		4960	
10 PERCENT EXCEEDS	22		7.5		16	
50 PERCENT EXCEEDS	4.1		3.6		4.0	
90 PERCENT EXCEEDS	3.5		3.1		2.3	

e Estimated

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT--Continued



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.

REVISED RECORDS.--WDR UT-99-1: 1998, daily values.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above sea level, from topographic map. Prior to August 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records fair 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, 47 ft^3/s, May 24, gage height, 2.36 ft; minimum daily discharge, 0.84 ft^3/s, Sep 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.9	1.5	1.4	1.3	1.7	3.6	11	17	5.3	2.0	2.1
2	2.1	1.9	1.3	1.3	1.3	1.7	4.3	13	15	4.8	2.1	1.6
3	2.0	1.9	1.7	2.3	1.3	1.8	4.4	15	e14	4.6	2.0	1.4
4	2.0	1.9	1.6	1.5	1.2	2.1	4.9	27	e14	4.4	2.1	1.2
5	1.9	1.9	1.6	1.4	1.2	2.5	4.9	25	e13	4.2	2.1	1.2
6	2.0	1.9	1.6	1.4	1.3	2.2	4.7	19	e12	4.1	2.0	1.2
7	2.0	1.9	1.6	1.4	1.3	2.1	4.6	17	e13	3.8	2.0	1.2
8	2.0	1.9	1.5	1.4	1.3	2.0	4.6	14	e12	3.6	1.8	1.2
9	2.0	2.0	1.6	1.4	1.4	1.9	4.5	12	e12	3.6	1.6	1.1
10	1.9	2.0	1.6	1.4	1.5	1.9	4.4	11	e12	3.9	1.5	1.1
11	1.9	1.9	1.6	1.2	1.4	1.8	4.4	10	11	3.7	1.4	1.1
12	1.8	1.9	e1.6	1.2	1.5	1.9	4.4	9.6	9.7	3.4	1.3	1.1
13	1.9	1.9	e1.6	1.2	1.3	2.0	4.9	8.8	8.7	3.3	1.3	1.0
14	1.9	1.8	e1.8	1.2	1.7	2.2	5.3	8.3	8.2	3.2	1.3	.94
15	1.7	1.8	e1.8	1.3	1.5	2.2	4.8	8.4	8.7	3.1	1.3	.92
16	1.9	1.9	e1.5	1.5	1.5	2.0	4.5	8.6	9.8	3.2	1.3	.84
17	2.0	1.9	e1.5	1.4	1.4	2.2	4.6	9.1	9.6	3.3	1.3	.92
18	2.0	1.8	1.5	1.9	1.5	2.2	4.6	9.5	9.2	3.5	1.3	.99
19	2.0	1.9	1.5	1.5	1.6	2.1	4.7	10	8.8	3.4	1.2	1.0
20	2.0	2.0	1.5	1.3	1.5	4.4	4.6	13	8.1	3.2	1.2	1.1
21	2.0	2.0	1.5	1.3	1.6	2.2	4.7	18	7.5	2.9	1.2	1.1
22	2.0	1.8	1.5	1.2	1.7	2.4	5.1	29	7.2	2.7	1.1	1.3
23	2.0	1.7	1.5	1.2	1.5	2.4	5.7	34	6.8	2.4	1.1	1.3
24	2.0	1.7	1.5	1.3	1.5	2.3	5.8	40	6.6	2.3	1.2	1.3
25	2.0	1.7	1.5	1.5	2.2	3.0	5.7	32	6.4	2.2	1.3	1.3
26	2.0	1.8	1.5	1.4	1.8	4.1	6.0	26	6.3	2.3	1.3	1.2
27	1.9	1.7	1.4	1.2	1.6	4.3	7.3	26	6.0	2.2	1.2	1.1
28	2.1	1.7	1.4	1.3	1.6	4.3	9.5	24	5.4	2.1	1.2	1.0
29	1.8	1.7	1.4	1.4	1.6	3.9	11	22	5.3	2.0	1.2	1.0
30	1.8	1.6	1.4	1.4	---	3.6	10	21	5.3	1.9	1.4	1.0
31	1.9	---	1.5	1.4	---	3.4	---	18	---	1.8	2.4	---
TOTAL	60.6	55.4	47.6	43.2	43.1	78.8	162.5	549.3	288.6	100.4	46.7	34.81
MEAN	1.95	1.85	1.54	1.39	1.49	2.54	5.42	17.7	9.62	3.24	1.51	1.16
MAX	2.1	2.0	1.8	2.3	2.2	4.4	11	40	17	5.3	2.4	2.1
MIN	1.7	1.6	1.3	1.2	1.2	1.7	3.6	8.3	5.3	1.8	1.1	.84
AC-FT	120	110	94	86	85	156	322	1090	572	199	93	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73, 1977-2000, BY WATER YEAR (WY)

MEAN	1.92	1.62	1.34	1.28	1.40	2.51	5.44	18.9	19.9	7.35	3.44	2.17
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.1	57.3	17.9	8.45	4.58
(WY)	1985	1983	1983	1980	1986	1986	1986	1997	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1972-73, 1977-2000	
ANNUAL TOTAL	2224.3		1511.01			
ANNUAL MEAN	6.09		4.13		5.62	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	59	May 26	40	May 24	150	May 28 1983
LOWEST DAILY MEAN	1.3	Dec 2	.84	Sep 16	.32	Feb 15 1995
ANNUAL SEVEN-DAY MINIMUM	1.4	Dec 24	.94	Sep 13	.42	Jan 19 1995
ANNUAL RUNOFF (AC-FT)	4410		3000		4070	
10 PERCENT EXCEEDS	15		10		13	
50 PERCENT EXCEEDS	2.2		1.9		2.1	
90 PERCENT EXCEEDS	1.6		1.2		.98	

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 for Sep 2-30, which are fair, and estimated daily discharges, which are poor. One small diversion for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft^3/s, Jun 19, 1983, gage height, 5.13 ft, from rating curve extended above 640 ft^3/s; minimum daily, 1.1 ft^3/s, Nov 20, 1977.

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)
May 5	0100	*266	*3.31	No other peak greater than base discharge.			

Minimum daily discharge, 10 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e22	18	17	e12	e12	14	12	164	57	25	16	e19
2	e22	18	e17	e12	e12	13	12	178	55	24	16	17
3	e21	18	e16	e12	e12	13	12	193	52	23	16	16
4	e21	18	e15	e12	e12	14	13	219	49	23	16	15
5	e21	18	e14	e12	e12	14	14	238	47	22	15	14
6	e21	18	e13	e12	e12	14	17	219	45	21	15	14
7	e20	18	e13	e12	e12	16	19	225	42	21	16	13
8	e20	17	e13	e12	13	14	21	203	40	21	19	13
9	e20	18	e13	e12	13	15	24	194	40	21	17	13
10	e20	17	e13	e12	13	14	28	200	47	20	15	13
11	e20	17	e12	e12	13	13	27	188	41	20	14	13
12	e20	17	e12	e12	13	13	22	161	38	19	14	12
13	e20	17	e13	e12	13	13	24	148	36	19	14	12
14	e20	17	e12	e12	13	13	32	133	35	18	14	12
15	20	17	e12	e12	13	13	33	122	33	18	14	11
16	20	17	e12	e12	13	13	28	112	31	18	14	11
17	20	17	e12	e12	13	13	26	102	31	18	14	11
18	20	17	e13	e13	13	13	29	97	31	17	16	11
19	20	e18	e13	e13	e13	13	31	103	30	17	16	11
20	20	17	e12	14	13	13	26	104	30	17	14	10
21	19	17	e12	14	14	14	28	96	29	16	14	10
22	19	e17	e12	14	14	14	38	88	28	16	13	10
23	19	e17	e12	e14	14	13	47	83	29	16	13	11
24	19	e16	e12	14	15	13	55	80	30	16	13	11
25	19	e16	e12	14	e14	13	60	77	29	17	16	11
26	19	e16	e12	15	e14	13	71	75	28	16	19	11
27	19	e17	e12	e14	e14	13	89	73	27	16	15	10
28	19	e17	e12	e13	14	13	122	69	26	16	17	10
29	19	17	e12	e12	e14	13	151	66	26	16	20	10
30	19	17	e12	e12	---	13	161	63	27	16	19	10
31	18	---	e12	e12	---	13	---	59	---	16	e19	---
TOTAL	616	516	399	392	380	416	1272	4132	1089	579	483	365
MEAN	19.9	17.2	12.9	12.6	13.1	13.4	42.4	133	36.3	18.7	15.6	12.2
MAX	22	18	17	15	15	16	161	238	57	25	20	19
MIN	18	16	12	12	12	13	12	59	26	16	13	10
AC-FT	1220	1020	791	778	754	825	2520	8200	2160	1150	958	724

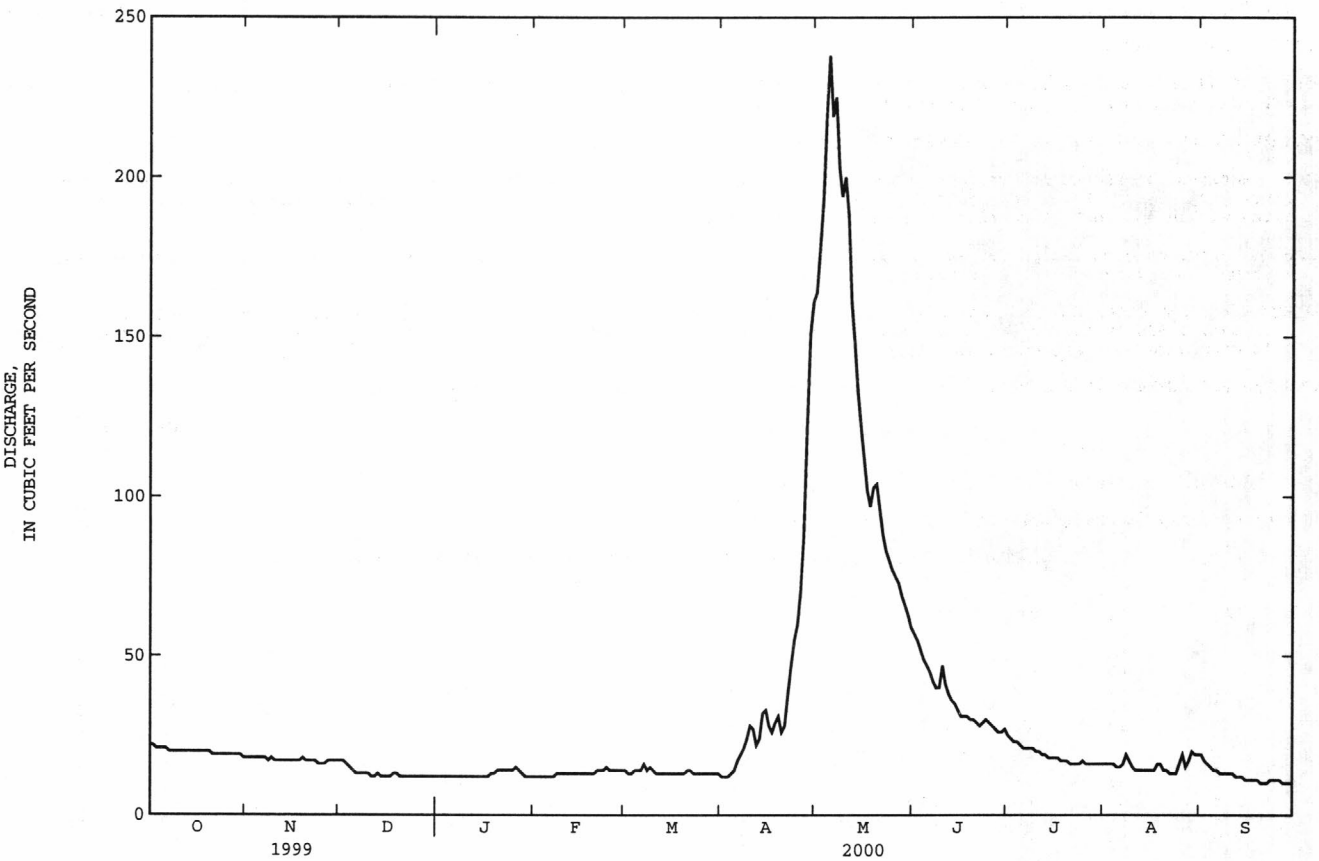
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

MEAN	21.4	17.7	14.0	11.8	11.5	13.1	29.1	173	173	60.2	33.2	25.9
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	15571		10639			
ANNUAL MEAN	42.7		29.1		48.8	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					9.99	1977
HIGHEST DAILY MEAN	280	May 23	238	May 5	720	Jun 19 1983
LOWEST DAILY MEAN	12	Dec 11	10	Sep 20	1.1	Nov 20 1977
ANNUAL SEVEN-DAY MINIMUM	12	Dec 20	10	Sep 24	1.9	Jan 1 1978
ANNUAL RUNOFF (AC-FT)	30890		21100		35370	
10 PERCENT EXCEEDS	104		59		116	
50 PERCENT EXCEEDS	20		16		19	
90 PERCENT EXCEEDS	17		12		7.6	

e Estimated

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT--Continued



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 15 ft upstream of 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 November 9, 1995. Elevation of gage is 6,870 ft above sea level, from river-profile map. Prior to August 23, 1914. at sites about 2 mi upstream. August 23, 1914 to August 22, 1978 at various sites within 300 feet of current site, different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some diversions for irrigation upstream of 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, Sep 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 5	0445	*315	*1.85				

Minimum daily discharge, 41 ft^3/s, Aug 15, Sep 14, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	67	65	60	57	62	58	216	93	56	49	54
2	66	66	64	60	60	61	58	225	89	51	48	53
3	68	65	63	e58	59	61	58	237	86	50	48	51
4	69	66	e62	e58	59	62	59	261	82	49	48	50
5	68	66	e62	58	59	64	67	282	80	48	47	49
6	67	65	e63	e57	59	64	74	264	76	47	45	48
7	66	65	64	e57	59	61	78	269	75	47	47	48
8	66	65	63	57	59	61	78	249	72	48	51	46
9	66	65	e63	e57	59	62	82	234	72	49	57	43
10	68	65	64	58	61	60	90	240	79	49	50	43
11	68	67	60	59	61	60	87	235	76	48	48	44
12	68	66	61	59	61	61	74	207	73	48	46	42
13	66	65	64	60	59	62	72	195	71	46	46	42
14	66	64	e60	60	60	63	81	177	69	46	46	41
15	66	64	e58	60	61	64	84	164	67	45	41	42
16	65	65	58	61	60	62	78	157	64	44	44	43
17	66	65	61	62	61	62	78	147	62	43	47	42
18	68	65	62	64	60	61	75	140	62	42	48	41
19	74	65	61	63	59	60	77	144	61	43	48	42
20	73	66	60	62	60	62	74	144	60	44	46	43
21	71	66	61	62	64	60	75	135	58	44	46	43
22	71	66	60	61	65	61	82	126	57	44	46	43
23	70	e65	e58	60	63	61	90	120	58	46	46	43
24	70	e65	e58	61	e60	61	99	117	60	47	47	44
25	69	63	59	62	e58	61	106	114	61	46	49	45
26	69	66	59	63	e56	60	114	114	61	46	53	43
27	69	66	e58	59	e58	60	128	111	59	47	50	43
28	69	66	58	e58	61	61	158	106	57	46	51	44
29	69	66	58	e58	60	60	190	103	57	46	55	46
30	68	65	e58	e59	---	60	211	98	58	50	61	50
31	67	---	e59	61	---	59	---	94	---	49	55	---
TOTAL	2112	1961	1884	1854	1738	1899	2735	5425	2055	1454	1509	1351
MEAN	68.1	65.4	60.8	59.8	59.9	61.3	91.2	175	68.5	46.9	48.7	45.0
MAX	74	67	65	64	65	64	211	282	93	56	61	54
MIN	65	63	58	57	56	59	58	94	57	42	41	41
AC-FT	4190	3890	3740	3680	3450	3770	5420	10760	4080	2880	2990	2680

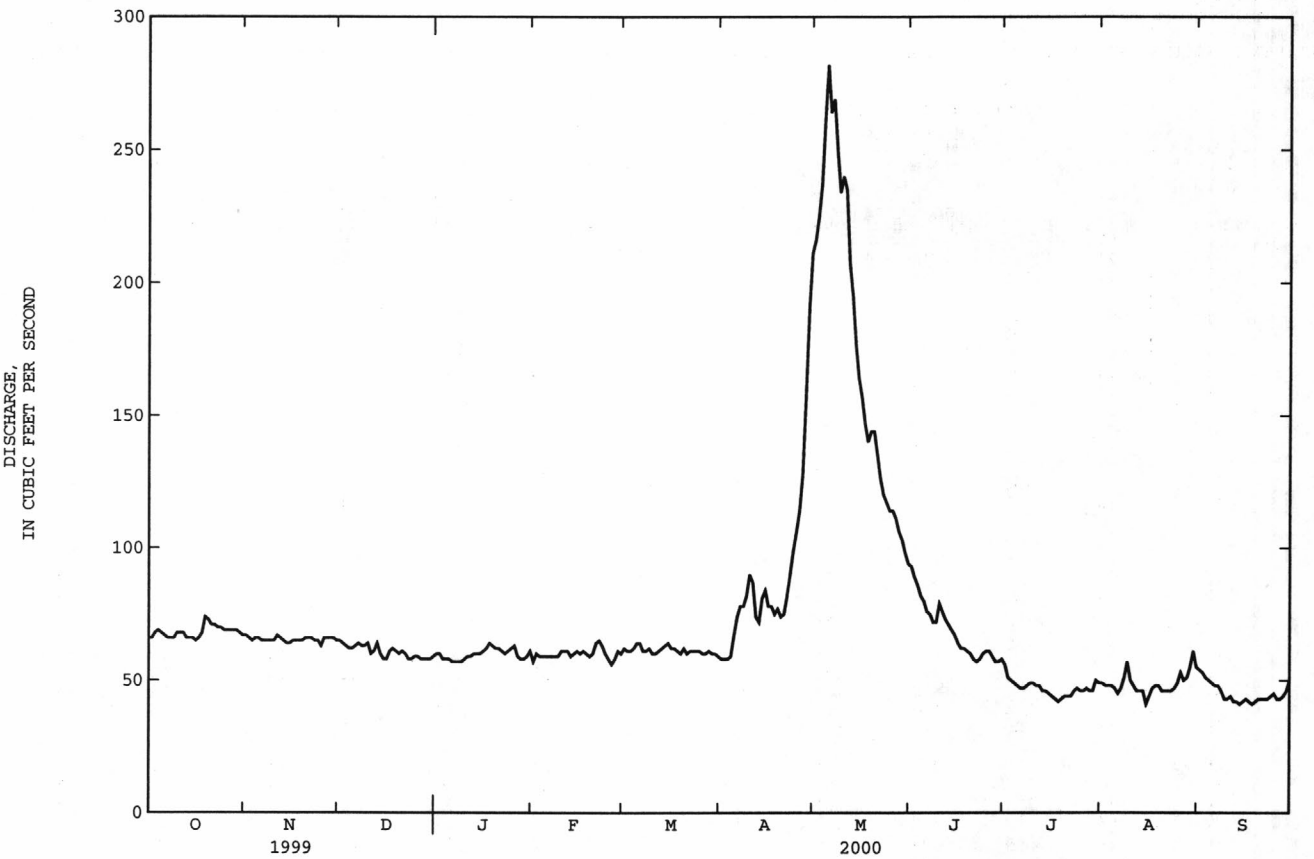
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	76.7	74.5	68.4	62.8	66.1	75.8	128	338	268	121	91.0	79.3
MAX	246	149	150	128	130	159	465	1012	1071	430	228	167
(WY)	1917	1917	1922	1923	1922	1916	1916	1922	1983	1983	1983	1922
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

10174500 SEVIER RIVER AT HATCH, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	35513		25977			
ANNUAL MEAN	97.3		71.0		121	
HIGHEST ANNUAL MEAN					313	1922
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	342	May 23	282	May 5	1430	May 26 1922
LOWEST DAILY MEAN	58	Dec 15	41	Aug 15	.00	Jul 31 1927
ANNUAL SEVEN-DAY MINIMUM	58	Dec 23	42	Sep 12	23	Aug 30 1977
ANNUAL RUNOFF (AC-FT)	70440		51530		87660	
10 PERCENT EXCEEDS	171		98		232	
50 PERCENT EXCEEDS	75		61		76	
90 PERCENT EXCEEDS	65		46		45	

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 of East Fork Sevier River.

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. Concrete control since September 20, 1918. Elevation of gage is 5,980 ft above sea level, from river-profile map. Prior to September 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many irrigation diversions upstream of 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, Jul 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 219 ft^3/s, Jan 18, gage height, 1.63 ft; minimum daily discharge, 9.5 ft^3/s, Jul 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	84	176	175	181	188	110	57	23	17	15	18
2	74	94	176	182	181	191	112	47	22	16	16	17
3	67	105	175	165	182	185	96	56	18	15	16	16
4	76	115	e150	e160	181	181	83	72	18	13	16	15
5	72	113	e145	e155	179	181	71	90	16	13	15	13
6	61	111	147	e150	179	177	69	105	14	13	14	13
7	61	105	154	e155	179	167	76	105	14	12	14	13
8	58	95	160	e165	180	160	74	119	13	15	15	15
9	66	96	155	175	185	160	69	107	14	17	16	14
10	64	92	169	173	192	157	63	93	14	16	15	13
11	73	84	175	174	191	153	58	96	14	14	14	13
12	77	91	168	178	189	155	56	94	14	11	14	13
13	74	121	175	179	189	154	46	87	14	12	14	14
14	78	134	171	180	189	150	37	81	13	18	15	14
15	86	153	161	182	185	150	34	73	14	13	15	13
16	81	155	166	186	186	148	34	63	14	12	18	12
17	64	156	176	191	186	149	32	64	14	12	18	13
18	51	154	185	213	184	146	30	67	13	11	18	14
19	70	156	181	204	178	145	29	58	12	12	18	14
20	64	159	178	196	177	151	27	46	11	13	16	15
21	78	167	173	199	188	152	26	45	11	12	15	16
22	78	171	172	209	203	154	28	45	11	12	15	14
23	64	165	171	192	200	151	29	38	11	9.5	16	16
24	73	158	168	191	197	147	28	35	13	9.8	17	16
25	78	160	169	199	189	142	26	32	13	11	17	17
26	72	178	171	211	175	139	23	28	13	13	19	17
27	70	184	169	196	181	134	23	29	12	13	18	18
28	63	178	168	181	189	127	21	27	12	9.8	18	17
29	57	178	175	171	189	110	23	25	15	9.6	18	17
30	67	178	171	164	---	112	34	23	18	9.7	20	18
31	75	---	169	177	---	110	---	24	---	11	19	---
TOTAL	2167	4090	5219	5628	5384	4726	1467	1931	428	395.4	504	448
MEAN	69.9	136	168	182	186	152	48.9	62.3	14.3	12.8	16.3	14.9
MAX	86	184	185	213	203	191	112	119	23	18	20	18
MIN	51	84	145	150	175	110	21	23	11	9.5	14	12
AC-FT	4300	8110	10350	11160	10680	9370	2910	3830	849	784	1000	889

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	85.0	132	146	135	156	171	153	224	156	48.5	51.7	61.4
MAX	319	237	252	218	259	330	507	1154	1140	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	38223		32387.4			
ANNUAL MEAN	105		88.5		126	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	246	Jun 5	213	Jan 18	1560	Jun 3 1983
LOWEST DAILY MEAN	17	Jul 4	9.5	Jul 23	1.6	Jul 24 1963
ANNUAL SEVEN-DAY MINIMUM	19	Jul 1	11	Jul 23	2.9	Jul 22 1963
ANNUAL RUNOFF (AC-FT)	75820		64240		91630	
10 PERCENT EXCEEDS	180		182		226	
50 PERCENT EXCEEDS	86		72		112	
90 PERCENT EXCEEDS	26		13		12	

e Estimated

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'47", long 112°08'49", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 13, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030002, on right bank about 2,200 ft upstream from bridge on State Highway 22, 2.3 mi east of Kingston, 4.7 mi upstream from mouth, and 10 mi downstream from Otter Creek Reservoir.

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 6,160 ft above sea level, from river-profile map. Prior to April 29, 1914, staff gage at site 0.8 mi upstream at different datum. April 29, 1914 to June 2, 1939, water-stage recorder 4,700 ft downstream at different datum. June 3, 1939 to July 29, 1970, water-stage recorder 3,200 ft downstream at different datum. July 30, 1970 to July 12, 1983, water-stage recorder 760 ft downstream at same datum. July 12, 1983 to April 6, 1999, about 700 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream for irrigation and storage in Otter Creek Reservoir (capacity 52,700 acre-feet) 10 mi upstream; some 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, 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, 166 ft^3/s, May 19, gage height, 4.72 ft; minimum daily discharge, 13 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	73	15	e16	e14	14	13	38	139	139	118	32
2	42	45	14	e16	14	14	13	40	141	139	117	31
3	38	57	14	e16	14	14	14	53	139	134	119	30
4	40	35	e15	e16	14	14	13	108	140	133	122	30
5	44	36	e15	e16	14	14	13	142	142	135	117	27
6	51	38	e16	e16	14	14	13	149	137	134	111	28
7	43	37	16	e16	14	14	13	143	137	133	109	30
8	52	36	16	e16	14	14	13	153	137	137	107	34
9	63	38	e16	e16	14	14	13	153	131	144	109	38
10	71	39	16	e16	15	14	14	151	120	141	110	35
11	61	42	e16	e16	15	14	23	149	120	137	111	34
12	47	50	e16	e16	15	14	105	151	124	137	107	33
13	56	51	e16	e15	15	14	88	149	125	136	100	32
14	61	53	e16	e15	15	14	45	150	135	135	109	32
15	46	53	e16	e15	15	14	45	154	139	120	91	30
16	67	54	e16	15	14	13	47	158	136	119	35	17
17	75	54	e16	15	14	13	51	160	136	119	34	17
18	73	52	e16	29	14	13	50	160	134	119	33	19
19	69	55	e16	17	14	13	52	163	133	118	29	18
20	71	58	e16	15	14	14	52	153	131	123	29	18
21	80	60	e16	15	14	14	50	153	117	119	30	17
22	78	62	e16	16	17	14	53	153	120	121	29	16
23	80	55	e16	15	17	13	56	154	131	125	29	16
24	71	e18	e16	15	16	13	54	157	139	126	32	16
25	70	e17	e16	15	e14	14	53	157	132	123	33	16
26	69	e16	e16	16	e14	13	53	150	144	121	27	17
27	71	15	e16	15	14	13	54	139	149	118	27	17
28	73	15	e16	e15	14	14	53	141	144	117	34	16
29	74	15	e16	e15	14	14	51	146	141	106	34	18
30	74	15	e16	e14	---	14	42	141	143	111	36	14
31	78	---	e16	14	---	14	---	141	---	119	34	---
TOTAL	1931	1244	489	493	420	426	1209	4309	4036	3938	2162	728
MEAN	62.3	41.5	15.8	15.9	14.5	13.7	40.3	139	135	127	69.7	24.3
MAX	80	73	16	29	17	14	105	163	149	144	122	38
MIN	38	15	14	14	14	13	13	38	117	106	27	14
AC-FT	3830	2470	970	978	833	845	2400	8550	8010	7810	4290	1440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	36.7	27.0	22.3	22.0	26.4	39.9	75.4	165	148	167	136	84.3
MAX	241	151	128	156	146	171	398	1109	551	365	335	242
(WY)	1923	1985	1939	1939	1986	1983	1942	1922	1983	1915	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	46054		21385			
ANNUAL MEAN	126		58.4		79.5	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	397	Aug 6	163	May 19	1740	May 12 1941
LOWEST DAILY MEAN	14	Dec 2	13	Mar 16	5.5	Feb 25 1977
ANNUAL SEVEN-DAY MINIMUM	15	Nov 27	13	Apr 1	5.5	Feb 25 1977
ANNUAL RUNOFF (AC-FT)	91350		42420		57610	
10 PERCENT EXCEEDS	365		139		209	
50 PERCENT EXCEEDS	65		35		34	
90 PERCENT EXCEEDS	17		14		13	

e Estimated

10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UT

LOCATION.--Lat 38°19'41", long 112°11'13", in NW¼SW¼SE¼ sec. 34, T. 28 S., R. 3 W., Piute County, Hydrologic Unit 16030003, on left bank 0.25 mi downstream of 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. Concrete control since April 23, 1979. Elevation of gage is 5,920 ft above sea level, from topographic map. Prior to May 4, 1912 nonrecording gage near present site at different datum. May 4, 1912 to March 31, 1935 water-stage recorder at site 0.1 mi downstream at different datum. April 1, 1935 to April 22, 1979 water-stage recorder at site 0.25 mi downstream. Datum lowered 0.2 ft April 7, 1936; lowered additional 0.5 ft February 26, 1970. April 23, 1979 to September 30, 1985 at datum 10.00 ft higher.

REMARKS.-- Records good except estimated daily discharges, which are poor. Flow regulated by Piute Reservoir, capacity 71,830 acre-feet.

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 are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 640 ft^3/s, Apr 28, gage height, 12.46 ft; minimum daily discharge, 4.8 ft^3/s, Sep 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	94	6.9	176	187	191	131	617	238	272	366	147
2	160	94	6.8	176	187	191	122	596	266	254	344	125
3	158	66	6.5	162	187	191	122	562	261	263	358	108
4	158	56	6.4	107	188	193	108	520	238	267	363	96
5	158	55	6.4	106	191	242	82	514	220	295	341	128
6	155	55	120	108	191	242	79	523	317	291	336	119
7	154	51	208	108	191	241	79	526	373	297	322	108
8	154	50	189	108	191	233	77	506	428	285	292	108
9	154	49	169	108	191	212	77	487	489	291	310	81
10	154	49	169	110	191	214	77	410	553	261	331	76
11	154	31	169	109	191	212	87	325	561	302	354	56
12	154	20	169	110	191	212	134	226	522	295	374	29
13	154	19	168	110	191	212	171	275	474	363	383	26
14	154	19	169	110	191	203	246	284	461	454	390	44
15	154	18	171	110	191	172	281	251	484	456	406	98
16	154	18	172	110	190	172	284	194	496	461	405	102
17	153	16	172	110	191	170	247	169	488	457	404	112
18	152	9.2	172	110	191	169	276	194	523	466	366	101
19	151	8.7	172	108	191	169	297	218	522	450	356	75
20	151	8.3	172	202	191	169	323	170	481	432	358	75
21	151	8.1	172	261	191	169	365	208	491	445	379	56
22	151	7.7	174	261	191	169	370	186	480	445	477	23
23	151	7.5	176	261	191	169	388	188	445	409	490	7.4
24	151	7.6	176	234	190	169	466	136	441	398	437	6.9
25	151	7.2	176	216	189	168	500	60	455	398	354	6.8
26	148	7.1	176	216	191	59	525	187	422	405	311	6.8
27	147	7.1	176	216	191	e12	566	149	373	430	284	6.2
28	147	7.1	176	216	191	e10	614	109	368	448	226	5.2
29	145	7.1	176	216	191	e34	632	110	324	482	297	4.8
30	139	7.1	176	216	---	e58	627	54	296	482	289	13
31	94	---	176	200	---	95	---	141	---	427	199	---
TOTAL	4672	859.8	4524.0	4971	5520	5122	8353	9095	12490	11681	10902	1950.1
MEAN	151	28.7	146	160	190	165	278	293	416	377	352	65.0
MAX	161	94	208	261	191	242	632	617	561	482	490	147
MIN	94	7.1	6.4	106	187	10	77	54	220	254	199	4.8
AC-FT	9270	1710	8970	9860	10950	10160	16570	18040	24770	23170	21620	3870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

MEAN	90.5	57.5	40.2	39.6	89.2	113	213	377	349	421	360	199
MAX	302	286	460	383	597	417	550	1017	1862	643	577	493
(WY)	1984	1984	1985	1984	1984	1983	1984	1983	1983	1983	1985	1949
MIN	14.3	7.06	2.37	1.56	1.76	3.12	6.09	41.9	14.6	182	83.2	28.2
(WY)	1987	1997	1979	1951	1951	1971	1952	1957	1957	1961	1956	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	83693.8		80139.9			
ANNUAL MEAN	229		219		196	
HIGHEST ANNUAL MEAN					498	1983
LOWEST ANNUAL MEAN					100	1956
HIGHEST DAILY MEAN	716	Jun 28	632	Apr 29	2470	Jun 4 1983
LOWEST DAILY MEAN	6.4	Dec 4	4.8	Sep 29	.30	Dec 12 1959
ANNUAL SEVEN-DAY MINIMUM	6.7	Nov 29	6.3	Sep 23	.51	Dec 12 1959
ANNUAL RUNOFF (AC-FT)	166000		159000		142200	
10 PERCENT EXCEEDS	471		458		504	
50 PERCENT EXCEEDS	176		188		118	
90 PERCENT EXCEEDS	49		28		4.7	

e Estimated

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 November 5, 1993, 200 ft upstream at datum 3.0 ft higher.

REMARKS.--Records good except 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, 128 ft^3/s, Jun 19, gage height, 2.59 ft; minimum daily discharge, 5.6 ft^3/s, Dec 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	15	14	14	18	19	48	77	22	9.0	22
2	14	14	12	14	15	17	20	49	69	20	9.0	19
3	13	15	11	11	15	16	20	54	64	18	9.6	15
4	13	15	5.6	12	16	18	23	61	59	18	9.9	14
5	14	15	7.6	16	15	20	28	69	55	17	9.1	13
6	14	14	10	9.9	15	18	31	70	54	17	8.7	12
7	17	15	13	12	14	15	33	71	51	23	8.4	12
8	16	15	13	15	14	17	33	79	49	27	9.0	13
9	16	15	11	15	15	16	36	72	50	32	12	13
10	15	15	16	16	15	15	38	69	44	27	12	11
11	15	15	15	16	15	14	36	76	39	22	9.5	11
12	14	14	16	16	16	17	35	72	37	17	8.5	11
13	14	14	16	15	15	16	36	63	35	16	8.0	10
14	14	14	7.2	15	16	16	40	55	46	15	8.1	9.8
15	14	14	7.7	16	17	17	40	50	47	15	8.9	9.5
16	15	15	12	16	16	15	36	48	47	15	19	9.3
17	15	14	14	17	16	17	33	67	45	14	13	9.4
18	16	14	15	22	15	16	33	67	44	14	15	11
19	15	e11	15	21	12	16	32	63	58	13	11	10
20	15	16	16	18	16	15	30	59	36	13	9.7	10
21	15	14	15	e22	17	15	30	61	31	12	8.5	10
22	15	13	11	20	18	16	33	67	28	12	8.6	10
23	15	5.9	11	15	17	20	35	80	30	11	10	13
24	15	6.9	11	18	16	21	36	95	29	11	12	14
25	15	13	11	18	12	21	37	99	27	11	11	13
26	15	17	11	21	13	23	39	94	25	11	11	13
27	15	17	11	17	17	25	44	94	24	9.7	15	12
28	15	15	10	9.0	18	27	52	95	22	8.8	14	12
29	15	15	10	7.3	15	25	57	103	22	8.6	15	11
30	14	15	9.9	12	---	23	53	104	22	8.6	20	12
31	15	---	10	17	---	21	---	87	---	8.7	24	---
TOTAL	457	420.8	369.0	483.2	445	566	1048	2241	1266	487.4	356.5	365.0
MEAN	14.7	14.0	11.9	15.6	15.3	18.3	34.9	72.3	42.2	15.7	11.5	12.2
MAX	17	17	16	22	18	27	57	104	77	32	24	22
MIN	13	5.9	5.6	7.3	12	14	19	48	22	8.6	8.0	9.3
AC-FT	906	835	732	958	883	1120	2080	4450	2510	967	707	724

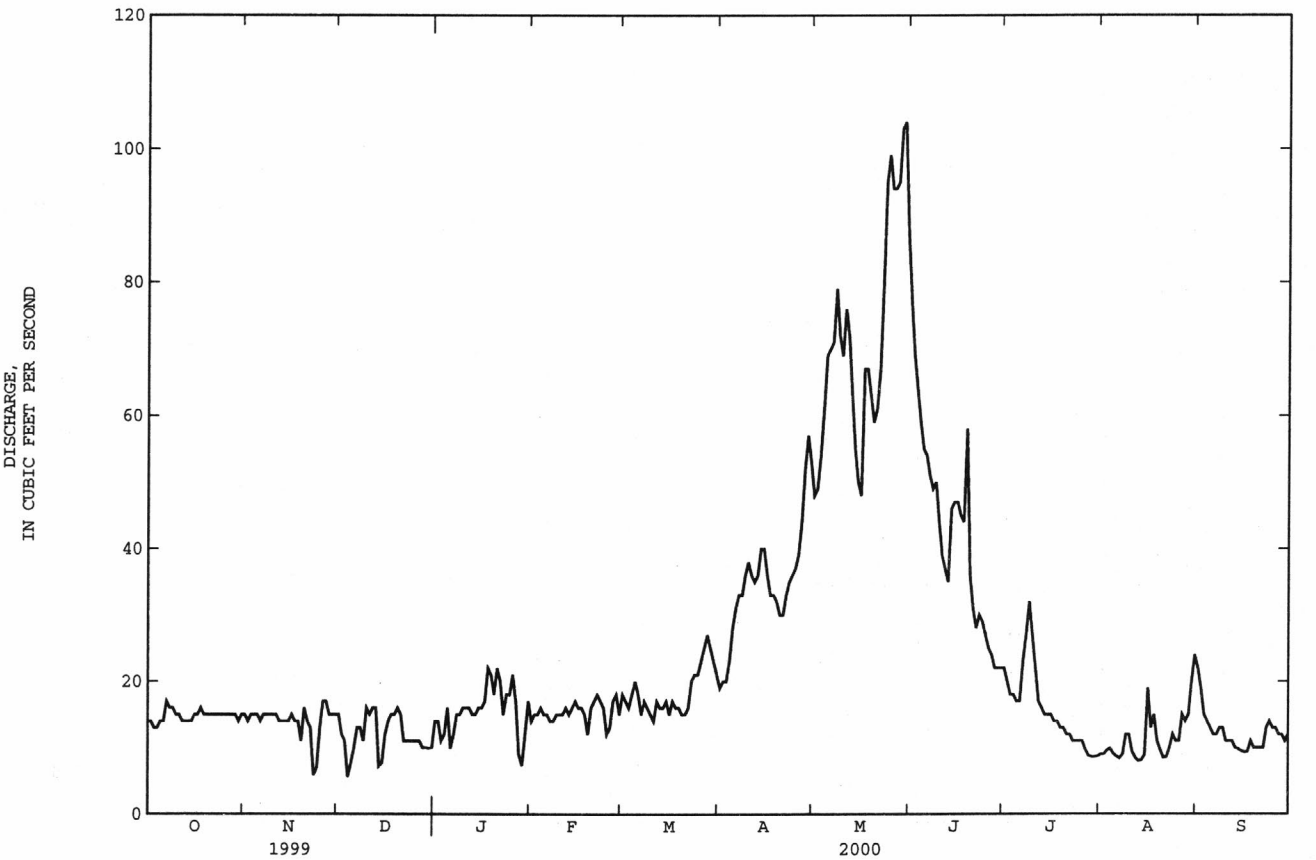
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2000, BY WATER YEAR (WY)

MEAN	13.5	12.6	11.1	11.0	13.7	23.1	54.7	132	109	39.5	18.4	14.0
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1958 - 2000	
ANNUAL TOTAL	12093.6		8504.9			
ANNUAL MEAN	33.1		23.2		37.8	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	137	May 30	104	May 30	633	May 24 1984
LOWEST DAILY MEAN	5.6	Dec 4	5.6	Dec 4	1.8	Jan 26 1979
ANNUAL SEVEN-DAY MINIMUM	10	Dec 3	8.9	Jul 28	2.4	Aug 29 1978
ANNUAL RUNOFF (AC-FT)	23990		16870		27360	
10 PERCENT EXCEEDS	93		52		94	
50 PERCENT EXCEEDS	18		15		16	
90 PERCENT EXCEEDS	14		10		7.9	

e Estimated

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT--Continued



10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'24", long 111°57'12", 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 from topographic map. July 15, to September 23, 1912, nonrecording gage 0.3 mi downstream at different datum. July 31, 1914 to April 19, 1917, nonrecording gage and April 20, 1917 to September 30, 1934, water-stage recorder at present site at datum 1.5 ft higher. October 1, 1934 to October 1, 1990, at datum 3.5 ft higher.

REMARKS.-- Records good except for discharges less than 5 ft^3/s, which are poor. Flow regulated by Rocky Ford Reservoir (capacity 1,700 acre-feet) 0.5 mi upstream. 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, 386 ft^3/s, Jan 27, 28, gage height, 6.32 ft; minimum daily discharge, 2.3 ft^3/s, May 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	206	153	332	351	334	93	5.2	43	3.6	3.7	24
2	164	183	153	337	353	337	125	4.0	33	3.7	6.0	24
3	175	174	153	338	354	337	163	3.5	7.9	3.3	7.4	22
4	175	167	150	329	354	337	116	3.0	5.8	3.2	6.9	25
5	170	155	142	318	354	337	75	2.6	5.1	3.3	6.4	28
6	161	146	141	296	354	339	34	2.6	4.1	3.4	6.1	48
7	161	141	158	274	354	353	20	2.3	3.9	4.1	6.3	81
8	183	142	245	269	337	362	15	2.8	3.7	3.9	6.7	101
9	214	141	309	279	323	367	10	3.1	3.6	5.4	6.0	121
10	226	137	330	280	321	363	9.5	3.6	3.8	9.9	5.5	116
11	225	139	327	278	322	350	9.8	14	3.8	20	4.9	35
12	261	148	324	280	323	341	10	37	3.6	65	4.8	7.1
13	290	141	325	281	323	341	11	62	3.5	61	4.8	10
14	273	131	327	279	330	346	9.6	47	3.5	55	5.1	16
15	182	126	318	279	334	346	8.8	23	3.6	25	5.7	16
16	178	123	317	280	335	341	9.1	17	3.7	4.2	4.9	15
17	206	120	326	282	337	326	9.5	12	3.8	3.3	3.3	14
18	202	119	329	288	338	319	9.1	8.2	3.7	3.2	3.5	13
19	201	122	329	296	337	315	8.9	10	3.5	3.2	4.6	19
20	201	125	331	296	337	285	9.4	6.1	3.6	3.3	13	26
21	198	133	336	296	334	236	9.2	6.0	3.7	3.3	17	29
22	192	133	337	349	334	210	8.5	6.9	3.5	3.3	24	29
23	196	137	334	373	336	204	8.7	e6.0	3.3	3.4	37	29
24	209	138	329	379	338	231	8.6	e6.0	3.4	3.4	50	31
25	211	145	330	380	337	249	8.3	e6.0	3.7	3.1	68	31
26	208	146	331	380	334	233	8.6	15	6.0	3.1	86	32
27	205	156	331	382	332	188	8.6	19	3.7	3.9	85	33
28	198	155	332	363	331	82	7.7	16	3.4	3.8	68	31
29	200	153	333	348	333	65	4.8	26	4.1	4.1	60	28
30	204	153	334	349	---	69	3.7	37	3.5	3.6	42	35
31	213	---	332	350	---	79	---	53	---	3.5	23	---
TOTAL	6240	4335	8846	9840	9780	8622	832.4	465.9	188.5	325.5	675.6	1069.1
MEAN	201	144	285	317	337	278	27.7	15.0	6.28	10.5	21.8	35.6
MAX	290	206	337	382	354	367	163	62	43	65	86	121
MIN	158	119	141	269	321	65	3.7	2.3	3.3	3.1	3.3	7.1
AC-FT	12380	8600	17550	19520	19400	17100	1650	924	374	646	1340	2120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	90.0	119	138	142	172	173	131	132	135	35.6	35.7	53.8
MAX	304	700	591	505	693	634	836	1468	2002	367	192	335
(WY)	1917	1917	1985	1984	1984	1984	1984	1922	1983	1983	1920	1985
MIN	15.0	34.6	35.4	45.4	57.9	42.7	4.44	2.87	1.47	.88	1.06	.59
(WY)	1952	1957	1957	1964	1935	1935	1972	1925	1953	1954	1963	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	56839.8		51220.0			
ANNUAL MEAN	156		140		114	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	495	Jan 21	382	Jan 27	2370	May 30 1922
LOWEST DAILY MEAN	3.4	Jun 29	2.3	May 7	.00	Jul 16 1933
ANNUAL SEVEN-DAY MINIMUM	3.4	Jun 29	2.8	May 3	.00	Jul 16 1933
ANNUAL RUNOFF (AC-FT)	112700		101600		82320	
10 PERCENT EXCEEDS	340		337		245	
50 PERCENT EXCEEDS	136		116		79	
90 PERCENT EXCEEDS	18		3.6		2.8	

e Estimated

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. Crest-stage gage since Aug 21, 2000. 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 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, Jul 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.--Maximum discharge, 109 ft^3/s, Aug 19, gage height, 3.96 ft; minimum daily discharge, 6.8 ft^3/s, Jan 14, 15, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	11	8.3	8.6	e10	7.5	7.8	28	14	10	8.6	7.6
2	11	11	9.1	8.6	e9.5	7.5	8.1	33	14	9.7	8.6	7.6
3	11	11	9.4	10	e9.0	7.5	8.0	40	14	9.7	8.6	8.2
4	11	11	8.2	11	7.9	7.6	9.6	46	14	9.7	8.7	7.4
5	11	11	e8.5	11	7.2	7.7	13	42	13	9.4	8.6	7.5
6	11	11	e9.0	9.8	7.3	7.7	14	38	13	9.0	8.6	7.3
7	11	11	e9.8	11	7.5	7.6	13	35	13	9.0	8.6	7.3
8	11	11	e10	10	7.4	7.6	14	37	12	9.0	8.6	7.3
9	11	11	e10	8.1	7.3	7.6	15	34	12	9.3	8.6	7.3
10	11	11	e10	7.9	7.3	7.4	15	36	12	9.3	8.6	7.3
11	12	10	e10	7.9	7.3	7.6	12	31	12	9.3	8.4	7.3
12	12	10	e9.5	7.3	7.3	7.6	14	26	14	9.2	8.3	7.3
13	12	10	9.0	7.7	6.9	7.5	16	24	17	8.9	8.3	7.3
14	12	10	e9.5	6.8	7.1	7.5	16	23	17	8.9	8.3	7.3
15	12	10	e9.5	6.8	7.2	7.6	14	22	15	8.8	8.3	7.3
16	12	10	e9.5	7.0	7.0	7.5	13	21	12	8.8	8.3	7.3
17	12	10	9.3	7.0	7.0	7.7	13	21	11	8.8	8.1	7.0
18	11	10	8.9	7.4	7.0	7.4	14	21	11	8.6	8.1	7.0
19	11	11	8.3	7.4	8.8	7.5	12	20	12	9.8	12	7.0
20	11	10	7.8	7.3	7.4	7.4	13	19	11	9.3	8.1	7.0
21	11	10	7.6	7.3	7.3	7.6	15	19	11	9.2	7.7	7.3
22	11	10	e8.0	7.1	7.2	7.8	15	19	11	9.1	8.0	7.1
23	11	e12	e9.0	7.5	7.0	7.9	15	18	11	8.9	8.1	7.0
24	11	e13	e10	6.8	7.0	7.7	16	18	11	8.9	8.1	7.0
25	11	e13	e10	7.1	7.1	7.8	16	19	11	8.9	8.1	7.0
26	11	12	e10	7.4	13	8.0	20	20	11	8.9	8.2	7.0
27	11	10	e9.8	7.1	7.3	8.3	27	18	11	8.9	8.2	7.0
28	11	9.9	e9.5	8.0	7.0	8.3	30	17	10	8.9	7.9	7.0
29	11	8.3	e9.2	e9.0	7.0	8.2	28	17	10	8.9	7.9	7.0
30	11	8.3	e9.0	e10	---	8.2	24	17	10	8.8	7.7	7.0
31	11	---	e9.0	e11	---	7.9	---	16	---	8.6	7.8	---
TOTAL	348	317.5	284.7	256.9	223.3	238.7	460.5	795	370	282.5	260.0	217.0
MEAN	11.2	10.6	9.18	8.29	7.70	7.70	15.4	25.6	12.3	9.11	8.39	7.23
MAX	12	13	10	11	13	8.3	30	46	17	10	12	8.2
MIN	11	8.3	7.6	6.8	6.9	7.4	7.8	16	10	8.6	7.7	7.0
AC-FT	690	630	565	510	443	473	913	1580	734	560	516	430

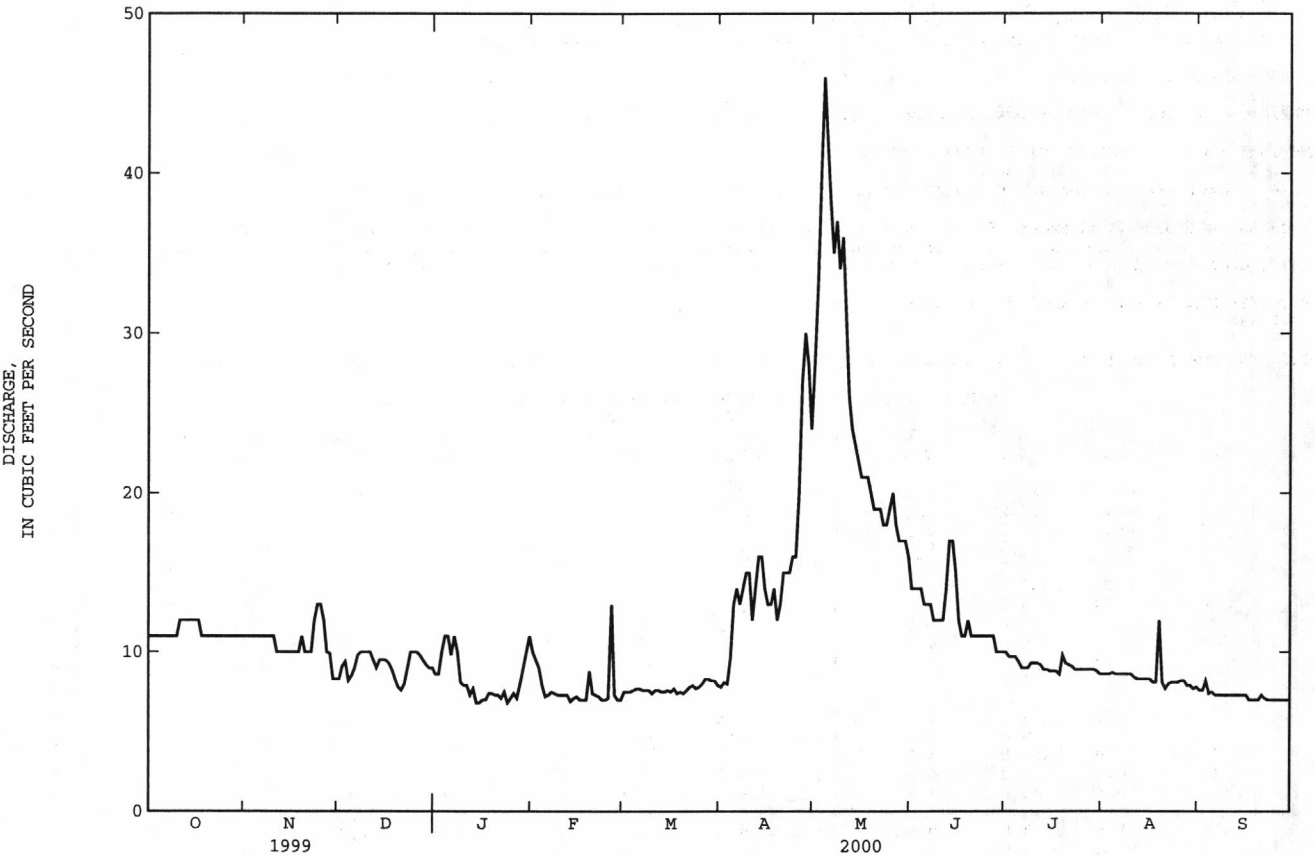
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

MEAN	10.1	8.43	7.21	6.60	6.48	7.63	15.2	67.0	45.7	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	6300.1		4054.1			
ANNUAL MEAN	17.3		11.1		18.2	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	113	May 25	46	May 4	434	May 28 1983
LOWEST DAILY MEAN	7.0	Jan 1	6.8	Jan 14	1.5	Dec 30 1982
ANNUAL SEVEN-DAY MINIMUM	7.6	Jan 1	7.0	Sep 23	1.7	Dec 26 1982
ANNUAL RUNOFF (AC-FT)	12500		8040		13160	
10 PERCENT EXCEEDS	34		17		35	
50 PERCENT EXCEEDS	11		9.3		9.6	
90 PERCENT EXCEEDS	8.5		7.3		5.2	

e Estimated

10205030 SALINA CREEK NEAR EMERY, UT--Continued



10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in $NE^1/_4$ $SE^1/_4SE^1/_4$ 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 National 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 6,500 ft above sea level, from topographic map.

REMARKS.--Records good 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, Jun 28, 1995, gage height, 5.49 ft; minimum, 0.9 ft^3/s, Nov 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 276 ft^3/s, May 24, gage height, 5.04 ft; minimum daily discharge, 1.4 ft^3/s, Sep 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.7	e5.2	4.9	4.6	4.9	4.6	3.4	69	110	24	9.1	5.4
2	e6.7	e5.2	5.7	4.6	4.9	4.6	2.2	79	100	22	8.5	5.3
3	e6.7	5.2	5.9	4.6	4.9	5.3	2.9	95	92	20	8.2	4.6
4	e6.7	5.3	6.3	4.6	4.6	6.4	8.0	116	87	19	8.3	4.2
5	6.5	5.3	6.3	4.6	3.5	6.4	14	125	84	18	7.9	4.1
6	6.4	5.2	6.3	4.6	2.3	5.2	17	123	79	21	7.8	4.2
7	10	5.2	6.5	4.6	2.2	6.4	17	123	75	21	8.1	4.2
8	8.3	5.2	6.7	4.6	3.1	4.5	18	116	71	21	7.7	4.1
9	7.8	5.1	6.7	4.6	3.8	4.2	23	105	69	21	7.7	4.1
10	7.4	4.9	6.7	4.6	4.6	4.6	24	121	66	20	7.5	3.5
11	7.1	4.8	6.7	4.6	4.6	5.2	24	123	63	16	7.1	3.3
12	7.1	5.0	6.7	4.6	4.5	4.3	31	107	61	15	6.9	3.4
13	6.4	4.9	6.1	4.6	4.9	4.8	38	102	58	14	7.0	3.2
14	6.4	e4.8	5.4	4.6	5.7	4.9	40	98	54	14	7.2	3.1
15	6.4	e5.0	5.4	4.6	5.2	4.3	31	99	51	13	7.4	2.8
16	5.8	5.0	5.4	4.6	4.6	5.4	25	104	47	13	7.5	2.9
17	e5.8	4.9	4.6	4.8	4.5	4.4	25	100	45	13	7.5	2.9
18	e5.8	4.2	4.5	7.0	5.3	4.5	26	93	47	12	7.2	3.2
19	e5.8	e5.0	4.6	6.0	5.0	4.7	20	94	51	12	7.3	3.1
20	e5.8	e4.5	4.6	5.2	5.4	6.1	22	107	42	11	7.0	3.1
21	5.8	e4.2	4.7	5.0	4.6	7.5	31	122	37	11	6.6	5.6
22	5.7	e4.0	4.9	4.6	4.8	6.3	35	147	34	10	11	3.5
23	5.6	e6.0	4.9	4.6	4.7	6.3	38	184	32	11	4.7	4.5
24	5.6	7.1	4.9	5.8	4.5	6.3	39	206	31	10	4.8	3.2
25	5.5	7.1	4.9	5.0	9.0	7.2	37	179	30	10	4.5	3.0
26	5.5	7.2	4.9	5.3	6.3	9.6	48	175	28	9.9	4.7	2.6
27	5.4	6.1	4.9	4.6	5.2	10	69	161	28	9.3	4.9	2.2
28	5.3	4.8	4.9	4.7	e4.9	9.7	76	154	25	8.9	4.9	1.9
29	e5.3	4.7	4.9	4.9	e4.8	5.8	71	148	25	8.8	5.1	1.6
30	e5.2	5.1	4.9	4.9	---	4.6	64	134	24	8.8	5.4	1.4
31	e5.4	---	4.9	4.9	---	4.4	---	119	---	9.3	5.5	---
TOTAL	195.9	156.2	169.7	150.9	137.3	178.5	919.5	3828	1646	447.0	215.0	104.2
MEAN	6.32	5.21	5.47	4.87	4.73	5.76	30.6	123	54.9	14.4	6.94	3.47
MAX	10	7.2	6.7	7.0	9.0	10	76	206	110	24	11	5.6
MIN	5.2	4.0	4.5	4.6	2.2	4.2	2.2	69	24	8.8	4.5	1.4
AC-FT	389	310	337	299	272	354	1820	7590	3260	887	426	207

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1979-2000, BY WATER YEAR (WY)

MEAN	8.50	6.78	5.34	4.85	4.72	6.22	18.7	99.6	137	44.3	16.8	10.8
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	3.47
(WY)	1990	1993	1979	1981	1967	1991	1967	1990	1966	1966	1966	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965-74, 1979-2000	
ANNUAL TOTAL	9615.0		8148.2			
ANNUAL MEAN	26.3		22.3		30.4	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					14.1	1989
HIGHEST DAILY MEAN	219	May 28	206	May 24	547	Jun 28 1995
LOWEST DAILY MEAN	4.0	Jan 20	1.4	Sep 30	1.4	Sep 30 2000
ANNUAL SEVEN-DAY MINIMUM	4.5	Jan 20	2.3	Sep 24	2.3	Sep 24 2000
ANNUAL RUNOFF (AC-FT)	19070		16160		22000	
10 PERCENT EXCEEDS	79		77		82	
50 PERCENT EXCEEDS	8.9		6.1		8.6	
90 PERCENT EXCEEDS	4.8		4.2		4.2	

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 April 30, 1914, non-recording gage and April 30, 1914 to October 4, 1917, recording gage at site 0.5 mi upstream. October 4, 1917 to October 28, 1938 near present site (right bank) at datum 0.36 ft higher. October 28, 1938 to April 10, 1986 at same site and present datum. April 16, 1986 to June 6, 1989 recording gage at site approximately 0.8 mi downstream.

REMARKS.--Records good except for estimated daily discharges, which are poor. 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, Jul 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 637 ft^3/s, Feb 17-19, gage height, 6.11 ft; minimum daily discharge, 29 ft^3/s, Aug 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	333	286	414	438	578	234	130	86	66	34	83
2	298	318	286	408	439	581	236	99	79	66	32	85
3	309	307	287	e407	445	580	237	187	74	54	29	78
4	309	286	282	400	450	574	244	216	59	53	31	70
5	293	294	278	401	446	578	238	165	43	48	33	74
6	286	294	273	385	450	578	242	126	46	42	33	83
7	287	289	275	e347	446	574	161	138	46	41	33	99
8	296	286	288	352	454	578	107	191	45	44	32	132
9	307	283	351	360	427	579	110	248	45	45	34	158
10	323	281	400	366	415	548	102	219	44	68	36	186
11	330	278	409	367	425	572	84	207	44	49	35	196
12	332	280	410	369	435	574	95	223	44	43	33	137
13	363	291	417	360	457	564	96	202	42	76	33	87
14	371	286	e417	366	460	566	116	220	40	85	33	56
15	349	290	396	365	521	558	95	185	38	80	33	76
16	295	278	399	366	561	542	100	133	36	62	36	129
17	300	278	419	371	604	524	109	113	35	52	47	124
18	316	279	423	393	637	492	112	148	43	47	52	94
19	306	275	415	397	628	495	116	139	125	45	46	98
20	305	280	423	394	618	498	136	108	60	45	46	102
21	303	286	429	394	599	469	145	95	61	46	45	120
22	301	290	e418	415	610	413	114	95	63	46	44	168
23	315	279	400	442	599	396	105	e92	60	48	54	156
24	331	248	410	457	603	379	74	e90	60	51	60	154
25	335	229	408	476	602	376	87	e88	62	48	88	162
26	339	285	410	496	588	406	117	86	67	44	104	161
27	329	293	413	493	599	398	131	93	66	41	121	164
28	326	295	410	482	596	384	165	88	61	39	113	180
29	322	288	408	422	588	256	172	80	57	39	91	190
30	323	286	407	413	---	220	157	76	61	37	99	188
31	329	---	400	436	---	229	---	79	---	37	118	---
TOTAL	9812	8565	11647	12514	15140	15059	4237	4359	1692	1587	1658	3790
MEAN	317	286	376	404	522	486	141	141	56.4	51.2	53.5	126
MAX	371	333	429	496	637	581	244	248	125	85	121	196
MIN	284	229	273	347	415	220	74	76	35	37	29	56
AC-FT	19460	16990	23100	24820	30030	29870	8400	8650	3360	3150	3290	7520

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2000, BY WATER YEAR (WY)

MEAN	196	241	273	282	341	363	279	382	400	123	107	135
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1918 - 2000	
ANNUAL TOTAL	131098		90060			
ANNUAL MEAN	359		246		259	
HIGHEST ANNUAL MEAN					1346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	1030	Jun 7	637	Feb 18	5400	May 29 1984
LOWEST DAILY MEAN	65	Jul 4	29	Aug 3	6.0	Jul 18 1977
ANNUAL SEVEN-DAY MINIMUM	68	Jun 29	32	Aug 2	6.6	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	260000		178600		188000	
10 PERCENT EXCEEDS	765		492		487	
50 PERCENT EXCEEDS	299		240		190	
90 PERCENT EXCEEDS	106		44		60	

e Estimated

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in $SE^1/_4SW^1/_4SE^1/_4$ 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 April 16, 1914. Elevation of gage is 4,940 ft above sea level, by barometer. Prior to April 16, 1914, staff gage 500 ft upstream at different datum. April 16, 1914 to April 7, 1938, water-stage recorder at present site and datum. April 8, 1938 to March 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. April 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, except for estimated daily discharges which are fair. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft^3/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft^3/s, Jun 9, gage height, 7.63 ft; minimum daily discharge, 2.3 ft^3/s, Sep 25-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	5.1	5.4	193	552	747	157	339	366	546	704	126
2	68	5.2	5.6	193	553	745	187	396	364	540	703	103
3	34	5.2	6.1	193	557	744	187	516	439	363	700	103
4	16	5.2	6.0	192	463	743	186	677	628	244	697	67
5	10	5.2	6.0	191	98	638	187	833	677	275	698	35
6	11	5.2	6.0	190	467	580	286	832	685	296	562	117
7	12	5.2	6.0	191	466	603	355	833	755	351	287	57
8	11	5.6	5.7	191	464	617	465	741	755	375	188	44
9	11	5.5	e5.5	190	463	635	601	717	872	376	108	44
10	11	5.4	5.3	190	463	636	751	684	1030	375	15	45
11	11	5.4	5.2	190	502	636	902	590	921	376	203	30
12	11	5.7	6.3	190	525	633	888	587	894	321	362	13
13	73	6.0	5.9	190	541	625	807	588	897	267	359	3.3
14	186	6.0	5.2	188	565	546	810	585	891	249	408	3.4
15	307	5.9	5.2	187	633	317	803	581	892	250	516	3.4
16	307	6.0	5.2	187	645	261	702	583	889	249	515	3.2
17	255	6.3	5.4	187	668	171	573	537	883	250	512	3.4
18	191	5.2	5.5	192	686	170	532	459	814	247	512	32
19	144	5.3	5.2	197	699	171	505	260	728	450	509	33
20	76	5.3	5.2	164	698	171	437	259	657	637	509	186
21	43	5.3	5.2	171	705	170	404	259	644	660	370	359
22	4.5	5.1	5.2	257	759	140	403	260	642	656	74	3.5
23	4.1	5.0	e5.2	332	760	94	403	262	642	687	29	3.5
24	3.8	5.1	5.6	334	793	94	370	261	640	707	318	3.0
25	3.8	5.2	6.0	378	825	94	340	260	639	707	386	2.3
26	e3.8	5.2	6.4	517	824	78	339	260	599	705	382	2.3
27	3.8	5.2	6.5	550	822	262	340	259	549	705	323	2.3
28	4.1	5.4	56	551	785	358	339	258	549	704	316	2.3
29	4.2	5.4	193	552	745	275	344	257	548	705	312	2.3
30	4.5	5.7	193	552	---	201	340	258	548	705	352	2.3
31	4.7	---	193	553	---	108	---	329	---	703	186	---
TOTAL	1917.3	162.5	787.0	8533	17726	12263	13943	14520	21037	14681	12115	1434.5
MEAN	61.8	5.42	25.4	275	611	396	465	468	701	474	391	47.8
MAX	307	6.3	193	553	825	747	902	833	1030	707	704	359
MIN	3.8	5.0	5.2	164	98	78	157	257	364	244	15	2.3
AC-FT	3800	322	1560	16930	35160	24320	27660	28800	41730	29120	24030	2850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2000, BY WATER YEAR (WY)

MEAN	62.5	36.9	39.6	67.1	76.9	127	307	727	609	542	372	166
MAX	640	439	757	1295	1184	1535	1783	3135	4178	3293	1599	737
(WY)	1923	1999	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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1912 - 2000	
ANNUAL TOTAL	115287.8		119119.3			
ANNUAL MEAN	316		325		262	
HIGHEST ANNUAL MEAN					1322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	1250	Aug 19	1030	Jun 10	4920	Jun 25 1983
LOWEST DAILY MEAN	3.8	Oct 24	2.3	Sep 25	.00	Mar 7 1918
ANNUAL SEVEN-DAY MINIMUM	3.9	Oct 23	2.4	Sep 24	.00	Apr 9 1990
ANNUAL RUNOFF (AC-FT)	228700		236300		189900	
10 PERCENT EXCEEDS	733		710		761	
50 PERCENT EXCEEDS	293		261		44	
90 PERCENT EXCEEDS	5.3		5.2		2.0	

e Estimated

10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ 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. Elevation of gage is 4,660 ft above sea level, by barometer. Prior to October 1, 1979 at site 80 ft upstream. Prior to April 23, 1991 at site 80 ft downstream.

REMARKS.--Records good except for an estimated day, which is fair. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500). Several diversions for irrigation between reservoir and station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,020 ft^3/s, Jun 15-17, 1983; minimum discharge, 2.4 ft^3/s, Jan 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 927 ft^3/s, Jun 11, gage height, 6.98 ft; minimum daily discharge, 19 ft^3/s, Dec 18-21,

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	73	69	256	550	725	228	310	289	479	598	258
2	84	73	69	237	551	724	177	316	349	460	607	212
3	122	73	70	263	553	719	242	330	328	447	612	175
4	113	73	83	252	555	717	241	428	310	384	622	158
5	96	73	96	251	543	718	234	531	493	232	624	152
6	75	55	117	272	259	672	231	706	580	206	633	118
7	69	29	100	329	333	570	248	728	588	235	559	100
8	62	26	80	399	465	587	356	783	624	246	355	149
9	68	25	82	390	470	597	410	750	590	316	218	96
10	75	39	74	271	473	614	556	683	648	336	209	88
11	74	68	71	182	487	636	628	680	886	323	114	83
12	73	70	39	177	510	638	836	594	874	329	55	81
13	72	70	23	170	551	636	853	583	792	298	226	75
14	70	71	28	127	556	633	792	589	783	267	291	60
15	108	71	30	91	575	579	792	593	776	222	298	44
16	275	71	31	89	621	407	812	579	788	231	393	36
17	319	72	21	87	646	346	765	581	819	238	410	43
18	317	70	19	91	672	283	649	567	841	238	436	54
19	253	70	19	94	683	265	619	502	844	226	445	51
20	241	70	19	97	705	266	579	350	737	247	455	44
21	185	70	19	87	709	263	530	278	627	471	452	61
22	133	70	22	78	724	264	467	269	591	556	424	309
23	111	70	e22	133	756	264	437	234	569	579	196	210
24	83	71	26	312	775	209	434	222	562	617	127	82
25	78	70	27	338	787	176	409	254	573	663	179	61
26	77	71	25	368	823	170	340	240	565	659	350	56
27	76	70	24	481	828	169	320	245	552	607	391	60
28	75	70	25	532	831	173	303	260	499	590	331	61
29	74	69	24	540	776	385	305	267	478	595	309	67
30	73	69	38	547	---	354	298	274	476	607	284	60
31	73	---	210	554	---	274	---	279	---	598	370	---
TOTAL	3685	1942	1602	8095	17767	14033	14091	14005	18431	12502	11573	3104
MEAN	119	64.7	51.7	261	613	453	470	452	614	403	373	103
MAX	319	73	210	554	831	725	853	783	886	663	633	309
MIN	62	25	19	78	259	169	177	222	289	206	55	36
AC-FT	7310	3850	3180	16060	35240	27830	27950	27780	36560	24800	22960	6160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2000, BY WATER YEAR (WY)

MEAN	66.3	74.6	75.3	102	136	193	306	592	551	462	312	109
MAX	516	469	728	1218	1134	1514	2087	3243	4702	2842	1644	497
(WY)	1985	1985	1986	1984	1984	1983	1984	1984	1983	1983	1983	1984
MIN	22.7	22.6	10.2	6.16	7.23	11.2	25.9	287	116	180	64.0	20.5
(WY)	1968	1958	1963	1963	1978	1975	1952	1957	1964	1961	1965	1961

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1943 - 2000	
ANNUAL TOTAL	118987		120830			
ANNUAL MEAN	326		330		249	
HIGHEST ANNUAL MEAN					1369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	1120	Aug 22	886	Jun 11	5020	Jun 15 1983
LOWEST DAILY MEAN	19	Dec 18	19	Dec 18	4.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	20	Dec 17	20	Dec 17	4.9	Jan 22 1980
ANNUAL RUNOFF (AC-FT)	236000		239700		180400	
10 PERCENT EXCEEDS	695		683		643	
50 PERCENT EXCEEDS	264		273		77	
90 PERCENT EXCEEDS	69		61		19	

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 0.3 mi upstream of diversion, 0.6 mi downstream of Baker Canyon, and 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. Crest-stage gage since May 25, 1989. Elevation of gage is 6,200 ft above sea level, from topographic map. Prior to March 30, 1914, nonrecording gage and March 30, 1914 to October 15, 1937, water-stage recorder at site 0.1 mi downstream at different datum. October 16, 1937 to March 20, 1959, at site 0.2 mi upstream at different datum. March 21, 1959 to March 21, 1978 at site 0.5 mi upstream at different datum. March 21, 1978 to May 30, 1983, at site 0.2 mi upstream at different datum. July 15, 1983 to June 21, 1985 at present site at datum 1.0 ft higher.

REMARKS.--Records good except discharges greater than 100 ft^3/s, which are fair, and estimated daily discharges, which are poor. No diversion for irrigation upstream of station. Water diverted upstream of station for power generation is returned to stream upstream of station. Slight regulation by powerplants and several small headwater reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft^3/s, Jul 22, 1936, gage height, 7.27 ft, 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 4	2230	*202	*1.83	No other peak greater than base discharge.			

Minimum daily discharge, 15 ft^3/s, Sep 16, 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	24	22	18	e19	19	25	90	83	39	24	22
2	24	23	e21	e18	e19	19	25	101	85	38	24	20
3	25	23	e20	e18	19	19	28	112	82	37	23	20
4	25	23	e20	e18	19	20	34	132	79	34	24	19
5	25	23	e20	e18	19	22	41	121	77	34	23	18
6	25	23	e20	e18	18	20	44	108	78	34	23	18
7	27	23	e20	e18	19	20	46	108	74	34	22	18
8	26	24	e20	e18	18	19	49	120	75	34	22	18
9	25	24	e20	e19	19	19	53	98	78	38	22	19
10	25	24	20	e19	19	20	51	101	75	35	22	18
11	24	23	e20	e19	19	20	43	107	72	34	22	18
12	25	23	e20	e19	19	20	44	88	70	32	22	18
13	24	22	22	19	18	20	49	81	69	31	21	18
14	24	23	e20	19	19	20	54	75	69	30	21	17
15	24	22	e20	19	19	21	48	70	67	23	21	17
16	24	23	e19	19	19	21	44	69	65	25	21	15
17	23	23	e19	19	19	22	41	76	64	25	22	15
18	25	21	19	23	19	22	42	73	70	24	23	17
19	24	21	19	21	21	22	41	73	73	24	23	17
20	24	22	19	20	19	22	40	74	64	24	22	17
21	24	23	19	20	20	22	45	76	60	26	21	17
22	26	23	e19	20	20	22	49	87	56	26	21	17
23	27	e23	e19	20	19	22	48	105	50	26	21	19
24	26	e23	e19	20	19	23	54	118	52	26	20	19
25	25	e23	e19	21	e19	23	59	104	52	26	20	20
26	24	25	e19	22	e20	26	67	101	48	26	20	18
27	24	24	e19	19	20	29	81	99	46	24	21	18
28	24	23	e19	e19	20	30	92	102	40	24	21	18
29	24	22	19	e19	20	28	89	105	39	24	21	18
30	23	22	e18	e19	---	27	85	98	39	24	33	19
31	24	---	e18	e19	---	26	---	87	---	24	29	---
TOTAL	764	688	607	597	556	685	1511	2959	1951	905	695	542
MEAN	24.6	22.9	19.6	19.3	19.2	22.1	50.4	95.5	65.0	29.2	22.4	18.1
MAX	27	25	22	23	21	30	92	132	85	39	33	22
MIN	23	21	18	18	18	19	25	69	39	23	20	15
AC-FT	1520	1360	1200	1180	1100	1360	3000	5870	3870	1800	1380	1080

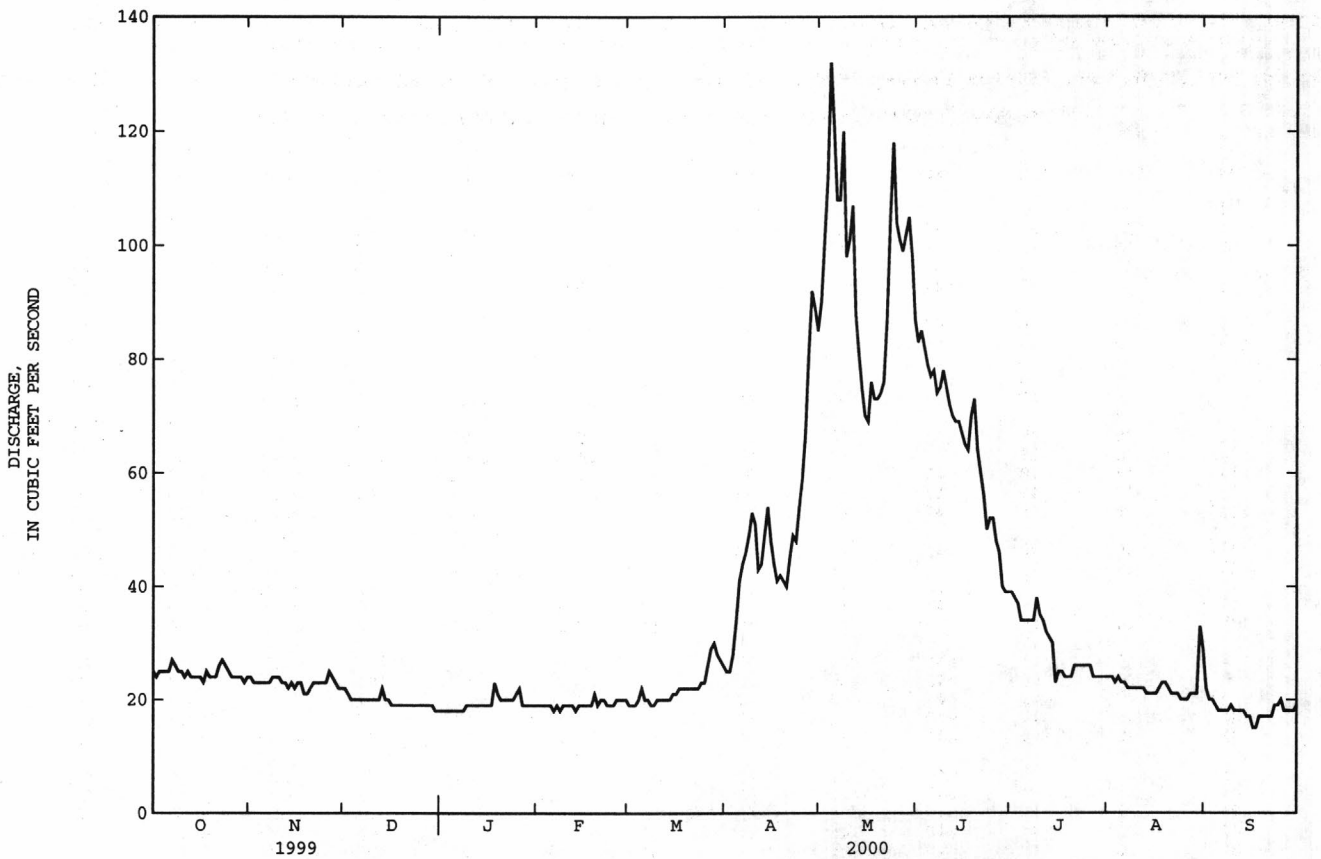
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2000, BY WATER YEAR (WY)

MEAN	23.8	21.8	19.5	18.3	18.9	22.7	53.7	169	154	63.9	37.3	26.1
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

10234500 BEAVER RIVER NEAR BEAVER, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915 - 2000	
ANNUAL TOTAL	17990		12460			
ANNUAL MEAN	49.3		34.0		52.5	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	229	May 28	132	May 4	884	May 24 1984
LOWEST DAILY MEAN	18	Dec 30	15	Sep 16	7.2	Dec 20 1976
ANNUAL SEVEN-DAY MINIMUM	19	Dec 25	16	Sep 14	8.4	Dec 19 1976
ANNUAL RUNOFF (AC-FT)	35680		24710		38040	
10 PERCENT EXCEEDS	124		75		118	
50 PERCENT EXCEEDS	26		23		25	
90 PERCENT EXCEEDS	21		19		15	

e Estimated



10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, on right upstream wingwall of bridge on State Highway 21, 2.0 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, October 1936 to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since November 23, 1994. Elevation of gage is 5,550 ft above sea level, from topographic map. Prior to September 15, 1936 water-stage recorder, September 15, 1936 to October 15, 1937 nonrecording gage, and October 16, 1937 to March 19, 1970 water-stage recorder about 1.7 mi downstream. March 20, 1970 to July 25, 1979 water-stage recorder 400 ft downstream. Sites prior to July 26, 1979 at different datums. July 26, 1979 to February 5, 1992 water-stage recorder 50 ft upstream at same datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. One small diversion between station and Minersville Reservoir. Many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft^3/s, Jun 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 ft^3/s; no flow during summer months some years when gage was 1.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 105 ft^3/s, Jan 26, gage height, 4.35 ft; minimum daily discharge, 0.17 ft^3/s, Sep 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	26	45	e40	e48	57	43	.66	.64	.46	e.20	.28
2	13	27	45	e40	52	55	34	.66	.69	.37	e.20	.24
3	12	30	45	e40	51	52	31	.61	.64	.31	e.20	.20
4	13	36	e44	e40	50	51	27	.56	.69	.35	e.20	.20
5	13	42	e44	e40	49	55	25	.63	.59	.31	e.20	.17
6	13	44	e44	e42	48	54	21	.53	.51	.27	e.20	.19
7	13	45	49	e44	47	52	18	.59	.53	.25	e.20	.37
8	13	45	47	46	46	52	17	8.5	.68	e.25	e.20	.34
9	12	46	e46	51	45	54	14	8.8	.85	e.25	e.20	.29
10	12	47	e45	49	47	53	16	4.4	.82	e.25	e.20	.28
11	15	48	e44	50	47	51	16	.97	.70	e.25	e.20	.32
12	13	49	44	50	51	52	14	1.0	.73	e.25	e.20	.28
13	15	48	47	50	52	51	11	.91	.66	e.25	e.20	.30
14	17	49	48	49	53	52	13	.93	.63	e.25	e.20	.29
15	18	49	47	50	51	50	13	.75	.66	e.25	e.22	.26
16	16	48	e46	51	49	49	9.4	.61	.60	e.25	e.25	.24
17	15	48	e46	52	57	48	7.7	.64	.70	e.25	e.25	.24
18	15	48	46	69	62	48	5.9	.69	.99	e.25	e.28	.26
19	20	46	45	57	58	49	5.5	.69	.96	e.25	e.30	.35
20	24	44	45	48	55	50	5.5	.61	.82	e.22	e.30	.48
21	26	43	e44	52	55	55	5.4	.57	.92	e.22	e.30	.41
22	26	44	e42	65	60	52	5.7	.58	.86	e.22	e.30	.33
23	27	e42	e41	54	54	53	3.3	.56	.76	e.20	e.30	.39
24	29	42	e40	52	54	53	1.2	.52	.76	e.20	e.30	.40
25	31	e44	e40	60	52	54	1.0	.46	.75	e.20	e.30	.35
26	31	48	e40	80	50	56	.92	.91	.71	e.20	e.30	.30
27	31	50	e40	57	51	56	.82	.95	.63	e.20	e.30	.30
28	29	47	e40	e47	54	58	.73	.69	.56	e.20	e.30	.32
29	29	46	e40	e45	55	58	.73	.59	.60	e.20	e.30	.32
30	29	45	e40	e45	---	59	.65	.64	.61	e.20	.31	.23
31	28	---	e40	e45	---	56	---	.66	---	e.20	.31	---
TOTAL	611	1316	1359	1560	1503	1645	367.45	40.87	21.25	7.78	7.72	8.93
MEAN	19.7	43.9	43.8	50.3	51.8	53.1	12.2	1.32	.71	.25	.25	.30
MAX	31	50	49	80	62	59	43	8.8	.99	.46	.31	.48
MIN	12	26	40	40	45	48	.65	.46	.51	.20	.20	.17
AC-FT	1210	2610	2700	3090	2980	3260	729	81	42	15	15	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-2000, BY WATER YEAR (WY)

MEAN	19.6	41.4	41.4	39.4	43.2	43.4	30.6	74.2	83.3	16.2	14.8	11.3
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915-36, 1938-2000	
ANNUAL TOTAL	9937.2		8448.00			
ANNUAL MEAN	27.2		23.1		38.2	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	66	May 28	80	Jan 26	1700	Jun 19 1983
LOWEST DAILY MEAN	1.6	Aug 10	.17	Sep 5	.00	May 7 1924
ANNUAL SEVEN-DAY MINIMUM	1.8	Aug 14	.20	Jul 23	.00	Aug 7 1924
ANNUAL RUNOFF (AC-FT)	19710		16760		27640	
10 PERCENT EXCEEDS	49		52		59	
50 PERCENT EXCEEDS	27		14		30	
90 PERCENT EXCEEDS	4.1		.25		.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, 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 November 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.-- Records good. One small diversion between dam and station. Flow regulated by Minersville Reservoir (prior to 1968 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, Jun 12, 1983, gage height, 4.74 ft, from rating curve extended above 600 ft^3/s on basis of slope-area measurement of peak flow; minimum daily, 1.3 ft^3/s, Oct 24, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 120 ft^3/s, Oct 20, gage height, 1.64 ft; minimum daily discharge, 3.9 ft^3/s, Sep 27-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	45	5.8	4.9	4.9	5.8	6.4	54	55	77	16	10
2	49	47	5.6	4.9	4.9	5.8	6.2	67	54	77	16	6.0
3	46	49	5.3	4.8	4.9	5.8	6.2	79	54	67	17	5.7
4	49	56	5.3	4.6	4.9	5.8	6.2	80	54	66	17	7.2
5	44	60	5.3	4.6	4.9	6.0	6.2	81	55	64	17	14
6	44	63	5.3	4.4	4.9	6.0	6.3	80	56	60	17	13
7	44	62	5.4	4.4	4.9	5.8	6.2	76	49	60	18	7.2
8	42	62	5.6	4.4	4.9	5.8	6.2	67	56	56	18	8.6
9	41	63	5.6	4.4	4.9	5.8	6.2	62	56	53	19	11
10	40	63	5.8	4.4	4.9	5.8	6.3	61	57	47	19	5.6
11	40	63	5.7	4.5	4.9	5.8	6.1	61	55	45	19	11
12	37	51	5.8	4.5	5.1	5.8	6.1	59	53	43	19	11
13	38	6.7	5.7	4.7	5.0	5.8	5.8	53	54	40	19	8.5
14	41	31	5.3	4.4	4.9	5.8	6.0	56	54	38	20	12
15	41	48	5.3	4.5	5.0	5.8	6.0	54	50	36	20	12
16	38	6.2	5.3	4.6	5.0	5.8	6.0	54	47	31	20	12
17	37	5.9	5.3	4.8	5.3	5.8	5.8	54	48	28	21	12
18	37	6.3	5.3	4.9	5.3	5.9	6.2	54	50	26	22	11
19	40	6.2	5.3	4.8	5.3	6.1	6.2	53	48	23	22	9.3
20	49	6.2	5.1	4.5	5.3	6.2	6.2	52	44	20	22	8.3
21	49	5.9	5.2	4.6	5.5	6.2	6.3	58	42	17	23	4.7
22	51	5.8	5.3	4.9	5.8	6.2	6.6	61	49	15	23	4.4
23	50	5.8	4.9	4.7	5.8	6.2	6.2	73	56	13	22	4.7
24	50	5.8	4.9	4.4	5.8	6.2	6.1	69	57	13	18	4.4
25	53	5.7	5.0	4.7	5.8	6.2	6.2	67	57	14	17	4.3
26	54	5.8	5.0	5.0	5.8	6.2	6.3	64	64	13	15	4.0
27	54	5.8	5.0	4.9	5.8	6.3	6.7	58	68	15	13	3.9
28	51	5.8	5.1	4.9	5.8	6.7	24	52	68	17	10	3.9
29	50	5.5	5.3	4.9	5.8	6.7	34	45	70	16	9.5	3.9
30	50	5.7	5.1	4.9	---	6.7	38	45	68	16	13	3.9
31	49	---	4.9	4.9	---	6.6	---	53	---	17	15	---
TOTAL	1409	858.1	164.8	144.8	152.0	187.4	263.2	1902	1648	1123	556.5	237.5
MEAN	45.5	28.6	5.32	4.67	5.24	6.05	8.77	61.4	54.9	36.2	18.0	7.92
MAX	54	63	5.8	5.0	5.8	6.7	38	81	70	77	23	14
MIN	37	5.5	4.9	4.4	4.9	5.8	5.8	45	42	13	9.5	3.9
AC-FT	2790	1700	327	287	301	372	522	3770	3270	2230	1100	471

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-2000, BY WATER YEAR (WY)

MEAN	12.4	10.4	11.2	12.0	11.7	15.5	28.5	96.5	109	84.7	66.1	35.3
MAX	57.8	51.8	97.8	121	55.8	76.7	196	457	926	215	143	145
(WY)	1938	1984	1942	1984	1985	1983	1984	1984	1983	1983	1986	1999
MIN	2.85	3.19	2.67	2.95	3.54	4.69	5.98	27.8	21.0	7.84	7.61	4.59
(WY)	1977	1978	1978	1978	1978	1978	1997	1977	1919	1919	1919	1956

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1915-36, 1938-2000	
ANNUAL TOTAL	25660.9		8646.3			
ANNUAL MEAN	70.3		23.6		40.9	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					12.6	1960
HIGHEST DAILY MEAN	328	Sep 21	81	May 5	1210	Jun 20 1983
LOWEST DAILY MEAN	4.9	Dec 23	3.9	Sep 27	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	5.0	Dec 22	4.0	Sep 24	1.5	Oct 24 1914
ANNUAL RUNOFF (AC-FT)	50900		17150		29660	
10 PERCENT EXCEEDS	134		58		103	
50 PERCENT EXCEEDS	63		9.0		14	
90 PERCENT EXCEEDS	5.8		4.9		4.8	

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 August 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 March 30, 1939, nonrecording gages and March 30, 1939 to May 14, 1945, water-stage recorder at several sites about 0.5 mi upstream at various datums. May 15, 1945 to October 10, 1951 and May 4 to July 2, 1952, water-stage recorder at site 2 mi upstream at different datum. July 3, 1952 to November 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, Jul 23, 1969, gage height, 11.67 ft, from flood-mark, based on slope-area measurement of Jul 16, 1967 and applied to site and datum now in use; minimum, 0.3 ft^3/s, Nov 5, 14, 17, 26, 1959, Feb 17, 1960, Feb 24, 1961.

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)
May 3	2200	*395	*6.59				

Minimum discharge 7.4 ft^3/s, Aug 13, gage height, 4.82 ft, but may have been less during period of ice effect in Dec and Jan.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	e11	11	11	14	12	18	119	43	14	9.7	9.8
2	11	e10	11	e9.0	16	12	25	163	40	13	9.4	10
3	11	e11	e10	e8.0	14	13	36	185	34	13	9.5	10
4	11	e11	e10	e8.0	12	17	47	141	27	13	9.0	10
5	11	e11	e11	e9.0	11	19	52	153	27	12	8.7	10
6	11	e11	11	e8.0	11	13	54	134	25	12	8.6	10
7	12	e13	12	e9.0	12	14	56	124	24	12	8.6	9.9
8	12	e13	12	e10	12	13	61	111	23	12	8.9	10
9	11	e11	e11	e10	12	13	65	108	23	13	8.7	9.9
10	11	e11	12	e11	12	13	54	108	22	12	8.6	10
11	11	e10	e11	12	12	14	42	92	22	11	8.4	9.8
12	11	e9.0	e11	11	12	19	52	71	21	11	8.1	12
13	11	e10	11	11	11	21	56	64	20	10	7.9	9.1
14	11	e9.0	20	11	12	24	66	60	18	11	8.1	9.1
15	11	e11	22	12	12	25	56	57	18	11	8.4	8.9
16	11	e11	15	12	12	21	49	49	17	10	8.1	8.9
17	11	e11	12	13	12	23	54	56	17	10	8.9	8.8
18	11	e8.0	11	16	12	19	58	76	17	10	10	8.9
19	11	e8.0	16	13	12	20	49	88	17	9.8	8.4	8.9
20	11	e12	12	12	12	16	49	76	15	9.7	9.3	8.9
21	11	e11	14	12	14	17	67	56	15	9.5	11	8.8
22	11	e8.0	24	12	13	21	97	50	15	9.6	10	8.8
23	11	e7.0	45	11	12	28	100	52	20	9.4	9.1	9.8
24	11	e7.0	48	12	11	28	92	52	28	9.4	9.5	9.3
25	11	e8.0	26	12	13	32	106	48	18	9.6	11	9.1
26	11	e9.0	12	12	13	39	119	54	16	9.0	9.5	9.1
27	11	11	11	e12	12	33	143	43	16	9.1	22	9.0
28	11	11	10	e11	12	25	176	40	15	9.2	11	8.7
29	e11	11	11	e11	12	21	126	44	15	8.9	11	8.5
30	e11	11	12	e11	---	20	105	44	14	9.0	20	8.3
31	e11	---	12	14	---	18	---	40	---	9.7	11	---
TOTAL	343	306.0	477	346.0	357	623	2130	2558	642	331.9	310.4	282.3
MEAN	11.1	10.2	15.4	11.2	12.3	20.1	71.0	82.5	21.4	10.7	10.0	9.41
MAX	12	13	48	16	16	39	176	185	43	14	22	12
MIN	11	7.0	10	8.0	11	12	18	40	14	8.9	7.9	8.3
AC-FT	680	607	946	686	708	1240	4220	5070	1270	658	616	560

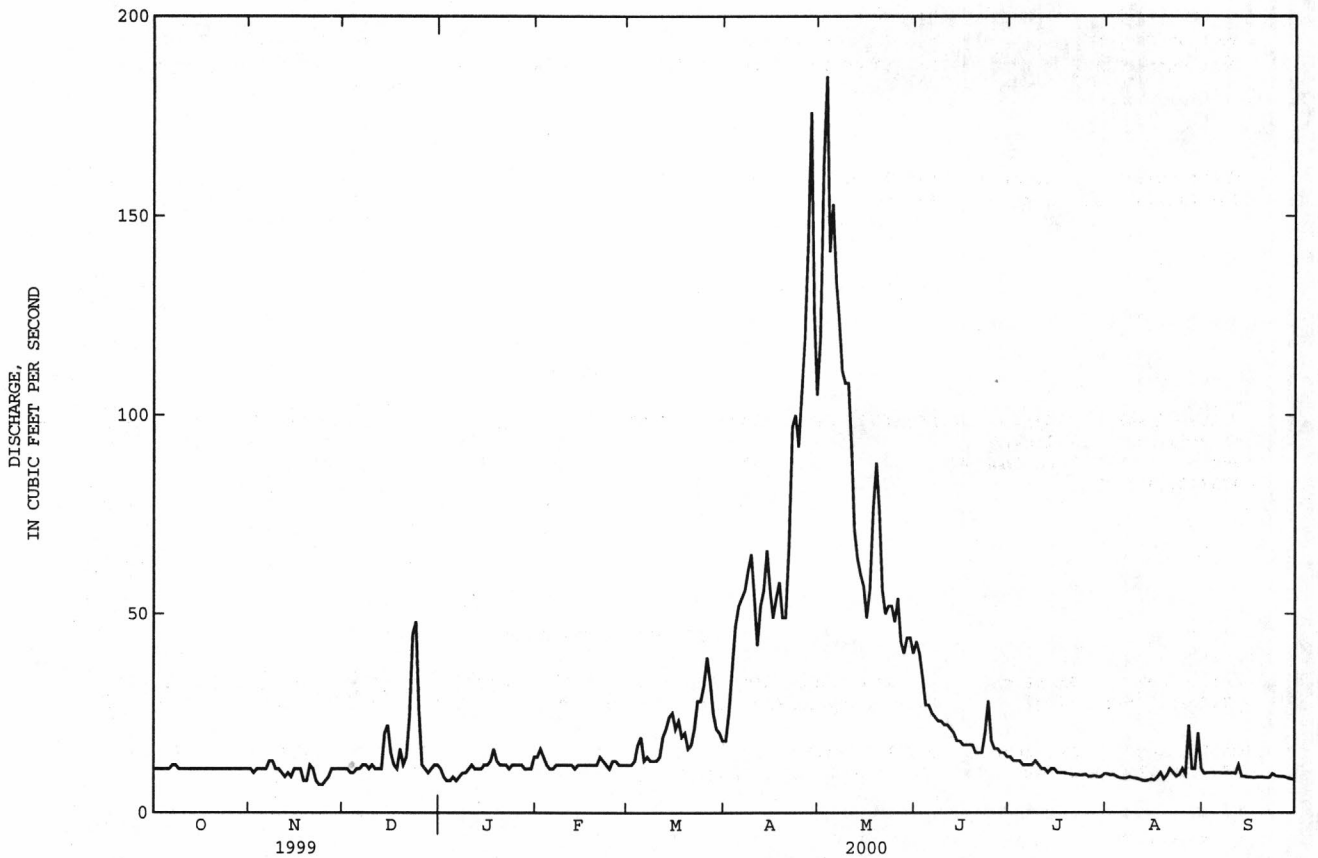
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

MEAN	12.6	11.5	10.4	10.0	11.8	18.2	55.7	145	70.9	22.7	17.3	14.1
MAX	38.4	24.1	21.3	17.7	18.6	39.5	140	489	428	69.9	59.7	46.8
(WY)	1973	1988	1984	1984	1947	1995	1985	1973	1983	1983	1968	1998
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

10242000 COAL CREEK NEAR CEDAR CITY, UT--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	11015.0		8706.6			
ANNUAL MEAN	30.2		23.8		33.5	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	217	May 22	185	May 3	1080	May 31 1983
LOWEST DAILY MEAN	7.0	Nov 23	7.0	Nov 23	2.1	Nov 3 1990
ANNUAL SEVEN-DAY MINIMUM	8.7	Nov 18	8.2	Aug 10	2.5	Oct 28 1990
ANNUAL RUNOFF (AC-FT)	21850		17270		24250	
10 PERCENT EXCEEDS	62		56		76	
50 PERCENT EXCEEDS	15		12		13	
90 PERCENT EXCEEDS	11		9.0		7.8	

e Estimated



DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2000

Stream	Tributary to	Location	Measurements Date	Discharge (ft^3/s)
		JORDAN RIVER BASIN		
West Union Canal 1		Lat 40°18'33", long 111°39'26"	08-24-00	17.16
West Union Canal 2		Lat 40°18'27", long 111°39'27"	08-24-00	17.13
West Union Canal 3		Lat 40°18'11", long 111°39'43"	08-24-00	15.33
West Union Canal 4		Lat 40°17'16", long 111°40'07"	08-24-00	14.63
West Union Canal 5		Lat 40°17'05", long 111°40'14"	08-24-00	14.85
West Union Canal 11		Lat 40°16'55", long 111°40'15"	08-24-00	10.65
West Union Canal 12		Lat 40°16'34", long 111°40'16"	08-24-00	10.79
Carter Point		Lat 40°16'21", long 111°40'13"	08-24-00	10.55
West Union Canal 13		Lat 40°16'19", long 111°40'19"	08-24-00	10.84
West Union Canal 14		Lat 40°15'43", long 111°40'38"	08-24-00	10.99
		SEVIER LAKE BASIN		
Manti Creek 391523111371600	Sevier River	Lat 39°15'23", long 111°37'16" Sanpete County		
		Upstream of diversion	01-12-00	5.10
			07-06-00	20.1
		Downstream of diversion	01-12-00	1.11
			07-06-00	8.74
		CEDAR VALLEY		
Shirts Creek nr Hamilton Fort 373744113075901	Cedar Valley, Iron County	Lat 37°37'44", long 113°07'59"	10-06-99	0.25
			11-26-99	0.24
			01-13-00	0.18
			03-02-00	e 0.10
			04-12-00	0.10
			05-26-00	2.07
			06-29-00	0.38
			08-24-00	0.05
		COLORADO RIVER BASIN		
Calf Creek 374734111245201	Escalante River	Lat 37°47'34", long 111°24'52" Near bridge at Calf Creek campground	09-12-00	5.19
Calf Creek 374637111250601	Escalante River	Lat 37°46'37", long 111°25'06" 300 ft upstream of mouth	09-12-00	5.46

e estimated

403846111192601 INDIAN HOLLOW NEAR KAMAS, UT

LOCATION.--Lat 40°38'46", Long 111°19'26", in $NE^1/_4NW^1/_4SE^1/_4$ sec. 13, T. 2 S., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank on north side of State Highway 248, 2.4 mi west of Kamas.

DRAINAGE AREA.--4.29 mi^2.

PERIOD OF RECORD.--October 1998 to September 30, 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,457 ft above sea level, from topographic survey.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.9 ft^3/s, Apr 4,5, gage height, 7.68 ft; minimum daily discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	e.04	.11	e.06	e.11	.31	.70	.51	.20	.01	.00	.00
2	.04	.05	.10	e.06	.04	.32	.78	.47	.19	.00	.00	.00
3	.04	.06	e.09	e.06	.06	.31	.94	.43	.17	.00	.00	.00
4	.05	.06	e.08	e.07	.07	.38	1.2	.43	.16	.00	.00	.00
5	.05	.07	e.08	e.08	.07	.36	1.5	.40	.15	.00	.00	.00
6	.05	.07	e.08	e.06	.07	.31	1.4	.39	.13	.00	.00	.00
7	.05	.07	.12	e.06	.06	.29	1.2	.40	.11	.00	.00	.00
8	.05	.06	e.10	e.06	.07	.28	1.1	.37	.10	.00	.00	.00
9	.05	.06	e.09	e.08	.09	.30	1.0	.36	.11	.00	.00	.00
10	.05	.07	e.09	e.09	.11	.32	1.0	.39	.11	.00	.00	.00
11	.05	.07	e.08	e.11	.16	.33	.95	.46	.09	.00	.00	.00
12	.05	.08	e.09	e.10	.14	.29	.93	.48	.08	.00	.00	.00
13	.05	.09	e.09	e.10	.12	.29	.88	.46	.08	.00	.00	.00
14	.05	.08	e.08	e.12	.29	.29	1.2	.39	.07	.00	.00	.00
15	.05	.09	e.08	e.12	.43	.30	1.3	.37	.05	.00	.00	.00
16	.05	.09	e.09	e.13	.26	.38	1.3	.37	.05	.00	.00	.00
17	.05	.08	.14	e.14	.22	.31	1.2	.37	.05	.00	.00	.00
18	.05	.07	.14	e.14	.20	.31	1.1	.37	.07	.00	.00	.00
19	.05	.08	.14	e.14	.29	.31	1.0	.35	.11	.00	.00	.00
20	.05	.08	.14	e.14	.20	.31	.95	.32	.07	.00	.00	.00
21	.05	.07	.14	e.13	.36	.44	.89	.29	.05	.00	.00	.00
22	.05	.08	e.08	e.12	.44	.39	.92	.29	.04	.00	.00	.00
23	.05	e.06	e.07	e.12	.30	.36	.89	.27	.04	.00	.00	.00
24	.05	e.06	e.06	e.13	.25	.38	.82	.28	.03	.00	.00	.00
25	.05	e.07	e.06	e.14	.22	.44	.77	.35	.01	.00	.00	.00
26	.05	.11	e.06	e.14	.25	.64	.71	.38	.01	.00	.00	.00
27	.05	.11	e.06	e.13	.20	.91	.63	.28	.01	.00	.00	.00
28	.05	.11	e.06	e.13	.21	1.3	.63	.23	.01	.00	.00	.00
29	.05	.11	e.06	e.13	.26	1.0	.59	.22	.00	.00	.00	.00
30	.05	.12	e.06	e.12	---	.90	.54	.20	.00	.00	.00	.00
31	e.05	---	e.06	e.13	---	.71	---	.19	---	.00	.00	---
TOTAL	1.52	2.32	2.78	3.34	5.55	13.77	29.02	11.07	2.35	0.01	0.00	0.00
MEAN	.049	.077	.090	.11	.19	.44	.97	.36	.078	.000	.000	.000
MAX	.05	.12	.14	.14	.44	1.3	1.5	.51	.20	.01	.00	.00
MIN	.04	.04	.06	.06	.04	.28	.54	.19	.00	.00	.00	.00
AC-FT	3.0	4.6	5.5	6.6	11	27	58	22	4.7	.02	.00	.00

CAL YR 1999 TOTAL 350.47 MEAN .96 MAX 13 MIN .04 AC-FT 695
WTR YR 2000 TOTAL 71.73 MEAN .20 MAX 1.5 MIN .00 AC-FT 142

e Estimated

HYDROLOGIC DATA AT UNION PACIFIC RAILROAD CAUSEWAY
GREAT SALT LAKE BASIN

STATION NUMBER	STATION NAME	DATE	(CFS) DISCHARGE SOUTH TO NORTH	(CFS) DISCHARGE NORTH TO SOUTH
10010020	GSL UPR N CAUSEWAY BREACH AT LAKESIDE, UT	12/16/99	1670	119
		03/23/00	1840	51
		04/04/00	2590	173
		09/12/00	850	176
10010030	GSL UPR N CAUSEWAY WEST CULVERT	11/23/99	0	144
		03/23/00	0	92
		04/04/00	0	67
		05/24/00	0	83
		06/28/00	0	62
		07/27/00	0	20
		08/29/00	0	85
		09/12/00	0	71
10010040	GSL UPR N CAUSEWAY EAST CULVERT	06/23/99	0	139*
		12/16/99	0	177
		04/04/00	0	144
		05/24/00	0	145
		06/28/00	0	156
		07/27/00	0	174
		08/29/00	0	167
		09/12/00	0	134

* Revised

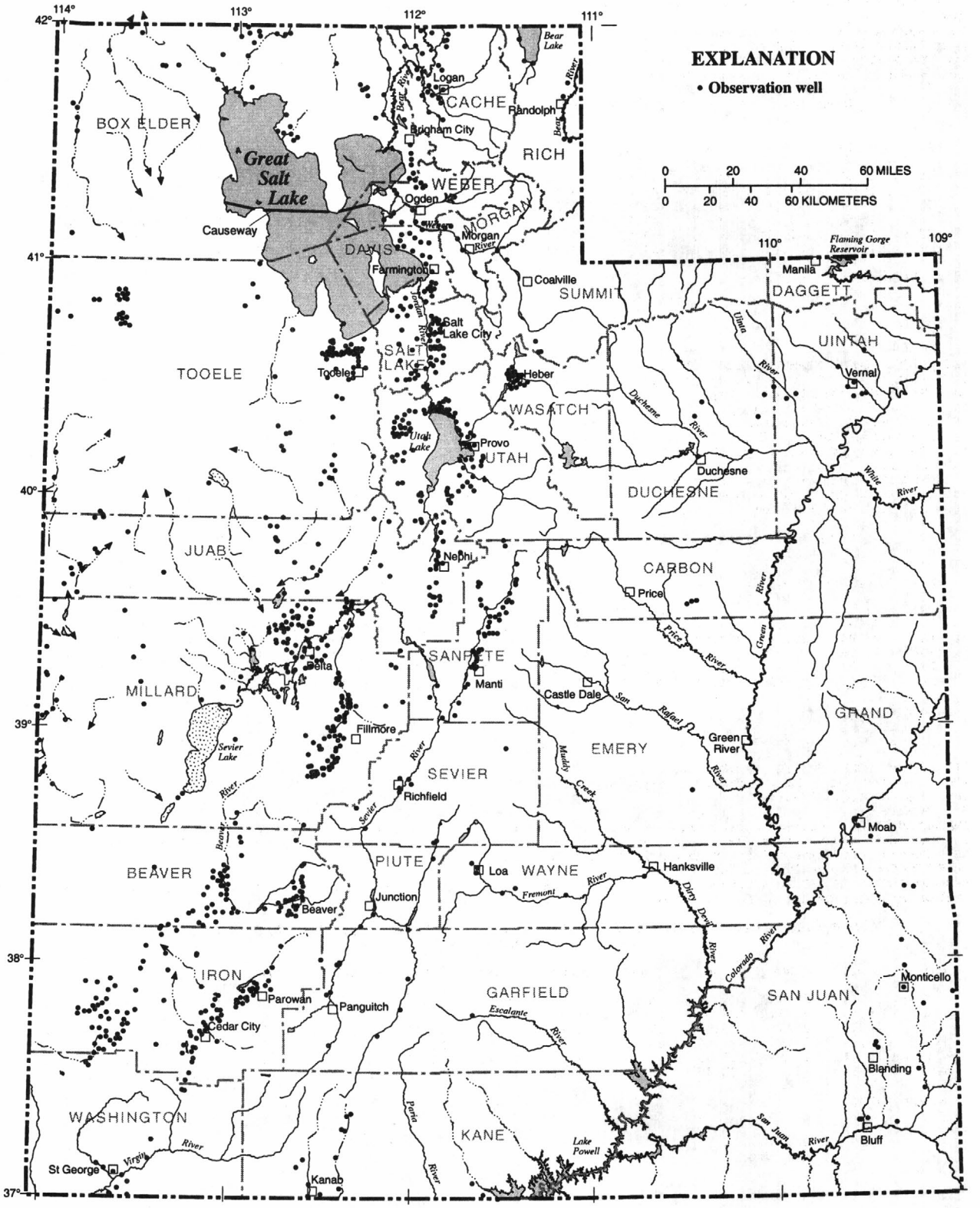


Figure 10. Location of observation wells in Utah where data were obtained on ground-water levels.

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 355 ft, cased to 345 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 except estimated daily values, which are poor.
PERIOD OF RECORD.--April 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.99 ft below land-surface datum, Sep. 30, Oct. 1, 1984; lowest, 69.98 ft below land-surface datum, September 9, 1997.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.01	45.43	44.34	43.88	43.65	43.51	43.59	54.04	61.47	63.43	69.26	64.98
10	48.45	45.24	44.19	43.81	43.57	43.54	44.12	56.78	61.14	64.85	68.52	63.40
15	47.36	45.04	44.16	43.79	43.59	43.54	45.80	e56.1	61.38	64.93	67.42	61.17
20	46.50	44.77	44.07	43.72	43.54	43.50	47.07	56.04	61.21	66.41	66.17	62.78
25	46.07	44.61	44.02	43.67	43.48	43.55	48.87	57.72	60.51	66.74	67.39	61.59
EOM	45.72	44.44	43.86	43.66	43.52	43.57	52.86	62.08	62.56	67.91	67.95	58.49

e Estimated

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 the period of October 1 through January 13, which are poor due to the float catching on a rusted casing.
PERIOD OF RECORD.--October 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.00 ft below land-surface datum, Jul 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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.94	21.94	e22.00	e22.28	22.61	22.73	23.17	23.47	23.47	23.21	22.96	22.62
10	21.94	21.94	e22.04	e22.32	22.65	22.78	23.22	23.46	23.39	23.19	22.90	22.59
15	21.94	21.94	e22.09	22.38	22.57	22.90	23.25	23.49	23.41	23.17	22.87	22.61
20	21.94	21.95	e22.13	22.44	22.68	22.95	23.28	23.50	23.36	23.13	22.82	22.58
25	21.94	21.95	e22.18	22.47	22.63	23.02	23.30	23.49	23.33	23.07	22.82	22.57
EOM	21.94	21.95	e22.23	22.54	22.67	23.08	23.31	23.45	23.29	23.00	22.68	22.59

e Estimated

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 except for estimated days, which are fair.
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, Jul 25, 1987; lowest, 25.86 ft below land-surface datum, Nov 11, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.44	25.55	25.53	25.41	25.32	e25.20	25.04	24.97	25.03	25.18	25.37	e25.58
10	25.46	25.56	25.51	25.36	25.31	25.21	25.05	24.94	25.06	25.22	25.40	e25.60
15	25.47	25.56	25.50	25.38	25.25	25.17	25.00	24.94	25.08	25.23	25.43	e25.62
20	25.53	25.55	25.46	25.36	25.25	25.15	25.01	25.00	25.12	25.27	25.47	e25.64
25	25.54	25.55	25.45	25.35	25.21	25.10	24.99	24.99	25.14	25.29	25.49	e25.66
EOM	25.55	25.52	25.40	25.35	25.21	25.10	24.98	25.04	25.15	25.34	e25.56	e25.68

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, 189.78 ft below land-surface datum, Sep 24, 2000.

GROUND-WATER LEVELS

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	186.08	174.27	169.75	168.33	167.54	166.77	166.60	177.71	178.23	185.08	186.24	187.17
10	185.75	172.84	169.38	167.96	167.28	167.11	166.64	177.32	178.43	186.67	187.15	187.22
15	184.95	171.80	169.23	168.00	167.34	166.87	169.46	176.84	178.51	187.27	186.35	188.70
20	180.49	171.05	168.88	167.82	167.19	166.77	173.96	176.70	179.17	187.02	186.77	188.68
25	179.03	170.50	168.78	167.70	167.13	166.82	175.90	177.23	179.61	187.47	187.51	189.14
EOM	176.83	169.95	168.29	167.60	167.13	166.86	176.84	177.90	182.56	188.13	188.78	189.59

IRON COUNTY

375241112471001. LOCAL NUMBER, (C-34-8)5bca-1.
LOCATION.--Lat 37°52'41", long 112°47'20", 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, Jun 26, 1949; lowest, 56.20 ft below land-surface datum, Apr 14, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	45.68	45.84	46.54	46.83	47.30	47.30	47.71	48.09	48.53	49.27	49.77	50.55
10	45.77	45.84	46.59	46.86	47.22	47.59	47.79	48.02	48.58	49.37	49.88	51.04
15	45.76	45.89	46.71	46.92	47.28	47.46	47.72	48.16	48.93	49.31	50.02	50.93
20	45.72	46.19	46.77	47.04	47.34	47.49	47.83	48.34	49.14	49.40	50.04	50.90
25	45.65	46.39	46.76	47.08	47.39	47.72	47.92	48.28	49.20	49.51	50.28	50.86
EOM	45.79	46.38	46.84	47.25	47.47	47.69	48.09	48.29	49.18	49.66	50.47	51.00

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. Well was dry from June 5 to end of water year.
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, Sep 11, 1947; lowest, 127.86 ft below land-surface datum, Aug 29, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	126.31	124.64	123.25	122.21	121.31	120.33	119.65	122.53	125.35	125.41	125.60	125.61
10	126.21	124.37	123.06	122.05	121.05	120.46	119.62	123.50	125.37	125.42	125.60	125.60
15	125.75	124.12	122.98	121.88	121.07	120.20	119.93	123.98	125.38	125.42	125.59	125.61
20	125.43	123.85	122.78	121.69	120.76	119.99	120.54	124.22	125.40	125.59	125.60	125.61
25	125.13	123.66	122.54	121.55	120.80	119.99	121.22	124.04	125.41	125.59	125.60	125.61
EOM	124.80	123.41	122.27	121.43	120.58	119.79	122.03	124.30	125.41	125.60	125.60	125.61

IRON COUNTY--Continued

374132113063601. LOCAL NUMBER, (C-36-11)8aab-1.
LOCATION.--Lat 37°41'32", long 113°06'36", Hydrologic Unit 16030006.
Owner: Cedar City Corporation.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., cased to 220 ft.
DATUM.--Land-surface datum is 5,563 ft above sea level. Measuring point: Top of casing, 5.2 ft above land-surface datum.
REMARKS.--Records good except for estimated days, which are poor.
PERIOD OF RECORD.--September 1935 to December 1943, March 1945 to March 1973, April 1978 to September 1987, and November 16, 1998 to current year. Records from March 1989 to March 1998 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.67 ft below land-surface datum, Sep 27, 1943; lowest, 105.24 ft below land-surface datum, Sep 20, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e94.8	88.88	84.28	e81.1	78.44	76.30	75.33	77.14	88.32	94.22	100.91	104.25
10	94.44	87.96	83.66	e80.6	77.92	76.25	74.97	79.41	90.14	96.07	101.63	104.69
15	93.44	87.13	83.14	80.12	77.71	75.84	75.02	81.49	91.61	97.05	102.71	104.96
20	92.21	86.30	82.55	79.63	77.28	75.48	75.19	83.74	92.72	e97.9	103.40	105.06
25	91.07	85.64	82.07	79.19	77.08	75.35	75.65	85.24	92.40	98.56	103.97	104.30
EOM	89.84	84.87	e81.5	78.82	76.69	75.02	76.19	87.42	92.94	99.82	104.26	104.34

e Estimated

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.--Records good. There are several nearby pumped wells.
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, 202.47 ft below land-surface datum, Aug 24, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	188.79	187.06	185.88	184.91	183.89	182.85	182.41	190.93	192.37	193.20	199.04	200.04
10	188.44	186.86	185.63	184.62	183.54	183.17	182.42	192.00	194.62	193.05	199.37	199.26
15	188.02	186.58	185.65	184.55	183.73	182.76	182.82	190.67	195.26	194.45	197.05	195.27
20	188.40	186.33	185.41	184.30	183.42	182.54	186.76	187.36	196.64	197.67	197.59	194.93
25	187.59	186.24	185.22	184.18	183.31	182.69	187.71	187.45	196.01	199.15	201.41	194.46
EOM	187.36	185.93	184.82	184.05	183.24	182.50	187.59	189.12	195.10	198.70	200.20	199.46

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.
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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.93	56.56	56.57	56.62	56.59	56.42	56.41	57.05	58.08	59.71	60.45	60.27
10	56.92	56.56	56.54	56.52	56.52	56.57	56.39	57.38	58.51	59.74	60.55	60.48
15	56.74	56.54	56.67	56.63	56.56	56.49	56.31	57.13	58.75	59.99	60.53	60.25
20	56.74	56.51	56.65	56.60	56.54	56.41	56.39	57.32	59.06	60.07	60.39	60.51
25	56.70	56.51	56.66	56.58	56.53	56.51	56.43	57.65	59.40	60.21	60.40	60.29
EOM	56.66	56.52	56.52	56.59	56.54	56.47	56.67	57.51	59.54	60.33	60.48	60.26

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.--Navajo Sandstone.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in., open hole from 18 ft to 560 ft.
DATUM.--Land-surface datum is 5,630.00 ft above sea level. Measuring point: Top of casing, 1.6 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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.45	164.51	164.61	164.51	164.58	164.20	164.57	164.52	164.71	164.67	164.75	164.83
10	164.62	164.50	164.34	164.45	164.27	164.71	164.49	164.29	164.60	164.75	164.77	164.84
15	164.35	164.54	164.74	164.61	164.52	164.43	164.34	164.53	164.56	164.77	164.92	164.94
20	164.66	164.36	164.59	164.46	164.49	164.17	164.71	164.75	164.71	164.75	164.80	164.70
25	164.58	164.59	164.72	164.39	164.36	164.67	164.72	164.46	164.79	164.71	164.89	165.04
EOM	164.60	164.56	164.30	164.50	164.49	164.53	164.73	164.59	164.68	164.81	164.79	164.91

370650112331002. LOCAL NUMBER, (C-42-6)32cba-2.
LOCATION.--Lat 37°06'50", long 112°33'10", Hydrologic Unit 15010003.
Owner: Kanab City.
AQUIFER.--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 except for estimated days, which are fair. 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, 1986; lowest, 70.91 ft below land-surface datum, Sep 14, 1999, but may have been lower during estimated period from Sep 16 to Sep 30, 1999.
GROUND-WATER LEVELS

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.24	69.48	68.71	68.00	e68.3	e67.7	67.63	68.49	68.89	68.92	69.44	68.86
10	69.94	69.26	68.48	68.46	68.10	e67.6	67.64	68.24	69.09	68.68	69.18	69.34
15	69.66	69.07	68.38	68.80	67.91	67.45	67.85	68.00	69.05	68.78	69.52	69.67
20	69.48	68.88	68.20	69.07	68.09	67.40	67.94	67.83	69.40	68.53	69.15	69.83
25	69.85	68.72	68.07	e68.9	e68.0	67.34	67.66	68.16	69.16	69.09	69.32	70.03
EOM	69.81	68.55	67.86	68.54	e67.8	67.62	68.24	68.63	69.17	69.41	69.13	70.19

e Estimated

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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	106.63	106.81	106.85	106.55	106.45	105.93	105.94	106.01	105.93	106.33	106.95	e107.06
10	106.65	106.74	106.86	106.58	106.37	106.20	105.83	105.80	106.07	106.33	106.97	e107.14
15	106.52	106.88	106.91	106.64	106.26	105.94	105.79	106.04	106.17	106.60	107.19	e107.22
20	106.62	106.83	106.96	106.52	106.24	105.94	106.02	106.19	106.12	106.80	107.16	e107.29
25	106.60	106.75	106.89	106.54	106.18	106.03	105.88	106.09	106.37	106.66	107.09	e107.38
EOM	106.74	106.63	106.50	106.40	106.03	105.99	106.06	105.96	106.44	106.86	e107.02	e107.46

e Estimated

MILLARD COUNTY--Continued

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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.91	8.74	8.64	8.51	8.32	8.00	7.97	8.06	8.38	8.72	9.03	9.25
10	8.93	8.74	8.58	8.44	8.24	8.05	7.97	8.08	8.41	8.79	9.06	9.29
15	8.88	8.71	8.62	8.47	8.24	7.99	7.94	8.18	8.47	8.86	9.11	9.35
20	8.88	8.67	8.56	8.43	8.18	7.94	8.04	8.26	8.51	8.86	9.15	9.36
25	8.82	8.69	8.57	8.36	8.10	7.98	8.05	8.27	8.59	8.89	9.21	9.39
EOM	8.81	8.63	8.47	8.32	8.11	8.00	8.10	8.29	8.63	8.96	9.22	9.38

390623113084101. LOCAL NUMBER, (C-20-12)1aac-1.
LOCATION.--Lat 39°06'23", long 113°08'41", Hydrologic Unit 16030009.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 2 in., hole depth 150 ft, perforated 127 to 145 ft.
DATUM.--Elevation of land-surface datum is 4,543.77 ft above sea level. Measuring point: Top of inside steel casing, 1.0 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1980-82, 1984, 1986-92, 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 55.10 ft below land-surface datum, Apr, 1999; lowest, 56.79 ft below land-surface datum, Jul 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	55.28	JAN 13	55.37	APR 26	55.23	JUL 13	55.25	AUG 30	55.19		
DEC 02	55.32	MAR 02	55.17	MAY 31	55.15	18	55.27				

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, 2.45 ft above land-surface datum. Casing extended 1.95 ft, May 6, 1998.
REMARKS.--Record is good except for estimated record, which is 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, Jul 20, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.34	29.55	29.20	29.00	28.93	28.83	29.25	33.86	e34.1	34.83	36.21	37.30
10	29.56	29.47	29.13	28.97	28.78	29.03	29.80	33.43	e34.3	34.99	36.31	37.25
15	29.54	29.42	29.19	28.96	28.82	28.97	31.54	33.19	e34.6	35.57	36.87	37.19
20	29.59	29.31	29.10	28.63	28.85	29.02	31.78	33.74	e34.8	36.05	36.90	36.82
25	29.61	29.28	29.07	28.63	28.87	29.15	32.60	33.57	35.03	36.24	37.33	36.70
EOM	29.56	29.18	28.99	28.76	28.93	29.19	32.64	e33.8	35.14	36.37	37.45	36.58

e Estimated

MILLARD COUNTY--Continued

384906112330601. LOCAL NUMBER, (C-23-6)17baa-1.
LOCATION.--Lat 38°49'06", long 112°33'06", Hydrologic Unit 16030008.
Owner: Brandon George.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in., drilled to depth of 262 ft, cased to 140 ft.
DATUM.--Elevation of land-surface datum is 4,710 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.
REMARKS.--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, Sep 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.51	37.71	37.25	36.92	36.61	36.24	36.16	37.97	37.96	38.87	39.18	39.06
10	38.39	37.62	37.17	36.82	36.49	36.37	36.55	38.07	38.06	39.08	39.23	38.66
15	38.25	37.53	37.19	36.82	36.53	36.26	36.70	37.83	38.00	39.04	39.18	39.06
20	38.12	37.41	37.11	36.72	36.44	36.23	36.54	38.12	38.64	39.07	38.55	38.34
25	37.96	37.37	37.05	36.68	36.45	36.27	37.10	38.18	38.85	39.16	38.74	38.05
EOM	37.82	37.27	36.90	36.64	36.38	36.23	37.93	37.96	38.87	39.18	39.15	37.74

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 above sea level. Measuring point: Top of casing, 2.10 ft above land-surface datum.
REMARKS.--Records good except for estimated days, which are poor.
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, Jul 25, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.14	57.12	57.16	57.28	57.45	57.52	57.79	58.00	58.17	57.91	57.50	57.03
10	57.17	57.14	57.13	e57.27	57.45	57.70	57.85	58.00	58.16	57.89	57.40	56.95
15	57.12	57.14	57.21	57.34	57.48	57.68	57.83	58.03	58.13	57.81	57.37	56.92
20	57.20	57.14	57.20	57.36	57.50	57.67	57.96	58.13	58.12	57.73	57.25	56.81
25	57.16	57.14	57.26	57.37	57.50	57.80	57.98	58.08	58.10	57.66	57.19	56.76
EOM	57.16	57.15	57.21	57.42	57.57	57.82	58.07	58.10	58.03	57.59	57.07	56.65

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 except for estimated days, which are poor.
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, Jul 25, 1958.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	160.83	160.95	160.87	160.67	160.69	160.20	e160.51	160.37	160.47	160.44	160.61	160.65
10	160.95	160.94	160.58	160.55	160.45	160.54	e160.55	160.11	160.32	160.52	160.62	160.59
15	160.66	160.99	160.86	160.82	160.52	160.33	160.22	160.35	160.30	160.51	160.73	160.72
20	161.04	160.74	160.68	160.54	e160.33	160.04	160.60	160.47	160.37	160.53	160.66	160.49
25	161.01	160.86	160.96	160.40	160.25	160.52	160.56	160.24	160.53	160.55	160.69	160.72
EOM	161.04	160.94	160.54	160.57	160.46	e160.45	160.45	160.33	160.47	160.65	160.57	160.62

e Estimated

SAN JUAN COUNTY--Continued

375050109034801. LOCAL NUMBER, (D-34-26)4dad-1.
LOCATION.--Lat 37°50'50", long 109°03'48", Hydrologic Unit 14080203.
Owner: State of Utah.
AQUIFER.--Sandstone.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 100 ft.
DATUM.--Elevation of land-surface datum is 6,725 ft above sea level. Measuring point: Top of 3 in. pipe housing, 4.83 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--November 1946-51, 1953-92, 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 25.84 ft below land-surface datum, Apr 13, 1983; lowest, 45.41 ft below land-surface datum, Oct 30, 1953.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.14	33.84	36.92	34.66	34.04	34.11	35.03	35.71	34.93	35.15	35.93	35.80
10	34.06	33.86	35.80	34.58	33.95	34.20	34.95	35.28	34.83	35.15	36.10	35.79
15	33.97	33.91	35.39	34.56	33.95	34.58	35.31	35.17	35.21	35.22	35.82	35.99
20	34.14	33.85	35.04	34.39	34.08	34.76	35.51	35.03	35.15	35.46	35.63	36.00
25	34.06	35.55	34.91	34.27	34.00	35.07	35.58	34.81	35.16	35.48	35.63	36.05
EOM	33.95	40.94	34.64	34.08	34.08	35.20	35.71	34.78	35.10	35.57	35.71	35.98

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.-- Dakota Sandstone.
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 except for estimated days, which are fair.
PERIOD OF RECORD.--October 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.51 ft below land-surface datum, Sep 20, 1988; lowest, 57.23 ft below land-surface datum, Oct 20, 1960.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	43.23	43.40	43.52	44.07	44.80	44.94	45.81	46.27	46.69	46.76	46.83	47.16
10	43.41	43.38	43.72	44.07	44.58	45.55	45.78	46.02	46.51	46.82	46.88	47.14
15	43.05	43.65	43.51	44.46	44.85	45.24	45.71	46.39	46.49	46.80	47.00	47.40
20	43.47	43.55	43.80	44.35	45.01	44.99	46.31	46.62	46.63	46.79	47.00	47.16
25	43.43	43.62	44.17	44.37	44.77	45.73	46.33	46.33	46.80	46.79	47.08	47.56
EOM	43.58	43.93	43.88	44.56	45.12	45.61	46.27	46.46	e46.83	46.89	47.05	47.49

e Estimated

SUMMIT COUNTY

403725111155201. LOCAL NUMBER, (D-2-6)28aab-3.
LOCATION.--Lat 40o37'25", long 111o15'52", Hydrologic Unit 16020101.
Owner: Peterson.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused water table well, diameter 8 in., depth 85 ft, perforated 65-85 ft.
DATUM.--Land-surface datum is 6580 ft above sea level. Measuring point: Top of PVC casing, 2.0 ft above land-surface datum.
REMARKS.--Records good except for estimated days, which are fair.
PERIOD OF RECORD.--November 1998 to current year (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 21.21 ft below land-surface datum, Aug 26, 1999; lowest, 36.09 ft below land-surface datum, April 11, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.24	31.59	32.14	34.05	34.52	34.79	35.72	33.16	28.69	27.84	29.20	28.02
10	29.56	31.74	e32.46	34.27	34.78	34.92	35.95	32.08	26.55	28.26	27.44	28.90
15	29.86	31.60	e32.87	34.60	34.94	35.12	35.32	31.40	28.09	28.44	28.60	29.58
20	30.50	31.54	33.14	34.18	34.69	35.17	34.90	25.82	28.00	e26.75	28.66	30.20
25	30.83	31.74	33.49	33.93	34.60	35.34	34.84	27.70	28.58	28.51	28.74	30.48
EOM	31.26	31.76	33.74	34.10	34.75	35.54	34.37	28.48	27.54	29.12	27.54	30.57

e Estimated

TOOELE COUNTY

404023112154001. LOCAL NUMBER, (C-2-4)2ddb-1.
LOCATION.--Lat 40o40'23", long 112o15'40", Hydrologic Unit 16020304.
Owner: Mike Spivey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6in., depth 161 ft.
DATUM.--Elevation of land-surface datum is 4,275 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good except for estimated days, which are poor.
PERIOD OF RECORD.--April 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 31.42 ft below land-surface datum, Nov 8, 9, 1998; lowest, 37.86 ft below land-surface datum, Sep 27-30, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.64	34.79	35.03	35.33	35.61	36.01	36.54	36.83	e37.00	e37.30	37.50	37.70
10	34.67	34.83	35.08	35.37	35.67	36.07	36.63	36.82	e37.05	e37.35	37.55	37.73
15	34.71	34.86	35.14	35.42	35.74	36.22	36.64	36.91	e37.10	e37.38	37.60	37.77
20	34.74	34.89	35.19	35.46	35.80	36.27	36.72	36.89	e37.15	e37.40	37.64	37.81
25	34.76	34.94	35.24	35.51	35.87	36.34	36.72	36.96	e37.20	37.40	37.66	37.85
EOM	34.79	34.98	35.28	35.56	35.94	36.45	36.72	36.98	e37.25	37.46	37.69	37.86

e Estimated

401312112442301. LOCAL NUMBER, (C-7-8)10cbd-1.
LOCATION.--Lat 40°13'12", long 112°44'23", Hydrologic Unit 16020305.
Owner: Dugway Proving Ground.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., depth 175 ft, cased to 175 ft, perforated 115-175 ft.
DATUM.--Elevation of land-surface datum is 4,833.44 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 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	77.59	77.31	76.70	76.22	75.74	75.23	75.12	75.39	76.27	77.05	77.87	78.08
10	77.70	77.24	76.60	76.03	75.58	75.41	75.21	75.45	76.39	77.22	77.95	78.15
15	77.61	77.12	76.60	75.98	75.70	75.26	75.15	75.69	76.51	77.40	78.02	78.25
20	77.61	76.99	76.43	75.89	75.53	75.19	75.25	75.90	76.74	77.57	78.03	78.25
25	77.54	76.91	76.36	75.85	75.54	75.20	75.28	75.93	76.86	77.67	78.00	78.33
EOM	77.40	76.73	76.16	75.79	75.45	75.21	75.40	76.12	76.97	77.86	78.02	78.19

UINTAH COUNTY

403158109372201. LOCAL NUMBER, (D-3-20)25abc-2.
LOCATION.--Lat 40o31'58", long 109o37'22", 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 except for estimated days, which are poor.
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, Jul 5, 1966; lowest, 8.88 ft below land-surface datum, Sep 7, 1989.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.91	6.68	6.50	6.44	6.33	5.88	6.21	6.10	e6.16	e6.04	6.42	6.59
10	6.87	6.66	6.48	6.42	6.28	5.86	6.33	6.11	e6.14	e6.02	6.58	6.61
15	6.86	6.63	6.48	6.37	6.17	5.99	6.28	6.24	e6.12	6.08	6.66	6.77
20	6.80	6.60	6.45	6.29	6.11	6.06	6.33	6.30	e6.10	6.11	6.54	6.86
25	6.77	6.56	6.46	6.28	5.98	6.10	6.29	6.08	e6.08	6.15	6.64	6.45
EOM	6.71	6.52	6.46	6.27	5.94	6.13	6.37	e6.14	e6.06	6.32	6.56	6.50

e Estimated

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, 107.52 ft below land-surface datum, April 14, 15, 18, 2000; lowest, 141.41 ft below land-surface datum, Aug 15, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	108.41	108.32	108.11	108.18	108.00	107.83	107.60	107.57	107.76	107.70	107.80	107.70
10	108.47	108.29	108.01	108.13	107.91	107.82	107.61	107.54	107.72	107.75	107.79	107.70
15	108.44	108.26	108.05	108.18	107.87	107.74	107.52	107.62	107.76	107.79	107.82	107.75
20	108.58	108.17	108.07	108.09	107.93	107.66	107.62	107.72	107.77	107.80	107.80	107.69
25	108.49	108.18	108.22	108.01	107.84	107.68	107.62	107.67	107.76	107.79	107.83	107.72
EOM	108.40	108.13	108.11	108.01	107.90	107.64	107.65	107.69	107.73	107.80	107.66	107.70

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, 3.40 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping. Records good.
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.

GROUND-WATER LEVELS

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.65	16.07	14.27	13.27	13.05	12.58	14.15	17.96	21.58	26.14	30.29	23.00
10	15.89	16.95	13.93	13.00	12.74	12.75	16.18	16.72	23.82	26.62	28.17	23.00
15	15.92	16.36	13.98	13.01	12.69	12.53	16.81	17.75	24.28	26.85	27.92	23.54
20	16.53	16.05	13.75	12.93	12.64	12.43	15.44	19.09	24.95	25.86	25.86	24.48
25	17.45	15.70	13.67	12.83	12.51	12.55	14.74	20.15	24.89	31.18	26.09	22.66
EOM	16.43	15.06	13.28	12.88	12.56	12.93	15.44	18.87	25.92	31.53	24.68	22.33

e Estimated

WASATCH COUNTY

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 1966, 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, Jul 06, 1989; lowest, 17.16 ft below land-surface datum Feb 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.11	DEC 22	13.90	FEB 29	15.79	APR 25	14.99	JUN 26	12.78	AUG 31	12.83
NOV 23	12.79	FEB 01	15.65	MAR 22	16.07	MAY 30	13.56	JUL 27	12.78	SEP 19	12.93

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, Jun 28, 1993; lowest, 23.89 ft below land-surface datum, Mar 20, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.58	DEC 22	5.42	FEB 29	4.44	APR 25	4.74	JUN 26	4.03	AUG 31	5.88
NOV 23	5.44	FEB 01	5.23	MAR 22	5.09	MAY 30	2.93	JUL 27	5.36	SEP 19	6.01

WASATCH COUNTY--Continued

403325111254601. LOCAL NUMBER, (D-3-5)18cba-1.
LOCATION.--Lat 40°33'25", long 111°25'46", Hydrologic Unit 16020203.
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, 9.33 ft below land-surface datum, Jun 22, 1998; lowest, 28.24 ft below land-surface datum, Aug 02, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	15.49	DEC 22	18.99	FEB 29	20.08	APR 25	22.04	JUN 26	15.10	AUG 31	16.16
NOV 23	18.16	FEB 01	19.73	MAR 22	20.31	MAY 30	13.39	JUL 27	16.42	SEP 19	17.50

403305111251901. LOCAL NUMBER, (D-3-5)18dcc-2.
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 plug hole in cap, 2.95 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, 86.74 ft below land-surface datum, Sep 22, 1999; lowest, 100.39 ft below land-surface datum, Apr 25, 2000.

GROUND-WATER LEVELS

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	91.08	DEC 22	95.72	FEB 29	98.08	APR 25	100.39	AUG 31	90.79		
NOV 23	94.63	FEB 01	97.98	MAR 22	98.28	MAY 30	86.79	SEP 19	90.54		

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, 25.64 ft below land-surface datum, Feb 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	24.46	DEC 22	23.75	FEB 29	24.39	APR 25	23.30	JUN 26	18.03	AUG 31	19.69
NOV 23	23.01	FEB 01	24.44	MAR 22	25.20	MAY 30	17.23	JUL 27	17.93	SEP 19	18.86

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, 1.0 ft above land-surface datum.
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, Sep 13, 1974; lowest, 11.14 ft below land-surface datum, Mar 31, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.24	DEC 22	9.61	MAR 01	10.04	APR 25	9.67	JUN 26	3.38	AUG 23	3.94
NOV 29	8.83	FEB 01	9.62	22	10.44	MAY 30	4.22	JUL 26	2.33	SEP 19	4.70

WASATCH COUNTY--Continued

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, 0.13 ft below land-surface datum, Jun 26, 2000; lowest, 3.10 ft below land-surface datum, Oct 24, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.03	DEC 22	2.87	FEB 29	1.67	APR 25	1.67	JUN 26	.13	AUG 31	2.68
NOV 23	3.06	FEB 01	1.88	MAR 22	2.51	MAY 30	1.90	JUL 27	.57	SEP 19	3.03

403004111280301. LOCAL NUMBER, (D-4-4)2bcd-1.
LOCATION.--Lat 40°30'04", long 111°28'03", Hydrologic Unit 16020203.
Owner: Clark 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 hole in casing, 5.02 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, Jun 05, 1995; lowest, 52.22 ft below land-surface datum, Mar 22, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	49.11	DEC 22	50.38	FEB 29	50.14	APR 25	49.59	JUN 26	48.14	AUG 31	49.51
NOV 23	50.12	FEB 01	50.14	MAR 22	50.87	MAY 30	48.21	JUL 18	49.26	SEP 19	49.67

402937111283501. LOCAL NUMBER, (D-4-4)3dcd-1.
LOCATION.--Lat 40°29'37", long 111°28'35", Hydrologic Unit 16020203.
Owner: Deer Creek Meadows, LLC
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, Jul, 05 1995; lowest, 14.19 ft below land-surface datum, Mar 24, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.34	DEC 22	12.91	FEB 29	13.30	APR 25	13.02	JUN 26	11.41	AUG 31	12.14
NOV 23	12.83	FEB 01	12.92	MAR 22	13.73	MAY 30	12.04	JUL 27	12.52	SEP 19	11.86

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, Jun 28, 1993; lowest, 3.99 ft below land-surface datum, Aug 02, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.34	DEC 22	3.19	FEB 29	2.74	APR 25	3.28	JUN 26	3.44	AUG 31	3.53
NOV 23	3.39	FEB 01	3.77	MAR 22	3.04	MAY 30	2.98	JUL 27	3.64	SEP 19	3.85

WASATCH COUNTY--Continued

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, Jul 03, 1950; lowest, 70.31 ft below land-surface datum, Mar 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	54.96	DEC 22	61.86	FEB 29	65.71	APR 25	64.11	JUN 26	45.18	AUG 31	55.62
NOV 23	59.77	FEB 01	64.39	MAR 22	66.93	MAY 30	50.51	JUL 18	47.05	SEP 19	56.67

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 timber over well, .82 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, 6.68 ft below land-surface datum, Jun 28, 1993; lowest, 23.37 ft below land-surface datum, Feb 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.12	DEC 22	17.48	FEB 29	13.91	APR 25	16.68	JUN 26	13.00	AUG 31	19.85
NOV 23	19.09	FEB 01	13.84	MAR 22	15.44	MAY 30	14.65	JUL 27	15.75	SEP 19	19.31

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, 12.88 ft below land-surface datum, Jun 26, 1997; lowest, 40.70 ft below land-surface datum, Mar 01, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	26.43	DEC 29	33.20	MAR 01	40.70	APR 27	30.16	JUN 27	16.80	AUG 23	22.42
NOV 23	30.83	FEB 02	35.51	22	39.99	MAY 31	17.82	JUL 26	15.63	SEP 20	27.06

402946111233901. LOCAL NUMBER, (D-4-5)4ccb-1.
LOCATION.--Lat 40°29'46", long 111°23'39", Hydrologic Unit 16020203.
Owner: Dan Giles.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERSISTICS.--Diameter 6 in., depth 217 ft.
DATUM.--Elevation of land-surface datum is 5,700 ft above sea level. Measuring point: Top of plug hole in cap 1.75 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--February 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.45 ft below land-surface datum, Aug 25, 1998; lowest, 154.89 ft below land-surface datum, Mar 01, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	128.91	DEC 29	144.90	MAR 01	154.89	APR 27	147.80	JUN 27	p	AUG 10	117.92
NOV 23	137.33	FEB 02	153.14	22	150.89	MAY 31	130.91	JUL 26	115.74	SEP 20	133.80

p Pumping

WASATCH COUNTY--Continued

402842111223601. LOCAL NUMBER, (D-4-5)4ddd-1.
LOCATION.--Lat 40°28'42", long 111°22'36", Hydrologic Unit 16020203.
Owner: Tressa McDonald Mair.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,798 ft above sea level. Measuring point: Top of door covering well, 0.1 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1939, September 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.88 ft below land-surface datum, Jun 22, 1998; lowest, 47.12 ft below land-surface datum, Mar 19, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	28.35	DEC 29	40.66	MAR 01	44.62	APR 27	27.50	JUN 27	20.10	AUG 10	21.40
NOV 23	28.23	FEB 02	44.08	22	40.99	MAY 31	16.43	JUL 27	17.73	SEP 19	32.44

403022111240801. LOCAL NUMBER, (D-4-5)5abb-1.
LOCATION.--Lat 40°30'22", long 111°24'08", Hydrologic Unit 16020203.
Owner: Heber City Corporation.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 12 in., depth 375 ft.
DATUM.--Elevation of land-surface datum is 5,640 ft above sea level. Measuring point: Top of hole in cap 1.85 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.99 ft below land-surface datum, Sep 21, 1998; lowest 42.05 ft below land-surface datum, Jul 20, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	18.20	FEB 01	23.69	APR 25	37.35	JUL 27	p	SEP 19	p		
NOV 23	19.54	29	24.11	MAY 31	p	AUG 23	p				
DEC 22	21.55	MAR 29	24.77	JUN 26	p	31	31.21				

p Pumping

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, Jul 19, 1996; lowest, 37.48 ft below land-surface datum, Mar 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.79	DEC 22	27.62	FEB 29	34.85	APR 25	35.88	JUN 26	19.20	AUG 31	22.53
NOV 23	24.11	FEB 01	31.86	MAR 22	35.43	MAY 30	25.67	JUL 18	16.45	SEP 19	22.04

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, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	82.48	DEC 22	97.34	FEB 29	109.80	APR 25	113.59	JUN 26	83.57	AUG 23	83.07
NOV 23	90.37	FEB 01	105.25	MAR 22	111.78	MAY 30	97.73	JUL 27	79.19	SEP 19	88.74

WASATCH COUNTY--Continued

402857111245601. LOCAL NUMBER, (D-4-5)7dad-1.
LOCATION.--Lat 40°28'57", long°111 24'56", Hydrologic Unit 16020203.
Owner: Wayne Foy.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., depth 160 ft.
DATUM.--Elevation of land-surface datum is 5,660 ft above sea level. Measuring point: Top of casing, 1.95 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 84.59 ft below land-surface datum, Aug 24, 1998; lowest, 143.22 ft below land-surface datum, Apr 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	107.45	DEC 22	124.64	FEB 29	138.35	APR 25	143.22	JUN 26	111.52	AUG 23	108.12
NOV 23	116.62	FEB 01	133.65	MAR 22	140.85	MAY 30	127.96	JUL 27	103.20	SEP 19	114.88

402904111225801. LOCAL NUMBER, (D-4-5)9dbb-1.
LOCATION.--Lat 40°29'04", long 111°22'58", Hydrologic Unit 16020203.
Owner: Ernest Blodgett.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 8 in., depth 320 ft.
DATUM.--Elevation of land-surface datum is 5,770 ft above sea level. Measuring point: Top of casing, 1.4 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--February 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 148.50 ft below land-surface datum, Jul 29, 1997; lowest, 211.09 ft below land-surface datum, May 18, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	195.70	DEC 29	165.06	MAR 01	165.86	APR 27	174.96	JUN 27	158.38	AUG 10	199.40
NOV 29	163.48	FEB 02	165.66	29	166.28	MAY 31	162.07	JUL 27	p	SEP 20	166.50

p Pumping

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, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	18.21	DEC 29	17.87	MAR 01	21.02	APR 27	19.93	JUN 27	18.45	AUG 23	19.38
NOV 29	19.41	FEB 02	19.20	29	20.17	MAY 31	19.26	JUL 26	18.16	SEP 20	19.86

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, Jun 19, 1996; lowest, 137.37 ft below land-surface datum, Apr 21, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	124.30	DEC 29	130.93	MAR 01	132.84	APR 27	134.38	JUN 27	129.67	AUG 23	128.60
NOV 29	128.57	FEB 02	131.17	29	133.71	MAY 31	131.38	JUL 26	127.81	SEP 20	131.17

WASATCH COUNTY--Continued

402840111232201. LOCAL NUMBER (D-4-5)16bab-1.
LOCATION.--Lat 40°28'40", long 111°23'22", Hydologic Unit 16020203.
Owner: Randy Wade.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,780 ft above sea level. Measuring point: Top of casing, 0.55 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--February 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 184.65 ft below land-surface datum, Aug 21, 1997; lowest, 239.29 ft below land-surface datum, Mar 27, 1997.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	209.03	DEC 29	226.83	MAR 01	238.78	APR 27	237.35	JUN 27	217.38	AUG 10	203.84
NOV 29	218.39	FEB 02	231.63	29	236.57	MAY 31	234.87	JUL 27	205.11	SEP 20	217.28

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, Sep 25, 1996; lowest, 104.01 ft below land-surface datum, Dec 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	90.95	DEC 22	104.01	FEB 29	97.65	APR 25	87.90	JUN 26	92.09	AUG 23	83.97
NOV 23	98.52	FEB 01	94.63	MAR 22	97.48	MAY 30	91.39	JUL 18	91.25	SEP 19	87.91

402810111241601. LOCAL NUMBER (D-4-5)17caa-1.
LOCATION.--Lat 40°28'10", long 111°24'16", Hydrologic Unit 16020203.
Owner: Dennis Tack.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.-- Diameter 6 in., depth 265 ft.
DATUM.--Elevation of land-surface datum is 5,770 ft above sea level. Measuring point: Top of casing, 1.5 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1997 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 210.49 ft below land-surface datum, Aug 24, 1998; lowest, 255.32 ft below land-surface datum, Apr 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	232.80	DEC 22	241.33	FEB 29	250.94	APR 25	255.32	JUN 26	236.04	AUG 23	234.62
NOV 23	235.97	FEB 01	247.51	MAR 22	253.36	MAY 30	244.21	JUL 27	234.16	SEP 19	239.12

402813111253701. LOCAL NUMBER (D-4-5)18cab-1.
LOCATION.--Lat 40°28'13", long 111°25'37", Hydrologic Unit 16020203.
Owner: Susan Miller.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.-- Diameter 6 in., depth 206 ft.
DATUM.--Elevation of land-surface datum is 5,660 ft above mean sea level. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--April 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 125.15 ft below land-surface datum, Jul 28, 1998; lowest, 162.68 ft below land-surface datum, Mar 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	147.30	DEC 22	156.69	FEB 29	160.42	APR 25	161.23	JUN 26	137.05	AUG 23	149.07
NOV 23	153.25	FEB 01	159.09	MAR 22	162.68	MAY 30	142.17	JUL 18	134.77	SEP 19	151.65

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, Jun 5, 1985; lowest, 34.96 ft below land-surface datum, Nov 30, 1956.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.87	22.76	22.71	22.57	23.16	22.03	22.53	21.65	18.33	23.11	27.25	25.68
10	20.79	23.01	23.39	23.36	23.40	21.92	22.65	20.87	20.10	24.34	27.53	27.25
15	21.09	23.00	22.94	23.48	22.40	21.78	22.51	17.01	19.71	24.64	27.55	28.72
20	20.91	22.79	22.57	23.16	22.59	21.69	21.64	16.59	19.96	25.76	27.88	29.68
25	23.26	22.86	22.95	23.05	22.29	21.82	20.22	18.06	22.19	26.30	27.55	29.75
EOM	22.66	22.61	23.90	23.08	22.51	22.30	21.55	16.96	23.35	26.73	26.72	29.96

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 except for estimated days, which are fair.
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, Sep 2, 3, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.50	15.20	13.47	12.30	e11.47	10.95	e10.87	11.01	12.03	14.26	16.56	18.70
10	15.60	14.92	13.17	12.06	e11.37	10.95	e10.74	11.17	12.22	14.62	16.96	18.97
15	15.70	14.65	12.96	11.93	e11.26	e10.98	e10.66	11.36	12.69	14.99	17.31	19.14
20	15.86	14.33	12.84	11.79	e11.16	e11.00	e10.68	11.50	13.15	15.32	17.63	19.20
25	15.74	14.06	12.77	11.65	e11.05	e11.03	e10.75	11.61	13.62	15.66	17.95	19.28
EOM	15.48	13.78	12.49	e11.58	e10.97	e10.96	e10.88	11.79	13.96	16.12	18.36	19.32

e Estimated

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				BEAVER COUNTY						
383101112365301	(C-26-7)26cac-1	100VLFL	250.00	05-31-00	600	7.5	14.5	--	--	--
382924112592901	(C-28-10) 5add-1	100VLFL	305.00	07-11-00	860	7.4	17.5	--	--	--
		100VLFL	305.00	07-11-00	860	7.4	17.5	--	--	--
382336112592601	(C-28-10) 8add-2	100VLFL	200.00	07-11-00	810	7.4	16.0	--	--	--
382019112591701	(C-28-10)28ccc-1	100VLFL	316.00	07-12-00	1520	7.4	15.0	620	130	70
382313113020901	(C-28-11)12dbc-2	100VLFL	460.00	07-11-00	2200	7.2	18.0	--	--	--
382020113015701	(C-28-11)25dcd-1	100VLFL	431.00	07-12-00	740	7.5	20.5	250	67	19
382020113014202	(C-28-11)25ddd-2	100VLFL	150.00	08-10-00	--	--	--	--	--	--
381625112412901	(C-29-7)19bcd-1	100VLFL	256.00	05-31-00	470	7.5	13.5	--	--	--
381516112422201	(C-29-8)25cac-1	100VLFL	250.00	03-07-00	--	--	19.5	--	--	--
		100VLFL	250.00	05-31-00	290	8.5	20.0	--	--	--
381435112471401	(C-29-8)31add-1	100VLFL	310.00	05-31-00	750	7.5	14.0	--	--	--
381900112592601	(C-29-10) 5add-1	100VLFL	310.00	08-08-00	1450	7.9	16.0	--	--	--
381835113000001	(C-29-10) 5cdd-2	100VLFL	95.00	08-07-00	970	7.4	14.0	--	--	--
381835112594201	(C-29-10) 5dcd-1	100VLFL	320.00	08-08-00	1100	7.4	13.0	--	--	--
381835113010101	(C-29-10) 6dcc-1	100VLFL	258.00	08-07-00	910	7.3	14.0	--	--	--
381714113003401	(C-29-10)18daa-1	100VLFL	298.00	07-12-00	460	7.8	13.5	--	--	--
381649113005001	(C-29-10)18dcd-1	100VLFL	375.00	08-09-00	890	7.8	16.5	--	--	--
381649113003401	(C-29-10)18ddd-1	100VLFL	166.00	08-09-00	850	7.8	16.0	--	--	--
381901113014101	(C-29-11) 1add-1	100VLFL	64.00	07-12-00	1020	7.3	14.0	--	--	--
381835113014001	(C-29-11) 1ddd-1	100VLFL	210.00	08-10-00	285	8.2	18.5	--	--	--
381806113021401	(C-29-11)12caa-1	100VLFL	312.00	08-10-00	1050	7.4	14.5	--	--	--
381742113015301	(C-29-11)12ddc-1	100VLFL	240.00	07-11-00	360	8.1	21.0	--	--	--
381743113015601	(C-29-11)12ddc-1	100ALVM	--	07-11-00	360	8.1	21.0	--	--	--
381742113014101	(C-29-11)12ddd-1	100VLFL	232.00	08-09-00	1110	7.6	16.0	--	--	--
381700113033401	(C-29-11)14cdb-1	100VLFL	--	07-11-00	490	7.9	18.5	--	--	--
381543113035501	(C-29-11)27aad-1	100VLFL	204.00	07-12-00	850	7.2	16.0	--	--	--
				BOX ELDER COUNTY						
412214112023301	(B-7-2) 2cba-5	100VLFL	342.00	07-11-00	450	7.4	12.5	--	--	--
412405112022501	(B-8-2)26bcd-1	100VLFL	118.00	07-11-00	200	7.5	14.5	--	--	--
413057112023901	(B-9-2)15daa-1	100VLFL	465.00	07-11-00	630	8.5	16.5	9	2.0	.86
413300113543001	(B-10-18)33aaa-1	100VLFL	84.00	07-27-00	1500	7.4	13.5	--	--	--
413806113543401	(B-11-18)33adb-1	100VLFL	200.00	07-27-00	1060	7.6	11.5	370	98	31
414618112164101	(B-12-4)14cbc-1	--	35.00	07-07-00	1310	--	17.0	--	--	--
414510112163501	(B-12-4)26bbb-1	100VLFL	680.00	07-07-00	2430	--	14.0	--	--	--
414418112154801	(B-12-4)35aab-1	--	651.00	07-07-00	2400	--	15.0	--	--	--
414745113063901	(B-12-11) 4bcc-1	100VLFL	230.00	07-12-00	8750	7.6	19.5	1800	410	184
414813113075401	(B-12-11) 5bbb-1	100VLFL	245.00	07-12-00	2970	7.6	18.0	1100	300	75
414747113073701	(B-12-11) 5bdc-1	--	190.00	07-26-00	4110	7.6	16.0	1400	400	99
414710113071601	(B-12-11) 8abb-1	--	275.00	07-12-00	3540	7.4	16.0	1300	370	90
415320112290901	(B-13-6) 1dbb-1	--	704.00	07-11-00	790	7.8	20.0	300	86	21
415737112431601	(B-14-8)11bca-1	100VLFL	416.00	07-12-00	3170	7.9	16.0	--	--	--
415847112540401	(B-14-9) 5bbb-1	100VLFL	300.00	07-11-00	1050	7.9	17.0	--	--	--
415635112533001	(B-14-9)17caa-1	--	608.00	07-26-00	3090	--	19.5	--	--	--
415845112562201	(B-14-10) 1bbb-1	100VLFL	414.00	07-11-00	600	7.9	16.5	--	--	--
415918112530801	(B-15-9)32dab-1	--	400.00	07-26-00	5240	--	21.5	--	--	--
415941112495801	(B-15-9)35abb-1	--	404.00	07-26-00	3240	--	24.0	--	--	--
415954112555201	(B-15-10)25cad-1	--	--	07-26-00	580	--	16.5	--	--	--
415939112562201	(B-15-10)36bbb-1	100VLFL	613.00	07-11-00	500	7.9	16.0	190	56	12
				CACHE COUNTY						
414216111511001	(A-11-1) 8dda-3	100VLFL	85.00	06-29-00	525	7.4	10.5	250	62	24
				DAVIS COUNTY						
405351111540803	(B-2-1)24bad-3	100VLFL	386.00	07-11-00	530	7.8	15.5	130	38	8.9
410340112030001	(B-4-2)27aba-1	--	304.00	07-11-00	620	8.0	14.5	--	--	--
410354112135201	(B-4-3)19caa-1	--	430.00	08-08-00	1300	7.9	--	--	--	--
410830111585101	(B-5-1)29bdc-1	--	627.00	08-08-00	590	7.5	11.5	--	--	--

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							
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63	4.5	128	330	210	.40	39	946	3.34	<.050	<10	<2.2	153
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44	3.7	117	130	69	.59	34	438	.593	<.050	<10	<2.2	91
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STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				DUCHESNE COUNTY						
402114110003301	U(C-1-1)33bcc-1	--	220.00	08-04-00	1730	7.8	16.0	--	--	--
		--	220.00	09-06-00	1860	7.5	15.5	--	--	--
402246110061501	U(C-1-2)22cbb-1	123DCRV	810.00	08-04-00	395	7.4	24.0	--	--	--
		123DCRV	810.00	09-06-00	385	7.7	20.5	--	--	--
402319110025601	U(C-1-2)24aaa-1	--	260.00	08-04-00	350	7.7	16.5	--	--	--
		--	260.00	09-06-00	350	7.7	15.5	--	--	--
402135110051901	U(C-1-2)27ddc-1	--	420.00	08-04-00	340	7.6	22.0	--	--	--
		--	420.00	09-06-00	340	7.5	17.0	--	--	--
402116110030801	U(C-1-2)36adc-1	--	170.00	08-03-00	335	7.8	18.0	--	--	--
		--	170.00	09-07-00	340	7.8	12.0	--	--	--
402130110231301	U(C-1-4)31bbb-1	--	--	08-03-00	850	7.2	22.5	--	--	--
		--	--	09-07-00	830	7.3	12.5	--	--	--
401940110023601	U(C-2-1) 7bbd-1	--	820.00	08-03-00	420	8.1	15.5	--	--	--
		--	820.00	09-07-00	430	8.1	14.5	--	--	--
401823109590401	U(C-2-1)15cac-1	124UINT	600.00	08-04-00	550	9.0	15.5	--	--	--
		124UINT	600.00	09-06-00	550	9.0	17.0	--	--	--
401819110041601	U(C-2-2)14ddb-1	--	465.00	08-03-00	400	7.9	16.0	--	--	--
		--	465.00	09-07-00	400	7.9	15.5	--	--	--
401613110260701	U(C-2-5)34abb-1	--	148.00	08-03-00	660	9.3	24.5	--	--	--
		--	148.00	09-07-00	670	9.5	12.0	--	--	--
				IRON COUNTY						
375257112483501	(C-33-8)31ccc-1	100VLFL	450.00	06-02-00	480	7.6	15.0	--	--	--
375320112510003	(C-33-9)35acd-3	100VLFL	880.00	06-14-00	475	7.7	14.5	210	43	24
375147112530001	(C-34-9) 9bca-1	--	--	06-14-00	560	7.4	12.0	270	56	32
375006112554801	(C-34-10)24abc-1	100VLFL	135.00	06-02-00	540	7.8	17.0	240	47	29
374834113384301	(C-34-16)28dcc-2	100VLFL	148.00	07-31-00	1150	7.6	12.5	440	140	25
374753113464601	(C-34-17)32cca-1	100VLFL	306.00	07-31-00	620	7.5	20.0	240	77	11
374619113053101	(C-35-11) 9dba-1	100VLFL	500.00	06-12-00	640	7.9	14.5	--	--	--
374550113040601	(C-35-11)11ccc-1	100VLFL	450.00	07-25-00	950	7.8	15.0	430	83	55
374248113075201	(C-35-11)31dbd-1	100VLFL	298.00	06-12-00	870	8.2	14.5	440	87	54
374649113305801	(C-35-15) 3dcc-3	--	316.00	07-31-00	1270	7.6	14.0	480	120	47
374623113381301	(C-35-16) 9add-1	100VLFL	150.00	07-31-00	530	7.5	13.0	--	--	--
374412113384503	(C-35-16)21dcc-3	100VLFL	300.00	08-21-00	430	7.6	14.5	170	52	9.7
374122113034801	(C-36-11)11bac-1	100VLFL	644.00	07-25-00	2190	7.4	16.5	1300	290	147
374105113085001	(C-36-12)12dba-1	100VLFL	600.00	06-13-00	590	7.7	16.0	--	--	--
373743113084201	(C-36-12)36adb-1	100VLFL	307.00	07-25-00	880	7.1	14.5	450	110	42
374209113322203	(C-36-15) 4bad-3	100VLFL	320.00	08-21-00	760	7.7	21.0	120	39	6.5
374040113343102	(C-36-15) 7cdd-2	100VLFL	500.00	08-21-00	970	8.0	24.0	--	--	--
374014113391101	(C-36-16) 9bcd-2	100VLFL	--	08-01-00	450	7.6	14.5	--	--	--
373854113411501	(C-36-16)19abb-1	100VLFL	352.00	08-21-00	470	7.5	11.5	--	--	--
373656113415201	(C-36-17)36aad-1	100VLFL	363.00	08-01-00	490	7.5	11.0	--	--	--
373542113122401	(C-37-12) 9acc-1	100VLFL	186.00	06-13-00	380	7.9	18.0	--	--	--
373409113095501	(C-37-12)23abd-1	100VLFL	276.00	07-25-00	650	7.5	17.0	--	--	--
373236113111401	(C-37-12)34abb-1	100VLFL	190.00	06-13-00	810	7.1	11.0	410	100	35
				JUAB COUNTY						
394545111531001	(C-12-1)24baa-1	100VLFL	66.00	06-14-00	1310	6.9	13.0	--	--	--
393401112421801	(C-14-8)25ccc-1	--	553.00	03-17-00	2080	--	12.0	--	--	--
395245111502501	(D-11-1) 9bbb-2	100VLFL	70.00	06-14-00	500	--	12.0	--	--	--
395101111510001	(D-11-1)17cdd-1	--	392.00	06-26-00	470	--	12.5	--	--	--
395100111503501	(D-11-1)20aab-1	100VLFL	311.00	06-26-00	600	--	12.0	--	--	--
394518111515801	(D-12-1)19dbb-1	100VLFL	248.00	06-14-00	1260	6.6	12.0	--	--	--
394225111495701	(D-13-1) 4cca-1	100VLFL	371.00	06-14-00	1490	6.7	11.5	--	--	--
394137111515001	(D-13-1) 7dbc-1	--	210.00	06-14-00	1470	6.8	12.0	--	--	--
393336111582801	(D-14-1)30dcb-1	--	550.00	06-27-00	1140	--	14.0	--	--	--
393312111521001	(D-14-1)31bcb-1	100VLFL	472.00	06-27-00	1190	--	12.5	--	--	--
393154111520301	(D-15-1) 6cab-1	100VLFL	315.00	06-27-00	1900	--	13.0	--	--	--
				KANE COUNTY						
371739112200201	R (C-40-4)32bad-1	100VLFL	135.00	08-02-00	1170	7.3	12.0	570	110	71
370843112340602	(C-42-6)19bdc-2	220NVJO	250.00	08-02-00	260	7.9	13.5	120	24	15
370050112274501	(C-44-5) 6cbb-1	--	--	08-02-00	2580	7.3	16.5	--	--	--

GEOLOGICAL UNIT (AQUIFER)

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					DUCHESNE COUNTY							
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					IRON COUNTY							
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15	2.8	190	22	18	.14	28	276	2.21	<.050	<10	<2.2	25
10	3.1	238	39	13	.12	29	336	2.36	<.050	<10	<2.2	29
18	4.5	205	30	33	.31	43	327	--	--	<10	<2.2	56
35	8.5	127	100	210	.55	65	664	1.84	<.050	<10	<2.2	87
28	9.0	162	81	45	.37	71	426	1.38	<.050	<10	<2.2	163
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29	4.3	165	260	37	.23	35	644	10.4	<.050	<10	<2.2	60
10	2.3	139	290	16	.23	22	578	2.17	<.050	<10	<2.2	31
64	5.3	130	290	150	.40	57	816	1.14	<.050	<10	3.2	215
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14	4.8	157	15	27	.30	53	271	--	--	<10	<2.2	30
36	4.2	242	1100	29	.23	23	1820	6.51	<.050	<30	<2.2	270
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15	1.9	306	180	7.2	.11	20	570	1.98	<.050	<10	<2.2	86
107	4.7	167	140	41	1.6	57	503	1.43	<.050	18	<2.2	279
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15	2.0	315	120	7.3	.19	18	497	1.10	<.050	<10	<2.2	57
					JUAB COUNTY							
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					KANE COUNTY							
42	7.0	311	340	10	.50	11	784	.278	<.050	<10	<2.2	116
3.4	2.1	117	5.6	3.5	<.10	15	149	2.39	<.050	<10	<2.2	32
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA,MG) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				MILLARD COUNTY						
393154112192901	(C-15-4) 8cba-1	100VLFL	203.00	06-27-00	3410	7.1	15.0	1100	240	120
392948112195102	(C-15-4)19ccc-2	--	63.10	03-15-00	10500	--	13.0	--	--	--
392859112154601	(C-15-4)26dcc-1	100VLFL	660.00	06-28-00	900	7.4	15.5	370	99	30
392801112342301	(C-15-6)31ccc-1	--	195.00	03-17-00	580	--	14.5	--	--	--
392752112362401	(C-15-7)35bcd-1	--	620.00	06-28-00	730	--	17.5	--	--	--
392819112352901	(C-15-7)36cbb-1	--	420.00	03-17-00	530	--	15.0	--	--	--
		--	420.00	06-28-00	530	--	15.5	--	--	--
392938112411201	(C-15-8)25aaa-1	100VLFL	285.00	03-17-00	920	--	12.5	--	--	--
392555112203001	(C-16-4)18bda-1	100VLFL	375.00	06-28-00	1460	--	17.0	--	--	--
392344112200701	(C-16-4)30dbd-1	100VLFL	414.00	06-28-00	1060	--	15.0	--	--	--
392614112335101	(C-16-6) 7dbc-1	--	104.00	03-17-00	540	--	14.0	--	--	--
392650112345101	(C-16-7) 1dcd-1	100VLFL	132.00	03-17-00	640	--	12.5	--	--	--
392636112372401	(C-16-7)10bad-1	100VLFL	919.00	06-28-00	415	--	18.0	--	--	--
392558112364001	(C-16-7)11ccd-1	--	729.00	06-28-00	450	--	18.0	--	--	--
392558112345301	(C-16-7)12dcd-4	--	180.00	03-17-00	520	--	14.0	--	--	--
392558112345302	(C-16-7)12dcd-5	--	704.00	03-17-00	440	--	16.0	--	--	--
391716112314501	(C-17-6)33dcc-1	--	217.00	03-15-00	390	--	16.0	--	--	--
391951112415401	(C-17-8)13cdd-1	--	150.00	03-16-00	840	--	14.0	--	--	--
392141113585601	(C-17-19) 4add-2	100VLFL	760.00	07-19-00	465	7.9	15.0	160	40	16
391714112300301	(C-18-6) 2bbb-2	100VLFL	246.00	03-15-00	620	--	15.0	--	--	--
391553112332601	(C-18-6) 8cbb-1	100VLFL	260.00	03-16-00	420	--	16.0	--	--	--
391623112412601	(C-18-8) 1ddd-1	100VLFL	605.00	03-16-00	2340	--	18.5	--	--	--
391420112412001	(C-18-8)24ada-2	100VLFL	601.00	03-16-00	3490	--	19.5	--	--	--
390758112194601	(C-19-4)29bcd-1	100VLFL	390.00	06-06-00	1010	7.4	14.5	410	89	46
385939112272303	(C-21-5) 7cdd-3	--	--	06-06-00	1420	7.1	12.5	490	110	54
390005112262301	(C-21-5) 8bdc-2	100VLFL	407.00	06-06-00	860	7.5	18.5	320	71	34
385714112264701	(C-21-5)29cbc-1	100VLFL	900.00	07-20-00	2230	7.3	20.0	--	--	--
385715112271201	(C-21-5)30dbc-3	100VLFL	773.00	07-20-00	1760	7.2	20.0	580	140	55
390045112281201	(C-21-6) 1ddb-1	100VLFL	105.00	06-06-00	1820	7.1	13.5	--	--	--
385511112243501	(C-22-5)10bbb-2	--	338.00	06-07-00	1360	7.2	16.5	360	98	29
385303112234801	(C-22-5)22adc-2	100VLFL	260.00	06-07-00	1280	7.2	15.5	340	87	29
385135112250301	(C-22-5)33abd-1	100VLFL	375.00	06-07-00	940	7.7	14.0	--	--	--
385615114013801	(C-22-19) 6bac-1	100VLFL	395.00	07-19-00	530	7.6	11.5	260	68	22
385026112261001	(C-23-5) 5acd-1	100VLFL	353.00	06-07-00	770	7.7	14.0	300	77	27
				PIUTE COUNTY						
381440111584001	(C-29-2)35bad-1	122BRHD	197.00	07-25-00	440	7.5	24.0	--	--	--
381003112010301	(C-30-2)28bdc-1	--	135.00	07-25-00	440	7.9	12.5	--	--	--
				RICH COUNTY						
415048111194001	(A-13-6)30bbb-1	--	125.00	06-29-00	430	7.8	14.5	200	48	20
				SALT LAKE COUNTY						
404306112031201	(C-1-2)22bdd-4	100VLFL	35.00	06-21-00	2000	7.6	12.5	--	--	--
404045111594201	(C-2-1) 6abc-4	100VLFL	440.00	06-21-00	2520	7.4	16.5	--	--	--
403658111542701	(C-2-1)25cbb-1	100VLFL	680.00	06-21-00	640	7.8	19.0	220	56	20
403637112005201	(C-2-2)25cdd-1	100VLFL	308.00	06-20-00	1430	7.3	14.0	510	110	55
403533111570701	(C-3-1) 4aac-1	110VLFL	491.00	06-20-00	1080	7.3	16.0	--	--	--
403408111543201	(C-3-1)12ccb-1	100VLFL	118.00	06-20-00	910	7.5	19.5	--	--	--
402721111550801	(C-4-1)23dbb-1	100VLFL	262.00	06-20-00	910	7.4	14.0	--	--	--
403027112012401	(C-4-2) 1bbb-1	100VLFL	540.00	06-20-00	1290	7.5	14.5	500	140	36
404506111523301	(D-1-1) 7abd-6	100VLFL	130.00	06-21-00	1280	7.2	14.0	560	130	54
404253111530901	(D-1-1)19cdb-17	100VLFL	500.00	06-21-00	1040	7.2	13.5	--	--	--
404040111503301	(D-2-1) 4acb-1	100VLFL	230.00	06-20-00	1400	7.1	13.0	--	--	--
403332111485001	(D-2-1)35bbb-1	100VLFL	238.00	06-20-00	345	7.4	13.5	--	--	--
403252111522501	(D-3-1)19ada-1	100VLFL	177.00	06-20-00	1600	7.3	17.0	--	--	--
403116111524801	(D-3-1)31abb-1	100VLFL	138.00	06-20-00	450	7.3	14.5	--	--	--
				SAN JUAN COUNTY						
371716109325501	(D-40-22)30bbb-1	220JRSC	825.00	03-13-00	810	9.0	19.5	--	--	--
371621109211001	(D-40-23)27baa-1	220JRSC	672.00	03-13-00	3000	7.8	19.0	91	22	8.7
				SANPETE COUNTY						
390819111530701	(C-19-1)23cac-1	110ALVM	--	07-26-00	2650	7.2	12.0	--	--	--
392740111345301	(D-16-3) 4aaa-1	100VLFL	160.00	08-29-00	1110	7.2	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 PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					MILLARD COUNTY							
338	8.2	371	530	670	.20	29	2160	.991	<.050	150	483	439
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39	1.6	167	140	82	.18	11	555	11.1	<.050	<10	<2.2	52
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34	1.5	182	14	28	.24	16	267	2.16	<.050	<10	<2.2	79
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34	1.6	231	26	150	<.10	19	548	10.9	<.050	<10	<2.2	50
111	4.6	336	200	140	.14	28	874	5.59	<.050	<10	<2.2	363
52	2.3	231	88	83	.15	23	501	1.62	<.050	<10	<2.2	112
--	--	--	--	--	--	--	--	<.050	<.050	--	--	--
151	1.9	260	320	240	.36	20	1090	1.26	<.050	21	<2.2	614
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128	3.2	247	160	190	.76	14	776	1.69	<.050	<10	<2.2	704
118	17	253	73	210	.57	14	704	.794	<.050	<10	<2.2	586
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15	1.2	251	11	14	.12	17	311	2.69	<.050	<10	<2.2	52
36	2.3	247	51	63	.12	21	437	2.51	<.050	<10	<2.2	96
					PIUTE COUNTY							
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					RICH COUNTY							
7.8	1.2	204	11	12	.11	9.0	233	.462	<.050	<10	<2.2	E9.4
					SALT LAKE COUNTY							
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42	3.5	159	61	71	.33	15	373	1.91	<.050	<10	2.5	78
71	4.0	157	44	330	.23	29	762	3.95	<.050	50	5.8	87
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56	8.3	251	80	230	.21	52	762	1.92	.058	<10	<2.2	79
49	2.9	286	170	150	.17	19	778	5.70	E.037	14	13	99
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					SAN JUAN COUNTY							
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634	13	769	190	460	1.4	12	1810	<.050	<.050	41	E27	1350
					SANPETE COUNTY							
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				SEVIER COUNTY						
385910111512101	(C-21-1)13abd-1	--	291.00	07-26-00	750	8.1	17.5	--	--	--
384757112002201	(C-23-2)15dcb-4	--	75.00	07-25-00	760	7.5	12.5	--	--	--
384641112034601	(C-23-2)30baa-2	--	75.00	07-25-00	790	7.2	14.5	360	74	44
383140111522001	(C-26-1)23ddb-1	100VLFL	200.00	07-25-00	200	8.2	12.5	72	23	3.5
				TOOELE COUNTY						
403300112301201	(C-2-6)23cbb-1	100VLFL	210.00	07-14-00	1000	7.5	24.0	120	28	13
403350112271801	(C-3-5) 7dcc-1	100VLFL	395.00	07-14-00	290	7.7	30.0	110	29	8.6
402525112251502	(C-4-5)32cca-2	100VLFL	210.00	06-14-00	1560	7.6	13.0	410	110	34
403006112442201	(C-4-8) 3bca-1	100VLFL	542.00	06-13-00	1010	--	14.0	--	--	--
402604112445501	(C-4-8)33aba-1	--	500.00	06-13-00	1230	--	14.5	--	--	--
402514112254301	(C-5-5) 5aab-1	100VLFL	96.00	06-14-00	930	--	13.5	--	--	--
402211112254601	(C-5-5)20acc-2	--	245.00	06-15-00	4270	--	12.5	--	--	--
402024112254601	(C-5-5)32dbb-2	100VLFL	112.00	06-14-00	1390	--	10.5	--	--	--
400415112274501	(C-8-6)36ddc-1	100VLFL	186.00	06-14-00	1660	--	12.5	--	--	--
				UINTAH COUNTY						
403116109360601	(D-3-21)30dcd-1	220NVJO	138.00	09-13-00	550	8.6	15.0	15	3.7	1.4
		220NVJO	138.00	09-13-00	550	8.6	15.0	15	3.7	1.4
				UTAH COUNTY						
401730111594501	(C-6-1)18cdd-1	--	265.00	06-12-00	720	7.8	28.5	--	--	--
401607112023401	(C-6-2)26cbb-1	100VLFL	505.00	06-12-00	740	7.9	13.5	--	--	--
401600112023401	(C-6-2)26cbc-1	--	--	06-12-00	610	--	11.5	--	--	--
400315111572001	(C-9-1) 4ccc-1	100VLFL	756.00	06-14-00	1420	7.7	15.0	310	77	29
395956111572101	(C-9-1)28ccb-1	--	802.00	06-14-00	1450	7.7	19.0	380	98	32
402259111525201	(D-5-1)18cab-2	100VLFL	618.00	06-14-00	340	8.0	21.0	120	25	14
402145111531101	(D-5-1)19ccc-1	110ALVM	150.00	06-14-00	640	7.8	14.0	250	60	24
402103111461601	(D-5-2)30ccb-2	--	225.00	06-15-00	810	7.5	13.0	--	--	--
401801111442501	(D-6-2)17aca-1	100VLFL	200.00	06-15-00	530	7.6	17.5	220	56	20
401414111435301	(D-7-2) 4cbb-2	100VLFL	144.00	06-15-00	550	7.6	13.0	--	--	--
401021111362701	(D-7-3)33baa-6	100VLFL	138.00	06-14-00	540	7.5	20.5	--	--	--
400941111352701	(D-7-3)34cdb-1	100VLFL	445.00	06-14-00	590	7.5	12.5	--	--	--
395942111470801	(D-9-1)36bbc-1	100VLFL	386.00	06-14-00	510	7.6	11.5	230	59	21
400311111432001	(D-9-2) 9bac-1	100VLFL	436.00	06-14-00	680	7.4	17.0	250	60	24
				WASATCH COUNTY						
402842111263101	(D-4-4)12dcc-1	100VLFL	--	07-18-00	345	6.8	13.0	190	54	14
402937111214901	(D-4-5) 3dcc-1	100VLFL	75.00	08-23-00	485	7.2	10.5	210	69	9.2
402946111233901	(D-4-5) 4ccb-1	100VLFL	217.00	08-10-00	365	7.1	15.0	150	49	7.9
402842111223601	(D-4-5) 4ddd-1	--	56.00	08-10-00	320	7.0	14.5	130	43	5.9
403003111255801	(D-4-5) 6bcc-2	--	--	07-18-00	320	7.2	12.5	170	51	10
402904111225801	(D-4-5) 9dbb-1	--	--	08-10-00	530	7.3	10.5	230	65	16
402840111232201	(D-4-5)16bab-1	--	--	08-10-00	640	7.2	17.5	280	77	22
402750111232701	(D-4-5)16ccd-1	100VLFL	150.00	07-18-00	430	7.4	16.0	220	55	19
402813111253701	(D-4-5)18cab-1	--	206.00	07-18-00	470	7.4	15.5	250	67	20
				WASHINGTON COUNTY						
373456113423501	(C-37-17)12bdc-2	--	290.00	08-21-00	560	7.3	12.0	210	67	12
371305113470401	(C-41-17)17bdb-1	--	626.00	08-01-00	480	7.5	18.0	--	--	--
370915113232302	(C-42-14)11aca-2	--	--	08-01-00	1350	7.5	22.0	600	140	64
370517113310402	(C-42-15)34dba-2	--	265.00	08-21-00	4660	6.8	17.0	1700	450	135
				WAYNE COUNTY						
382717111365601	(D-27-3)19aaa-1	--	285.00	07-25-00	1490	7.5	11.0	770	230	47
381902111321101	(D-29-3) 1cab-1	110ALVM	433.00	07-25-00	280	8.3	18.0	110	29	9.6
				WEBER COUNTY						
411153112064601	(B-5-2) 6bdd-4	100VLFL	303.00	07-26-00	--	--	--	--	--	--
412011112041401	(B-7-2)16dcd-2	100VLFL	1176.00	07-26-00	335	8.0	22.0	--	--	--
411824112060601	(B-7-2)32bbb-1	100VLFL	546.00	07-26-00	2210	7.8	18.0	--	--	--
411821112034601	(B-7-2)34bbb-2	100VLFL	517.00	07-26-00	1550	7.6	17.5	--	--	--

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)
					SEVIER COUNTY							
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29	1.7	391	32	13	.15	15	451	1.92	<.050	<10	<2.2	95
8.7	2.7	81	4.3	10	.19	44	147	.386	<.050	<10	<2.2	28
					TOOELE COUNTY							
135	17	148	26	200	.54	55	563	.798	<.050	19	<2.2	82
11	.81	114	8.4	11	<.10	5.0	143	<.050	<.050	E9.8	82	30
142	1.6	217	110	310	.11	15	867	2.74	<.050	18	<2.2	76
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					UINTAH COUNTY							
122	3.4	233	55	2.6	.72	7.6	337	<.050	<.050	330	3.0	166
122	3.4	233	55	2.6	.72	7.6	337	<.050	<.050	330	3.0	166
					UTAH COUNTY							
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134	10	131	100	290	.33	61	820	8.85	<.050	<10	<2.2	151
112	16	128	120	280	.26	71	848	11.0	<.050	<10	<2.2	142
20	2.1	129	7.3	22	.37	18	187	.268	<.050	E8.0	38	41
18	1.4	119	69	82	.21	12	338	<.050	<.050	220	11	32
--	--	--	--	--	--	--	--	--	--	--	--	--
15	5.3	207	50	13	.23	22	310	1.12	<.050	E10	E2.2	53
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
5.7	1.3	211	15	23	.24	17	278	1.85	<.050	<10	<2.2	27
31	10	258	37	26	.27	57	416	3.71	<.050	<10	<2.2	77
					WASATCH COUNTY							
8.1	1.2	187	16	12	<.10	24	248	1.43	.053	<10	<2.2	41
6.6	3.4	204	6.0	13	<.10	39	288	4.52	.106	20	E1.6	26
6.3	2.2	138	13	14	<.10	39	226	2.84	.080	<10	2.6	27
6.8	2.0	136	7.7	8.6	<.10	31	191	.899	.061	<10	2.6	27
8.8	2.1	166	18	8.2	<.10	32	237	1.81	E.043	E7.1	5.4	43
13	2.2	235	18	12	.11	30	303	1.44	.052	<10	<2.2	43
13	1.6	286	20	15	.13	30	364	2.73	E.041	<10	E2.1	44
17	1.2	185	13	35	.20	13	271	1.35	<.050	13	E1.4	24
12	1.1	214	13	33	.37	13	300	2.74	<.050	11	E1.9	28
					WASHINGTON COUNTY							
29	5.3	236	16	22	.25	46	355	3.83	.081	<10	<2.2	67
--	--	--	--	--	--	--	--	--	--	--	--	--
50	8.3	154	490	57	.36	24	937	3.19	<.050	<10	<2.2	151
404	20	331	1600	620	.51	26	3420	4.13	<.050	200	92	915
					WAYNE COUNTY							
32	3.9	197	650	11	<.10	32	1130	2.46	E.038	<10	<2.2	92
9.4	3.1	64	58	7.9	.14	48	205	.295	<.050	42	<2.2	33
					WEBER COUNTY							
--	--	--	--	--	--	--	--	<.050	.115	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--
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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 IDENTI FIER	DATE	TIME	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DEPTH OF WELL, TOTAL (FEET) (72008)	BROMIDE DIS SOLVED (MG/L AS BR) (71870)	H-2/ H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18/ O-16 STABLE ISOTOPE RATIO PER MIL (82085)
401613110260701	AUG									
U(C- 2- 5)34abb-1	03...	1030	9.3	660	24.5	--	148.00	--	--	--
	SEP									
	07...	1120	9.5	670	12.0	2.3	148.00	.040	--	--
401823109590401	AUG									
U(C- 2- 1)15cac-1	04...	0845	9.0	550	15.5	--	600.00	--	-128.9	-17.24
	SEP									
	06...	1140	9.0	550	17.0	23	600.00	.027	--	--
401940110023601	AUG									
U(C- 2- 1) 7bbd-1	03...	1500	8.1	420	15.5	--	820.00	--	-130.3	-17.18
	SEP									
	07...	1340	8.1	430	14.5	5.8	820.00	.036	--	--
402114110003301	AUG									
U(C- 1- 1)33bcc-1	04...	0945	7.8	1730	16.0	--	220.00	--	-125.3	-16.94
	SEP									
	06...	1220	7.5	1860	15.5	1.1	220.00	.041	--	--
402116110030801	AUG									
U(C- 1- 2)36adc-1	03...	1610	7.8	335	18.0	--	170.00	--	-136.1	-18.24
	SEP									
	07...	1310	7.8	340	12.0	1.2	170.00	.042	-	-
402135110051901	AUG									
U(C- 1- 2)27ddc-1	04...	1330	7.6	340	22.0	--	420.00	--	-138.2	-18.38
	SEP									
	06...	1410	7.5	340	17.0	.79	420.00	.046	--	-
402246110061501	AUG									
U(C- 1- 2)22cbb-1	04...	1300	7.4	395	24.0	--	810.00	--	-136.9	-18.00
	SEP									
	06...	1340	7.7	385	20.5	1.7	810.00	.043	--	--
402319110025601	AUG									
U(C- 1- 2)24aaa-1	04...	1130	7.7	350	16.5	--	260.00	--	-134.2	-17.92
	SEP									
	06...	1300	7.7	350	15.5	1.1	260.00	.024	--	--

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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	4.047x103	square meter
	4.047x10-1	square hectometer
	4.047x10-3	square kilometer
square mile (mi2)	2.590x100	square kilometer
	Volume	
gallon (gal)	3.785x100	liter
	3.785x100	cubic decimeter
	3.785x10-3	cubic meter
million gallons (Mgal)	3.785x103	cubic meter
	3.785x10-3	cubic hectometer
cubic foot (ft3)	2.832x101	cubic decimeter
	2.832x10-2	cubic meter
cubic-foot-per-second day [(ft3/s) d]	2.447x103	cubic meter
	2.447x10-3	cubic hectometer
acre-foot (acre-ft)	1.233x103	cubic meter
	1.233x10-3	cubic hectometer
	1.233x10-6	cubic kilometer
	Flow	
cubic foot per second (ft3/s)	2.832x101	liter per second
	2.832x101	cubic decimeter per
second		
	2.832x10-2	cubic meter per second
gallon per minute (gal/min)	6.309x10-2	liter per second
	6.309x10-2	cubic decimeter per
second		
	6.309x10-5	cubic meter per second
million gallons per day (Mgal/d)	4.381x101	cubic decimeter per
second		
	4.381x10-2	cubic meter per second
	Mass	
ton (short)	9.072x10-1	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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