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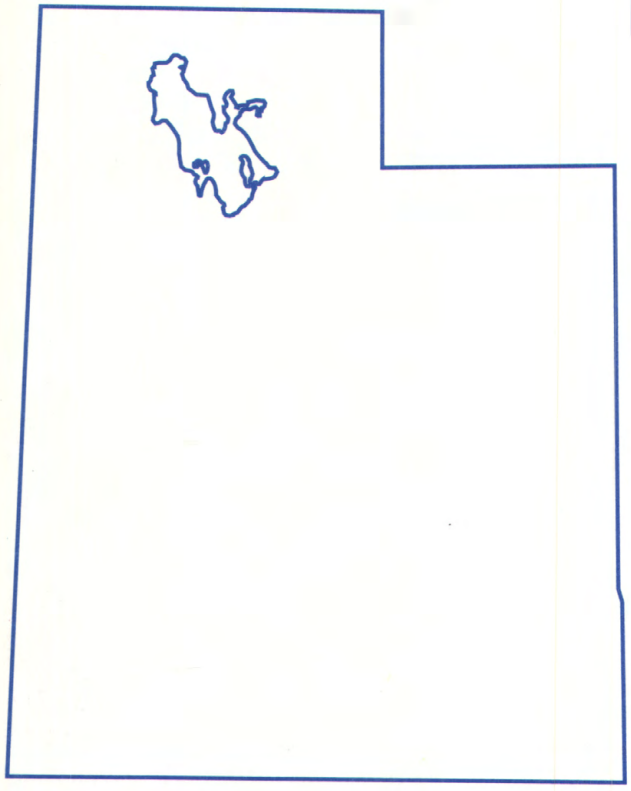
Water Resources Data
Utah
Water Year 2001

Water-Data Report UT01-1



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

Prepared in cooperation with the State of Utah and other cooperators and agencies

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

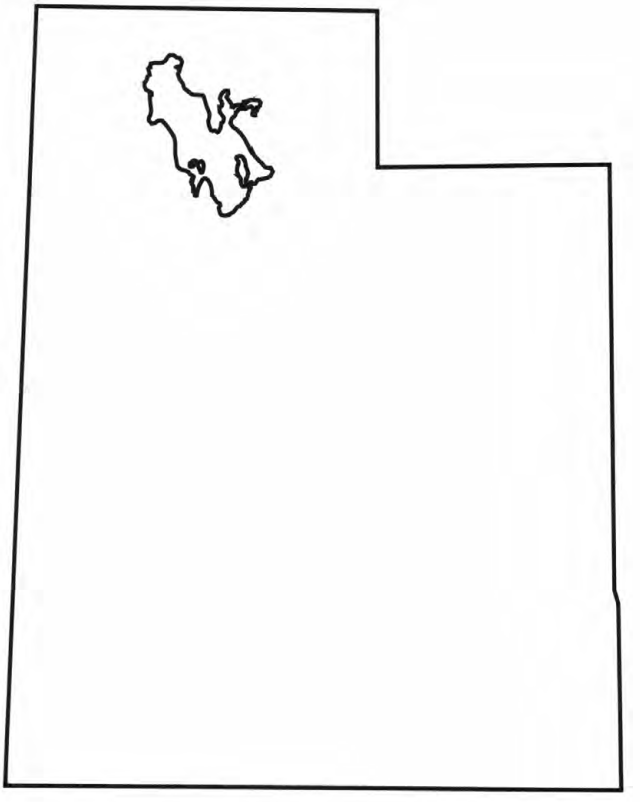
Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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

Water Resources Data
Utah
Water Year 2001

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

Water-Data Report UT-01-1



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UNITED STATES DEPARTMENT OF THE INTERIOR
GALE A. NORTON, Secretary

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

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West Valley City, Utah 84119

2002

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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13. ABSTRACT *(Maximum 200 words)*

Water-resources data for the 2001 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 157 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 20 hydrologic stations, and 261 wells; and water levels for 69 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 in cooperation with the State of Utah and other cooperators and agencies.

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

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ILLUSTRATIONS

TABLE

[Letter after station name designates type of data: (d) discharge, (e) elevation or contents, (c) chemical, (b) biological, (t) water temperature, (s) sediment]

GROUND WATER LEVELS

GROUND WATER LEVELS—Continued

QUALITY OF GROUND WATER

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. Abbreviations used: a: approximate; q: includes 255 sq mi in closed basin in Cedar Valley; DS: downstream; US: upstream

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	53	1939-99
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
GREEN RIVER BASIN--Continued			
Carter Creek at mouth near Manila, UT (d)	09234000	a110	1946-55
Red Creek near Dutch John, UT (d)	09234700	140	1971-76
Green River at (near) Bridgeport, UT (d)	09235000	a15,700	1912-15
Crouse Creek near Vernal, UT (d)	09235100	30.2	1986-90
Pot Creek 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
West Fork Duchesne River near Hanna, UT (d)	09275500	61.6	1945-94
Wolf Creek above Rhoades Canyon near Hanna, UT (d)	09276000	10.6	1946-84
Wolf Creek near Hanna, UT (d)	09276500	a19	1922-23
Duchesne River at Hanna, UT (d)	09277000	a230	1953-61
Comb. flow Duchesne 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
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
Pigeon Water Creek near Altamont, UT (d)	09293700	95.5	1976-79
Lake Fork River near Upalco, UT (d)	09294000	427	1943-55
			1976-81
Lake Fork (Creek) near Myton, UT (d)	09294500	484	1900-03
			1907-36
			1976-81
Uinta River below Gilbert Creek near Neola, UT (d)	09295500	a33	1951-55
Uinta River above Clover Creek near Neola, UT (d)	09296000	132	1946-55
Clover Creek near Neola, UT (d)	09296500	a9.5	1950-55
Uinta River near Neola, UT (d)	09297000	163	1922-27
			1930-83
Uinta River near Whiterocks, UT (d)	09297500	218	1899-1903
			1907-10
			1917-20
West Channel Uinta River below diversion works near Whiterocks, UT (d)	09297600	216	1976-81
East Channel Uinta River below diversion works near Whiterocks, UT (d)	09297700	215	1977-81
East Channel Uinta River at County Road Bridge near Whiterocks, UT (d)	09297800	253	1976-81
East Channel Uinta River at LaPoint Road near LaPoint, UT (d)	09297900	382	1976-82
Farm Creek near Whiterocks, UT (d)	09298000	14.9	1950-81
Whiterocks River above Paradise Creek near Whiterocks, UT (d)	09298500	a90	1946-55
Paradise Creek near Whiterocks, UT (d)	09299000	a10	1946-55
Whiterocks River below damsite near Whiterocks, UT (d)	09299400	110	1976-81
Whiterocks River below Farm Creek Canal near Whiterocks, UT (d)	09299600	120	1976-81
Whiterocks River 1 mile east of Whiterocks, UT (d)	09299700	124	1976-81
Deep Creek at State Hwy 246 near LaPoint, UT (d)	09299900	72.2	1976-79
Deep Creek near LaPoint, UT (d)	09300000	a75	1943-45
			1950-55
Uinta River at Fort Duchesne, UT (d)	09300500	557	1899-1904
			1907-10
			1917-20
			1943-58
			1976-81
Dry Gulch near Neola, UT (d)	09301000	a67	1951-58
Dry Gulch near Fort Duchesne, UT (d)	09301200	469	1976-81
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
WHITE RIVER BASIN—Continued			
Sand Wash at mouth near Ouray, UT (d)	09306872	71.1	1977-81
Coyote Wash near mouth near Ouray, UT (d)	09306878	228	1977-83
North Wash near Ouray, UT (d)	09306880	11.0	1980-81
Cottonwood Wash near mouth near Ouray, UT (d)	09306885	70.6	1977-81
White River at mouth near Ouray, UT (d)	09306900	5,120	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER			
Green River near Ouray, UT (d)	09307000	a35,500	1948-66
Pariette Draw near Ouray, UT (d)	09307200	153	1976-84
Combined Flow Pariette Draw at mouth and Lambs Diversion (d)	09307290	—	1978-80
Lambs Diversion from Pariette Draw near Ouray, UT (d)	09307295	—	1978-82
Pariette Draw at mouth near Ouray, UT (d)	09307300	298	1975-84
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
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
VIRGIN RIVER BASIN—Continued			
Virgin River above Quail Creek near Hurricane, UT (d)	09408135	1,381	1989-90, 1992-93
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
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
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
Cub River near Richmond, UT (d)	10102200	222	1962-63
			1999-2000
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

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 above Salt Creek diversion near Tremonton, UT (d)	10117510	—	1980-84, 1986
West Canal below Salt Creek diversion near Tremonton, UT (d)	10117530	—	1980-84, 1986
Malad River below Springs near Malad City, ID (d)	10118200	a3.3	1931-32, 1940-47
Warm Springs Canal near Samaria, ID (d)	10118300	—	1940-45
Malad River near Samaria, ID (d)	10118400	a31	1941-45
Little Malad River above Elkhorn Reservoir near Malad, ID (d)	10119000	a120	1911-13
Elkhorn Reservoir near Malad City (near Malad), ID (e)	10119500	153	1940-53
Little Malad River below Elkhorn Reservoir near Malad, ID (d)	10120000	153	1940-53
Little Malad River below Sand Ridge Dam near Malad, ID (d)	10120500	223	1945-51
Devil Creek above Campbell Creek near Malad City, ID (d)	10122500	a13	1938-61
Devil Creek above Evans Dividers near Malad City, ID (d)	10123000	a36	1940-43, 1946-53
Devil Creek near Malad City (near Malad), IDaho (d)	10123500	a39	1931-40
Deep Creek below First Creek near Malad City, ID (d)	10125000	a32	1931-48
Malad River at Woodruff, ID (d)	10125500	a485	1938-82
Malad river near Plymouth, UT (d)	10125600	a632	1964-80
Bear River Duck Club near Bear River City, UT (d)	10125700	—	1964-73
Malad River below Bear River Duck Club Canal near Bear River City, UT (d)	10125800	a698	1964-74
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER			
Sulphur Creek near Corinne, UT (d)	10126180	15.4	1972-86
Box Elder Creek at Mantua, UT (d)	10126400	14.0	1960-63
Box Elder Creek near Brigham City, UT (d)	10126500	33.4	1918-21
Box Elder Creek at Brigham City, UT (d)	10127000	34.2	1909-12
Salt Spring near Tremonton, UT (d)	10127040	—	1979-86
Salt Creek below Salt Spring near Tremonton, UT (d)	10127050	—	1979-86
Black Slough near Brigham City, UT (d)	10127100	31.1	1972-86
Highway 83 Culverts (d)	10127107	—	1980-86
Sulphur Creek & Black Slough (d)	10127108	—	1980-86
Culverts & Sulphur Creek & Black Slough (d)	10127109	—	1980-86
Bear River Basin outflow across State Hwy 83 near Corinne, UT (d)	10127110	—	1972-86
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN—Continued			
Diamond Fork near Thistle, UT (d)	10150000	141	1908-17 1940-55
U.S. Bureau of Reclamation Power Canal near Spanish Fork, UT (d)	10151000	—	1909-17
Spanish Fork near Spanish Fork, UT (d)	10151500	a670	1909-17
Spanish Fork near Lakeshore, UT (d)	10152000	675	1904-07 1909-25 1938-88
Spanish Fork at mouth near Lake Shore, UT (d)	10152001	—	1978-82
Hobble Creek near Springville, UT (d)	10152500	105	1904-16 1945-74
Maple Creek near Mapleton, UT (d)	10152700	3.13	1965-72
Maple Creek near Springville, UT (d)	10153000	10.8	1912-13
Provo River near Kamas, UT (d)	10153500	29.6	1950-69
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 Reservoir near Charleston, UT (e)	10159000	560	1940-68
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN—Continued			
Jordan River at 90th South near Midvale, UT (d)	10167230	q3,130	1980-84
			1986-89
90th South Conduit at Jordan River near Midvale, UT (d)	10167240	—	1980-84
I-215 Median Drain at Jordan River near Murray, UT (d)	10167242	0.20	1984-86
Jordan River at 5800 South near Salt Lake City, UT (d)	10167300	q3,254	1965-68
			1980-85
Little Cottonwood Creek (channel) near Salt Lake City, UT (d)	10167499	—	1980-88
Little Cottonwood Creek near Salt Lake City, UT (d)	10167500	27.4	1898-99
			1904-68
			1980
Little Cottonwood Creek at 2050 East near Salt Lake City, UT (d)	10167700	35.2	1963-67
			1979-81
			1983-87
Little Cottonwood Creek at Crestwood Park at Salt Lake City, UT (d)	10167800	36	1999-2000
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN—Continued			
Fox Canal near Circleville, UT (d)	10180500	—	1914-19
Circleville Canal near Circleville, UT (d)	10181000	—	1914-19
Old Kingston Canal near Circleville, UT (d)	10181500	—	1914-19
Dalton Canal at Circleville, UT (d)	10182000	—	1914-19
Mitchell Slough Canal near Junction, UT (d)	10182500	—	1914-19
Junction Middle Canal near Junction, UT (d)	10183000	—	1915-19
East Fork Sevier River near Ruby's Inn, UT (d)	10183900	71.6	1962-95
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 Elsinore, 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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN—Continued			
Salina Creek at Salina, UT (d)	10206000	292	1914-16 1918-19 1943-55 1960-95
Sevier River below Salina Creek near Salina, UT (d)	10206001	—	1985-86
West View Canal at Redmond, UT (d)	10206500	—	1914-19
Fayette Canal near Centerfield, UT (d)	10207000	—	1914-19
Dover Canal near Gunnison, UT (d)	10207500	—	1914-19
Sevier River near Gunnison, UT (d)	10208000	a3,990	1901-17
Oak Creek near Fairview, UT (d)	10208500	11.8	1965-89
Pleasant Creek near Mount Pleasant, UT (d)	10210000	—	1955-75
Twin Creek near Mount Pleasant, UT (d)	10211000	a5.9	1955-66
San Pitch River near Mount Pleasant, UT (d)	10210500	170	1988-89
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
Minersville Reservoir near Minersville, UT (e)	10238500	534	1915-22 1938-95
Minersville Canal at Minersville, UT (d)	10239500	—	1906 1914 1951-55
Beaver River at Minersville, UT (d)	10240000	a560	1909-13 1951-55
Beaver River near Milford, UT (d)	10241000	a1,100	1952-55
PAROWAN VALLEY			
Little Creek near Paragonah, UT (d)	10241400	15.8	1960-80
Red Creek near Paragonah, UT (d)	10241430	a6.3	1965-75
Center Creek above Parowan Creek near Parowan, UT (d)	10241470	11.6	1965-87
Center Creek near Parowan, UT (d)	10241500	a60	1943-50
Summit Creek near Summit, UT (d)	10241600	24.0	1965-87
CEDAR VALLEY, IRON COUNTY			
Ashdown Creek near Cedar City, UT (d)	10241800	13.1	1958-61
Grassy Creek near Enterprise, UT (d)	10242430	a2.5	1965-68
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality station prior to the 2001 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. Abbreviation: a, approximate.

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, UT	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 near 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, UT	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

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, 1977-78
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	1975-79
North Fork Virgin River above Zion Narrows near Glendale, UT	09405450	45.5	c,s,t	1980-84
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
ef				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 EvanstonWY	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	2,032	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 nearWYoming-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
				1999-2000
Eightmile Creek near Soda Springs, ID	10072800	22.6	c,t	1961
				1965-68
				1973-83
Bear River at Soda Springs, ID	10075000	3,972	c,t	1965-68
				1972-83
Cottonwood Creek near Cleveland, ID	10084500	61.7	c,t	1961
				1967-68
				1972-83
Mink Creek below Dry Fork near Mink Creek, ID	10087500	19.3	c,t	1961
Bear River near Preston (at Battlecreek), ID	10090500	4,545	c,t	1947
				1953
				1961
				1965-68
				1973-83
Deep Creek near Clifton, ID	10091200	107	c,t	1967-68
				1972-78
Cub River near Preston, ID	10093000	19.4	c,t	1958-61
				1967-68
				1972-83
East Branch Cub River Canal near Lewiston, UT	10095900	—	c,t	1967-68
High Creek near Richmond, UT	10099000	16.2	c,t	1978-83
				1987-89
Cub River near Richmond, UT	10102200	—	c,t	1959
				1967-68
				1999-2000
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
BEAR RIVER BASIN—Continued				
Deep Creek below First Creek near Malad City, ID	10125000	a32	c,t	1967
West Canal below Salt Creek diversion near Tremonton, UT	10117530	—	c,t	1979-83
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	1991-95
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
JORDAN RIVER BASIN—Continued				
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
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
Little Cottonwood Creek at Crestwood Park at Salt Lake City, UT	10167800		c,t	1999-2000
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
GREAT SALT LAKE DESERT				
Great Salt Lake West Pond near Wendover, UT	10172903	—	c,t	1988-90
West Locomotive Spring at Locomotive Spring near Snowville, UT	10172963	—	c,t	1973-75
Baker Spring at Locomotive Spring near Snowville, UT	10172964	—	c,t	1969-70, 1973-75
Bar M Spring at Locomotive Spring near Snowville, UT	10172965	—	c,t	1969-70, 1973-80
East Jordan Canal at Little Cottonwood Creek near Sandy, UT	10167105	—	c	1980
East Jordan Canal at pumphouse at 6200 So near Murray, UT	10167115	—	c,s,t	1980-81
Upper Canal at 5800 South (Tolcate Ln) near Murray, UT	10167122	—	c,t	1980
Trout Creek near Callao, UT	10172870	8.19	c,t	1971-91
Off Spring at Locomotive Spring near Snowville, UT	10172967	—	c,t	1969-70, 1973-80
Sparks Spring at Locomotive Spring near Snowville, UT	10172968	—	c,t	1969-70, 1973-80
SEVIER LAKE BASIN				
Midway Creek near Hatch, UT	10173600	25.7	c	1974
Sevier River at Hatch, UT	10174500	340	c,s,t	1985-92
Panguitch Creek near Panguitch, UT	10176300	97.0	c,t	1971-80
Sevier River near Circleville, UT	10180000	986	c,t	1971-91
East Fork Sevier River near Ruby's Inn, UT	10183900	71.6	c,t	1971-91
Antimony Creek near Antimony, UT	10185000	50.3	c,t	1971-76
Otter Creek near Koosharem, UT	10187300	23.5	c,t	1971-82
Otter Creek above Reservoir near Antimony, UT	10187500	322	c,t	1971-80
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	1971-94
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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
PAROWAN VALLEY				
Little Creek near Paragonah, UT	10241400	15.8	c,t	1971-80
Red Creek near Paragonah, UT	10241430	a6.3	c,t	1971-75
Center Creek above Parowan Creek near Parowan, UT	10241470	11.6	c,t	1971-83
Summit Creek near Summit, UT	10241600	24.0	c,s,t	1971-83
SNAKE RIVER VALLEY				
George Creek near Yost, UT	13077700	7.84	c,t	1965-67, 1972-90
Clear Creek near Naf, ID	13079000	20.2	c,t	1965-67

INTRODUCTION

Water-resources data for the 2001 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 157 gaging stations; stage and contents for 10 lakes and reservoirs; water quality for 20 hydrologic stations, and 261 wells; and water levels for 69 observation wells. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Utah.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey Water-Supply Papers entitled, "Surface Water Supply of the United States." Through September 30, 1969, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 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-01-1." 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
Davis County Public Works, Dave Adamson
Washington County Water Conservancy District, Ron Thompson
Centerville City, Steve Thacher

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
Wyoming District.--Bear River at Evanston, WY
Blacks 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 Jeff Phillips

Hydrologic conditions for Utah can vary greatly because of diverse topography and geology, and because of changes in seasonal meteorology and climatology from year to year. Average annual precipitation in Utah ranges from about 5 inches in the Great Salt Lake Desert to about 60 inches on some of the State's tallest mountains (Butler and Marsell, 1972). Storms that primarily originate in the Pacific Ocean generally occur during winter and early spring and are responsible for mountain snowpack. Snowpack typically increases with elevation. Snow accumulations of greater than 12 inches are common at elevations greater than 8,000 feet above sea level. During the summer months, monsoonal moisture from the warm waters of the Gulf of Mexico and Pacific Ocean can cause thunderstorms that vary greatly in intensity. Some weather systems moving across Great Salt Lake acquire additional moisture from evaporation of lake water, enhancing precipitation in the local areas. This is the so-called "lake effect".

The mountain ranges and plateaus in many parts 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 during much of the year.

Precipitation

Water year 2001, similar to water year 2000, was a very dry year in Utah. Precipitation in Utah during water year 2001 was less than normal[1] (1961-1990) at 9 of 12 selected precipitation-recording stations operated by the National Oceanic and Atmospheric Administration (National Oceanic and Atmospheric Association, 2000 and 2001, and fig. 1). The 12 stations were selected to be representative of the areal and topographic distribution of precipitation for the entire State (table 1). The average annual departure from normal precipitation for all 12 stations in water year 2001 was –2.11 inches and ranged from a negative annual departure of 12.98 inches at Alta to a positive departure of 2.58 inches at Bluff. The average departure for all stations in water year 2000 was –4.23 inches, indicating water year 2000 was somewhat dryer than water year 2001 for the State of Utah. The monitoring station at Callao recorded the lowest total precipitation of all 12 stations with 5.65 inches, a negative departure of 0.46 inch from normal.

Table 1. Precipitation and departure from normal precipitation at selected sites for water year 2001

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

Site	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May^{P}	Jun^{P}	Jul^{P}	Aug^{P}	Sep^{P}	Total Departure
Alta	e5.08	e4.08	4.90	3.22	e3.34	e2.50	11.58	0.79	0.83	0.94	2.16	1.18	40.60
	(1.60)	(-1.62)	(-2.00)	(-3.77)	(-3.09)	(-4.26)	(5.50)	(-2.60)	(-1.00)	(-0.68)	(0.37)	(-1.43)	(-12.98)
Black Rock	2.15	0.26	0.36	e0.34	e0.89	1.65	0.62	0.49	0.06	0.28	0.39	0.03	7.52
	(1.37)	(-0.51)	(-0.23)	(-0.16)	(0.41)	(0.53)	(-0.36)	(-0.29)	(-0.48)	(-0.58)	(-0.44)	(-0.83)	(-1.57)
Bluff	2.23	0.42	0.24	0.94	0.78	0.88	0.33	0.36	0.18	0.17	4.10	0.18	10.81
	(1.17)	(-0.35)	(-0.51)	(0.23)	(0.11)	(0.21)	(-0.15)	(-0.05)	(-0.05)	(-0.75)	(3.27)	(-0.55)	(2.58)
Callao	1.39	0.14	0.15	0.14	0.59	1.00	0.65	0.00	0.06	0.35	0.91	0.27	5.65
	(0.73)	(-0.20)	(-0.13)	(-0.15)	(0.26)	(0.59)	(0.18)	(-0.81)	(-0.67)	(-0.18)	(0.25)	(-0.33)	(-0.46)
Green River	1.82	0.22	0.17	0.82	1.30	0.56	0.48	1.13	0.03	0.52	1.29	0.37	8.71
	(0.93)	(-0.23)	(-0.24)	(0.42)	(0.98)	(-0.03)	(-0.02)	(0.50)	(-0.37)	(-0.05)	(0.54)	(-0.42)	(2.01)
Hanksville	1.77	0.38	0.16	e1.72	0.87	0.82	0.18	1.02	0.40	0.30	0.73	0.31	6.70
	(1.09)	(-0.03)	(-0.15)	(1.34)	(0.62)	(0.31)	(-0.24)	(0.53)	(0.10)	(-0.24)	(0.00)	(-0.43)	(0.94)
Logan	2.58	0.82	e1.34	0.54	1.63	1.27	2.34	0.73	1.13	0.58	0.24	0.12	13.32
	(0.71)	(-0.91)	(-0.38)	(-0.86)	(-0.02)	(-0.75)	(0.19)	(-1.31)	(-0.44)	(-0.20)	(-0.73)	(-1.50)	(-6.20)
Nephi	2.45	1.24	0.41	e0.78	0.72	0.87	2.33	1.10	0.04	0.99	0.29	0.02	11.24
	(1.19)	(-0.15)	(-0.92)	(-0.41)	(-0.47)	(-0.84)	(0.82)	(-0.28)	(-0.81)	(0.15)	(-0.72)	(-1.16)	(-3.60)
Parowan	2.56	1.13	0.22	e0.26	3.28	1.23	1.09	0.31	0.00	0.41	1.31	T	11.80
	(1.53)	(0.00)	(-0.71)	(-0.55)	(2.19)	(-0.34)	(-0.27)	(-0.52)	(-0.53)	(-0.88)	(-0.22)	(-0.96)	(-1.26)
Salt Lake City	2.00	1.31	1.24	0.78	1.50	1.55	2.46	0.22	1.12	1.13	0.53	0.05	13.89
	(0.56)	(0.02)	(-0.16)	(-0.33)	(0.27)	(-0.36)	(0.34)	(-1.58)	(0.19)	(0.32)	(-0.33)	(-1.23)	(-2.29)
Vernal	1.67	0.33	0.05	0.46	0.68	0.45	1.20	0.22	0.41	0.98	0.99	0.12	7.56
	(0.61)	(-0.27)	(-0.58)	(0.04)	(0.27)	(-0.20)	(0.39)	(-0.66)	(-0.38)	(0.48)	(0.41)	(-0.75)	(-0.64)
Zion N.P.	2.53	0.99	0.14	1.86	1.91	1.69	1.64	0.48	0.30	0.62	1.30	0.07	13.53
	(1.61)	(-0.47)	(-1.14)	(0.27)	(0.31)	(-0.36)	(0.49)	(-0.36)	(-0.18)	(-0.63)	(-0.49)	(1.00)	(-1.88)
Total Departure	12.37	-4.52	-7.02	-3.78	1.58	-6.09	6.87	-7.43	-4.62	-3.24	1.91	-10.52	-25.35

[1]National Oceanic and Atmospheric Administration defines normal as the average value of a meteorological element.

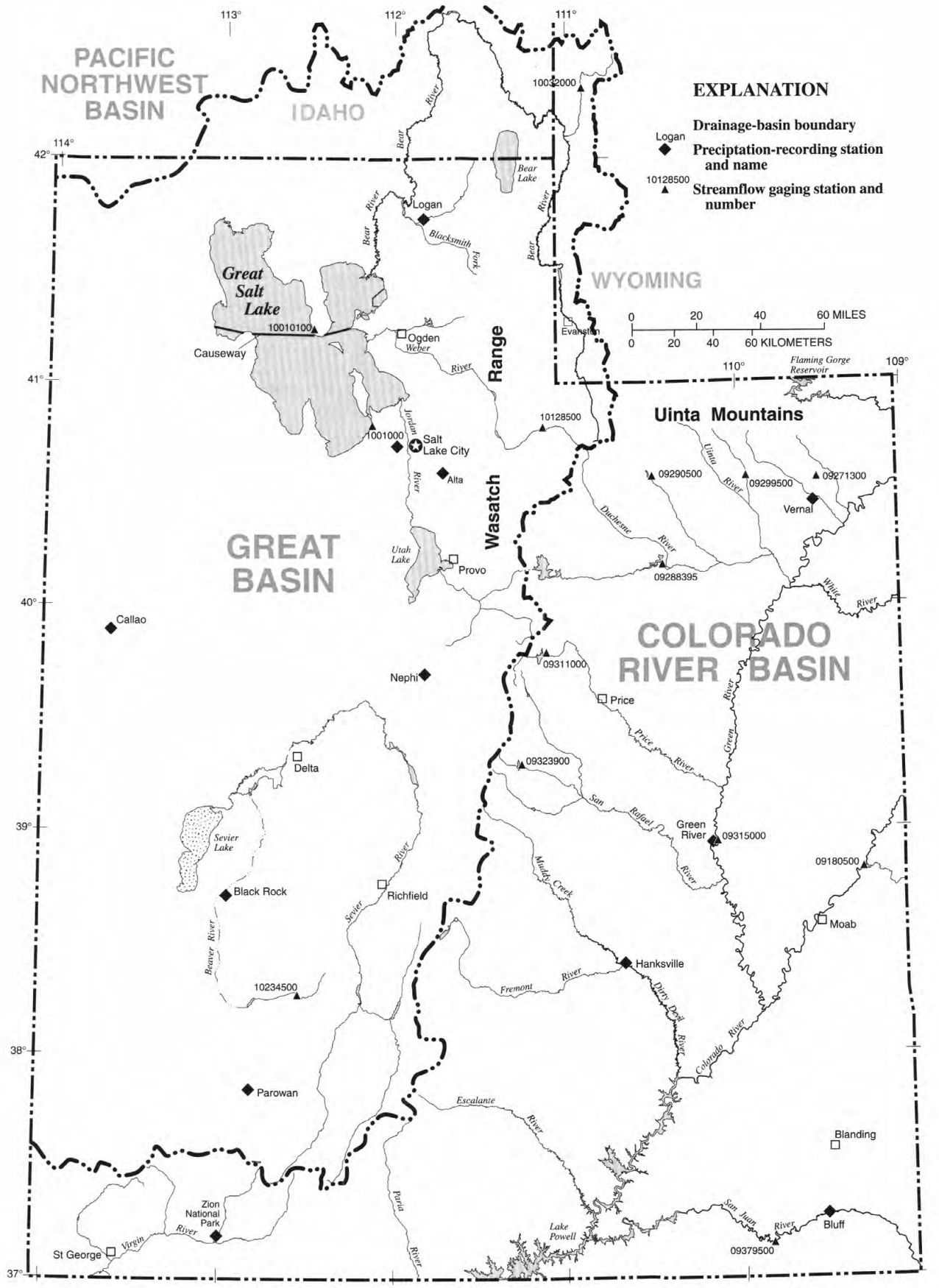

Figure 1. Selected precipitation-recording sites and U.S.G.S. streamflow gaging stations.

October was the wettest month for all 12 stations combined with a total positive departure of 12.37 inches of precipitation. Departures for all stations were above the normal for October. September was the driest month with a total negative departure for the 12 stations of 10.52 inches. During the month of December, all stations showed below normal departures, indicating dry conditions were prevalent throughout the state. The longest continuous periods of below normal precipitation statewide were from November to January and from May to July. Above-normal precipitation for water year 2001 was recorded for the 4 months of October, February, April, and August. The 3 stations that did record greater-than-normal precipitation (Bluff, Green River, and Hanksville) during water year 2001 are located in the southeast part of the State. At Bluff, 4.10 inches of rain was recorded in August, which is 3.27 inches above normal and almost 33 percent of the normal annual total precipitation.

Streamflow and Reservoir Storage

During water year 2001, daily mean discharges were generally less than the long-term average daily mean discharge at Colorado River near Cisco, UT, Green River at Green River, UT, San Juan River near Bluff, UT, Smiths Fork near Border, UT, and Weber River near Oakley, UT (fig. 2). The daily mean discharge at Whiterocks near Whiterocks, UT, was generally near or slightly more than the long-term average during October through May, and was generally less than the long-term average during June through September. At Beaver River near Beaver, UT, the daily mean discharges for water year 2001 were near the long-term average during October to early April, and from mid-April were generally less than the long-term average daily discharges.

Spring snowmelt generally started during early April at all seven sites, which was about 2 to 4 weeks earlier than usual (fig. 2). The peak of the snowmelt discharge occurred during mid- to late May, and then flows decreased rapidly during June and July. The daily mean discharge for September 30, 2001 was less than the long-term average daily discharge at all seven selected sites.

Combined reservoir contents on September 30, 2001, at 15 selected reservoirs in Utah, averaged about 70 percent of the long-term (1961-90) average-usable-contents[1], a slight increase from 69 percent for water year 2000. The reservoirs with the lowest percent capacity were Moon Lake (26.2 percent), Rockport (28.3 percent), and Piute (46.9 percent). Echo, Joes Valley, and Otter Creek Reservoirs had the highest percent capacity at 94.3 percent, 93.5 percent, and 92.6 percent, respectively. Storage in Bear Lake was 595,700 acre-feet on September 30, 2001, 270,300 acre-feet less than water year 2000, and 640,300 acre-feet less than the 1999 water year. This is the lowest volume in Bear Lake since water year 1995.

The south part of Great Salt Lake (10010000) reached a maximum daily mean elevation of 4,201.7 feet above sea level on April 10 and 22, 2001 (fig. 3). This is 1.9 feet lower than the elevation for water year 2000. Fluctuations in the level of Great Salt Lake occur because of changes in the amount of inflow, movement of water through the Southern Pacific Railroad causeway, and evaporation. Great Salt Lake normally reaches its peak elevation between late April and early June, and its lowest elevation between late September and early December. The minimum daily mean elevation of 4,199.1 feet above sea level occurred on September 28, and was 2.0 feet lower than the minimum for water year 2000.

The elevation of the north part of Great Salt Lake (10010100) ranged from a maximum of 4,201.1 feet above sea level during March and April, to a minimum of 4,198.7 feet above sea level on September 25, 27, and 30. Salinity of the north part ranged from a minimum of 21.1 percent on January 9, 2001, to a maximum of 28.2 percent on November 21, 2000.

Ground Water

Six observation wells (fig. 4) were selected to show trends in ground-water levels for water years 1992-2001. The wells are in Curlew Valley, Pahvant Valley, Beryl-Enterprise area, the Vernal and Blanding areas, and the East Shore near Ogden area. Water-level hydrographs for the 1992-2001 water years (figs. 4 and 5) show that statewide water-levels generally have declined. Although water levels for the well in the Vernal area indicates a slight rise, water levels, in general, declined from water year 2000 to water year 2001 in most of the wells (fig. 5).

Chemical quality of streamflows

Water-quality data were collected at 20 surface-water sites in Utah during water year 2001 (fig. 6). At 6 of the 20 surface-water sites, water-quality samples were collected as part of the National Water-Quality Assessment Program (NAWQA). The data for these 6 sites are reported in this document for 2 consecutive water years (water years 2000 and 2001).

REFERENCES

Butler, Elmer, and Marsell, R.E., 1972, Cloudburst floods in Utah: 1936-1969; Utah Division of Water Resources Cooperative Investigations Report 11, 103 p.

National Oceanic and Atmospheric Administration, 2000, Climatological data, Utah: Asheville, N.C., National Climate Center, v. 101.

National Oceanic and Atmospheric Administration, 2001, Climatological data, Utah: Asheville, N.C., National Climate Center, v. 102.

Jensen, Don, 2002, written commun., Provisional precipitation for Utah, 2001, Utah Climate Center, Utah State University, Logan, Utah, 1 p.

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[1]Long-term averages provided by National Oceanic Atmospheric Administration Averages for East Canyon (1966-1990), Joes Valley (1996-90), Starvation (1970-90), and Steinaker (1975-90) Reservoirs are calculated on the basis of the water years shown in parenthesis.

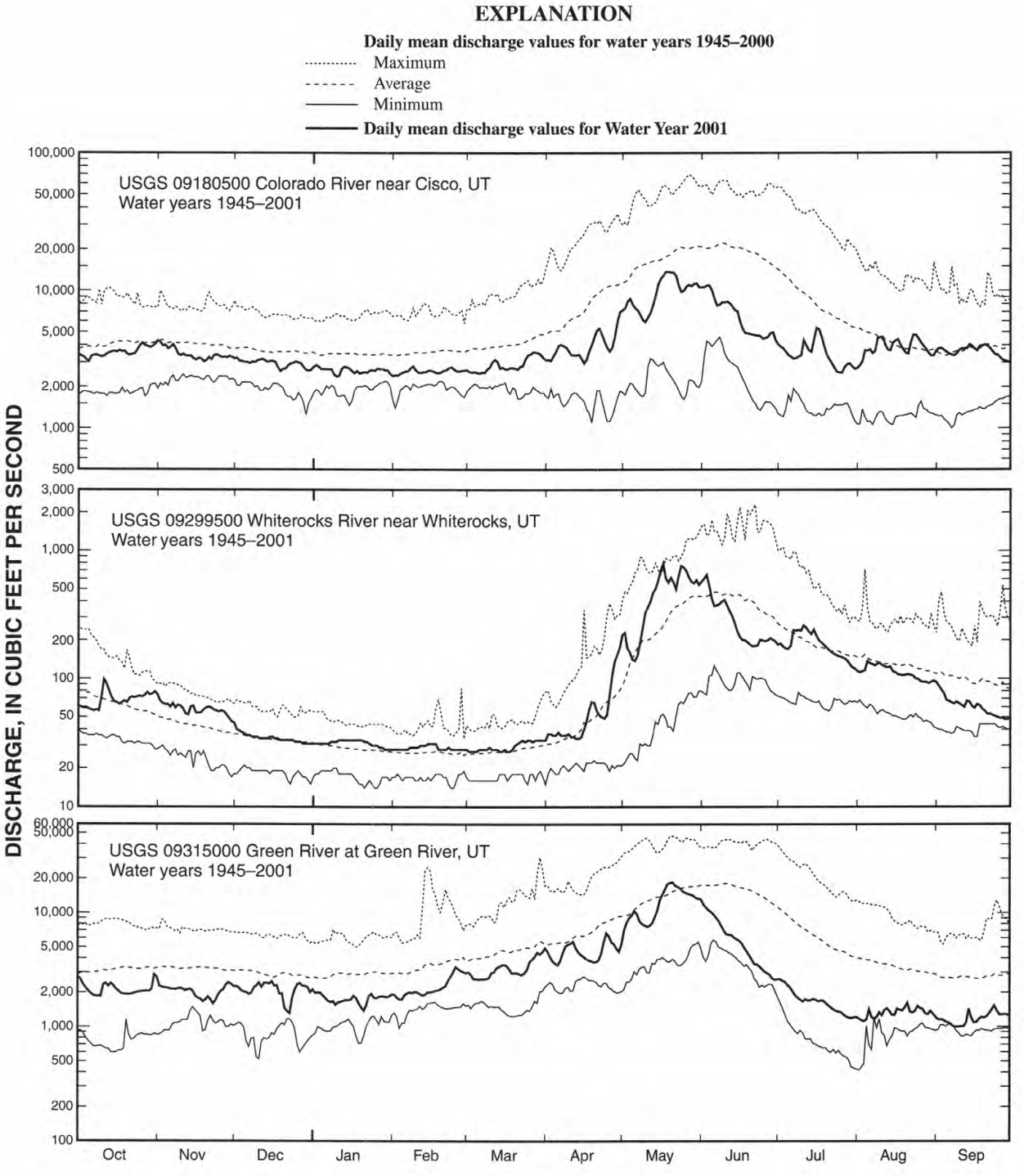


Figure 2. Comparison of daily mean discharge for water year 2001 with maximum, average, and minimum of the daily mean discharges for water years 1945-2000 at seven long-term streamgaging stations in Utah and Wyoming.

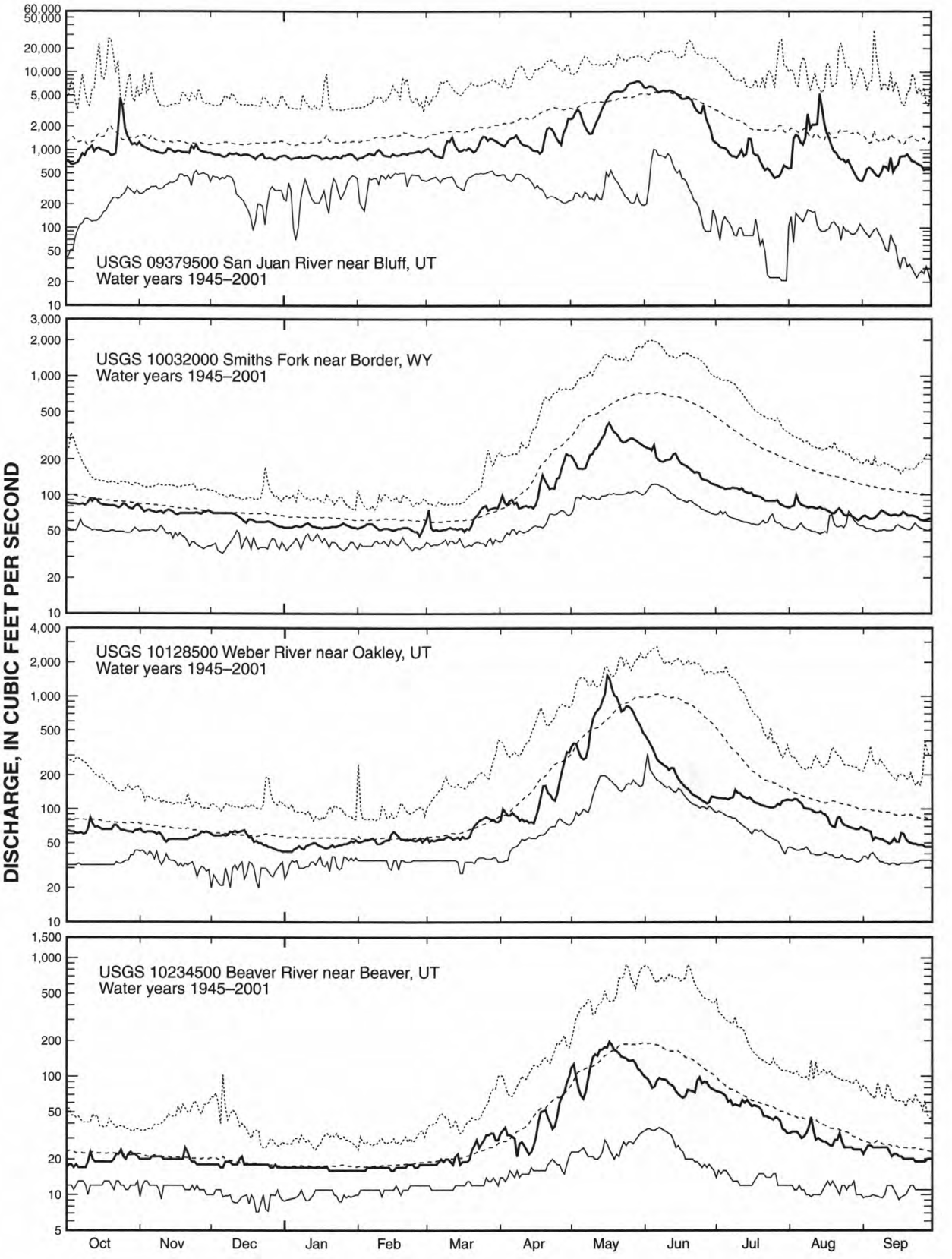


Figure 2. Comparison of daily mean discharge for water year 2001 with maximum, average, and minimum of the daily mean discharges water years 1945-2000 at seven long-term streamgaging stations in Utah and Wyoming--Continued.

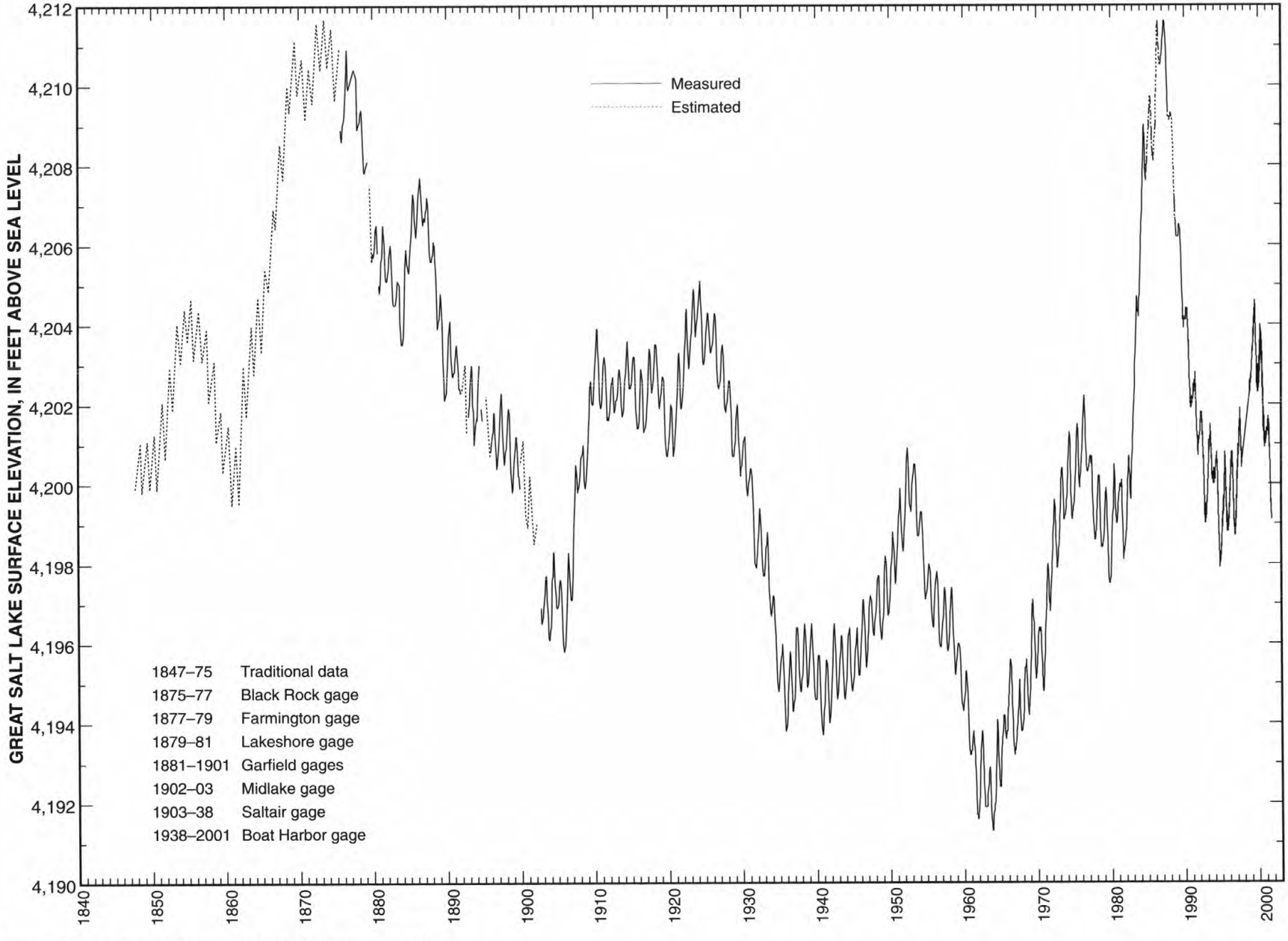


Figure 3. Fluctuations in elevation of Great Salt Lake, 1847-2001.

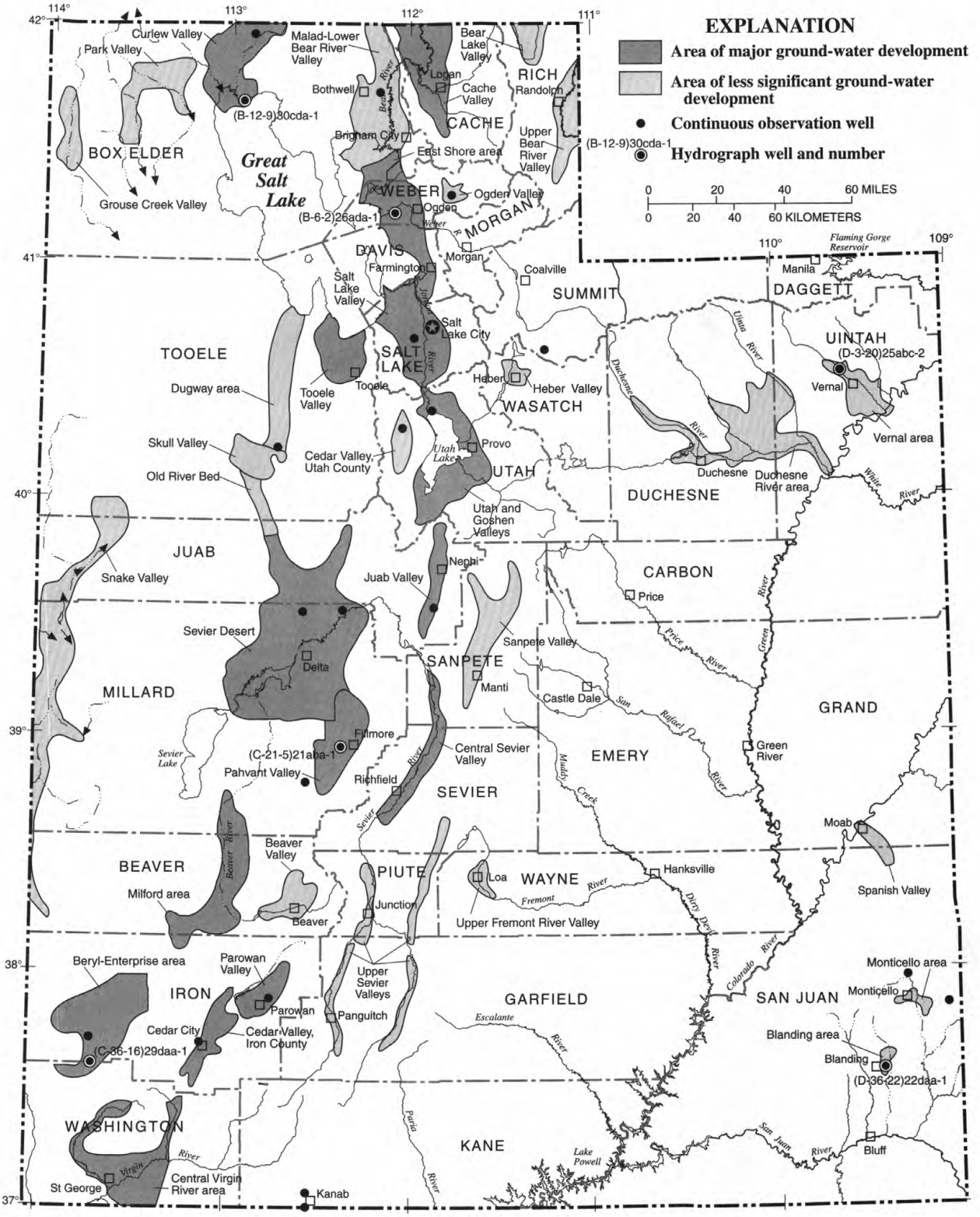


Figure 4. Areas of ground-water development and location of selected observation wells.

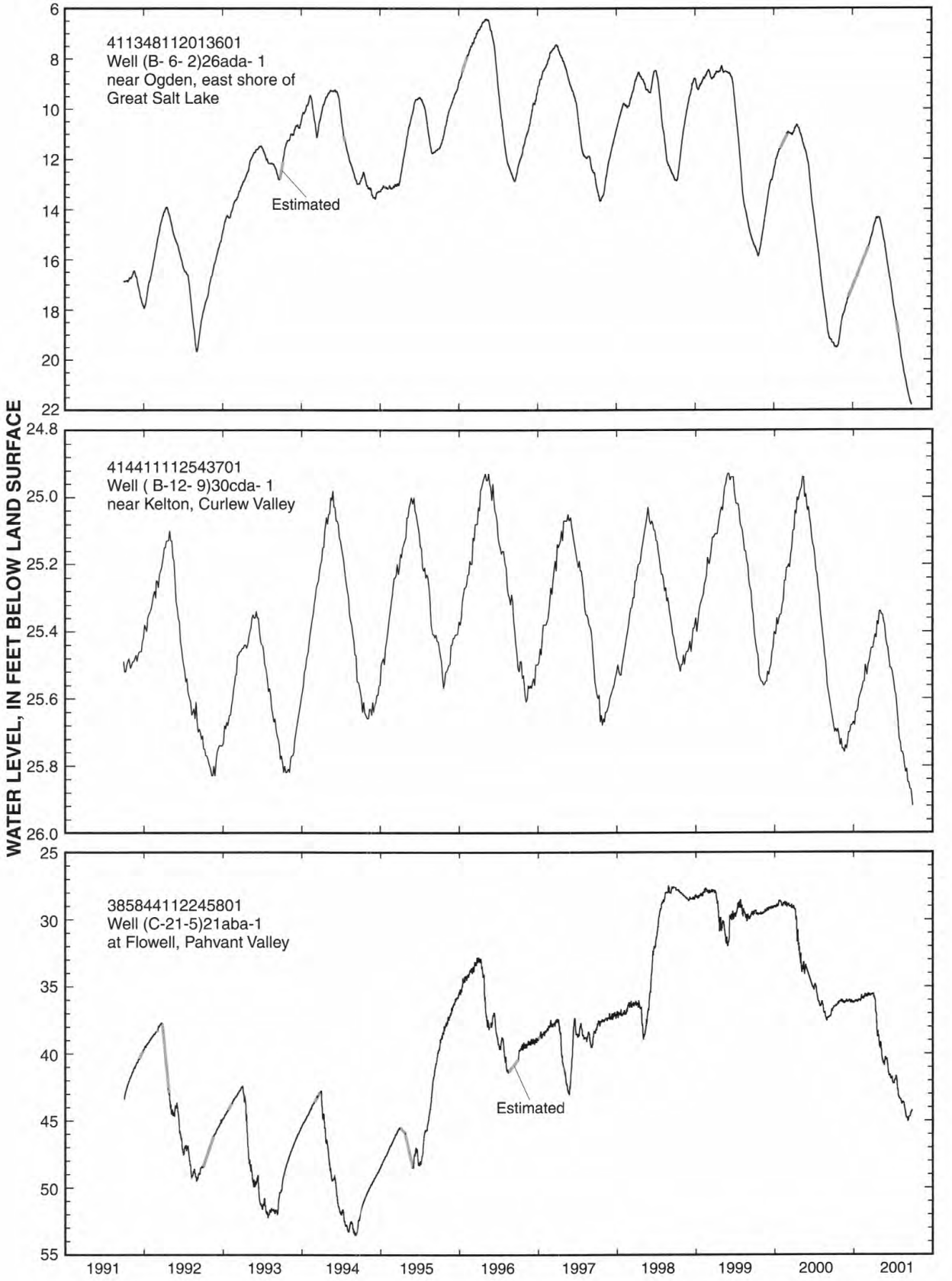


Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1992-2001.

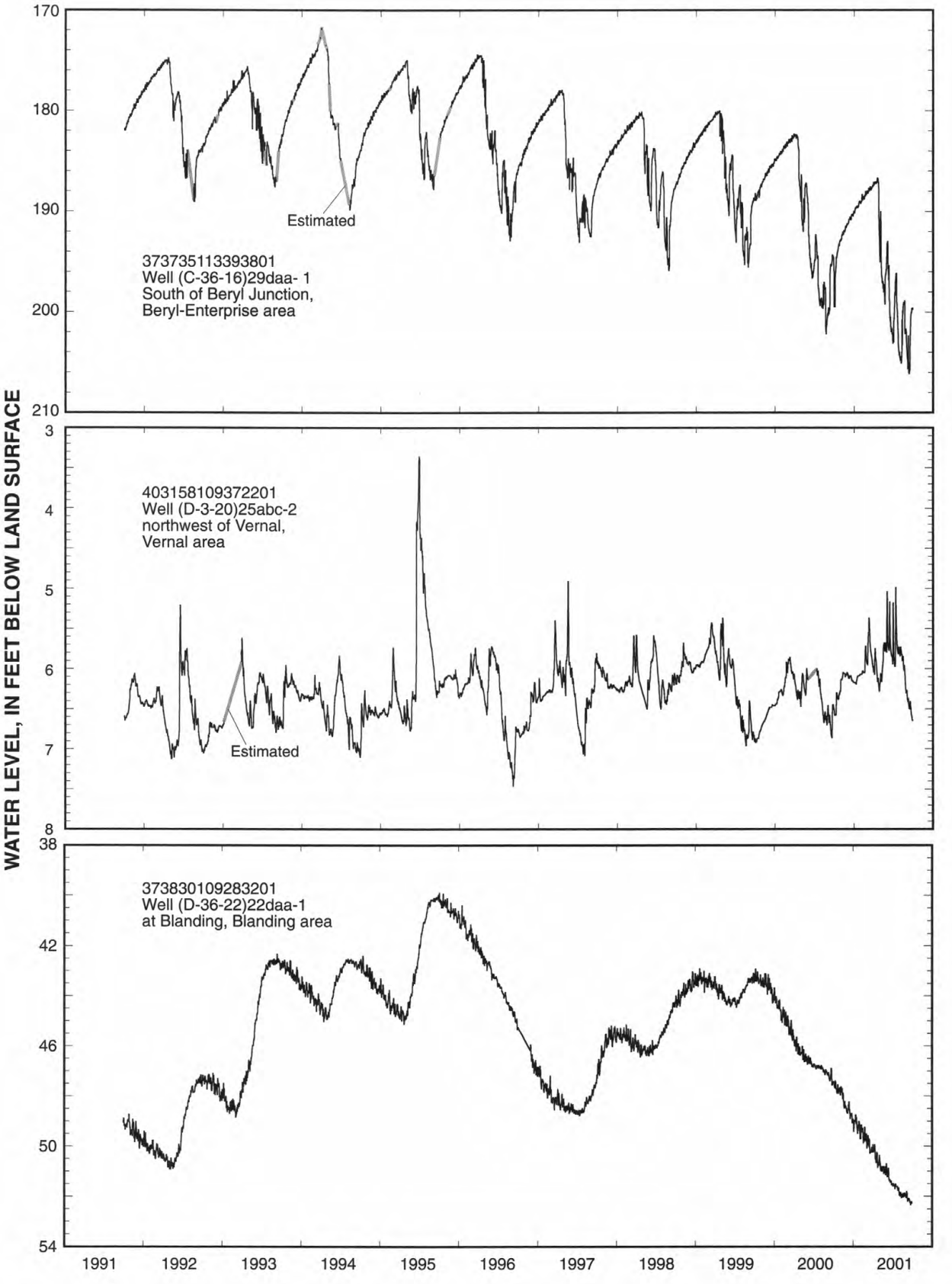


Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1992-2001--Continued.

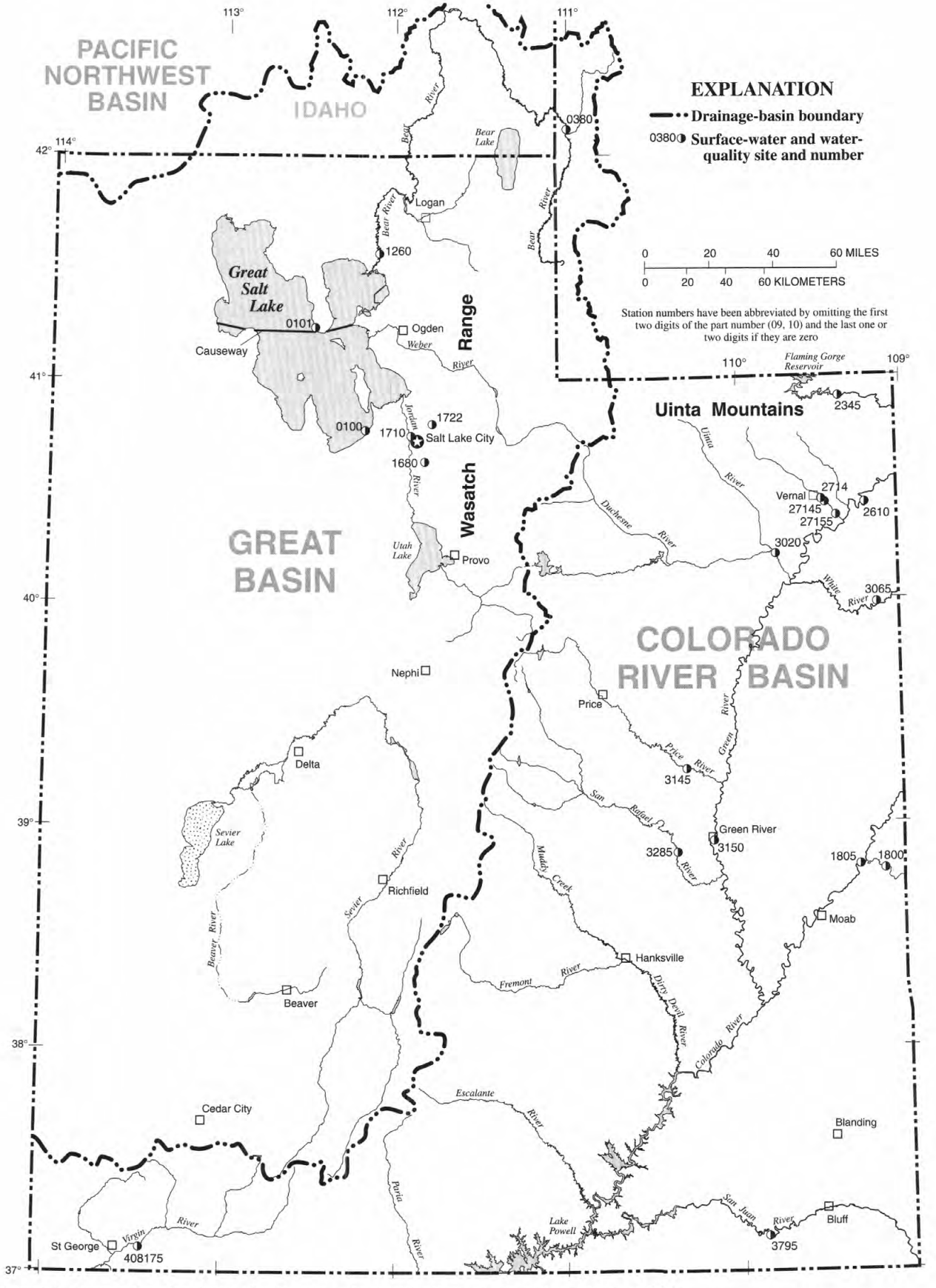


Figure 6. Location of surface-water sites at which water-quality data were collected in water year 2001.

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. 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 a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

Adenosine triphosphate (ATP) is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes ATP 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.

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 that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. 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.)

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.

Artificial substrate is a device that 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. (See also "Substrate")

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). (See also "Biomass")

Bacteria are microscopic unicellular organisims, 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.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peaks per year will be published.

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to

0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

Bedload discharge (tons per day) is rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload" and "Sediment")

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms 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.

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

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. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

Bottom material (See "Bed material")

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

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 $\pi r^3 h$.

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159...
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.

Cfs-day (See "Cubic foot per second-day")

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. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens *(C. perfringens)* is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of waters and of the survival and transport of viruses in the environment.

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. (See also "Aquifer")

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 where data are collected with sufficient frequency to define daily mean values and variations within a day.

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 gage. 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 or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

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, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

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. (See also "Annual runoff")

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Daily mean suspended-sediment concentration," "Sediment," and "Suspended-sediment concentration")

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data Collection Platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

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. (See also "Phytoplankton")

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

Discharge, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents such as sus-

pended sediment, bedload, and dissolved or suspended chemical constituents, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

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 and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water 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 concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

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

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

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas 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 contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

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. (See also "Wet weight")

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. (See also "Bacteria")

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive, the index usually decreases with pollution.

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. (See also "Bacteria")

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

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. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediments.

Fecal coliform bacteria 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. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestine of warm-blooded animals and are ubiquitous in the environment. 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. (See also "Bacteria")

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

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 a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly larger than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any National geodetic datum. However, if the elevation of the gage datum relative to the National datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the National datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

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.

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. (See also "Phytoplankton")

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily 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*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = sum\frac{(n)(a)}{N}$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

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 index stations referred to in this report are four continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

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 USGS. Each hydrologic unit is identified by an 8-digit number.

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. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

Laboratory Reporting Level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a non-detection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV—a term that is no longer used.)

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.

Long-Term Method Detection Level (LT–MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT–MDL data are collected on a continuous basis to assess year-to-year variations in the LT–MDL. The LT–MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT–MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

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.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

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

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

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.

Method Detection Limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

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. One microgram per liter is equivalent to 1 part per billion.

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.

Minimum Reporting Level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method (Timme, 1995).

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

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 fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, 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* (See "North American Vertical Datum of 1988")

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

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.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. first-order terrestrial leveling networks.

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), particulate organic carbon (POC), or total organic carbon (TOC).

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. (See also "Ash mass," "Biomass," and "Dry mass")

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.

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 USGS 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, as 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.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation to the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

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, mass, or volume.

Percent shading is determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, 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.

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. (See also "Plankton")

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 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).

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

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) 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. (See also "Primary productivity")

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. (See also "Primary productivity")

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 bed (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. (See also "Bed material")

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.

Return period (See "Recurrence interval")

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council, and typically used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Sea level, as used in this report, refers to one of the two commonly used national vertical datums, (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion of units page (inside back cover) for identification of the datum used in this report.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment 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 and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Seven-day 10-year low flow (7Q10) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the 7Q10 is 10 years; the chance that the annual 7-day minimum flow will be less than the 7Q10 is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

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. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water 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 MIL/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.

Substrate Embeddedness Class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

0	< no gravel or larger substrate		
1	> 75%		
2	51-75%	4	5-25%
3	26-50%	5	< 5%

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which 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 operationally defined as 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 water-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 directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also "Sediment")

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 analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

Suspended-sediment discharge (tons/day) is the rate of sediment transport, as measured by dry mass or volume, 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. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. 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. (See also "Sediment")

Suspended, total is the total amount of a given constituent in the part of a water-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 directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

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.

Taxa richness is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent Shading")

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

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

Temperature preferences:

Cold – preferred water temperature for the species is less than 20 °C or spawning temperature preference less than 16 °C and native distribution is considered to be predominantly north of 45° N. latitude.

Warm – preferred water temperatures for the species is greater than 20 °C or spawning temperature preference greater than 16 °C and native distribution is considered to be predominantly south of 45° N. latitude.

Cool – intermediate between cold and warm water temperature preferences.

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (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 a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample

consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

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. (See also "Bacteria")

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 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 organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume.")

Total recoverable is the amount of a given constituent in a whole-water sample after a 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 for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

Total sediment load or total load is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-Sediment Load," and "Total load")

Trophic group:
Filter feeder – diet composed of suspended plant and/or animal material.
Herbivore – diet composed predominantly of plant material.
Invertivore – diet composed predominantly of invertebrates.
Omnivore – diet composed of at least 25-percent plant and 25-percent animal material.
Piscivore – diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90

degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) 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 VOCs are human-made 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 table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

Water year in USGS 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, 2001, is called the "2001 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.

Wet mass is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

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

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. (See also "Plankton")

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.

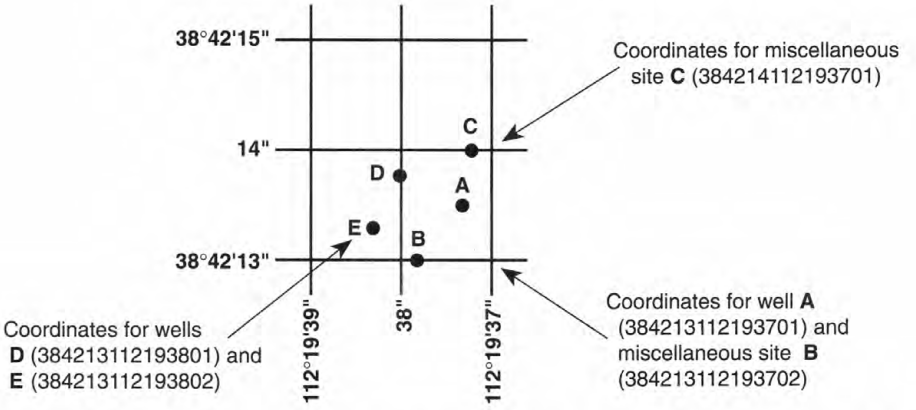


Figure 7. System for numbering wells and miscellaneous sites (latitude and longitude).

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 8. The capital letter at the beginning of the location number indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian--A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the township, the second the range, and the third the section in which the well is located. Lowercase letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counter-clockwise direction beginning with (a) in the northeast quarter of the section. Letters are assigned within each quarter section and quarter-quarter section in the same manner. Where two or more locations are within the smallest subdivision, consecutive numbers beginning with 1 are added to the letters in the order in which the wells are inventoried. For example, (C-16-9) 15daa-2 indicates a well in the northeast quarter of the northeast quarter of the southeast quarter of sec. 15, T. 16 S., R.9 W., and shows that this is the second well inventoried in the quarter-quarter-quarter section. The capital letter C indicates that the township is south of the Salt Lake Base Line and that the range is west of the Salt Lake Meridian.

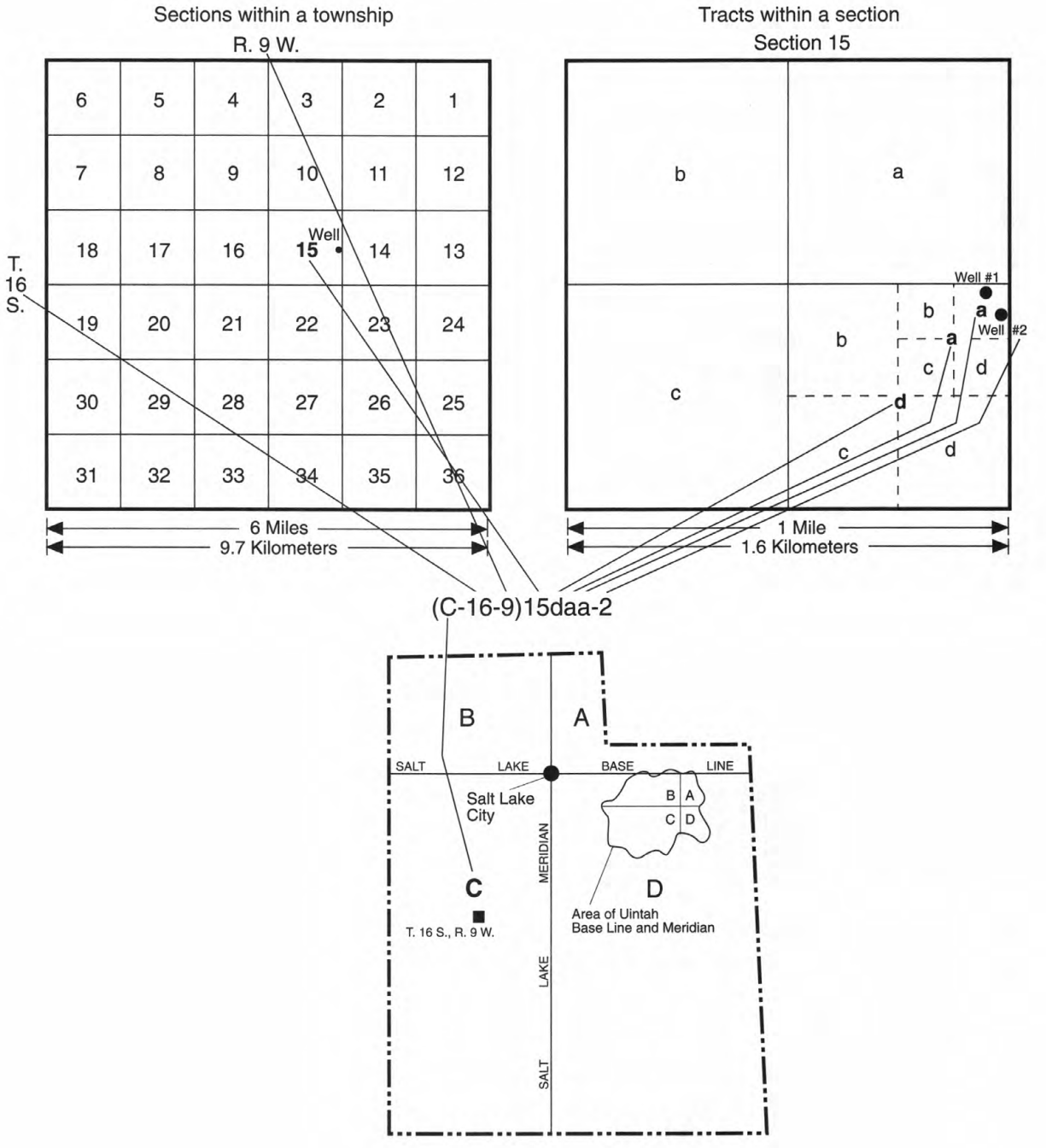


Figure 8. System for numbering wells and miscellaneous sites (township and range).

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

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities.

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

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

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. 9) consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records and other information are used to supplement base data in

determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuos graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, Water-Supply Paper 2175, and the U.S. Geological Survey Techniques of Water Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method in which correction factors based on individual discharge measurements and notes by engineers and observers are sued applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by a the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

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

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

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

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

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

Data Presentation

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

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

Station Manuscript

The manuscript provides, under various heading, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

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

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

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

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

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 continuous-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 continuous-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 Program Office, Illinois State Water Survey, 2204 Griffith Drive, Champaign, IL 61820-7495 (217-333-7873).

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 office 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 - 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 once daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections. During periods of rapidly changing flow or rapidly changing concentration samples may have been collected more frequently (twice daily). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.9927, 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. 10). 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 7 and 8).

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. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations, Book 1, Chap. D2; Book 3, Chap. A1, A3, and A4; Book 9, Chap. A1-A9. 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 various media. 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 p.

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 p.

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 p.

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

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 p.

2-E2. *Borehole geophysics applied to ground-water investigations,* by W.S. Keys: USGS–TWRI Book 2, Chap. E2. 1990. 150 p.

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 p.

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 p.

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 p.

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

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

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

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

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

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

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 p.

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

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 p.

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 p.

3-A13. *Computation of continuous records of streamflow,* by E.J. Kennedy: USGS–TWRI Book 3, Chap. A13. 1983. 53 p.

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

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS–TWRI Book 3, Chap. A15. 1984. 48 p.

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

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS–TWRI Book 3, Chap. A17. 1985. 38 p.

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 p.

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

3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI Book 3, Chap. A20. 1993. 38 p.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS–TWRI Book 3, Chap. A21. 1995. 56 p.

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 p.

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 p.

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 p.

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

3-B4. *Supplement 1. Regression modeling of ground-water flow --Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems,* by R.L. Cooley: USGS–TWRI Book 3, Chap. B4. 1993. 8 p.

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 p.

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 p.

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 p.

3-B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS–TWRI Book 3, Chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS–TWRI Book 3, Chap. C1. 1970. 55 p.

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 p.

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

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 p.

4-A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI Book 4, Chap. A2. 1968. 15 p.

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI Book 4, Chap. B1. 1972. 18 p.

4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI Book 4, Chap. B2. 1973. 20 p.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI Book 4, Chap. B3. 1973. 15 p.

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 p.

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 p.

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 p.

5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI Book 5, Chap. A3. 1987. 80 p.

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 p.

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 p.

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 p.

Section C. Sediment Analysis

5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI Book 5, Chap. C1. 1969. 58 p.

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 p.

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model,* by S.A. Leake and D.E. Prudic: USGS–TWRI Book 6, Chap. A2. 1991. 68 p.

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 p.

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 p.

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 p.

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 p.

Book 7. Automated Data Processing and Computations

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 p.

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 p.

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 p.

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 p.

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

Section B. Instruments for Measurement of Discharge

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 p.

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.

9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI Book 9, Chap. A2. 1998. 94 p.

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.

9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI Book 9, Chap. A4. 1999. 156 p.

9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI Book 9, Chap. A5. 1999, 149 p.

9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI Book 9, Chap. A6. 1998. Variously paginated.

9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI Book 9, Chap. A7. 1997 and 1999. Variously paginated.

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 p.

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 p.

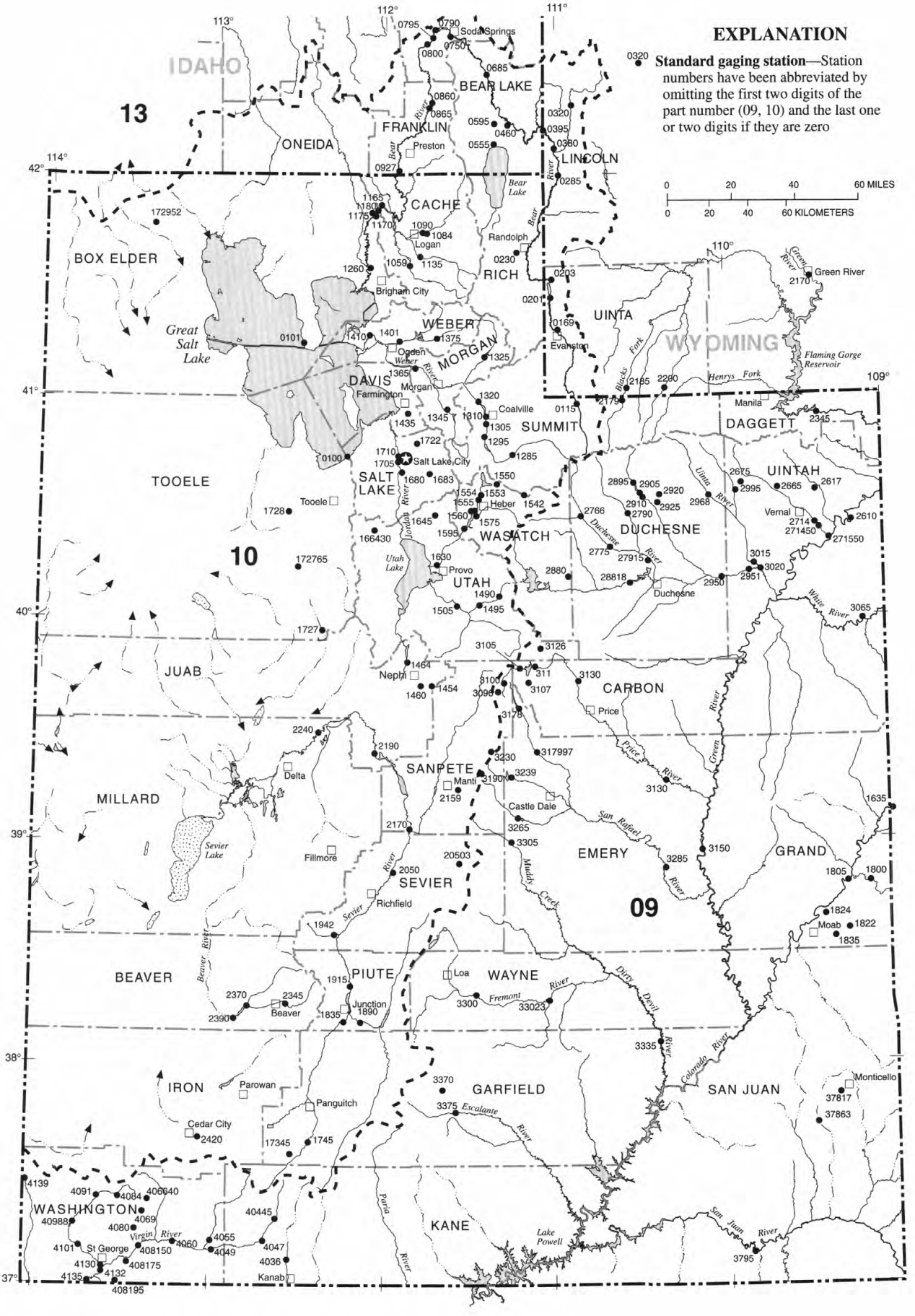


Figure 9. Location of U.S.G.S. gaging stations in Utah.

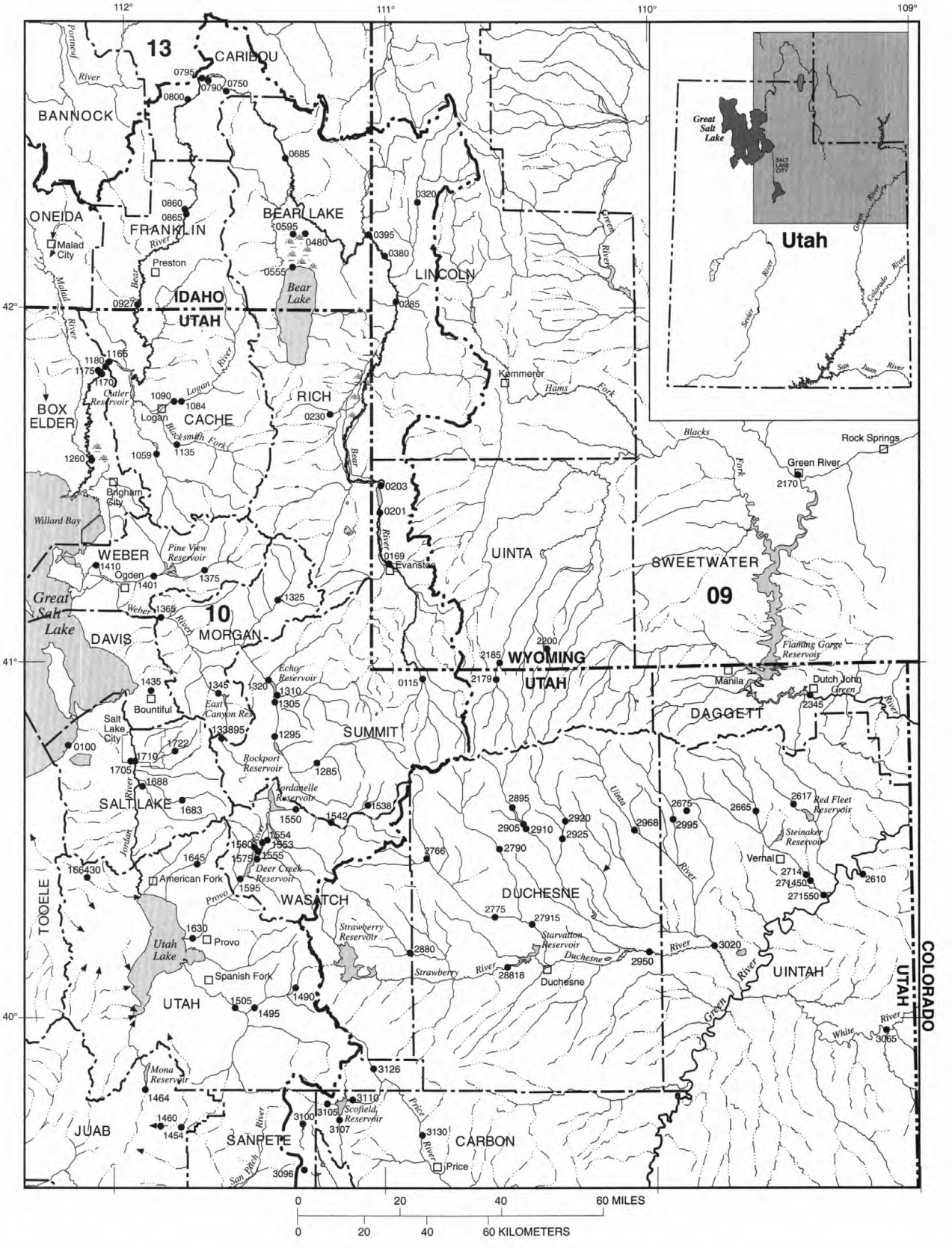


Figure 9. Location of U.S.G.S. gaging stations in Utah—Continued.

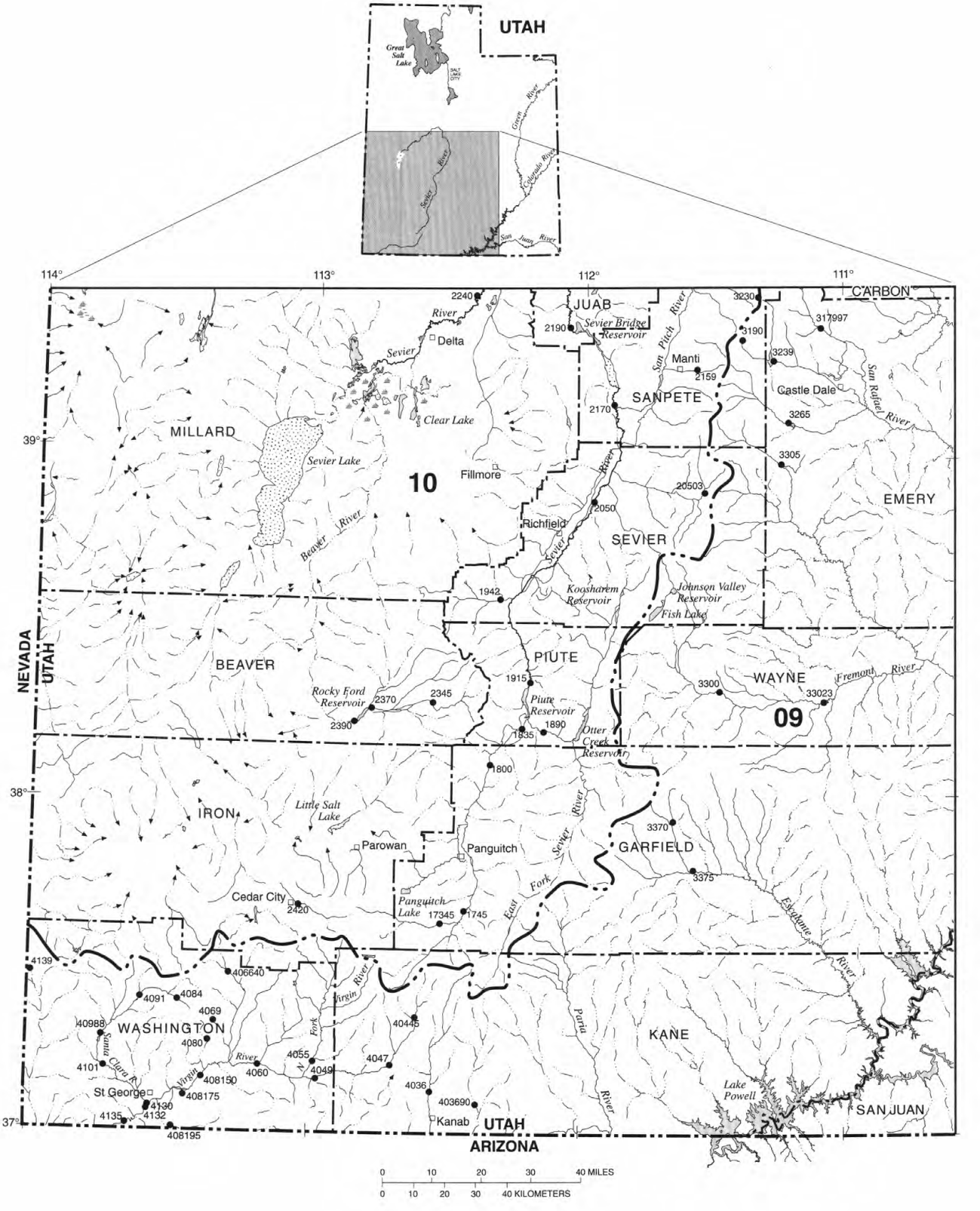


Figure 9. Location of U.S.G.S. gaging stations in Utah—Continued.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

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

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

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder with satellite telemetry 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 poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3280	4130	3020	2830	2430	2610	2960	6320	9920	3600	2530	3510
2	3200	3970	3020	2890	2470	2520	2940	6660	9910	3470	2650	3670
3	3090	3870	2850	2800	2420	2570	2710	7660	10400	3340	2800	3610
4	2910	3770	2890	2680	2520	2550	2940	7730	10200	3090	3340	3500
5	2900	3620	2820	2680	2550	2520	3100	6960	9260	2900	3240	3390
6	3140	3880	2860	2720	2570	2530	3360	6660	7900	2810	3170	3330
7	3240	3850	2830	2650	2570	2560	3410	6200	7240	2730	3040	3240
8	3200	3530	2900	2620	2760	2530	3500	5820	7520	2750	3470	3280
9	3160	3180	2900	2440	2690	2760	3470	5390	7750	2810	4010	3460
10	3150	3250	2910	2330	2550	2780	3190	5400	7680	2960	4200	3690
11	3170	3230	3060	2560	2480	3000	3080	5970	7720	3700	3830	3760
12	3340	3170	3040	2670	2490	3130	3090	6470	7440	3330	3450	3730
13	3390	3150	2950	2780	2530	2950	3120	7590	7050	3000	3200	3730
14	3410	3060	2920	2770	2560	2630	3120	8900	6710	3080	e3600	3960
15	3420	2940	2990	2670	2610	2670	2830	10800	6250	4220	e3600	3890
16	3520	2940	3010	2570	2590	2630	2690	11300	5400	4940	e3500	3670
17	3470	3020	2940	2340	2580	2670	2530	12200	4880	4740	e3400	3670
18	3480	2950	2690	2250	2490	2650	2510	13000	4560	4060	e3400	3780
19	3370	2810	2650	2350	2500	2670	2770	12600	4550	3460	e3350	4000
20	3310	2930	2700	2370	2550	2650	3360	12800	4400	2940	e3320	4010
21	3230	3100	2630	2490	2620	2660	4180	12500	4380	2770	e3700	3890
22	3280	2970	2840	2510	2640	2760	4290	11500	4290	2540	e4600	3700
23	3330	3160	2890	2560	2680	2840	3870	9680	4320	2250	e4300	3440
24	3620	3180	2920	2650	2730	3240	3520	8990	4110	2170	4430	3310
25	3770	3080	3050	2650	2600	3320	3030	9460	4020	2110	4150	3290
26	3810	3030	2950	2700	2550	3380	2860	10100	4170	2100	3940	3080
27	3760	3060	2930	2660	2560	3380	3180	10200	4260	2560	3730	2950
28	3710	3050	2700	2630	2590	3360	4040	9890	4710	2610	3510	2890
29	3730	3090	2650	2640	---	3260	5370	10600	4420	2600	3270	2890
30	3770	3060	2650	2580	---	3120	6140	10400	3880	2460	3160	2820
31	4040	---	2710	2470	---	2960	---	9790	---	2350	3260	---
TOTAL	105200	98030	88870	80510	71880	87860	101160	279540	189300	94450	109150	105140
MEAN	3394	3268	2867	2597	2567	2834	3372	9017	6310	3047	3521	3505
MAX	4040	4130	3060	2890	2760	3380	6140	13000	10400	4940	4600	4010
MIN	2900	2810	2630	2250	2420	2520	2510	5390	3880	2100	2530	2820
AC-FT	208700	194400	176300	159700	142600	174300	200700	554500	375500	187300	216500	208500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	4032	4049	3623	3396	3462	3911	5917	14230	17230	7844	3967	3714
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	1651800		1411090			
ANNUAL MEAN	4513		3866		6313	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	17000	May 31	13000	May 18	68300	May 27 1984
LOWEST DAILY MEAN	2560	Jan 31	2100	Jul 26	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2700	Jul 22	2330	Jul 22	1110	Sep 2 1956
MAXIMUM PEAK FLOW			13200	May 18	a69800	May 27 1984
MAXIMUM PEAK STAGE			7.33	May 18	b16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	3276000		2799000		4573000	
10 PERCENT EXCEEDS	8320		6680		13800	
50 PERCENT EXCEEDS	3330		3160		4010	
90 PERCENT EXCEEDS	2830		2550		2290	

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. 1-30, Dec 18 to Feb 6, which are fair, and the period Aug 4-8, which is 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: 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/cm Aug. 13, 1981; minimum, 277 microsiemens/cm June 11, 1985.
WATER TEMPERATURE: Maximum, 27.4°C July 8, 2001; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,330 microsiemens/cm, Jan. 20; minimum, 440 microsiemens/cm, May 18.
WATER TEMPERATURE: Maximum, 27.4°C, July 8; minimum, 0.0°C, on many days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
30...	1020	3820	1190	8.3	11.3	9.3	385	102	31.4	88.6	1.97	3.75	172
NOV													
28...	1300	3070	1240	8.6	3.6	13.0	383	99.3	32.8	105	2.34	3.79	177
DEC													
18...	1140	2760	1230	8.6	1.0	13.9	375	97.9	31.8	111	2.50	3.51	166
JAN													
11...	1110	2400	1280	8.3	1.0	12.9	364	95.0	30.7	114	2.60	3.96	207
FEB													
06...	1020	2590	1250	8.4	2.4	11.8	348	90.5	29.6	118	2.74	3.91	184
MAR													
08...	1100	2550	1220	8.2	8.0	9.8	323	84.0	27.4	112	2.72	3.90	183
APR													
03...	1110	2750	1050	8.2	12.5	8.9	300	77.9	25.7	91.9	2.31	3.63	167
MAY													
08...	1130	5910	751	8.0	15.0	8.3	246	66.1	19.7	52.4	1.45	2.64	132
JUN													
14...	1100	6930	663	8.3	14.5	8.7	231	64.4	16.9	44.5	1.28	2.39	98
JUL													
09...	1330	2920	1100	8.2	26.0	7.8	376	101	29.8	86.0	1.93	3.76	157
AUG													
14...	1245	3740	1190	8.2	23.1	7.4	423	116	32.4	89.0	1.88	4.09	176
SEP													
10...	1500	3780	1130	8.5	17.3	9.8	398	108	31.5	85.6	1.87	3.38	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
30...	6	--	151	321	83.4	.4	8.5	784	733	1.1	8090	.009	.586
NOV													
28...	6	--	155	307	108	.4	8.0	808	760	1.1	6700	.011	.606
DEC													
18...	10	--	152	297	117	.4	8.4	792	762	1.1	5910	.013	.674
JAN													
11...	--	--	170	282	131	.4	8.2	814	770	1.1	5270	.021	.739
FEB													
06...	3	--	156	269	132	.4	5.3	790	744	1.1	5520	.011	.473
MAR													
08...	--	--	150	257	130	.3	5.7	756	712	1.0	5210	.010	.374
APR													
03...	--	--	137	233	96.8	.3	7.9	670	621	.9	4970	.012	.419
MAY													
08...	--	--	108	182	42.9	.2	9.9	496	443	.7	7910	.014	.513
JUN													
14...	--	--	88	156	41.9	.3	6.6	420	382	.6	7860	.006	.327
JUL													
09...	--	--	129	296	82.4	.3	7.4	764	687	1.0	6020	.027	.596
AUG													
14...	--	--	144	332	85.7	.4	12.5	814	763	1.1	8220	.021	1.10
SEP													
10...	--	147	--	320	80.4	.4	8.7	780	727	1.1	7960	.018	.527

DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT										
30...	<.041	--	.46	.20	.085	.008	<.018	<10	6.8	5.5
NOV										
28...	<.041	--	.24	.16	.019	<.006	<.018	<10	19.1	5.2
DEC										
18...	<.041	--	.23	.16	.014	E.004	<.018	<10	25.2	5.3
JAN										
11...	<.041	--	.24	.18	.015	E.003	<.018	10	38.0	4.8
FEB										
06...	<.041	--	.37	.18	.019	E.005	<.018	<10	41.2	5.2
MAR										
08...	.077	.175	.68	.25	.101	.010	<.018	M	29.9	4.2
APR										
03...	E.037	--	.47	.29	.086	.014	<.018	M	15.0	4.3
MAY										
08...	<.041	--	.90	.32	.235	.032	.040	M	4.4	3.7
JUN										
14...	<.040	--	.39	.20	.082	.018	<.020	M	E2.8	2.9
JUL										
09...	E.031	--	.54	.26	.128	.020	<.020	<10	<3.0	5.1
AUG										
14...	E.037	--	1.1	.23	.425	.035	.024	<10	<3.0	5.2
SEP										
10...	<.040	--	.36	.21	.068	.009	<.020	<10	4.9	5.4

E Estimated laboratory analysis value.
M Presence of material verified but not quantified.

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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							
30...	1020	3820	11.3	63	646	--	3039
30...	1100	3740	11.3	69	694	--	3009
NOV							
28...	1230	3070	3.6	14	117	--	3009
28...	1300	3070	3.6	8	63	--	3039
DEC							
18...	1110	2760	1.0	9	66	--	3009
18...	1140	2760	1.0	8	61	--	3039
JAN							
11...	1040	2300	1.0	27	169	--	3009
11...	1110	2400	1.0	8	54	--	3039
FEB							
06...	1000	2590	2.4	7	48	--	3009
06...	1020	2590	2.4	4	25	--	3039
MAR							
08...	1040	2550	8.0	149	1030	--	3009
08...	1100	2550	8.0	192	1320	--	3039
APR							
03...	1040	2790	12.5	91	684	--	3009
03...	1110	2750	12.5	74	549	--	3039
MAY							
08...	1100	5930	15.0	344	5510	92	3009
08...	1130	5910	15.0	256	4080	--	3039
JUN							
14...	1030	6930	14.5	78	1460	79	3009
14...	1100	6930	14.5	59	1100	--	3039
JUL							
09...	1300	2920	26.0	120	945	--	3009
09...	1330	2920	26.0	95	751	--	3039
AUG							
14...	1100	3780	23.1	524	5350	--	3009
14...	1245	3740	23.1	593	5990	--	3039
SEP							
10...	1425	3800	17.3	43	439	--	3009
10...	1500	3780	17.3	51	525	--	3039

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1150	1090	1120	1220	1190	1200	1200	1190	1200	1230	1190	1210
2	1170	1140	1160	1210	1190	1200	1200	1190	1200	1220	1200	1210
3	1180	1150	1170	1210	1190	1200	1230	1200	1210	1220	1160	1190
4	1190	1180	1180	1210	1200	1200	1210	1170	1190	1190	1150	1170
5	1220	1190	1200	1200	1200	1200	1270	1210	1230	1190	1160	1180
6	---	---	---	1200	1180	1190	1300	1230	1260	1200	1170	1180
7	---	---	---	1180	1170	1170	1300	1260	1290	1230	1180	1200
8	---	---	---	1180	1170	1180	1300	1280	1290	1240	1200	1220
9	1240	1220	1230	1210	1180	1200	1310	1250	1290	1270	1210	1250
10	1240	1230	1230	1250	1210	1230	1260	1240	1250	1280	1250	1270
11	1240	1220	1220	1280	1250	1270	1280	1250	1260	1280	---	---
12	1220	1220	1220	1280	1270	1280	1260	1250	1250	1270	---	---
13	1220	1210	1220	1280	1260	1270	1260	1230	1250	1250	1230	1240
14	1220	1210	1220	1280	1270	1280	1240	1210	1220	1230	1150	1180
15	1210	1200	1210	1280	1270	1270	1240	1210	1220	1200	1150	1180
16	1200	1190	1200	1270	1260	1270	1250	1220	1240	1200	---	---
17	1200	1190	1200	1300	1260	1270	1230	1200	1220	1220	---	---
18	1200	1190	1190	1310	1300	1300	1230	1200	1220	1240	---	---
19	1210	1190	1200	1310	1270	1290	1230	1190	1210	1280	---	---
20	1220	1200	1210	1280	1250	1260	1270	---	---	1330	1240	1270
21	1220	1210	1220	1280	1260	1270	1270	---	---	1280	1240	1250
22	1240	1220	1240	1280	1260	1280	1280	---	---	1290	1250	1280
23	1240	1230	1240	1270	1240	1250	1280	---	---	1310	1230	1280
24	1240	1220	1230	1250	1230	1240	1250	1180	1210	1270	1180	1230
25	1230	1220	1230	1240	1220	1230	1200	1180	1190	1250	1210	1230
26	1220	1210	1220	1230	1210	1220	1190	1150	1170	1260	1190	1220
27	1230	1200	1210	1230	1210	1220	1170	1130	1150	1220	1180	1200
28	1210	1200	1210	1240	1210	1230	1180	1160	1170	1210	1190	1200
29	1210	1200	1200	1220	1200	1210	1170	1150	1160	1210	1180	1200
30	1220	1190	1200	1230	1200	1210	1200	1170	1180	1220	1200	1210
31	1220	1200	1210	---	---	---	1230	1200	1210	1220	1200	1210
MONTH	---	---	---	1310	1170	1240	1310	---	---	1330	---	---

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 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1220	1200	1210	1190	1160	1180	1090	986	1030	680	548	644
2	1220	1200	1210	1200	1180	1190	1030	1020	1020	638	603	623
3	1220	1210	1210	1210	1190	1200	1090	1010	1040	603	561	576
4	1220	1190	1210	1210	1200	1210	1060	1030	1040	568	535	551
5	1240	1200	1230	1210	1180	1190	1090	1030	1050	613	565	587
6	1230	1190	1210	1200	1180	1180	1030	1000	1020	654	612	630
7	1210	1180	1200	1200	1190	1190	1000	970	989	723	654	694
8	1190	1170	1180	1200	1190	1190	974	952	964	752	723	744
9	1180	1160	1170	1220	1170	1190	990	971	983	756	744	749
10	1190	1170	1180	1190	1150	1170	988	969	977	771	756	761
11	1220	1190	1210	1160	1100	1120	992	983	988	773	745	762
12	1210	1170	1190	1150	1090	1110	1000	991	996	745	700	714
13	1190	1170	1180	1150	1080	1110	1020	995	1010	700	628	661
14	1210	1180	1200	1180	1140	1160	1040	1010	1030	628	556	594
15	1200	1160	1180	1180	1150	1160	1040	1010	1020	556	470	511
16	1170	1160	1170	1210	1150	1190	1020	1010	1020	480	463	472
17	1180	1170	1170	1210	1170	1190	1060	1020	1040	479	455	468
18	1170	1140	1160	1170	1080	1120	1060	1050	1060	455	440	449
19	1150	1140	1140	1120	1090	1100	1060	1040	1050	460	442	453
20	1160	1140	1150	1160	1120	1150	1050	934	993	462	455	458
21	1160	1150	1160	1150	1130	1140	934	842	885	467	456	461
22	1170	1150	1160	1160	1120	1130	842	781	799	476	459	469
23	1160	1140	1150	1170	1120	1140	782	773	777	521	476	498
24	1190	1150	1170	1120	1090	1100	816	780	793	552	521	538
25	1180	1150	1170	1110	1040	1080	884	816	853	553	534	547
26	1170	1140	1160	1060	1020	1030	913	884	901	534	512	519
27	1180	1160	1170	1060	993	1010	923	896	908	512	501	503
28	1190	1170	1180	1000	989	998	922	862	897	512	493	501
29	---	---	---	1010	987	996	862	752	791	515	500	510
30	---	---	---	1000	976	989	753	679	710	500	485	493
31	---	---	---	987	974	980	---	---	---	509	491	499
MONTH	1240	1140	1180	1220	974	1130	1090	679	954	773	440	569

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	512	501	508	959	919	943	1240	1200	1210	1180	1150	1170
2	519	503	511	986	954	972	1230	1210	1220	1150	1120	1140
3	515	498	505	1010	980	998	1220	1180	1210	1130	1120	1120
4	505	489	497	1040	1010	1020	1180	1110	1150	1130	1110	1120
5	525	496	506	1060	1030	1050	1110	1050	1080	1140	1120	1130
6	572	525	547	1090	1060	1080	1060	999	1030	1150	1120	1140
7	614	572	594	1100	1070	1090	999	970	980	1140	1130	1130
8	619	608	614	1100	1080	1090	976	947	967	1140	1130	1130
9	608	585	593	1130	1050	1100	---	---	---	1130	1110	1120
10	587	575	579	1140	1130	1130	---	---	---	1110	1090	1100
11	580	569	576	1150	1010	1070	---	---	---	1090	1070	1080
12	591	578	584	1050	989	1030	---	---	---	1080	1060	1070
13	607	584	599	1060	1030	1040	---	---	---	1080	1070	1080
14	---	607	---	1130	1040	1060	---	---	---	1130	1070	1100
15	---	---	---	1240	984	1130	---	---	---	1110	1080	1090
16	---	---	---	1210	1070	1110	---	---	---	1110	1080	1100
17	---	---	---	1100	955	1000	---	---	---	1250	1100	1130
18	---	---	---	988	925	949	---	---	---	1170	1110	1130
19	---	---	---	1020	884	960	---	---	---	1130	1110	1120
20	---	---	---	1090	1010	1050	---	---	---	1130	1110	1120
21	---	---	---	1130	1090	1110	---	---	---	1130	1100	1110
22	885	860	878	1160	1120	1140	---	---	---	1120	1100	1110
23	876	860	869	1160	1140	1150	---	---	---	1110	1090	1100
24	886	862	873	1180	1120	1160	1280	1130	1210	1130	1100	1120
25	895	867	884	1160	1120	1140	1210	1130	1160	1150	1130	1140
26	925	887	909	1160	1130	1150	1140	1130	1130	1160	1140	1150
27	925	902	916	1190	1130	1150	1140	1130	1140	1190	1150	1160
28	913	877	899	1180	1140	1160	1160	1140	1150	1170	1160	1170
29	895	873	884	1220	1160	1200	1170	1140	1160	1180	1170	1180
30	926	895	914	1200	1100	1150	---	---	---	1180	1160	1170
31	---	---	---	1210	1150	1180	1180	1170	1170	---	---	---
MONTH	---	---	---	1240	884	1080	---	---	---	1250	1060	1120

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.7	16.0	16.9	9.8	8.9	9.3	3.5	2.5	2.9	1.1	.0	.5
2	17.7	15.9	16.9	9.1	8.2	8.6	3.1	2.2	2.6	1.1	.0	.5
3	17.7	16.2	17.0	8.3	7.0	7.7	2.6	1.7	2.2	1.0	.0	.4
4	17.6	16.2	16.9	7.8	6.8	7.3	2.4	1.3	1.8	.8	.0	.3
5	17.4	15.7	16.5	8.1	7.4	7.7	2.3	1.2	1.8	.8	.0	.3
6	16.4	14.5	15.5	7.5	6.4	7.2	2.3	1.2	1.7	1.0	.0	.4
7	15.8	13.8	14.8	6.4	4.6	5.5	2.5	1.3	1.9	.9	.0	.3
8	15.2	13.5	14.4	4.6	3.5	4.0	2.2	1.4	1.9	.6	.0	.2
9	15.3	13.6	14.4	5.0	3.6	4.2	3.1	2.1	2.6	.2	.0	.0
10	14.8	13.8	14.2	4.6	4.3	4.4	3.7	2.6	3.1	.6	.0	.2
11	14.0	12.9	13.4	4.7	4.2	4.5	3.2	2.3	2.7	---	---	---
12	13.7	12.1	12.9	4.2	3.3	3.7	3.0	2.6	2.8	---	---	---
13	12.9	11.7	12.4	3.6	2.5	3.1	2.8	2.2	2.5	2.3	.4	1.4
14	13.0	11.4	12.2	2.7	1.7	2.2	2.7	2.1	2.4	1.9	1.0	1.5
15	12.6	10.9	11.8	2.8	1.3	2.0	2.6	1.9	2.2	1.0	.0	.5
16	12.4	10.8	11.6	2.6	1.2	1.9	2.2	1.4	1.8	.8	.0	.3
17	12.4	10.7	11.6	2.2	.9	1.6	1.7	.8	1.3	.4	.0	.1
18	12.4	10.8	11.5	1.6	.4	1.0	.8	.0	.3	.0	.0	.0
19	12.4	10.8	11.5	1.0	.0	.5	.1	.0	.0	.0	.0	.0
20	12.5	10.8	11.6	1.0	.0	.4	.2	.0	.0	.7	.0	.2
21	12.1	10.9	11.5	1.2	.1	.7	.0	.0	.0	.5	.0	.2
22	12.4	11.1	11.7	1.9	.7	1.2	.0	.0	.0	.4	.0	.1
23	12.1	11.5	11.8	2.7	1.3	1.9	.5	.0	.1	1.0	.0	.3
24	11.7	11.3	11.5	2.9	1.7	2.3	.7	.0	.3	1.0	.0	.4
25	11.9	10.8	11.3	3.8	2.4	3.0	1.5	.2	.9	1.5	.3	.9
26	11.6	10.2	10.9	3.9	2.8	3.3	.9	.0	.4	1.5	.7	1.0
27	11.3	10.6	10.9	4.1	3.2	3.5	.8	.0	.2	2.0	1.0	1.4
28	11.6	10.9	11.1	3.7	2.8	3.2	1.0	.0	.4	2.0	1.3	1.7
29	11.3	10.3	10.8	3.7	2.6	3.1	.8	.0	.3	2.6	1.3	1.9
30	11.5	10.7	11.0	3.7	2.7	3.2	1.0	.0	.4	2.1	.8	1.5
31	10.9	9.8	10.2	---	---	---	1.1	.0	.4	1.7	.5	1.1
MONTH	17.7	9.8	12.9	9.8	.0	3.7	3.7	.0	1.4	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.7	.0	.8	6.5	4.8	5.5	13.6	11.0	12.2	16.2	15.1	15.7
2	2.0	.6	1.2	7.2	5.0	6.0	13.7	12.3	13.0	16.1	13.6	14.9
3	2.4	.7	1.5	7.9	6.0	6.8	13.5	12.2	12.8	13.6	12.1	12.5
4	2.7	.8	1.7	8.1	5.7	6.8	14.4	12.6	13.3	12.4	11.3	11.8
5	3.4	1.4	2.3	7.6	6.2	6.9	13.8	12.0	12.6	12.6	11.1	11.9
6	3.7	2.0	2.8	8.1	6.2	7.1	12.4	11.4	11.9	13.6	11.9	12.7
7	5.0	3.1	3.8	8.5	7.4	7.9	11.6	9.9	10.5	14.9	12.7	13.7
8	5.5	4.3	4.7	9.3	6.7	8.0	11.1	9.6	10.4	16.3	14.1	15.2
9	4.4	2.1	2.9	9.6	7.8	8.7	11.6	9.3	10.4	17.1	15.3	16.2
10	2.4	1.0	1.7	9.9	8.3	9.1	11.1	10.1	10.5	17.6	16.2	16.9
11	2.7	1.1	1.8	9.5	8.6	9.0	11.3	8.6	9.9	17.9	16.2	17.1
12	2.6	1.6	2.1	9.4	7.7	8.5	10.7	9.7	10.1	18.1	16.5	17.3
13	4.2	1.9	2.8	10.3	7.9	9.0	11.5	9.0	10.1	18.0	16.8	17.3
14	4.6	3.4	4.0	9.4	7.7	8.6	12.7	10.3	11.4	18.0	16.2	17.1
15	5.8	4.0	4.7	8.9	6.6	7.7	13.8	10.9	12.2	17.8	16.1	17.0
16	5.1	3.6	4.4	7.9	7.0	7.4	15.1	11.8	13.3	17.0	15.3	16.1
17	5.5	3.4	4.4	8.2	6.4	7.3	16.2	13.2	14.6	16.2	14.7	15.3
18	5.1	4.2	4.6	9.2	6.5	7.7	16.4	14.3	15.4	15.4	13.6	14.5
19	6.3	4.1	5.0	10.5	7.6	8.9	17.1	14.7	15.8	15.7	13.7	14.7
20	6.7	4.6	5.7	11.5	8.7	10.0	16.5	14.4	15.1	16.2	14.4	15.3
21	7.8	5.8	6.6	12.7	10.1	11.4	14.4	13.0	13.6	15.3	13.7	14.5
22	7.9	6.2	6.9	13.8	11.5	12.4	13.0	11.8	12.6	15.3	12.9	14.2
23	7.3	5.9	6.5	14.0	11.7	12.8	13.4	10.7	12.0	16.5	13.7	15.1
24	6.4	5.0	5.7	14.3	12.1	13.1	14.8	11.7	13.1	17.7	15.0	16.4
25	7.1	5.6	6.2	13.6	12.0	12.8	16.2	12.9	14.4	17.8	16.1	17.2
26	6.6	4.7	5.3	12.5	11.6	12.0	17.6	14.4	15.8	17.9	16.1	17.2
27	6.2	4.7	5.2	13.1	11.0	11.9	18.4	15.6	16.9	17.7	15.8	16.7
28	5.5	4.8	5.1	12.2	10.7	11.5	18.8	16.2	17.3	17.1	15.9	16.6
29	---	---	---	12.3	10.6	11.3	17.6	15.8	16.5	17.6	15.6	16.7
30	---	---	---	12.6	10.4	11.4	16.4	14.7	15.7	17.7	15.5	16.7
31	---	---	---	12.7	10.1	11.4	---	---	---	18.2	16.0	17.1
MONTH	7.9	.0	3.9	14.3	4.8	9.3	18.8	8.6	13.1	18.2	11.1	15.5

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.6	16.3	17.6	24.8	23.3	24.0	24.8	21.9	23.3	22.0	20.0	21.0
2	18.2	16.5	17.5	23.3	21.7	22.5	25.1	22.2	23.6	22.3	20.3	21.2
3	18.0	16.2	17.1	25.1	21.8	23.3	25.6	23.1	24.2	22.1	20.0	21.0
4	17.3	15.6	16.5	26.4	23.6	24.9	25.3	22.7	24.0	21.4	20.1	20.7
5	16.9	14.8	15.9	26.6	23.7	25.0	25.9	23.8	24.7	21.5	19.4	20.5
6	18.2	15.5	16.8	26.8	24.1	25.3	25.8	23.7	24.7	21.0	19.3	20.2
7	19.7	17.0	18.3	26.6	24.3	25.4	24.6	23.2	24.0	19.3	17.5	18.3
8	20.3	18.0	19.3	27.4	24.2	25.6	23.8	22.7	23.1	18.8	16.7	17.7
9	20.9	18.7	19.9	27.2	23.7	25.4	24.4	21.8	23.1	17.7	15.4	16.6
10	20.7	19.0	20.0	26.0	23.9	24.9	24.0	22.9	23.4	18.0	15.4	16.6
11	20.1	18.6	19.4	25.3	22.1	23.9	23.9	22.4	23.2	18.5	16.1	17.2
12	19.9	17.9	18.7	25.2	22.7	23.9	24.9	22.3	23.5	18.8	16.8	17.8
13	18.3	15.8	16.8	24.5	22.6	23.4	24.1	22.0	22.9	19.4	17.8	18.5
14	16.5	13.9	14.8	22.6	21.5	22.1	---	---	---	19.6	17.8	18.6
15	---	---	---	22.7	20.2	21.5	---	---	---	19.8	17.8	18.8
16	---	---	---	22.1	20.3	21.3	---	---	---	20.1	18.0	19.0
17	---	---	---	21.8	20.2	21.1	---	---	---	20.4	18.3	19.2
18	---	---	---	22.5	20.5	21.5	---	---	---	19.4	17.5	18.4
19	---	---	---	23.4	20.9	22.1	---	---	---	19.2	17.4	18.3
20	---	---	---	24.2	21.7	22.9	---	---	---	19.2	17.1	18.1
21	---	---	---	24.2	22.1	23.1	---	---	---	19.0	16.9	18.0
22	23.0	21.4	22.0	24.5	21.8	23.2	---	---	---	19.1	17.0	18.0
23	23.1	21.0	22.0	23.9	22.1	23.1	21.1	---	---	19.1	16.8	17.9
24	23.2	21.2	22.1	23.3	22.1	22.6	20.7	19.4	20.1	18.8	16.8	17.8
25	22.5	21.7	22.2	24.1	21.7	22.8	22.2	19.5	20.7	18.7	16.7	17.7
26	22.0	20.6	21.1	24.2	22.5	23.3	22.6	20.4	21.5	18.7	16.6	17.6
27	22.4	19.7	20.9	24.4	21.5	22.9	22.9	20.7	21.8	18.7	16.5	17.6
28	23.4	20.9	22.1	24.6	22.0	23.3	23.1	21.1	22.1	18.3	16.5	17.4
29	24.3	22.0	23.1	24.9	22.4	23.6	22.6	21.0	21.7	18.6	16.5	17.5
30	25.2	22.5	23.8	24.7	22.6	23.7	22.1	20.3	21.2	18.8	16.6	17.7
31	---	---	---	24.0	22.0	23.1	22.2	20.0	21.0	---	---	---
MONTH	---	---	---	27.4	20.2	23.4	---	---	---	22.3	15.4	18.5

09180000 DOLORES RIVER NEAR CISCO, UT

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

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

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,165 ft above 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)
Jul 10	2300	*2,140	*9.35				

Minimum daily discharge, 74 ft^3/s, Sep 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	250	158	e122	e90	169	309	1230	767	339	83	134
2	119	219	157	e124	e90	165	313	1300	811	314	85	160
3	134	207	150	e120	92	158	444	1230	839	311	142	160
4	123	202	155	118	102	154	640	1130	772	306	252	133
5	123	186	149	e120	118	154	823	981	676	299	313	123
6	285	177	135	119	132	141	860	1060	560	272	366	116
7	184	172	134	128	141	142	789	1040	564	265	290	114
8	192	167	157	121	159	147	609	962	678	271	320	107
9	153	157	167	e116	155	153	507	902	681	311	383	99
10	136	147	184	113	154	154	438	893	652	351	585	92
11	185	165	178	102	171	160	449	886	748	479	423	90
12	189	164	163	e100	156	144	422	909	732	399	404	89
13	185	170	160	e100	155	144	434	971	681	383	301	90
14	229	162	169	e100	157	136	373	997	611	400	355	133
15	223	149	171	e106	169	126	376	1190	529	506	500	91
16	184	153	164	e96	164	122	389	1160	424	460	368	92
17	169	158	e150	98	143	130	777	1160	351	361	265	92
18	165	136	e150	e100	148	166	1350	1130	364	291	231	121
19	160	139	e140	e90	150	168	1560	1080	418	214	193	112
20	158	171	e142	88	150	152	1670	1110	447	178	168	91
21	160	171	e130	e96	148	150	1400	1120	459	159	159	96
22	162	194	e132	e94	160	157	1110	1020	442	150	179	92
23	167	211	e133	110	163	166	906	876	449	137	356	91
24	194	210	e126	105	171	185	731	843	444	126	261	89
25	361	208	121	120	167	207	823	871	414	117	273	84
26	402	208	e122	122	163	232	969	908	416	110	190	82
27	264	200	e124	124	157	269	1090	845	409	130	160	83
28	220	199	e116	132	157	313	1160	861	415	117	141	80
29	193	182	e116	121	---	361	1310	895	353	113	127	78
30	201	160	e118	114	---	353	1270	893	340	100	126	74
31	212	---	e120	91	---	331	---	733	---	92	136	---
TOTAL	5950	5394	4491	3410	4082	5709	24301	31186	16446	8061	8135	3088
MEAN	192	180	145	110	146	184	810	1006	548	260	262	103
MAX	402	250	184	132	171	361	1670	1300	839	506	585	160
MIN	118	136	116	88	90	122	309	733	340	92	83	74
AC-FT	11800	10700	8910	6760	8100	11320	48200	61860	32620	15990	16140	6130

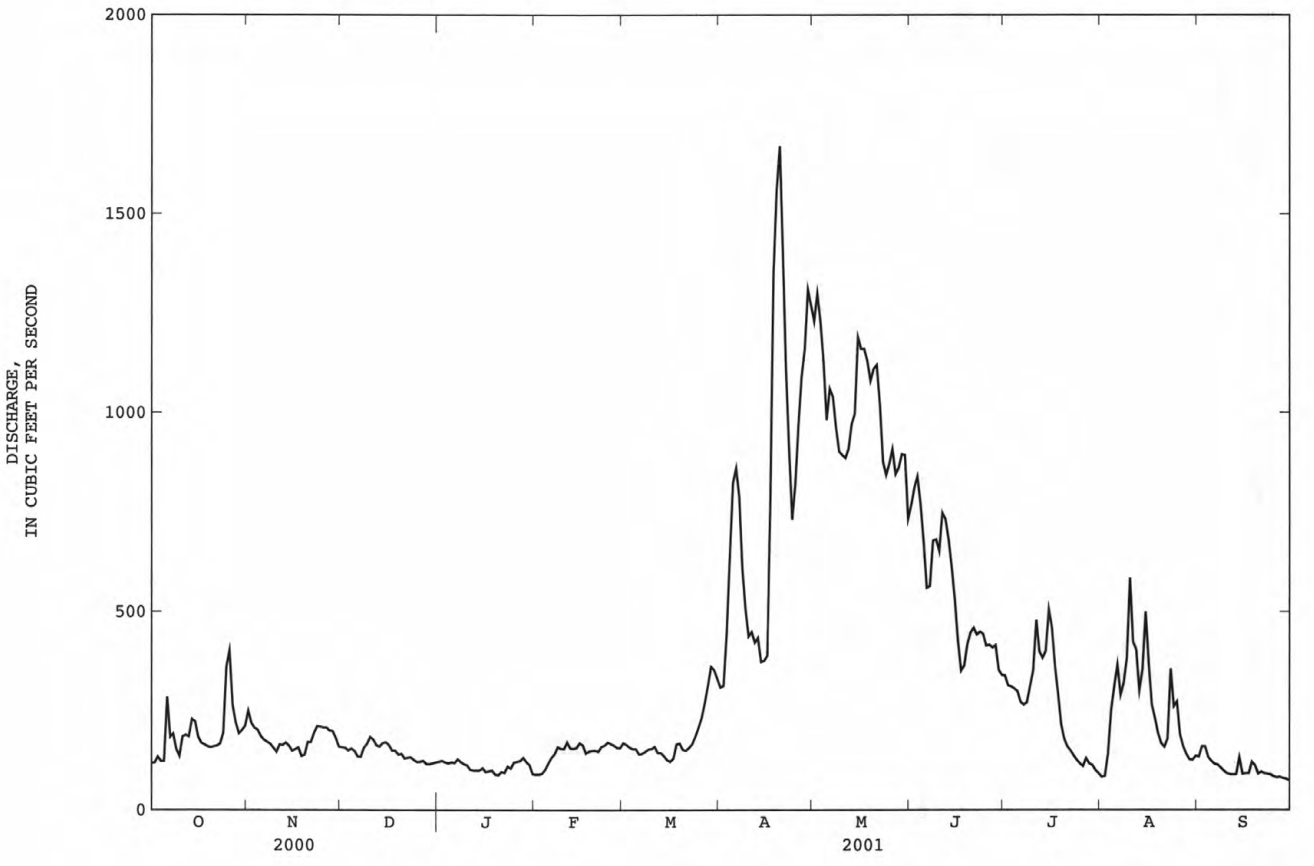
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2001, BY WATER YEAR (WY)

MEAN	258	258	208	177	228	462	1749	2792	1591	545	316	245
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	146	142	177	397	411	151	73.3	80.6
(WY)	1990	1991	1990	1990	2001	1990	1990	1990	1989	2000	1996	1989

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1987 - 2001	
ANNUAL TOTAL	158557		120253			
ANNUAL MEAN	433		329		737	
HIGHEST ANNUAL MEAN					1768	1993
LOWEST ANNUAL MEAN					200	1990
HIGHEST DAILY MEAN	2540	May 9	1670	Apr 20	12900	May 18 1993
LOWEST DAILY MEAN	65	Aug 11	74	Sep 30	34	Aug 12 1990
ANNUAL SEVEN-DAY MINIMUM	67	Aug 8	81	Sep 24	39	Aug 8 1990
ANNUAL RUNOFF (AC-FT)	314500		238500		534100	
10 PERCENT EXCEEDS	1460		880		1880	
50 PERCENT EXCEEDS	184		169		248	
90 PERCENT EXCEEDS	106		100		125	

e Estimated



09180000 DOLORES RIVER NEAR CISCO, UT--Continued

WATER-QUALITY RECORDS

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 21,600 microsiemens, Jul 9, 1977; minimum observed, 240 microsiemens, Jun 22, 1983.
WATER TEMPERATURE: Maximum observed, 30.0°C, Jul 3, 1997; minimum, 0.0°C, on many days during winter period most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 2,380 microsiemens, Sep 20; minimum observed, 380 microsiemens, Apr 29, 30.
WATER TEMPERATURE: Maximum observed, 28.0°C, Jul 7; minimum observed, 0.0°C, Jan 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
10...	1030	142	8.4	1110	18.0	14.0	--	--	--	--	--	--	--
NOV													
27...	0900	206	8.2	1090	3.0	2.0	--	--	--	--	--	--	--
JAN													
03...	1000	114	8.1	2140	-2.0	0	--	--	--	--	--	--	--
FEB													
15...	0945	178	8.2	1540	4.0	3.0	299	75.1	27.2	8.87	4.49	178	55.6
MAR													
28...	0915	302	8.2	1170	9.0	10.0	--	--	--	--	--	--	--
APR													
26...	0900	933	8.2	460	15.0	13.0	--	--	--	--	--	--	--
JUN													
04...	1100	830	8.1	430	15.0	17.0	140	41.5	8.72	1.80	.956	25.9	28.5
JUL													
11...	0900	312	7.4	620	24.0	18.0	--	--	--	--	--	--	--
AUG													
22...	0930	204	8.2	1120	21.0	20.5	--	--	--	--	--	--	--

DATE	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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB													
15...	138	290	.3	4.4	198	.127	.100	.129	--	--	--	E.004	<.018
MAR													
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
04...	77	33.6	.2	6.0	76.2	.110	E.024	--	.100	.443	.033	.010	<.020
JUL													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT 10...	--	7.13	--	--	766	--	--	<2.4
NOV 27...	--	7.30	--	--	650	--	--	--
JAN 03...	--	7.04	--	--	1160	--	--	--
FEB 15...	1.7	7.23	1.2	437	910	866	58	<2.4
MAR 28...	--	7.50	--	--	728	--	--	--
APR 26...	--	8.28	--	--	306	--	--	<2.4
JUN 04...	1.2	8.17	.3	569	254	241	19	<2.0
JUL 11...	--	7.51	--	--	462	--	--	--
AUG 22...	--	7.23	--	--	710	--	--	--

E Estimated value.
< Actual value is known to be less than the value shown.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2030	1670	1520	1580	1680	1520	1270	385	500	---	1280	---
2	2020	1510	1530	2110	1660	1410	480	425	480	---	1270	1740
3	1970	1520	1460	1870	1670	1420	780	430	440	---	1310	1400
4	1850	1510	1250	1800	1670	1540	630	430	440	---	---	---
5	1910	1840	1560	1590	1950	1420	630	430	---	---	---	1340
6	1780	1280	1600	1790	1880	1580	460	485	---	---	---	1100
7	1720	1280	1840	2110	1870	1450	500	480	---	640	---	1280
8	1080	1490	2170	1410	1420	1490	500	480	---	---	---	1330
9	1050	1490	1780	1380	1410	1590	520	520	---	---	---	---
10	1360	1500	1410	1790	1410	1650	445	510	---	640	---	1860
11	1290	1500	1400	1540	1410	1570	440	520	---	---	---	2340
12	1250	1500	1450	1210	1430	1570	450	500	---	660	---	1770
13	1740	1500	1450	1190	1430	1410	455	480	---	---	740	1680
14	1320	1490	1430	1470	1620	1580	445	475	---	540	740	---
15	1390	1500	1580	1480	1630	1570	450	430	---	---	750	---
16	1120	1510	1550	1860	1630	1550	455	430	---	620	750	1620
17	1070	1480	1540	1840	1550	1420	440	415	---	600	850	1820
18	1130	1470	1580	1520	1550	1510	410	415	---	650	740	1840
19	1150	1240	1580	1620	1550	1520	405	420	---	620	810	1810
20	1390	1240	1600	2070	1550	1550	400	435	---	630	900	2380
21	1390	1240	1760	2080	1550	1650	400	415	---	770	950	---
22	1610	1240	1900	1880	1550	---	405	430	---	820	1070	1500
23	1620	1240	1880	2040	1550	---	410	435	---	880	1620	---
24	1610	1230	2150	1360	1550	---	400	470	---	930	1320	1620
25	1720	1240	2160	1340	1600	---	400	475	---	1020	---	---
26	1240	1240	1630	1340	1550	---	425	450	600	1020	1210	1600
27	1330	1190	1940	1340	---	---	430	450	630	1080	1160	1530
28	830	1180	1620	1660	1540	---	415	465	630	1090	960	1570
29	940	1230	1630	1670	---	---	380	440	---	1010	1080	---
30	1280	1210	1690	1670	---	---	380	445	---	1170	1180	1600
31	1720	---	1690	1680	---	---	---	435	---	1180	1850	---
MEAN	1450	1390	1660	1650	1590	1520	487	452	531	828	1070	1650

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	9.0	2.0	.5	.5	7.0	13.0	15.0	18.0	---	25.0	---
2	18.0	8.0	1.0	.5	.5	7.0	13.0	15.0	19.0	---	27.0	20.5
3	24.0	7.0	1.5	.5	.5	8.0	13.0	15.0	18.0	---	26.0	21.5
4	24.0	7.0	1.0	.5	1.0	7.0	13.0	14.0	17.0	---	---	---
5	20.0	7.0	1.0	.5	3.0	7.0	13.0	14.0	---	---	---	21.5
6	15.0	8.0	.5	.5	1.0	8.0	13.0	13.0	---	---	---	22.0
7	18.0	8.0	2.0	1.0	2.0	7.0	13.0	15.0	---	28.0	---	21.0
8	17.0	3.0	2.0	1.0	2.0	9.0	13.0	15.0	---	---	---	19.0
9	15.0	4.0	3.0	.5	3.0	7.0	13.0	16.0	---	---	---	---
10	15.0	2.5	5.0	.5	5.0	10.0	13.0	17.0	---	27.0	---	18.5
11	14.0	3.5	4.0	.5	5.0	13.0	13.0	15.0	---	---	---	16.5
12	14.0	4.0	4.0	2.0	5.0	13.0	13.0	17.0	---	25.0	---	18.0
13	14.0	4.0	4.0	3.5	5.0	13.0	13.0	18.0	---	---	23.0	20.5
14	11.0	3.0	4.0	2.0	5.0	13.0	13.0	20.0	---	23.0	25.0	---
15	14.0	2.5	4.0	1.0	5.0	13.0	13.0	20.0	---	---	24.0	---
16	14.0	3.0	2.0	1.0	6.0	13.0	13.0	17.0	---	20.0	22.5	22.0
17	15.0	3.0	3.0	.5	6.0	13.0	13.0	16.0	---	21.0	22.0	22.5
18	14.0	1.0	1.5	.5	6.0	14.0	13.0	17.0	---	23.0	21.5	18.0
19	12.0	2.0	1.0	.5	7.0	13.0	13.0	16.0	---	24.0	24.0	19.0
20	12.0	2.0	1.0	.5	8.0	14.0	13.0	18.0	---	24.0	22.5	19.5
21	10.0	3.0	.5	.5	8.0	14.0	13.0	15.0	---	26.0	21.5	---
22	10.0	2.0	.5	.5	10.0	13.0	12.0	18.0	---	27.0	21.0	22.5
23	11.0	2.0	.5	.5	7.0	14.0	12.0	16.0	---	25.0	20.0	---
24	11.0	2.0	.5	1.0	7.0	13.0	13.0	17.0	---	24.0	22.0	22.0
25	9.0	3.0	1.0	.5	7.0	14.0	14.0	18.0	---	26.0	21.0	---
26	11.0	2.5	1.0	1.0	7.0	10.0	15.0	19.0	21.0	23.0	25.0	22.0
27	10.0	2.0	.5	1.0	---	11.0	16.0	21.0	21.0	22.0	21.0	22.0
28	10.0	1.5	1.0	.5	7.0	13.0	15.0	18.0	24.0	27.0	23.0	18.0
29	11.0	2.0	1.0	.5	---	14.0	15.0	18.0	---	27.0	21.5	---
30	11.5	2.5	1.5	1.0	---	---	15.0	21.0	---	27.0	22.0	18.0
31	9.5	---	2.0	1.0	---	13.0	---	19.0	---	26.5	20.5	---
MEAN	13.9	3.8	1.9	.8	4.8	11.3	13.3	16.9	19.7	24.8	22.8	20.2

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)	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)
SEP 13...	1000	121	8.5	1410	18.5	18.0	380	99	33	7.5

DATE	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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)
SEP 13...	3	120	40	142	180	.37	6.2	290	.095	<.050

DATE	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, 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 13...	.9	7.07	1.12	269	824	77	<10	<2.2	<2

09180000 DOLORES RIVER NEAR CISCO, 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	1220	1330	1420	1530	1770	2080	1270	---	395	1100	2130	1500
2	1260	1330	1600	1600	1830	2110	1300	380	485	1190	2210	1110
3	1250	1290	1430	1660	2140	2120	1300	360	580	1270	2180	1180
4	1260	1340	1610	1800	2250	2160	1370	---	660	1300	2070	1380
5	1280	1350	1700	1530	2310	2070	1390	335	680	---	2040	1160
6	1270	1320	1510	1500	2180	2030	1430	350	600	1420	2050	1040
7	1310	1320	1520	1760	2540	2150	1220	350	510	---	2070	1190
8	1370	1330	1510	1810	2360	2310	830	350	650	1530	2100	1330
9	1330	1320	1490	1890	2460	2430	730	---	660	1570	2180	1390
10	1330	1330	1850	1970	2440	2270	640	350	680	1270	---	1990
11	1350	1350	1900	2040	2360	2290	490	210	500	1570	2280	1680
12	1390	1390	1810	2390	2240	1840	450	265	690	1660	2230	1460
13	1380	1360	1520	2040	1880	1790	450	255	760	1380	2260	1270
14	1540	1330	1620	1570	2110	1760	440	265	710	1430	2140	1420
15	1460	1330	1450	1500	2010	1820	410	305	730	1430	2400	1410
16	1340	1330	1520	1410	1820	1950	460	---	710	1500	2190	1510
17	1060	1360	1590	1480	1940	1880	420	330	720	---	2180	1640
18	890	1370	1620	1530	1920	2000	415	---	740	---	2180	1670
19	1050	1420	1600	1620	2070	1990	415	365	980	---	---	1760
20	1140	1460	2030	1830	1990	1850	445	370	970	1500	2010	1810
21	1210	1530	1420	1950	2070	1830	440	---	990	1560	880	1880
22	1290	1730	1290	1860	1960	1840	455	360	1050	1410	1150	1840
23	1270	1820	1590	1770	1970	1820	435	345	990	1380	1560	1840
24	1260	1980	1730	1850	2020	1910	430	285	1060	1450	1360	1910
25	1270	2000	1620	1840	2090	1740	390	275	1020	1560	1200	1790
26	1300	2090	1660	1730	2210	1710	380	330	1090	1720	1660	1810
27	1320	1840	1700	1870	2060	1690	385	340	1130	1740	1150	1830
28	1340	1560	2050	2210	2150	1640	365	445	1140	1820	1430	1910
29	1340	1580	1820	1950	2100	1590	355	445	1160	1840	1990	2000
30	1320	1450	1720	1760	---	1560	360	455	---	1980	1970	1970
31	1320	---	1720	1700	---	1400	---	---	---	2000	1650	---
MEAN	1280	1480	1630	1770	2110	1920	662	338	794	1520	1890	1590

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	13.0	7.0	3.0	.0	1.0	7.0	8.0	---	19.0	27.0	28.0	19.0
2	13.0	7.0	4.0	.0	2.0	7.0	9.0	13.0	18.0	24.0	25.0	19.0
3	14.0	6.0	4.0	.0	2.0	7.0	9.0	13.0	23.0	25.0	26.0	19.0
4	13.5	6.0	2.0	.0	2.5	8.0	10.0	---	24.0	25.0	24.0	20.0
5	12.0	6.5	1.0	.0	2.0	9.0	12.0	14.0	24.0	---	23.0	19.0
6	14.0	6.0	1.0	.0	2.0	7.0	14.0	15.0	24.0	25.0	28.0	19.0
7	14.5	6.5	1.0	.0	3.0	8.0	13.0	14.0	24.0	---	23.0	17.0
8	12.0	6.5	2.0	.0	3.0	7.0	12.0	14.0	24.0	25.0	25.0	19.0
9	12.0	7.5	.0	.0	5.0	6.0	11.0	---	24.0	24.0	24.0	17.0
10	13.0	7.0	.0	.0	5.0	6.0	11.0	12.0	23.0	22.0	---	22.0
11	14.0	6.5	1.0	.0	6.0	6.0	9.0	12.0	24.0	23.5	24.0	23.0
12	14.0	6.0	2.0	.0	6.0	8.0	11.0	12.0	18.0	23.0	25.0	23.0
13	13.0	5.0	.0	.0	4.0	8.0	---	12.0	24.0	24.0	23.0	23.0
14	12.0	5.0	.0	.0	4.5	8.0	11.0	13.0	23.0	24.0	24.0	18.0
15	12.0	4.5	.0	.5	5.0	9.0	9.0	13.0	19.0	29.0	22.0	19.0
16	10.5	4.5	.0	2.0	5.0	6.0	9.0	---	24.0	26.0	23.0	20.0
17	8.0	4.5	.0	3.0	5.0	7.0	9.0	13.0	23.0	---	27.0	21.0
18	7.5	5.0	.0	5.0	6.0	7.0	9.0	---	24.0	---	24.0	22.0
19	8.0	4.0	.0	4.0	5.0	6.0	9.0	17.0	24.0	---	---	23.0
20	8.0	4.0	.0	4.0	5.0	8.0	9.0	16.0	23.0	23.0	22.0	19.0
21	8.0	3.0	.0	4.0	5.0	4.0	11.0	---	25.0	23.0	23.0	19.0
22	8.0	4.0	.0	3.0	7.0	6.0	12.0	20.0	25.0	29.0	20.0	18.0
23	8.0	2.0	.5	2.0	6.0	6.5	11.0	21.0	23.0	23.0	24.0	17.0
24	8.0	1.0	.0	3.0	7.0	9.0	11.0	20.0	23.0	24.0	24.0	17.0
25	8.0	.0	.0	3.0	5.0	10.0	---	22.0	25.0	25.0	23.0	17.0
26	8.0	1.0	.0	4.0	3.0	11.0	10.0	20.0	22.0	22.0	23.0	19.0
27	8.0	2.0	.0	4.0	5.0	11.0	12.0	19.0	25.0	25.0	22.0	16.0
28	8.0	2.0	.0	2.0	6.0	12.0	12.0	20.0	27.0	23.0	22.0	24.0
29	8.5	2.5	.0	.5	6.0	10.0	13.0	21.0	26.0	25.0	22.0	24.0
30	7.0	3.0	.0	.0	---	11.0	10.0	20.0	---	24.0	22.0	22.0
31	7.0	---	.0	1.0	---	9.0	---	---	---	29.0	21.0	---
MEAN	10.5	4.5	.7	1.5	4.4	7.9	10.6	16.1	23.2	24.7	23.7	19.8

09180500 COLORADO RIVER NEAR CISCO, UT

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

DRAINAGE AREA.--24,100 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1895 to current year (1895 to 1910, 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 19	0545	*14,000	*6.60				

Minimum discharge, 2,230 ft^3/s, Jan 17, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3440	4310	3200	2780	e2400	2640	3130	7200	10600	4070	2730	3660
2	3350	4210	3230	2860	e2420	2570	3140	7470	10600	3910	2860	3790
3	3280	3970	3070	2790	2410	2540	3090	8350	10900	3810	3050	3810
4	3140	4010	3060	2680	2480	2560	3350	8720	10900	3600	3670	3690
5	3040	3780	3020	e2680	2540	2530	3590	7910	10100	3400	3660	3570
6	3330	3870	3010	2680	2580	2500	3980	7480	8750	3310	3730	3470
7	3380	4040	2960	2670	2590	2540	4040	7190	7800	3200	3500	3410
8	3400	3780	3030	e2670	2720	2530	3950	6670	7900	3230	3630	3370
9	3340	3440	3010	e2450	2810	2680	3860	6130	8250	3320	4490	3480
10	3290	3370	3100	2370	2640	2770	3630	5920	8220	3370	4570	3700
11	3340	3450	3140	2400	2540	3020	3400	6390	8330	4350	4590	3780
12	3450	3350	3170	2690	2530	3140	3390	6880	8110	3990	4030	3780
13	3530	3340	3100	2790	2550	3040	3390	7870	7690	3690	3710	3810
14	3590	3340	3020	2760	2560	2720	3420	9190	7230	3580	3670	4050
15	3620	3200	3070	2710	2620	2760	3190	11100	7070	4390	4160	3940
16	3580	3130	3070	2600	2620	2690	2970	12200	6000	5350	4320	3770
17	3670	3220	3020	e2510	2580	2680	3170	12900	5300	5220	4400	3650
18	3600	3190	2770	e2600	2530	2740	3650	13700	4930	4620	4000	3950
19	3620	3040	2590	e2500	2510	2740	4030	13700	4890	3950	3740	3960
20	3440	3100	2690	e2530	2550	2720	4600	13600	4840	3430	3520	4040
21	3400	3270	e2700	e2550	2610	2670	5150	13500	4790	3170	3470	3960
22	3440	3150	e2850	e2530	2640	2800	5300	12800	4730	2970	4200	3810
23	3480	3380	2940	e2620	2730	2830	4750	10900	4710	2750	4770	3600
24	3720	3410	2970	2630	2770	3160	4260	9810	4670	2570	4750	3430
25	3980	3350	3040	2610	2680	3390	3850	9990	4480	2540	4470	3400
26	4150	3270	2990	2710	2600	3440	3620	10700	4520	2530	4180	3260
27	3990	3300	2960	2680	2590	3560	3860	11000	4610	2770	3950	3120
28	3930	3260	2780	2690	2610	3560	4630	10800	4900	2910	3740	3070
29	3860	3330	2650	2630	---	3520	5930	11200	4960	2950	3510	3030
30	3920	3290	2610	2630	---	3420	6990	11300	4360	2810	3360	2980
31	4080	---	2650	2480	---	3250	---	10600	---	2700	3370	---
TOTAL	110380	104150	91470	81480	72410	89710	119310	303170	205140	108460	119800	108340
MEAN	3561	3472	2951	2628	2586	2894	3977	9780	6838	3499	3865	3611
MAX	4150	4310	3230	2860	2810	3560	6990	13700	10900	5350	4770	4050
MIN	3040	3040	2590	2370	2400	2500	2970	5920	4360	2530	2730	2980
AC-FT	218900	206600	181400	161600	143600	177900	236700	601300	406900	215100	237600	214900

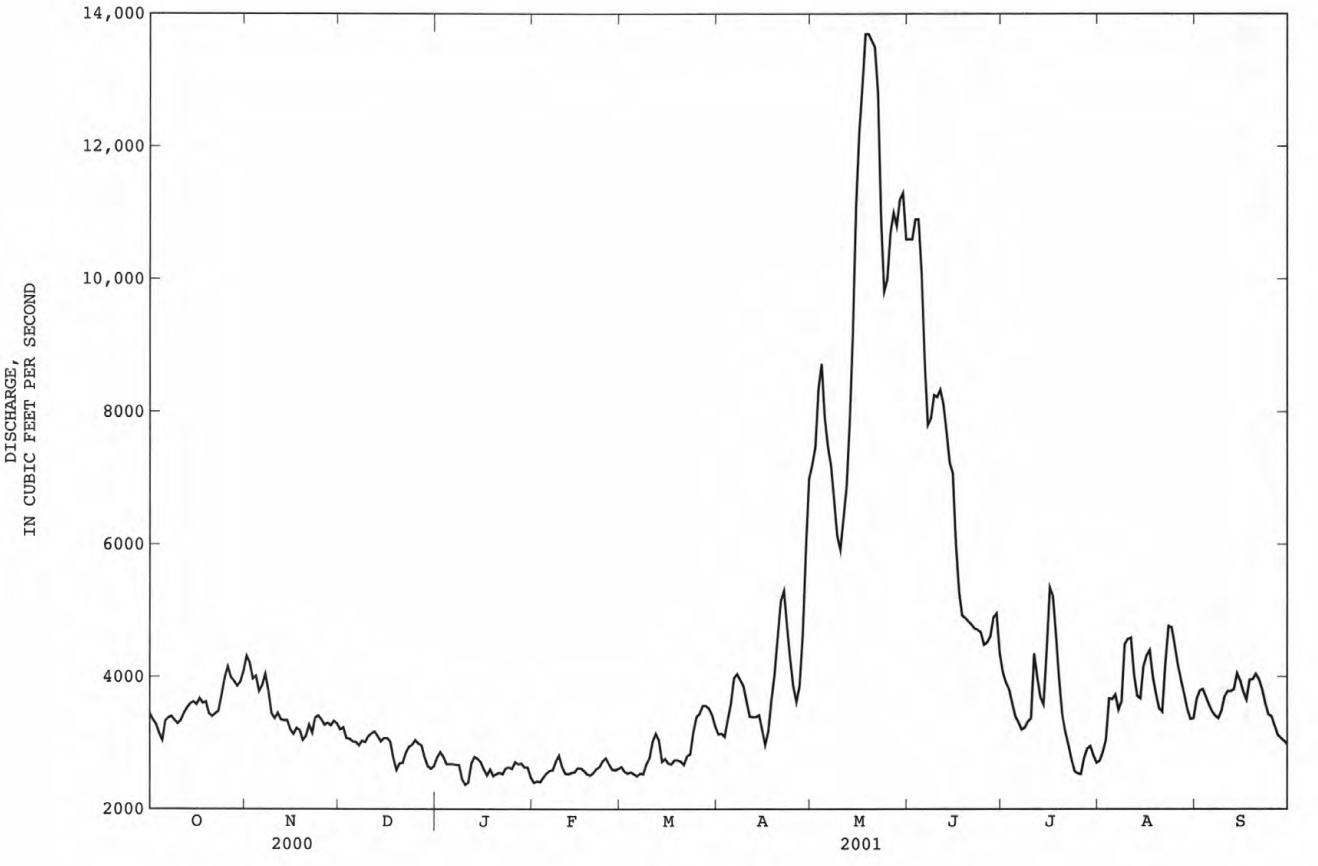
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	4034	3847	3322	3114	3278	3845	8318	19380	22070	9046	4345	3732
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

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	1817610		1513820			
ANNUAL MEAN	4966		4147		7368	
HIGHEST ANNUAL MEAN					14930	1984
LOWEST ANNUAL MEAN					2631	1977
HIGHEST DAILY MEAN	17500	May 31	13700	May 18	73200	Jun 19 1917
LOWEST DAILY MEAN	2590	Dec 19	2370	Jan 10	640	Jul 21 1934
ANNUAL SEVEN-DAY MINIMUM	2790	Dec 18	2470	Jan 31	736	Jul 15 1934
ANNUAL RUNOFF (AC-FT)	3605000		3003000		5338000	
10 PERCENT EXCEEDS	9720		7470		18400	
50 PERCENT EXCEEDS	3620		3400		3920	
90 PERCENT EXCEEDS	3050		2600		2260	

e Estimated



09180500 COLORADO RIVER NEAR CISCO, UT--Continued

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, 1,360 microsiemens, Jan 21; minimum observed, 465 microsiemens, May 19.
WATER TEMPERATURE: Maximum observed, 26.0°C, Jul 16, 17, 19-25; minimum observed, 0.0°C, Jan 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	GAGE HEIGHT (FEET) (00065)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT								
05...	1030	3180	8.3	1190	17.0	16.0	2.33	830
NOV								
20...	1200	3110	8.4	1300	3.0	.5	2.37	860
JAN								
04...	1100	2830	8.4	1280	1.0	0	2.19	796
FEB								
16...	1015	2590	8.3	1260	3.0	3.0	2.08	798
MAR								
22...	0830	2790	8.3	1200	14.5	11.0	2.16	766
APR								
24...	0845	4190	8.1	680	9.5	11.0	2.92	452
MAY								
24...	0830	9830	8.3	520	18.5	15.0	5.17	318
JUN								
26...	0830	4260	8.4	850	22.0	22.0	2.98	562
JUL								
23...	0930	2680	8.4	1190	23.0	23.0	2.16	810

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	1200	1200	1270	1260	1290	990	670	540	920	1160	1150
2	1210	1210	1170	1260	1240	1240	1060	640	540	940	1160	1150
3	1240	1210	1180	1250	1250	1250	1030	610	540	1000	1160	1110
4	1240	1200	1210	1250	1250	1250	1020	590	520	1000	1210	1090
5	1210	1210	1200	1240	1240	1250	1000	590	530	1020	1150	1080
6	1240	1220	1220	1250	1290	1240	1000	640	560	1050	1100	1090
7	1220	1180	1230	1220	1250	1220	980	690	600	1070	1090	1090
8	1240	1170	1220	1240	1230	1220	970	750	650	1080	1090	1090
9	1170	1220	1240	1250	1210	1220	930	760	640	1080	1070	1100
10	1160	1200	1250	1270	1210	1210	960	770	610	1100	1130	1110
11	1190	1260	1220	1280	1220	1180	950	780	600	1110	1080	1100
12	1180	1300	1230	1260	1260	1140	970	770	610	1080	1120	1080
13	1200	1300	1210	1290	1240	1140	980	710	610	1070	1060	1050
14	1190	1260	1220	1320	1240	1150	1010	640	630	1080	1070	1110
15	1180	1270	1210	1220	1270	1190	1020	580	680	1080	1100	1110
16	1170	1230	1200	1230	1260	1200	1020	530	720	1230	1080	1070
17	1160	1230	1250	1250	1240	1220	1010	500	790	1140	1140	1100
18	1150	1250	1220	1270	1250	1240	970	480	830	---	1100	1140
19	1150	1270	1230	1260	1240	1180	910	465	860	1100	1060	1130
20	1160	1260	1220	1310	1220	1150	980	480	870	1100	1100	1120
21	1170	1250	1250	1360	1230	1190	960	480	870	1140	1090	1140
22	1180	1220	1290	1310	1240	1180	830	490	860	1170	1150	1130
23	1210	1240	1270	1320	1230	1170	770	500	860	1200	1260	1110
24	1220	1180	1310	1340	1220	1170	760	550	860	1200	1130	1100
25	---	1180	1270	1260	1230	1130	770	580	860	1230	1210	1120
26	1190	1200	1230	1260	1240	1110	830	550	880	1230	1090	1120
27	1180	1180	1220	1260	1220	1060	880	530	920	1260	1090	1130
28	1170	1170	1210	1230	1200	1030	900	520	920	1340	1100	1140
29	1170	1180	1220	1220	---	1020	860	540	900	1230	1120	1160
30	1170	1180	1210	1250	---	1020	740	520	890	1300	1120	1150
31	1200	---	1210	1240	---	1010	---	510	---	1250	1120	---
MEAN	1190	1220	1230	1270	1240	1170	935	594	725	1130	1120	1110

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	8.0	3.0	1.0	4.0	10.0	14.0	17.0	18.0	24.0	23.0	20.0
2	15.0	8.0	3.0	1.0	4.0	10.0	14.0	18.0	18.0	24.0	23.0	20.0
3	15.0	8.0	3.0	1.0	4.0	10.0	14.0	18.0	18.0	24.0	23.0	18.0
4	15.0	7.0	3.0	1.0	4.0	10.0	14.0	18.0	18.0	24.0	23.0	18.0
5	15.0	7.0	3.0	1.0	4.0	10.0	14.0	18.0	18.0	24.0	23.0	18.0
6	15.0	7.0	3.0	1.0	4.0	10.0	14.0	18.0	18.0	24.0	23.0	18.0
7	14.0	7.0	3.0	1.0	4.0	12.0	15.0	18.0	18.0	24.0	23.0	17.0
8	14.0	7.0	3.0	2.0	4.0	12.0	15.0	18.0	18.0	24.0	23.0	17.0
9	14.0	7.0	3.0	2.0	4.0	12.0	15.0	18.0	17.0	25.0	23.0	17.0
10	14.0	7.0	3.0	2.0	4.0	12.0	15.0	18.0	18.0	25.0	23.0	17.0
11	14.0	7.0	3.0	2.0	5.0	12.0	15.0	18.0	18.0	25.0	23.0	17.0
12	14.0	6.0	3.0	2.0	5.0	12.0	15.0	18.0	18.0	25.0	23.0	17.0
13	14.0	6.0	3.0	2.0	5.0	12.0	15.0	18.0	18.0	25.0	23.0	17.0
14	14.0	5.0	3.0	2.0	5.0	12.0	16.0	18.0	18.0	25.0	23.0	17.0
15	14.0	5.0	3.0	2.0	5.0	12.0	16.0	18.0	18.0	25.0	23.0	17.0
16	14.0	5.0	3.0	2.0	5.0	12.0	16.0	18.0	18.0	26.0	23.0	17.0
17	14.0	4.0	2.0	2.0	7.0	12.0	16.0	18.0	20.0	26.0	23.0	17.0
18	14.0	4.0	2.0	2.0	7.0	12.0	16.0	18.0	20.0	---	22.0	17.0
19	14.0	4.0	2.0	2.0	7.0	12.0	16.0	18.0	20.0	26.0	22.0	17.0
20	12.0	4.0	2.0	2.0	8.0	12.0	16.0	18.0	20.0	26.0	22.0	17.0
21	12.0	4.0	2.0	2.0	8.0	12.0	16.0	18.0	20.0	26.0	22.0	17.0
22	12.0	4.0	2.0	2.0	8.0	12.0	16.0	18.0	22.0	26.0	22.0	17.0
23	12.0	3.0	1.0	2.0	8.0	12.0	16.0	18.0	23.0	26.0	22.0	17.0
24	10.0	3.0	1.0	2.0	8.0	14.0	18.0	18.0	22.0	26.0	22.0	17.0
25	---	3.0	1.0	3.0	8.0	14.0	18.0	18.0	22.0	26.0	22.0	17.0
26	10.0	3.0	1.0	3.0	8.0	14.0	18.0	18.0	22.0	25.0	22.0	17.0
27	10.0	3.0	1.0	3.0	8.0	14.0	18.0	18.0	22.0	24.0	22.0	17.0
28	10.0	3.0	1.0	3.0	8.0	14.0	18.0	18.0	22.0	24.0	22.0	17.0
29	10.0	3.0	1.0	3.0	---	14.0	18.0	18.0	23.0	24.0	22.0	17.0
30	10.0	3.0	1.0	3.0	---	14.0	18.0	18.0	23.0	24.0	22.0	17.0
31	10.0	---	1.0	3.0	---	14.0	---	18.0	---	24.0	22.0	---
MEAN	13.0	5.2	2.2	2.0	5.8	12.1	15.8	18.0	19.6	24.9	22.5	17.3

09182200 CASTLE CREEK BELOW CASTLETON, NEAR MOAB, UT

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

DRAINAGE AREA.--17.6 mi^2.

PERIOD OF RECORD.--April 1992 to September 2001 (discontinued).

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, .96 ft^3/s, Nov 1, 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)May 24	----	*5.2	----				

Minimum daily discharge, 0.96 ft^3/s, Nov 1.
(a)Peak is an estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1.4	e.96	e1.4	e1.5	e1.8	e1.8	e1.6	e3.4	e4.7	e1.9	e1.5	e1.4
2	e1.3	e1.0	e1.4	e1.5	e1.9	e1.8	e1.4	e3.5	e4.7	e1.9	e1.5	e1.4
3	e1.3	e1.1	e1.4	e1.4	e2.1	e1.8	e1.4	e3.6	e4.6	e1.9	e1.7	e1.5
4	e1.3	e1.1	e1.4	e1.5	e2.1	e1.8	e1.4	e3.7	e4.5	e2.0	e1.5	e1.5
5	e1.3	e1.2	e1.4	e1.5	e2.1	e1.8	e1.4	e3.8	e4.4	e2.0	e1.3	e1.5
6	e1.3	e1.2	e1.4	e1.6	e1.9	e1.8	e1.9	e3.9	e4.3	e1.9	e1.3	e1.6
7	e1.4	e1.2	e1.4	e1.6	e2.1	e1.8	e1.6	e4.0	e4.2	e2.0	e1.3	e1.6
8	e1.4	e1.2	e1.3	e1.5	e1.9	e1.7	e1.6	e4.1	e4.1	e2.0	e1.3	e1.7
9	e1.2	e1.3	e1.3	e1.5	e1.7	e1.7	e1.6	e4.2	e4.0	e2.1	e1.5	e1.6
10	e1.0	e1.4	e1.4	e1.8	e1.8	e1.8	e1.5	e4.3	e3.9	e2.3	e1.5	e1.7
11	e1.2	e1.4	e1.6	e1.7	e1.8	e1.9	e1.8	e4.4	e3.8	e2.0	e1.5	e1.5
12	e1.2	e1.3	e1.5	e1.8	e1.8	e1.8	e1.8	e4.5	e3.7	e1.8	e1.5	e1.7
13	e1.1	e1.2	e1.6	e2.0	e1.8	e1.8	e1.8	e4.6	e3.6	e1.6	e1.5	e1.5
14	e1.1	e1.2	e1.5	e1.7	e1.8	e1.7	e1.9	e4.6	e3.5	e1.8	e1.5	e1.6
15	e1.1	e1.5	e1.5	e1.5	e1.8	e1.6	e2.0	e4.7	e3.4	e1.9	e1.5	e1.6
16	e1.1	e1.4	e1.4	e1.6	e1.7	e1.6	e2.0	e4.7	e3.3	e1.7	e1.6	e1.6
17	e1.1	e1.2	e1.3	e1.5	e1.7	e1.6	e2.1	e4.8	e3.2	e1.6	e1.6	e1.5
18	e1.1	e1.2	e1.2	e1.3	e1.8	e1.6	e2.1	e4.8	e3.1	e1.6	e1.6	e1.7
19	e1.1	e1.2	e1.2	e1.3	e1.8	e1.6	e2.2	e4.9	e3.0	e1.7	e1.4	e1.6
20	e1.1	e1.4	e1.4	e1.3	e1.8	e1.6	e2.3	e4.9	e2.9	e1.6	e1.4	e1.4
21	e1.2	e1.4	e1.4	e1.6	e1.8	e1.7	e2.4	e5.0	e2.8	e1.5	e1.4	e1.5
22	e1.3	e1.5	e1.6	e1.7	e1.8	e1.7	e2.5	e5.0	e2.7	e1.5	e1.4	e1.7
23	e1.4	e1.6	e1.6	e2.0	e2.1	e1.6	e2.6	e5.1	e2.6	e1.6	e1.4	e1.7
24	e1.5	e1.5	e1.6	e2.1	e2.1	e1.7	e2.7	e5.2	e2.5	e1.6	e1.4	e1.6
25	e1.3	e1.5	e1.7	e2.3	e1.7	e1.8	e2.8	e5.1	e2.4	e1.6	e1.6	e1.7
26	e1.3	e1.5	e1.6	e2.2	e1.7	e1.6	e2.9	e5.0	e2.3	e1.6	e1.6	e1.6
27	e1.3	e1.5	e1.5	e2.2	e1.7	e1.5	e3.0	e5.0	e2.2	e1.8	e1.4	e1.5
28	e1.3	e1.5	e1.6	e2.2	e2.1	e1.4	e3.1	e4.9	e2.1	e2.0	e1.4	e1.4
29	e1.3	e1.5	e1.5	e2.2	---	e1.6	e3.2	e4.9	e2.0	e1.8	e1.3	e1.4
30	e1.3	e1.4	e1.6	e2.0	---	e1.5	e3.3	e4.8	e1.9	e1.5	e1.3	e1.4
31	e1.2	---	e1.5	e1.9	---	e1.7	---	e4.8	---	e1.5	e1.3	---
TOTAL	38.5	39.56	45.2	53.5	52.2	52.4	63.9	140.2	100.4	55.3	45.0	46.7
MEAN	1.24	1.32	1.46	1.73	1.86	1.69	2.13	4.52	3.35	1.78	1.45	1.56
MAX	1.5	1.6	1.7	2.3	2.1	1.9	3.3	5.2	4.7	2.3	1.7	1.7
MIN	1.0	.96	1.2	1.3	1.7	1.4	1.4	3.4	1.9	1.5	1.3	1.4
AC-FT	76	78	90	106	104	104	127	278	199	110	89	93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	2.46	2.29	2.28	2.34	2.35	2.42	2.39	5.24	6.02	4.03	2.58	2.41
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	1.24	1.32	1.46	1.73	1.77	1.69	2.12	2.36	1.58	1.29	1.09	1.19
(WY)	2001	2001	2001	2001	2000	2001	1995	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	602.34		732.86			
ANNUAL MEAN	1.65		2.01		3.13	
HIGHEST ANNUAL MEAN					4.35	1993
LOWEST ANNUAL MEAN					1.82	2000
HIGHEST DAILY MEAN	4.0	Jul 9	5.2	May 24	29	May 27 1993
LOWEST DAILY MEAN	.96	Nov 1	.96	Nov 1	.96	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	1.0	Jul 16	1.1	Oct 13	1.0	Jul 16 2000
ANNUAL RUNOFF (AC-FT)	1190		1450		2270	
10 PERCENT EXCEEDS	2.5		3.8		4.9	
50 PERCENT EXCEEDS	1.5		1.6		2.5	
90 PERCENT EXCEEDS	1.1		1.3		1.6	

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)
Feb 23	1800	*8.5	*5.47				

Minimum daily discharge, 3.2 ft^3/s, Aug 6, 7, 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.8	4.1	6.5	6.7	6.4	6.8	7.0	4.3	3.8	3.7	3.5	e4.0
2	e3.7	4.2	6.5	6.7	6.6	6.8	6.7	4.3	3.8	3.7	3.5	e4.0
3	e3.7	4.3	6.5	6.6	7.2	6.8	6.6	5.0	3.7	3.7	3.7	e4.1
4	e3.7	4.4	6.5	6.7	7.2	6.8	6.6	5.1	3.7	3.8	3.5	e4.1
5	e3.8	5.3	6.5	6.7	7.2	6.8	6.6	4.9	3.7	3.8	3.3	e4.1
6	3.8	6.3	6.5	6.8	7.0	6.8	7.5	4.6	3.7	3.7	3.2	e4.2
7	4.0	e6.3	6.5	6.8	7.4	6.8	6.8	4.5	3.7	3.8	3.2	e4.3
8	4.0	e6.4	6.4	6.6	7.1	6.6	6.9	4.4	3.8	3.8	3.2	e4.4
9	3.9	6.8	6.4	6.6	6.7	6.7	6.9	4.5	3.9	3.9	3.4	e4.3
10	3.8	7.0	6.5	7.0	6.8	6.8	6.7	4.4	3.8	4.4	3.5	e4.4
11	4.1	7.0	6.7	6.8	6.9	7.0	7.3	4.2	3.7	e4.0	3.6	4.2
12	4.1	6.9	6.6	7.0	6.8	6.8	7.0	3.9	3.7	e3.8	3.5	4.4
13	4.0	6.7	6.7	7.2	6.8	6.8	6.6	3.8	3.8	3.6	3.5	4.5
14	4.0	6.7	6.6	6.6	6.8	6.7	6.2	3.8	3.8	3.9	3.6	4.6
15	4.0	7.0	6.6	6.4	6.8	6.6	5.3	3.8	3.8	4.1	3.6	4.6
16	4.0	6.8	6.4	6.6	6.7	6.6	5.3	3.8	3.7	3.8	3.8	4.6
17	4.0	6.4	6.3	6.5	6.7	6.6	5.3	3.8	3.7	3.6	3.8	4.5
18	4.0	6.3	e6.2	6.2	6.8	6.6	5.0	3.8	3.7	3.6	3.8	4.7
19	4.0	6.4	e6.2	6.1	6.8	6.6	4.8	3.9	3.7	3.7	3.7	4.6
20	4.0	6.6	e6.5	6.2	6.8	6.6	4.7	4.0	3.7	3.6	3.7	4.3
21	4.2	6.7	6.6	6.5	6.8	6.9	4.6	4.0	3.7	3.5	3.7	4.5
22	4.3	6.8	7.0	6.6	6.8	6.9	4.7	4.1	3.7	3.5	3.7	4.7
23	4.4	6.9	7.1	7.1	7.5	6.8	4.8	4.1	3.7	3.6	3.7	4.8
24	4.6	6.8	7.1	7.3	7.1	7.0	4.6	4.1	3.7	3.6	3.7	4.6
25	4.4	6.8	7.2	7.5	6.6	7.1	4.7	4.1	3.7	3.6	4.1	4.7
26	4.4	6.8	7.0	7.3	6.6	6.9	4.5	3.7	3.9	3.6	4.1	4.6
27	4.4	6.8	6.7	7.3	6.6	6.8	4.4	3.7	3.8	3.9	e4.0	4.5
28	4.4	6.7	6.8	7.3	7.3	6.7	4.4	3.7	3.8	4.1	e4.0	4.4
29	4.4	6.7	6.7	7.3	---	7.0	4.4	3.7	3.7	3.8	e3.9	4.3
30	4.4	6.6	6.8	7.1	---	6.9	4.4	3.7	3.6	3.5	e3.9	4.3
31	4.4	---	6.7	6.6	---	7.2	---	3.8	---	3.5	e3.9	---
TOTAL	126.7	189.5	205.3	210.7	192.8	210.8	171.3	127.5	112.2	116.2	113.3	132.3
MEAN	4.09	6.32	6.62	6.80	6.89	6.80	5.71	4.11	3.74	3.75	3.65	4.41
MAX	4.6	7.0	7.2	7.5	7.5	7.2	7.5	5.1	3.9	4.4	4.1	4.8
MIN	3.7	4.1	6.2	6.1	6.4	6.6	4.4	3.7	3.6	3.5	3.2	4.0
AC-FT	251	376	407	418	382	418	340	253	223	230	225	262

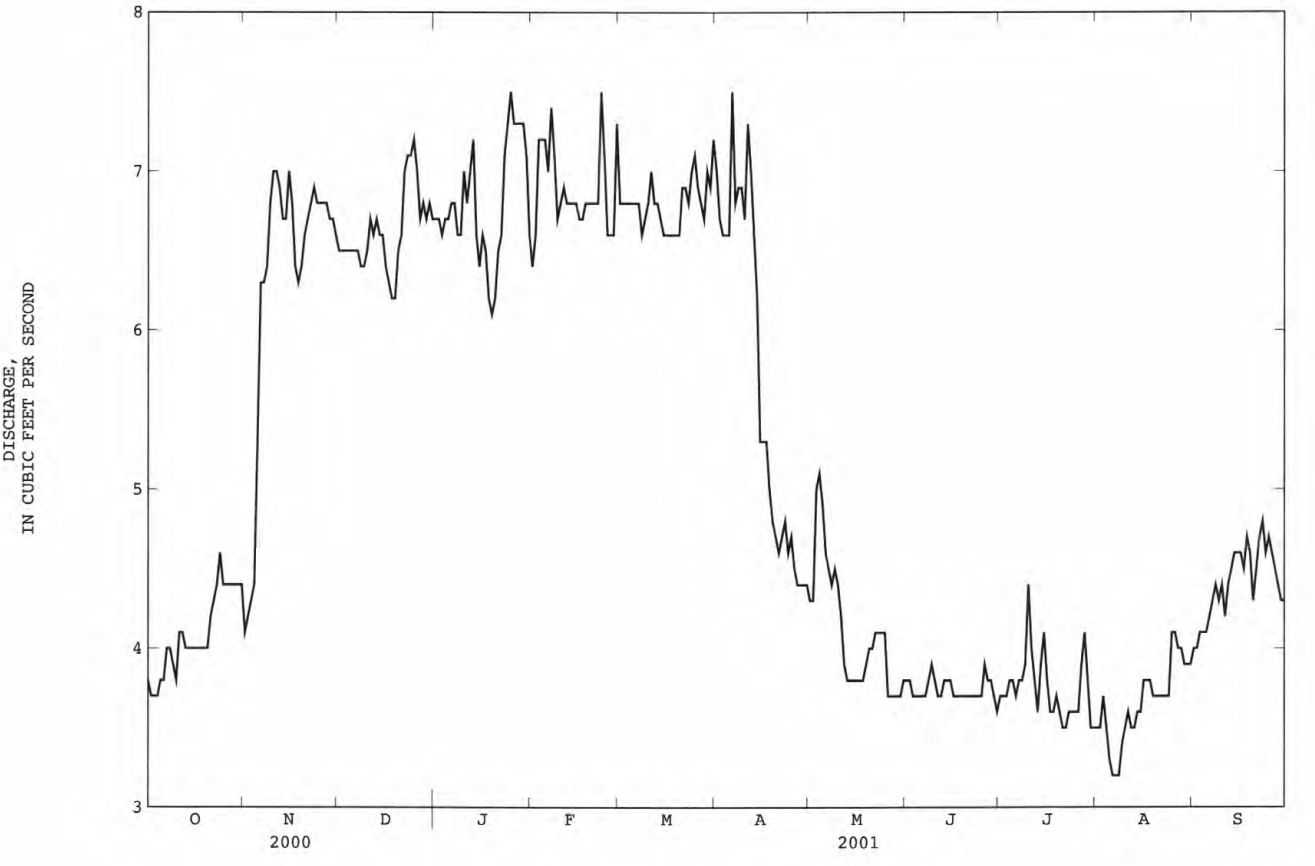
e Estimated

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	6.57	7.81	7.38	7.19	7.07	7.23	6.40	6.60	6.88	5.41	4.89	5.46
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	4.09	6.32	6.62	5.64	6.19	6.28	5.16	3.93	3.48	3.31	3.56	3.62
(WY)	2001	2001	2001	1999	2000	2000	2000	2000	2000	1994	1994	2000

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	1814.6		1908.6			
ANNUAL MEAN	4.96		5.23		6.57	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					5.10	2000
HIGHEST DAILY MEAN	9.0	Jul 9	7.5	Jan 25	34	May 27 1993
LOWEST DAILY MEAN	3.1	Jun 5	3.2	Aug 6	3.1	Jun 5 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	Jun 3	3.3	Aug 4	3.2	Jul 7 1994
ANNUAL RUNOFF (AC-FT)	3600		3790		4760	
10 PERCENT EXCEEDS	6.7		7.0		8.5	
50 PERCENT EXCEEDS	4.4		4.6		6.4	
90 PERCENT EXCEEDS	3.5		3.7		4.0	



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)
Jul 8	2130	96	3.25	Jul 14	1445	*242	*4.20

Minimum daily discharge, 3.9 ft^3/s, Dec 18, Feb 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	5.9	5.2	4.6	e4.3	4.6	5.3	19	23	8.7	8.1	9.0
2	5.6	5.5	5.2	4.6	4.8	4.4	5.7	23	22	e8.7	8.4	8.9
3	5.5	5.5	5.2	e4.6	4.6	4.5	5.8	19	22	8.1	8.6	8.7
4	6.3	5.5	5.2	4.6	4.5	4.4	5.8	15	20	8.1	9.5	8.5
5	4.8	5.7	5.2	4.7	4.6	4.5	6.0	14	18	8.1	9.1	8.3
6	4.9	6.2	5.2	4.6	4.7	4.5	6.6	13	17	8.3	9.9	8.3
7	4.8	5.0	5.2	4.6	4.7	4.7	5.5	13	16	8.2	10	e8.4
8	5.0	5.2	5.2	e4.5	4.6	4.6	5.8	15	15	11	10	8.3
9	5.0	6.3	5.4	4.6	3.9	4.6	5.2	20	15	12	12	8.1
10	4.8	6.3	5.3	4.7	4.6	4.7	5.2	24	15	11	16	7.9
11	5.3	6.1	5.2	4.6	4.6	4.8	5.2	29	14	9.9	17	7.8
12	5.3	5.3	5.3	4.7	4.4	e4.7	5.0	30	14	9.4	17	7.4
13	5.0	5.0	5.1	4.9	4.4	4.5	4.8	31	14	10	18	8.0
14	4.9	5.3	5.0	4.7	4.4	4.5	5.0	37	13	23	20	7.6
15	4.9	5.9	4.9	4.9	4.4	4.1	5.4	38	13	e14	17	7.2
16	4.8	5.5	4.6	4.7	4.3	4.6	6.5	35	12	e12	15	7.1
17	4.8	5.2	4.9	e4.6	4.4	4.6	7.3	36	12	e12	14	7.5
18	5.1	e5.0	3.9	e4.7	4.5	4.5	8.5	35	11	e11	14	7.7
19	5.1	e4.8	e4.0	e4.5	4.5	4.5	9.5	36	11	11	13	7.0
20	5.1	e5.0	5.1	e5.0	4.4	4.6	10	35	10	10	13	6.9
21	5.1	5.8	5.0	e4.7	4.5	4.9	9.1	32	9.9	10	12	6.5
22	5.6	5.8	4.9	e5.1	4.4	5.2	8.6	26	9.9	9.7	13	6.4
23	6.5	5.7	4.8	e4.9	4.6	5.3	8.0	24	10	9.5	12	6.3
24	8.2	5.6	4.8	e4.8	4.5	5.4	8.5	24	10	9.3	11	6.3
25	5.6	5.5	4.8	4.6	4.4	5.5	9.5	25	9.8	9.3	11	6.2
26	5.4	5.5	4.7	4.5	4.5	5.6	11	27	10	9.3	10	6.2
27	5.3	5.6	e4.6	4.6	4.6	5.4	13	30	10	9.2	9.8	6.2
28	5.3	5.5	4.7	4.7	5.0	5.3	13	31	9.8	8.6	9.5	6.2
29	5.2	5.4	4.8	4.6	---	5.2	16	29	9.4	8.3	9.4	6.1
30	5.1	5.3	4.7	4.6	---	5.0	17	27	8.8	8.2	9.8	5.9
31	6.6	---	4.7	4.5	---	5.1	---	25	---	8.3	9.7	---
TOTAL	166.8	165.9	152.8	145.0	126.1	148.8	237.8	817	404.6	314.2	376.8	220.9
MEAN	5.38	5.53	4.93	4.68	4.50	4.80	7.93	26.4	13.5	10.1	12.2	7.36
MAX	8.2	6.3	5.4	5.1	5.0	5.6	17	38	23	23	20	9.0
MIN	4.8	4.8	3.9	4.5	3.9	4.1	4.8	13	8.8	8.1	8.1	5.9
AC-FT	331	329	303	288	250	295	472	1620	803	623	747	438

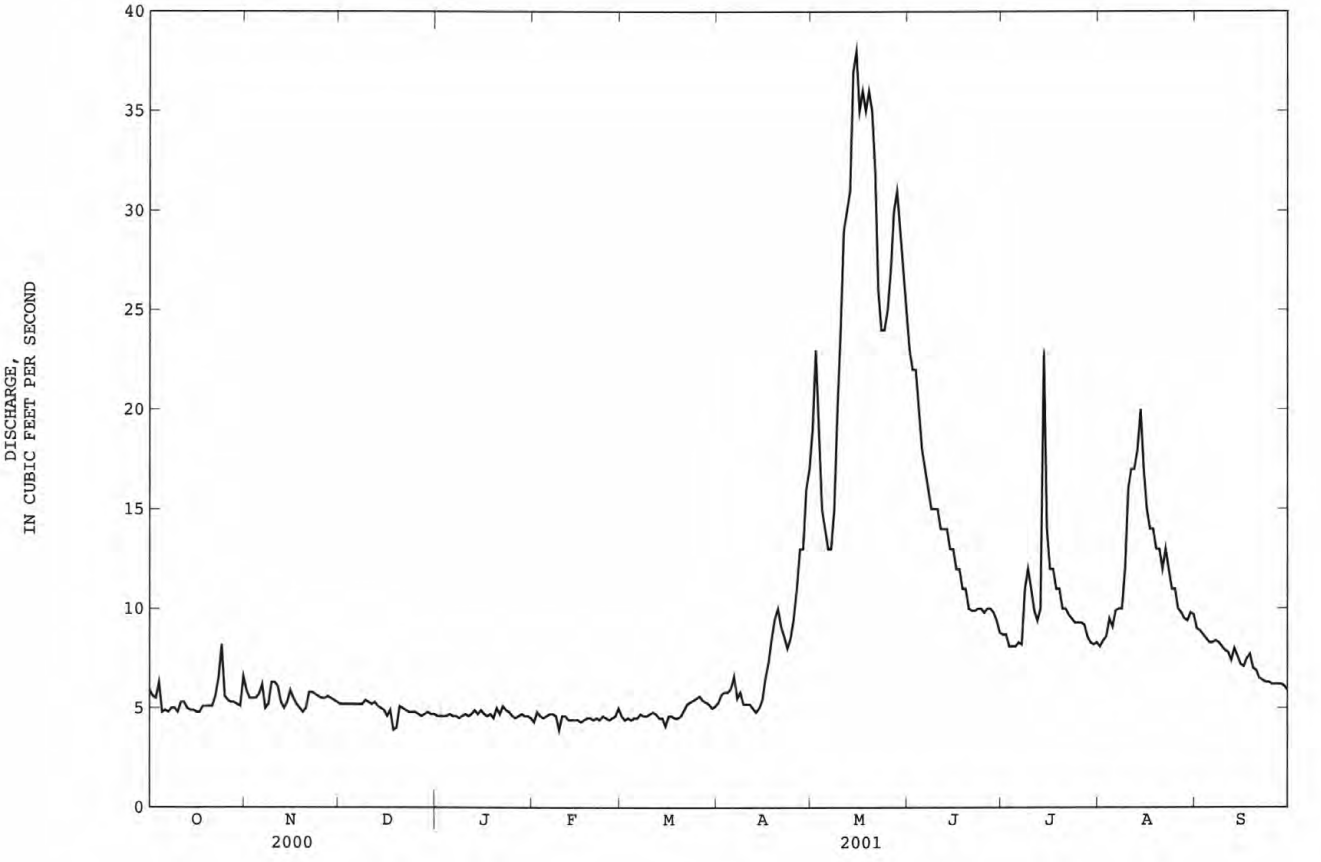
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-2001, BY WATER YEAR (WY)

MEAN	8.54	7.47	6.76	6.20	5.80	6.41	11.0	28.1	27.0	14.5	10.4	8.73
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	4.80	5.42	8.03	7.08	5.32	4.69	5.00
(WY)	1957	1957	1955	1957	1956	2001	1990	1990	1959	1959	1990	1959

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1955-59, 1988-2001	
ANNUAL TOTAL	3109.8		3276.7			
ANNUAL MEAN	8.50		8.98		11.8	
HIGHEST ANNUAL MEAN					20.4	1993
LOWEST ANNUAL MEAN					6.13	1990
HIGHEST DAILY MEAN	32	May 5	38	May 15	141	May 27 1993
LOWEST DAILY MEAN	3.9	Dec 18	3.9	Dec 18	2.8	Nov 2 1956
ANNUAL SEVEN-DAY MINIMUM	4.6	Dec 13	4.4	Feb 9	3.2	Oct 30 1956
ANNUAL RUNOFF (AC-FT)	6170		6500		8530	
10 PERCENT EXCEEDS	16		17		23	
50 PERCENT EXCEEDS	6.2		5.8		7.6	
90 PERCENT EXCEEDS	5.0		4.6		5.0	

e Estimated



09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼ NE¼ NE¼ sec.26, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, on right bank 0.1 mi downstream from Bitter Creek, 1.0 mi southeast of town of Green River, and 4.0 mi upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--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.

WATER-DISCHARGE RECORDS

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

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

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

REMARKS.--Records fair 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	831	938	e810	e860	e880	e660	628	e1580	789	601	620	546
2	867	909	e798	e880	e900	e610	681	e1600	738	605	613	537
3	858	898	e791	e890	e950	e600	679	e1550	758	650	548	528
4	854	893	e809	e890	e960	e590	632	e1450	771	602	548	528
5	870	892	e810	e920	e950	e610	637	1300	776	598	527	533
6	870	865	e809	e920	e970	e580	660	1280	811	604	514	559
7	877	887	e812	e930	e980	e600	656	1300	797	e610	516	559
8	877	e920	e809	e915	e950	e600	654	1330	750	e610	506	568
9	888	e900	e812	e900	e910	e580	640	1320	684	e650	509	635
10	890	e880	e809	e880	e910	e620	632	1340	665	e680	520	557
11	913	e840	e813	e901	e930	e660	625	1290	652	671	530	557
12	928	e780	e803	e900	e930	e620	603	1060	653	661	536	558
13	890	e740	e745	e930	e910	e580	579	1000	697	650	548	563
14	891	e690	e727	e920	e900	e570	563	965	671	622	524	547
15	894	e760	e740	e920	e900	e560	544	933	656	634	524	551
16	893	e790	e736	e920	e890	e560	527	881	675	633	509	547
17	894	e820	e692	e900	e860	e570	534	820	654	618	517	569
18	897	e860	e660	e880	e850	e580	589	813	629	629	527	610
19	900	e840	e640	e880	e870	e580	582	818	642	631	522	557
20	900	e850	e682	e894	e870	e580	e640	747	656	617	512	541
21	900	e880	e710	e910	e900	e610	e700	728	649	615	557	536
22	900	e890	e751	e900	e910	621	e860	726	656	622	561	517
23	893	e850	e780	e930	e900	632	e970	754	659	633	551	506
24	895	e850	e800	e900	e870	704	e900	752	668	633	560	503
25	908	e870	e860	e930	e800	744	e1100	752	664	622	533	506
26	903	e890	e850	e900	e760	715	e1200	764	672	614	517	506
27	898	e865	e870	e910	e710	672	e1300	773	638	642	520	505
28	900	e851	e840	e920	e670	664	e1400	782	630	649	526	513
29	900	e849	e880	e920	---	661	e1500	774	620	625	526	494
30	894	e837	e840	e900	---	672	e1600	774	602	620	525	489
31	903	---	e860	e900	---	642	---	765	---	631	527	---
TOTAL	27576	25584	24348	28050	24790	19247	23815	31721	20582	19482	16573	16225
MEAN	890	853	785	905	885	621	794	1023	686	628	535	541
MAX	928	938	880	930	980	744	1600	1600	811	680	620	635
MIN	831	690	640	860	670	560	527	726	602	598	506	489
AC-FT	54700	50750	48290	55640	49170	38180	47240	62920	40820	38640	32870	32180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	972	860	741	760	831	1042	1633	2583	4821	3236	1569	1130
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	395062		277993		--	
ANNUAL MEAN	1079		762		1683	
HIGHEST ANNUAL MEAN	--		--		3089	1986
LOWEST ANNUAL MEAN	--		--		689	1977
HIGHEST DAILY MEAN	1660[e]	Jun 9	1600[e]	Apr 30,May 2	16700	Sep 7 1965
LOWEST DAILY MEAN	640[e]	Dec 19	489	Sep 30	170	Nov 16 1955
ANNUAL SEVEN-DAY MINIMUM	694	Dec 15	502[e]	Sep 24	214[a]	Dec 24 1962
MAXIMUM PEAK FLOW	--		1600[e]	Apr 30	16800[a]	Sep 7 1965
MAXIMUM PEAK STAGE	--		4.34[b]	Nov 23	8.53[a]	Sep 7 1965
ANNUAL RUNOFF (AC-FT)	783600		551400		1219000	
10 PERCENT EXCEEDS	1420		923		3680	
50 PERCENT EXCEEDS	1060		747		1100	
90 PERCENT EXCEEDS	802		536		460	

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 SW¼ SW¼ SW¼ 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 fair except those for estimated daily discharges, which are poor. Data collection platform with satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	43	e26	e31	25	e17	22	282	550	156	49	35
2	41	e43	e25	33	23	e17	22	224	538	148	48	33
3	42	e43	e26	33	21	e16	21	128	480	140	56	30
4	42	e42	e27	32	21	e16	20	164	428	135	61	30
5	41	e42	e28	31	20	e17	21	150	392	136	54	28
6	41	e40	e29	30	e20	e16	22	141	353	132	48	29
7	41	e40	e28	28	e21	e16	22	145	385	138	49	28
8	41	e40	e27	28	e19	e15	21	180	397	126	46	29
9	41	e38	e25	29	e17	15	29	252	413	168	46	28
10	47	e36	e25	29	e16	15	25	328	416	153	55	27
11	57	e36	e26	27	e17	15	25	386	394	140	46	26
12	51	e36	e27	27	e18	14	27	437	392	134	42	26
13	49	e34	e28	28	e19	13	23	499	334	139	43	33
14	51	e32	e26	27	e19	e13	24	562	276	133	44	33
15	47	e31	e25	25	e19	14	27	618	229	159	41	26
16	47	e31	e25	24	e20	14	29	1180	214	115	38	25
17	47	e29	e25	24	e20	13	41	1020	218	102	36	32
18	50	e28	e24	23	e21	13	58	784	219	94	35	40
19	49	e28	e23	23	e20	14	76	679	219	87	34	27
20	46	e28	e24	21	20	14	77	666	215	81	33	25
21	49	e27	e25	21	18	15	70	554	215	76	48	25
22	47	e27	e25	21	17	17	64	518	218	71	49	25
23	46	e27	e26	20	17	20	60	600	210	66	39	24
24	46	e28	e25	20	17	21	66	708	224	63	35	23
25	44	e28	e25	20	e17	21	80	741	222	60	33	23
26	42	e29	e24	21	e18	22	103	712	210	60	32	23
27	43	e30	e26	22	e17	21	128	670	198	60	32	23
28	43	e29	e27	24	e16	21	170	614	188	56	31	23
29	43	e28	e27	24	---	20	213	583	180	52	30	22
30	45	e26	e28	25	---	20	234	575	166	50	35	22
31	45	---	e30	25	---	22	---	533	---	53	42	---
TOTAL	1406	999	807	796	533	517	1820	15633	9093	3283	1310	823
MEAN	45.4	33.3	26.0	25.7	19.0	16.7	60.7	504	303	106	42.3	27.4
MAX	57	43	30	33	25	22	234	1180	550	168	61	40
MIN	41	26	23	20	16	13	20	128	166	50	30	22
AC-FT	2790	1980	1600	1580	1060	1030	3610	31010	18040	6510	2600	1630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	53.6	40.2	32.6	27.3	24.1	25.0	51.3	403	764	333	108	67.7
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	27.4
(WY)	1993	2000	1977	1977	1977	1994	1975	1975	2000	2000	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	33017		37020		--	
ANNUAL MEAN	90.2		101		161	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		79.3	1977
HIGHEST DAILY MEAN	930	May 24	1180	May 16	1880	Jun 19 1983
LOWEST DAILY MEAN	14	Mar 15	13	Mar 13,14,17,18	3.2	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	16	Mar 12	13	Mar 12	3.9	Apr 2 1994
MAXIMUM PEAK FLOW	--		1490	May 16	2480[a]	Jun 19 1983
MAXIMUM PEAK STAGE	--		4.16	May 16	5.17[b]	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	65490		73430		116700	
10 PERCENT EXCEEDS	220		278		494	
50 PERCENT EXCEEDS	38		33		45	
90 PERCENT EXCEEDS	24		19		21	

a Gage height, 4.91 ft, site and datum then in use.
b Discharge, 2,210 ft^3/s.
e Estimated.

09234500 GREEN RIVER NEAR GREENDALE, UT

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

DRAINAGE AREA.--19,350 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.

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, 4,530 ft^3/s, May 18, 22, gage height, 11.72 ft; minimum daily discharge, 784 ft^3/s, Jul 16, 19, 22, 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	1030	e1020	971	964	1010	886	1170	1090	979	786	825
2	1010	1020	e1020	972	966	1010	1180	1170	1090	823	787	823
3	1010	1020	e1020	972	967	1010	1170	1170	857	800	788	824
4	1020	1020	e1020	972	968	1010	1170	1170	1090	786	786	823
5	1020	1020	e1020	971	960	1020	1170	1170	1090	791	785	822
6	1020	1020	e1020	972	958	1020	1180	943	1090	786	785	824
7	1020	1020	1060	968	959	1010	1170	1170	1090	787	802	825
8	1020	1020	1150	971	959	1010	930	1170	1100	787	820	826
9	1020	1020	1140	968	956	1010	1170	1150	1090	787	820	824
10	1020	1020	1110	967	957	1010	1170	1160	864	787	821	823
11	1020	1020	1140	1060	959	1010	1170	1430	1100	787	823	822
12	1020	1020	1140	968	958	1010	1170	2050	1100	788	822	822
13	1020	1020	1110	968	1020	1000	1170	2590	1100	787	821	824
14	1020	1020	985	968	952	1010	1180	3130	1100	786	823	825
15	1010	1020	987	974	953	1010	931	3680	1100	787	822	826
16	1010	1020	986	958	965	1010	1170	4320	1100	784	822	825
17	1020	1020	986	952	988	1010	1170	4480	859	785	822	1090
18	1030	1020	984	951	988	1010	1170	4400	1090	785	823	1190
19	1030	1020	971	950	989	1010	1170	3710	1090	784	822	847
20	1030	1020	969	950	990	1010	1170	3580	1090	785	822	819
21	1030	1020	980	947	989	1010	1180	4100	1090	785	823	820
22	1040	1020	980	947	994	1010	932	4490	1090	784	825	821
23	1030	1020	981	950	1010	1010	1300	4130	1090	785	824	821
24	1030	1020	981	950	993	1010	1460	3710	857	785	823	821
25	1020	e1020	981	951	993	1010	1170	3340	1090	786	822	821
26	1030	e1020	969	951	998	1010	1170	2990	1090	787	821	818
27	1030	e1020	968	951	1010	1010	1170	2640	1090	787	821	816
28	1030	e1020	969	952	1020	1010	1170	2270	1090	787	827	816
29	1030	e1020	966	e952	---	1010	929	1900	1090	786	822	817
30	1030	e1020	966	952	---	1010	1170	1440	1090	784	825	818
31	1030	---	969	951	---	1010	---	1140	---	785	825	---
TOTAL	31700	30610	31548	29857	27383	31320	34318	76963	31847	24612	25260	25318
MEAN	1023	1020	1018	963	978	1010	1144	2483	1062	794	815	844
MAX	1040	1030	1150	1060	1020	1020	1460	4490	1100	979	827	1190
MIN	1000	1020	966	947	952	1000	886	943	857	784	785	816
AC-FT	62880	60710	62580	59220	54310	62120	68070	152700	63170	48820	50100	50220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	1902	2061	2250	2172	2149	1830	1971	2524	2581	2343	2005	1874
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	605120		400736			
ANNUAL MEAN	1653		1098		2139	
HIGHEST ANNUAL MEAN					4270	1983
LOWEST ANNUAL MEAN					1044	1989
HIGHEST DAILY MEAN	4610	May 24	4490	May 22	12300	Jul 16 1983
LOWEST DAILY MEAN	966	Dec 29	784	Jul 16	90	Oct 8 1963
ANNUAL SEVEN-DAY MINIMUM	970	Dec 25	785	Jul 16	112	Oct 2 1963
ANNUAL RUNOFF (AC-FT)	1200000		794900		1549000	
10 PERCENT EXCEEDS	2210		1170		3750	
50 PERCENT EXCEEDS	1400		1010		1870	
90 PERCENT EXCEEDS	1020		810		895	

e Estimated

09261000 GREEN RIVER NEAR JENSEN, UT

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

DRAINAGE AREA.--29,660 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). WDR 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, 14,700 ft^3/s, May 19, gage height, 8.34 ft; minimum discharge, 959 ft^3/s, Sep 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1570	1520	1470	1420	1490	1560	2970	7690	7500	1870	1030	1020
2	1490	1510	1470	1380	1550	1560	2790	7560	6920	1750	1030	1010
3	1470	1500	1460	1370	e1520	1560	2640	8270	6780	1590	1060	990
4	1470	1510	1450	1380	e1520	1560	3120	8730	6700	1410	1060	988
5	1480	1530	1450	1350	e1510	1560	3970	7240	6460	1350	1060	981
6	1450	1540	1450	1400	e1490	1610	4430	6270	5940	1300	1060	980
7	1420	1490	1430	1370	1390	1650	4420	6470	5220	1250	1040	974
8	1400	1470	1400	1400	1370	1710	4470	6060	4770	1210	1040	973
9	1380	1470	1560	1340	1250	1800	4820	5860	4800	1200	1120	978
10	1380	1480	1550	1420	1310	1940	3910	6100	4880	1200	1040	978
11	1470	1500	1560	1380	1480	2280	3580	7110	4680	1150	1020	976
12	1470	1360	1500	1400	1420	2460	3300	8060	4440	1150	1020	975
13	1460	1340	1550	1420	1390	2540	3220	9640	4510	1180	1020	1000
14	1400	1310	1520	1340	1390	2470	3030	10400	4330	1200	1080	1060
15	1400	1370	1530	1320	1430	2110	2870	11500	3950	1240	1160	1070
16	1420	1420	1380	1300	1360	2050	2810	12300	3650	1230	1230	1050
17	1410	1430	1330	1280	1370	2120	2620	13700	3320	1200	1130	1050
18	1410	1370	1350	1340	1390	2060	2650	14400	2980	1170	1100	1060
19	1420	1370	1350	1400	1410	1930	2790	14400	2660	1160	1100	1280
20	1430	1380	1470	1480	1430	1910	3450	12600	2760	1160	1110	1260
21	1430	1380	1410	1440	1450	2110	4600	13000	2660	1150	1100	1080
22	1460	1400	1430	1460	1460	2470	5680	12800	2560	1120	1110	1080
23	1460	1400	1460	1470	1540	3180	5200	11800	2420	1090	1070	1110
24	1450	1410	1440	1470	1550	2960	4440	10500	2300	1070	1050	1110
25	1440	1440	1430	1430	1500	3420	4370	9820	2180	1050	1160	1090
26	1440	1460	1390	1410	1510	3640	3930	9760	1940	1050	1160	1070
27	1430	1480	1370	1430	1540	3480	3610	9710	2010	1060	1100	1060
28	1440	1490	1440	1450	1550	3830	4470	9470	2050	1060	1060	1040
29	1450	1490	1430	1440	---	4250	6100	9630	1990	1050	1040	1020
30	1450	1510	1400	1460	---	3740	7360	9110	2030	1030	1030	1020
31	1470	---	1440	1460	---	3240	---	8070	---	1030	1020	---
TOTAL	44720	43330	44870	43410	40570	74760	117620	298030	119390	37730	33410	31333
MEAN	1443	1444	1447	1400	1449	2412	3921	9614	3980	1217	1078	1044
MAX	1570	1540	1560	1480	1550	4250	7360	14400	7500	1870	1230	1280
MIN	1380	1310	1330	1280	1250	1560	2620	5860	1940	1030	1020	973
AC-FT	88700	85950	89000	86100	80470	148300	233300	591100	236800	74840	66270	62150

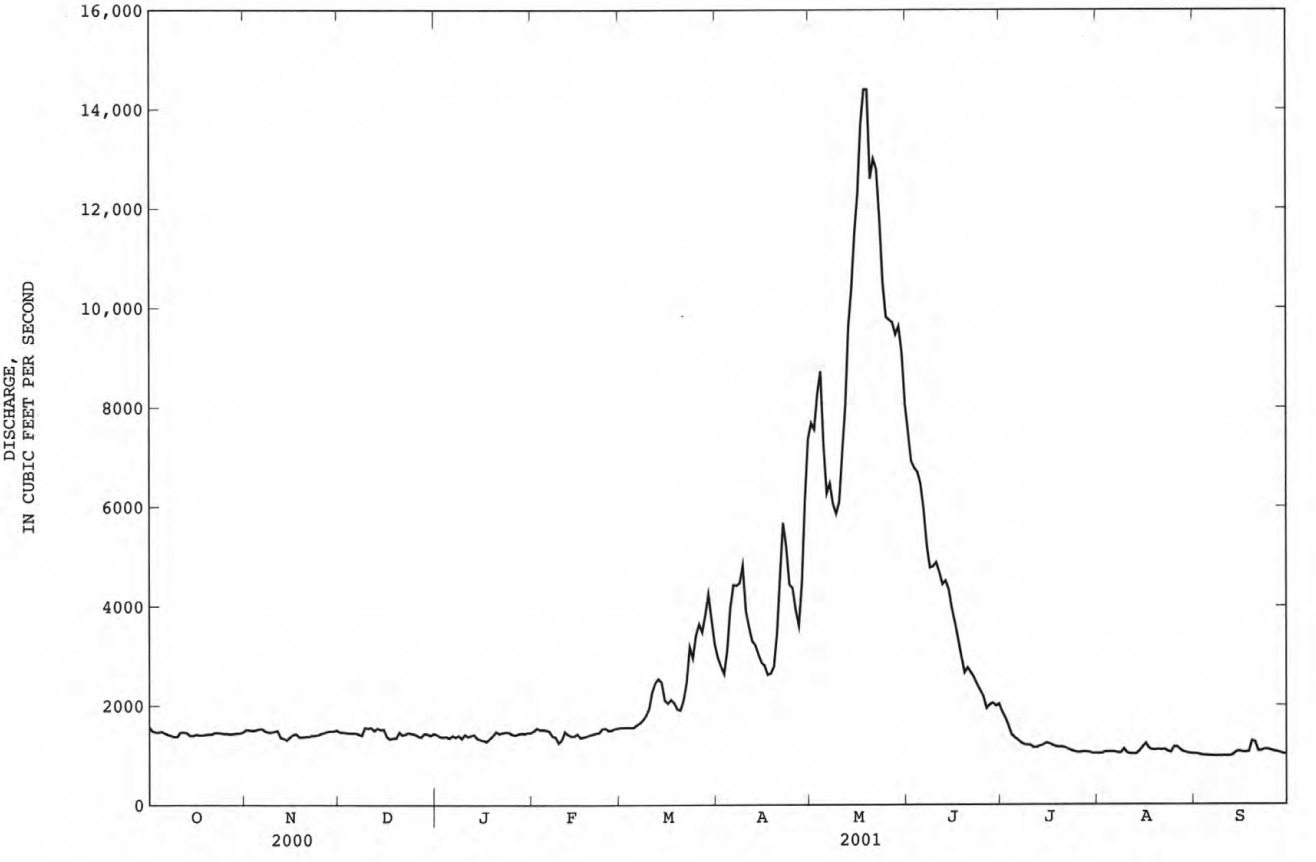
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2001, BY WATER YEAR (WY)

MEAN	2169	2252	2212	2157	2385	3096	5667	11440	11550	4713	2460	1935
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947 - 2001	
ANNUAL TOTAL	1222650		929173			
ANNUAL MEAN	3341		2546		4340	
HIGHEST ANNUAL MEAN					7783	1984
LOWEST ANNUAL MEAN					1457	1963
HIGHEST DAILY MEAN	16200	Jun 1	14400	May 18	38500	May 18 1984
LOWEST DAILY MEAN	1180	Sep 24	973	Sep 8	260	Aug 2 1963
ANNUAL SEVEN-DAY MINIMUM	1280	Sep 19	976	Sep 6	296	Oct 9 1963
ANNUAL RUNOFF (AC-FT)	2425000		1843000		3144000	
10 PERCENT EXCEEDS	8720		6080		10600	
50 PERCENT EXCEEDS	2360		1460		2750	
90 PERCENT EXCEEDS	1350		1060		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 2001 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.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 26.8°C, July 8; minimum, 0.0°C, on several days in the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	GAGE HEIGHT (FEET) (00065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
MAR								
01...	1610	1550	8.8	650	14.0	4.5	2.79	<2.4
APR								
11...	1820	3400	8.5	580	10.5	9.5	4.22	E1.5
MAY								
23...	1320	11500	8.2	345	29.5	14.5	7.22	<2.0
JUL								
17...	1210	1200	8.5	590	31.0	21.5	2.36	<2.0
AUG								
29...	1720	976	8.6	710	33.5	22.5	2.11	<2.0

E Estimated value.
< Actual value is known to be less than the value shown.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.4	13.4	14.6	9.2	7.7	8.3	2.5	1.1	1.7	.2	.1	.2
2	15.3	13.1	14.5	7.8	6.5	7.2	1.9	.4	1.1	.3	.1	.1
3	15.2	13.3	14.5	6.9	5.4	6.0	1.2	.1	.6	.2	.0	.1
4	14.5	12.9	13.8	5.8	3.9	5.0	1.1	.1	.5	.2	.1	.2
5	14.1	11.8	13.1	5.4	4.0	4.5	1.4	.1	.6	.2	.0	.1
6	13.4	10.9	12.3	4.7	3.7	4.2	1.6	.6	1.0	.3	.1	.2
7	12.8	10.1	11.4	4.3	2.7	3.3	1.4	.1	.8	.3	.0	.1
8	11.6	9.3	10.7	3.3	1.7	2.6	1.7	.2	.9	.2	.1	.2
9	12.2	9.2	10.9	3.5	2.3	3.0	2.6	1.5	2.1	.2	.1	.2
10	12.2	10.7	11.5	4.1	3.1	3.5	2.4	1.4	2.0	.6	.1	.2
11	11.9	10.8	11.3	3.5	2.1	2.5	1.8	.9	1.4	.3	.1	.2
12	12.2	10.4	11.2	2.1	.6	1.1	1.6	.8	1.1	.5	.2	.3
13	11.5	9.5	10.5	.9	.0	.3	1.3	.6	1.0	.9	.2	.5
14	11.0	9.1	10.2	.7	.1	.3	1.9	.9	1.3	.8	.1	.4
15	10.9	8.6	10.0	1.7	.2	.9	2.2	1.4	1.7	.5	.1	.2
16	10.7	8.5	9.8	1.4	.1	.8	1.5	.2	.8	.2	.1	.2
17	10.9	8.5	9.9	1.1	.1	.5	1.0	.1	.2	.2	.1	.2
18	11.0	8.5	10.0	.5	.0	.2	.2	.0	.2	.2	.1	.2
19	11.4	8.8	10.2	.3	.0	.1	.2	.1	.1	.2	.1	.2
20	11.3	9.3	10.5	.4	.1	.1	.2	.1	.1	.3	.1	.2
21	11.1	9.1	10.0	.7	.1	.3	.3	.1	.2	.2	.1	.2
22	11.1	9.7	10.3	1.6	.1	.8	.2	.1	.1	.3	.1	.2
23	10.2	8.8	9.5	1.9	.4	1.2	.2	.1	.1	.3	.1	.2
24	10.5	9.0	9.7	2.0	.3	1.2	.2	.1	.2	.2	.1	.2
25	10.9	8.9	10.0	2.0	.9	1.4	.7	.1	.3	.3	.1	.2
26	10.9	9.3	10.1	2.5	.6	1.5	.2	.1	.2	.2	.1	.2
27	10.4	9.3	9.9	3.3	1.8	2.5	.2	.1	.1	.4	.1	.2
28	10.2	9.2	9.7	3.1	1.6	2.3	.2	.1	.2	.7	.1	.3
29	10.1	9.0	9.7	2.8	1.5	2.2	.2	.1	.2	.9	.2	.4
30	10.4	9.0	9.7	3.2	1.8	2.4	.4	.1	.2	.6	.1	.2
31	9.9	8.4	8.8	---	---	---	.2	.1	.2	.2	.1	.2
MONTH	15.4	8.4	10.9	9.2	.0	2.3	2.6	.0	.7	.9	.0	.2

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.3	.0	.2	5.1	3.1	4.0	9.7	7.4	8.5	14.5	12.8	13.7
2	.5	.1	.2	5.5	3.4	4.4	11.0	9.0	9.9	12.8	10.3	11.5
3	.6	.1	.3	5.7	3.7	4.7	10.9	9.8	10.3	10.3	7.7	9.0
4	.9	.1	.4	5.6	3.1	4.4	11.3	9.5	10.3	8.3	6.8	7.5
5	.9	.1	.5	6.6	3.9	5.2	11.2	10.0	10.6	10.7	7.9	9.1
6	1.3	.1	.6	7.2	4.9	6.0	10.8	9.4	10.0	12.8	9.4	10.9
7	2.3	.9	1.6	7.2	5.0	6.1	9.4	7.7	8.4	13.8	10.3	12.0
8	2.1	.6	1.3	7.2	4.7	5.9	8.3	7.1	7.6	14.9	11.4	13.1
9	.6	.0	.2	7.0	5.0	5.9	9.6	6.9	8.1	15.6	12.8	14.2
10	.7	.1	.3	6.8	5.8	6.3	8.7	7.2	8.0	16.7	14.1	15.3
11	1.1	.1	.6	5.9	4.8	5.3	9.4	7.5	8.4	16.9	14.2	15.5
12	1.2	.1	.6	4.9	3.7	4.4	8.5	7.3	7.8	17.1	14.1	15.6
13	1.8	.5	1.1	4.7	3.1	3.9	9.3	6.7	7.9	17.0	14.6	15.8
14	1.7	.5	1.1	4.2	3.0	3.6	9.7	7.4	8.5	17.0	14.7	15.8
15	2.2	.3	1.3	4.8	2.2	3.5	11.0	7.8	9.3	16.3	14.9	15.6
16	1.9	.1	1.0	4.0	2.5	3.2	12.4	8.9	10.4	15.3	14.3	14.7
17	2.4	.1	1.2	5.1	2.8	4.0	14.1	10.5	12.1	14.4	13.1	14.0
18	3.1	.7	1.9	5.5	3.9	4.7	14.8	12.1	13.3	13.2	12.1	12.6
19	3.7	2.3	3.0	7.4	4.0	5.6	15.0	12.9	13.8	13.7	12.2	12.9
20	4.8	2.1	3.4	8.0	5.7	6.7	13.9	11.7	12.4	14.5	12.4	13.4
21	5.4	3.6	4.5	9.5	7.1	8.1	11.9	11.0	11.4	13.9	12.3	13.1
22	5.3	3.4	4.5	10.0	7.5	8.8	11.0	9.8	10.3	14.0	11.9	12.8
23	5.0	3.4	3.8	9.0	7.7	8.4	10.4	8.8	9.6	15.3	12.5	13.8
24	4.9	3.4	4.1	9.7	7.5	8.5	12.5	9.1	10.7	16.1	13.6	14.9
25	4.5	2.9	3.8	9.7	7.9	8.7	14.2	10.6	12.4	16.4	14.4	15.5
26	4.4	2.6	3.6	9.1	7.8	8.5	15.8	12.4	14.1	16.5	15.1	15.7
27	4.5	3.4	4.0	9.1	7.0	8.0	16.8	13.9	15.3	16.7	14.9	15.7
28	3.8	2.3	3.1	8.6	7.1	7.8	17.1	15.0	16.0	16.2	15.0	15.7
29	---	---	---	8.5	7.3	7.9	16.6	15.2	15.8	16.3	14.7	15.4
30	---	---	---	9.2	6.8	8.0	15.7	13.6	14.7	17.6	14.1	15.8
31	---	---	---	9.4	6.7	8.1	---	---	---	18.0	14.9	16.4
MONTH	5.4	.0	1.9	10.0	2.2	6.1	17.1	6.7	10.9	18.0	6.8	13.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.3	15.7	17.4	24.2	21.8	23.0	24.5	20.9	22.9	22.1	18.7	20.3
2	18.9	16.9	18.0	24.4	21.3	22.9	25.1	21.6	23.5	21.9	18.5	20.3
3	18.4	16.7	17.6	25.1	21.1	23.3	24.6	21.8	23.4	22.0	18.8	20.7
4	17.6	15.3	16.4	25.2	22.0	23.9	25.5	21.5	23.7	22.1	19.0	20.8
5	16.4	14.3	15.4	25.5	22.2	23.9	25.6	22.1	24.1	22.2	19.4	20.9
6	17.6	14.2	15.9	26.3	22.4	24.5	25.1	22.4	23.8	21.0	16.9	19.3
7	19.3	15.6	17.4	25.7	23.0	24.4	25.6	22.3	24.0	19.3	15.4	17.1
8	20.0	17.3	18.7	26.8	22.7	24.8	25.9	22.8	24.4	17.4	14.2	15.8
9	21.4	18.4	19.8	26.7	23.3	25.2	24.9	22.2	23.7	16.6	13.1	15.1
10	21.4	18.8	20.2	26.5	23.4	24.9	24.9	21.3	23.1	16.9	13.3	15.3
11	21.3	18.7	20.1	26.1	22.3	24.1	24.8	21.1	23.0	17.9	14.3	16.4
12	20.4	17.9	19.1	25.6	21.9	23.9	23.8	20.6	22.4	18.4	15.7	17.4
13	18.2	16.3	17.2	24.8	22.2	23.5	22.7	20.6	21.4	19.5	16.8	18.3
14	17.0	14.4	15.8	23.0	20.7	21.6	23.5	19.6	21.5	20.2	17.3	18.9
15	17.7	14.5	16.1	22.8	19.6	21.3	22.4	19.7	21.2	20.6	17.2	19.1
16	19.2	15.6	17.3	22.9	19.6	21.4	22.4	19.0	21.0	19.7	16.8	18.4
17	20.4	17.1	18.7	22.4	19.2	21.0	23.0	19.3	21.5	19.2	16.4	17.6
18	20.9	18.2	19.4	22.6	19.1	21.1	22.8	19.3	21.2	18.3	15.2	16.9
19	21.7	18.4	19.9	22.8	19.4	21.3	21.7	18.4	20.1	17.8	15.1	16.6
20	22.1	18.8	20.2	23.3	19.6	21.6	21.1	18.7	19.9	17.7	14.8	16.5
21	22.8	19.2	21.0	23.7	20.2	22.1	22.4	18.3	20.3	18.5	15.3	17.2
22	23.5	20.1	21.7	23.7	20.1	22.1	22.0	18.7	20.5	18.5	15.4	17.3
23	23.2	20.4	21.8	22.7	20.0	21.7	22.8	19.2	21.3	18.2	15.1	17.1
24	23.4	20.5	22.0	23.1	19.8	21.6	21.9	19.6	20.9	17.7	14.7	16.6
25	23.3	20.6	22.0	23.9	20.4	22.3	22.1	19.0	20.8	17.6	14.5	16.4
26	22.3	20.0	21.2	23.8	20.8	22.2	22.6	19.0	21.2	17.7	14.6	16.5
27	23.2	19.9	21.5	23.7	19.9	22.0	22.6	19.1	21.2	17.5	14.5	16.4
28	23.8	20.2	22.1	23.6	20.2	22.1	23.0	19.5	21.5	17.3	14.3	16.2
29	24.8	20.8	22.9	23.8	20.6	22.4	22.7	20.1	21.6	17.2	14.3	16.1
30	24.9	21.6	23.3	23.5	20.7	22.0	22.7	19.9	21.3	17.5	14.7	16.4
31	---	---	---	24.6	20.9	22.9	22.6	19.6	21.0	---	---	---
MONTH	24.9	14.2	19.3	26.8	19.1	22.7	25.9	18.3	22.0	22.2	13.1	17.6
YEAR	26.8	.0	10.8									

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
MAR											
26...	1525	3500	8.8	1240	11700	--	--	--	--	--	88
APR											
05...	1005	4170	10.1	--	--	--	--	--	--	--	100
17...	0955	2600	10.4	125	878	--	--	--	--	--	95
JUN											
13...	1057	4650	16.2	92	1160	59	69	80	93	93	--
19...	1730	2590	21.5	38	266	--	--	--	--	--	82

BEDLOAD SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	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)	SED. BEDLOAD SIEVE DIAM. % FINER THAN 16.0 MM (80234)
MAR														
26...	1526	3500	8.8	755	111	82	89	91	97	99	100	100	--	--
APR														
05...	1006	4170	10.1	775	119	0	1	6	63	90	99	100	100	--
17...	0956	2600	10.4	660	28	1	2	12	67	88	97	99	100	100
JUN														
13...	1058	4650	16.2	325	230	0	0	1	17	62	94	99	100	--
19...	1731	2590	21.5	405	227	0	0	2	39	86	98	100	100	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
JUN										
13...	1059	4650	0	1	9	41	81	95	99	100

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

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

DRAINAGE AREA.--77.2 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, 278 ft^3/s, May 1, gage height, 1.84 ft; minimum discharge, 11 ft^3/s, on Feb 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	19	e15	13	12	12	15	271	162	31	32	23
2	14	18	e15	13	12	12	16	268	136	31	34	22
3	14	18	e15	13	12	12	17	252	119	31	33	21
4	14	17	e15	13	12	12	18	221	104	31	33	19
5	14	17	e15	14	12	12	20	190	95	30	34	19
6	14	17	e15	14	12	12	21	168	85	32	33	18
7	14	17	14	14	12	12	21	153	79	34	33	18
8	14	17	14	13	12	12	20	174	71	34	34	18
9	14	17	14	13	13	12	19	217	65	35	34	18
10	14	17	14	14	12	12	20	246	63	36	33	18
11	16	17	14	14	12	12	20	257	62	36	34	19
12	19	16	14	14	12	12	19	265	59	37	31	19
13	19	16	14	14	12	12	19	267	55	38	30	17
14	18	16	14	14	12	12	18	271	54	38	29	17
15	17	16	14	13	12	12	18	274	51	38	28	17
16	16	16	14	13	12	12	18	274	49	38	27	17
17	16	e15	14	e13	12	12	21	272	48	37	26	17
18	16	e15	14	13	12	12	27	261	48	37	26	17
19	17	e15	14	13	12	12	41	258	48	36	26	17
20	17	e15	14	13	12	12	63	251	47	35	27	15
21	17	e15	14	13	12	12	68	243	45	35	26	15
22	17	e15	14	13	12	13	55	233	42	35	25	15
23	17	e15	14	13	13	12	49	225	41	34	24	15
24	17	e15	13	13	12	13	48	242	38	34	22	15
25	19	e15	13	13	12	13	48	250	36	34	22	14
26	19	e15	13	13	12	13	63	252	35	34	22	14
27	19	e15	13	12	12	13	119	250	33	34	22	14
28	19	e15	13	12	12	13	195	244	32	34	22	14
29	19	e15	13	12	---	14	247	231	32	33	22	14
30	19	e15	13	13	---	14	265	213	31	33	22	14
31	19	---	13	13	---	14	---	189	---	32	21	---
TOTAL	512	481	432	408	338	384	1608	7382	1865	1067	867	510
MEAN	16.5	16.0	13.9	13.2	12.1	12.4	53.6	238	62.2	34.4	28.0	17.0
MAX	19	19	15	14	13	14	265	274	162	38	34	23
MIN	14	15	13	12	12	12	15	153	31	30	21	14
AC-FT	1020	954	857	809	670	762	3190	14640	3700	2120	1720	1010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

MEAN	21.8	18.3	15.9	14.8	14.2	15.4	46.0	158	118	46.2	33.4	24.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	13791		15854			
ANNUAL MEAN	37.7		43.4		44.0	
HIGHEST ANNUAL MEAN					69.6	1998
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	243	May 5	274	May 15	375	May 22 1998
LOWEST DAILY MEAN	12	Mar 17	12	Jan 27	7.6	Feb 10 1992
ANNUAL SEVEN-DAY MINIMUM	12	Mar 15	12	Feb 1	8.8	Feb 7 1992
ANNUAL RUNOFF (AC-FT)	27350		31450		31870	
10 PERCENT EXCEEDS	87		126		101	
50 PERCENT EXCEEDS	15		17		22	
90 PERCENT EXCEEDS	13		12		12	

e Estimated

09266500 ASHLEY CREEK NEAR VERNAL, UT

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

DRAINAGE AREA.--101 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 13	2115	*1,570	*4.61	No other peak greater than base discharge.			

Minimum discharge, 9.4 ft^3/s, Mar 2, 4, 5, 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	40	26	19	15	14	15	369	427	143	97	75
2	30	36	25	19	15	12	15	340	420	137	95	75
3	28	35	25	19	15	14	15	237	390	136	95	71
4	28	31	24	19	15	14	16	199	337	132	100	67
5	26	35	25	18	14	13	15	182	279	129	96	64
6	26	36	24	18	15	13	16	188	255	118	97	62
7	25	36	24	18	14	14	15	201	254	110	106	61
8	24	36	24	18	14	13	15	266	244	108	108	58
9	24	37	23	17	14	14	15	406	245	121	108	56
10	24	36	23	18	14	14	17	595	243	123	114	46
11	29	37	23	17	14	14	16	695	225	124	118	27
12	33	37	23	18	13	13	16	841	210	131	113	21
13	35	36	23	18	14	13	15	1020	193	124	110	21
14	35	36	23	17	14	13	15	1120	179	122	111	22
15	35	34	23	18	14	13	15	1090	162	122	108	26
16	35	35	23	17	14	13	16	1070	150	121	99	21
17	35	34	21	17	14	13	18	882	144	110	88	21
18	35	32	22	17	13	13	22	782	140	100	83	23
19	36	32	21	17	14	12	37	922	137	93	87	27
20	37	31	21	17	13	13	51	899	134	93	82	26
21	37	30	22	17	14	13	53	697	129	96	82	24
22	38	29	20	16	12	14	53	592	125	94	86	22
23	38	29	20	17	14	15	51	764	124	93	82	21
24	38	28	21	16	13	14	48	846	132	98	74	21
25	38	27	20	16	13	14	52	777	145	102	69	18
26	38	28	20	15	13	15	81	651	140	104	70	19
27	38	26	19	16	14	14	134	563	138	103	66	17
28	38	26	20	15	13	15	197	504	133	102	64	18
29	42	26	19	15	---	15	227	474	135	99	71	16
30	41	26	19	15	---	14	277	452	146	99	70	17
31	42	---	19	15	---	14	---	438	---	100	71	---
TOTAL	1039	977	685	529	388	422	1548	19062	6115	3487	2820	1063
MEAN	33.5	32.6	22.1	17.1	13.9	13.6	51.6	615	204	112	91.0	35.4
MAX	42	40	26	19	15	15	277	1120	427	143	118	75
MIN	24	26	19	15	12	12	15	182	124	93	64	16
AC-FT	2060	1940	1360	1050	770	837	3070	37810	12130	6920	5590	2110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	53.5	38.4	28.7	24.0	21.2	20.2	48.8	347	325	127	83.4	67.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915 - 2001	
ANNUAL TOTAL	27507		38135			
ANNUAL MEAN	75.2		104		99.1	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	946	May 5	1120	May 14	2530	Jun 15 1995
LOWEST DAILY MEAN	14	Apr 1	12	Feb 22	3.5	Jan 3 1977
ANNUAL SEVEN-DAY MINIMUM	15	Mar 30	13	Mar 13	3.8	Dec 31 1976
ANNUAL RUNOFF (AC-FT)	54560		75640		71770	
10 PERCENT EXCEEDS	174		243		231	
50 PERCENT EXCEEDS	29		32		43	
90 PERCENT EXCEEDS	17		14		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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	---	---	---	---	---	---	---	29	21	13	5.0
2	.48	---	---	---	---	---	---	---	29	15	12	1.2
3	.34	---	---	---	---	---	---	---	29	15	12	1.1
4	e.00	---	---	---	---	---	---	---	28	15	12	1.0
5	---	---	---	---	---	---	---	---	28	15	13	1.0
6	---	---	---	---	---	---	---	---	27	15	12	1.0
7	---	---	---	---	---	---	---	---	27	15	12	1.0
8	---	---	---	---	---	---	---	---	26	15	6.9	1.0
9	---	---	---	---	---	---	---	---	26	15	1.2	1.0
10	---	---	---	---	---	---	---	---	26	15	1.2	1.0
11	---	---	---	---	---	---	---	---	26	15	1.1	1.0
12	---	---	---	---	---	---	---	---	25	15	1.1	1.0
13	---	---	---	---	---	---	---	---	25	16	1.0	6.8
14	---	---	---	---	---	---	---	---	24	17	1.1	15
15	---	---	---	---	---	---	---	---	22	17	1.0	15
16	---	---	---	---	---	---	---	---	19	17	1.1	14
17	---	---	---	---	---	---	---	---	19	16	1.0	13
18	---	---	---	---	---	---	---	---	20	16	1.0	12
19	---	---	---	---	---	---	---	---	20	16	1.0	11
20	---	---	---	---	---	---	---	---	20	16	1.8	9.2
21	---	---	---	---	---	---	---	---	20	16	14	5.6
22	---	---	---	---	---	---	---	---	21	15	14	1.3
23	---	---	---	---	---	---	---	---	21	15	13	.92
24	---	---	---	---	---	---	---	e40	22	15	14	.46
25	---	---	---	---	---	---	---	40	22	15	14	.00
26	---	---	---	---	---	---	---	37	23	15	14	.00
27	---	---	---	---	---	---	---	35	22	15	13	.00
28	---	---	---	---	---	---	---	32	22	15	13	.00
29	---	---	---	---	---	---	---	30	22	14	12	.00
30	---	---	---	---	---	---	---	29	22	13	11	.00
31	---	---	---	---	---	---	---	29	---	13	11	---
TOTAL	1.42	---	---	---	---	---	---	272	712	478	249.5	120.58
MEAN	.36	---	---	---	---	---	---	34.0	23.7	15.4	8.05	4.02
MAX	.60	---	---	---	---	---	---	40	29	21	14	15
MIN	.00	---	---	---	---	---	---	29	19	13	1.0	.00
AC-FT	2.8	---	---	---	---	---	---	540	1410	948	495	239

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT

LOCATION.--Lat 40°26'01", long 109°27'56", in NE¼NW¼NE¼ 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 current year.

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, 1,360 ft^3/s, May 25, 2001, gage height, 10.05 ft, from rating curve extended above 90 ft^3/s and in relation to downstream station 09271550; minimum daily discharge, 1.3 ft^3/s, Jul 30, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,360 ft^3/s, May 25, gage height, 10.05 ft; minimum daily discharge, 1.3 ft^3/s, Jul 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	10	7.4	e8.0	e5.6	9.8	6.4	12	558	4.4	e1.6	e3.6
2	2.7	8.5	7.3	e8.1	e5.6	9.6	7.8	36	551	4.5	e1.8	e3.7
3	2.4	7.6	7.4	e8.2	e5.8	9.7	7.2	21	528	4.1	e1.9	e3.5
4	2.6	8.0	7.1	e7.7	e6.0	9.8	6.9	18	466	5.8	e1.9	e3.0
5	2.9	8.8	7.1	e9.4	e6.3	9.1	6.8	15	393	4.4	e2.2	e2.5
6	3.2	8.4	7.2	e9.2	e6.6	8.7	12	11	346	4.2	e2.4	2.0
7	3.4	8.2	7.2	e9.0	e5.8	9.5	12	13	332	4.8	e2.5	2.0
8	3.8	8.1	7.0	e8.6	e5.6	9.4	13	24	205	4.9	e2.7	1.8
9	3.8	10	7.3	e8.5	e5.4	8.1	11	36	165	6.4	2.7	3.5
10	5.7	11	7.6	e8.3	e5.8	10	8.8	226	222	6.7	3.1	4.5
11	9.3	9.3	7.3	e8.3	e6.0	11	6.9	421	194	5.9	3.3	4.2
12	7.6	8.9	7.2	e8.1	e6.0	13	6.9	623	160	5.4	4.4	3.6
13	5.3	8.4	6.9	e7.9	6.5	e10	6.9	e750	95	4.6	5.5	3.2
14	5.0	8.0	6.8	e7.8	6.8	e9.0	6.6	e900	34	4.9	6.3	e3.9
15	5.4	8.7	7.0	e7.4	6.7	e8.4	6.0	e900	12	6.5	4.9	e4.0
16	5.7	8.5	6.4	e7.2	6.5	e7.5	5.4	e910	6.2	5.1	4.6	e4.2
17	5.4	e8.3	e6.2	e7.2	6.7	7.5	4.5	e920	7.5	4.8	5.7	e4.3
18	5.3	e8.2	e6.2	e7.4	7.2	7.0	4.4	e750	5.1	6.8	3.8	e4.3
19	6.0	e8.3	e6.4	e7.1	8.2	7.0	4.1	e850	5.5	2.6	4.6	e4.1
20	6.0	8.2	e6.6	e6.9	8.6	7.2	4.1	e880	5.9	2.2	4.1	e3.8
21	6.1	7.5	e6.6	e7.2	9.3	7.5	4.7	e890	4.9	1.8	3.4	e3.2
22	7.5	7.6	e6.4	e6.9	9.4	7.9	4.8	e700	6.1	1.6	6.7	3.0
23	7.3	7.6	e6.6	e6.8	12	7.6	4.8	e850	5.4	1.9	3.9	1.9
24	e7.1	7.6	e6.8	e6.8	12	7.8	5.0	e900	7.1	2.6	3.3	2.6
25	e6.8	7.6	e7.0	e7.0	11	8.0	7.4	960	7.1	2.4	4.2	3.0
26	e7.1	7.5	e7.1	e6.8	10	7.2	7.7	823	7.8	1.8	4.0	3.2
27	e7.5	7.9	e6.8	e6.2	9.5	6.6	7.6	707	8.9	3.2	3.3	2.8
28	e7.5	7.7	e7.0	e6.0	9.0	6.9	6.6	608	9.1	2.6	2.4	2.9
29	e7.5	7.6	e7.2	e5.8	---	7.8	6.8	572	6.1	1.7	2.0	2.4
30	e8.8	7.6	e7.6	e5.6	---	7.5	7.4	542	5.0	1.3	3.8	2.1
31	e9.7	---	e7.8	e5.8	---	7.1	---	566	---	e1.4	e3.9	---
TOTAL	177.6	249.6	216.5	231.2	209.9	263.2	210.5	16434	4358.7	121.3	110.9	96.8
MEAN	5.73	8.32	6.98	7.46	7.50	8.49	7.02	530	145	3.91	3.58	3.23
MAX	9.7	11	7.8	9.4	12	13	13	960	558	6.8	6.7	4.5
MIN	2.4	7.5	6.2	5.6	5.4	6.6	4.1	11	4.9	1.3	1.6	1.8
AC-FT	352	495	429	459	416	522	418	32600	8650	241	220	192

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 18, 2000 to current year.

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

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

REMARKS.--Specific conductance and temperature records good except for estimated records, which are fair. Partial record, since the instrument is removed during winter months.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,170 microsiemens, Sep 8, 2000; minimum recorded, 110 microsiemens, May 24, 2001.
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, 1,950 microsiemens, Aug 22; minimum observed, 110 microsiemens, May 24.
WATER TEMPERATURE: Maximum recorded, 30.0°C, Aug 4; minimum recorded, 1.4°C, Mar 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1560	1520	1540	---	---	---	---	---	---	---	---	---
2	1570	1520	1540	---	---	---	---	---	---	---	---	---
3	1610	1530	1570	---	---	---	---	---	---	---	---	---
4	1650	1470	1590	---	---	---	---	---	---	---	---	---
5	1600	1520	1560	---	---	---	---	---	---	---	---	---
6	1640	1540	1580	---	---	---	---	---	---	---	---	---
7	1640	1520	1580	---	---	---	---	---	---	---	---	---
8	1600	1510	1540	---	---	---	---	---	---	---	---	---
9	1640	1550	1590	---	---	---	---	---	---	---	---	---
10	1580	1520	1550	---	---	---	---	---	---	---	---	---
11	1550	1340	1440	---	---	---	---	---	---	---	---	---
12	1430	1350	1390	---	---	---	---	---	---	---	---	---
13	1500	1430	1470	---	---	---	---	---	---	---	---	---
14	1520	1500	1510	---	---	---	---	---	---	---	---	---
15	1550	1510	1530	---	---	---	---	---	---	---	---	---
16	1590	1500	1510	---	---	---	---	---	---	---	---	---
17	1510	1490	1500	---	---	---	---	---	---	---	---	---
18	1520	1480	1500	---	---	---	---	---	---	---	---	---
19	1500	1450	1480	---	---	---	---	---	---	---	---	---
20	1500	1480	1490	---	---	---	---	---	---	---	---	---
21	1490	1470	1490	---	---	---	---	---	---	---	---	---
22	1520	1480	1490	---	---	---	---	---	---	---	---	---
23	1500	1470	1480	---	---	---	---	---	---	---	---	---
24	---	---	e1500	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	1650	1340	1520	---	---	---	---	---	---	---	---	---

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	1520	1510	1510	---	---	---
2	---	---	---	---	---	---	1590	1440	1520	---	---	---
3	---	---	---	---	---	---	1560	1520	1540	---	---	---
4	---	---	---	---	---	---	1530	1520	1520	---	---	---
5	---	---	---	---	---	---	1540	1500	1530	---	---	---
6	---	---	---	---	---	---	1570	1470	1510	---	---	---
7	---	---	---	---	---	---	1580	1540	1570	---	---	---
8	---	---	---	---	---	---	1590	1520	1560	---	---	---
9	---	---	---	---	---	---	1590	1540	1570	---	---	---
10	---	---	---	---	---	---	1590	1540	1570	---	---	---
11	---	---	---	---	---	---	1550	1510	1530	---	---	---
12	---	---	---	---	---	---	e1480	e1400	e1520	---	---	---
13	---	---	---	---	---	e1500	1510	1480	1500	---	---	---
14	---	---	---	1510	1490	1500	1510	1480	1500	---	---	---
15	---	---	---	1510	1480	1490	1510	1490	1500	---	---	---
16	---	---	---	1550	1500	1510	1560	1500	1520	---	---	---
17	---	---	---	1560	1520	1540	1640	1560	1600	---	---	---
18	---	---	---	1560	1540	1560	1660	1600	1640	---	---	---
19	---	---	---	1560	1510	1530	1640	1600	1620	---	---	---
20	---	---	---	1540	1520	1520	1660	1610	1640	---	---	---
21	---	---	---	1530	1500	1520	1700	1560	1640	---	---	---
22	---	---	---	1520	1510	1510	1580	1540	1560	---	---	---
23	---	---	---	1550	1510	1530	1570	1500	1550	---	---	---
24	---	---	---	1550	1510	1530	1500	1300	1390	---	---	---
25	---	---	---	1510	1500	1500	1510	1440	1460	---	---	---
26	---	---	---	1520	1500	1510	1490	1450	1470	---	---	---
27	---	---	---	1540	1520	1530	1500	1440	1470	---	---	---
28	---	---	---	1560	1520	1530	e1470	e1380	e1450	---	---	---
29	---	---	---	1520	1350	1490	---	---	---	---	---	---
30	---	---	---	1470	1340	1430	---	---	---	---	---	---
31	---	---	---	1510	1470	1490	---	---	---	---	---	---
MONTH	---	---	---	1560	1340	1510	1700	1300	1530	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	1690	1310	1470
2	---	---	---	---	---	---	---	---	---	1310	1270	1290
3	---	---	---	---	---	---	---	---	---	1520	1290	1440
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	1340	1080	1250	---	---	---
6	---	---	---	---	---	---	1610	1250	1390	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	1900	1390	1530	---	---	---
9	---	---	---	---	---	---	1610	1370	1460	---	---	---
10	---	---	---	---	---	---	1470	1420	1450	1550	1400	1430
11	---	---	---	---	---	---	1470	1420	1440	1620	1370	1420
12	---	---	---	---	---	---	1480	1440	1460	1620	1400	1440
13	---	---	---	---	---	---	1480	1410	1460	1540	1420	1440
14	---	---	---	---	---	---	1510	1410	1470	1540	1360	1440
15	---	---	---	---	---	---	1550	1470	1500	1380	1300	1340
16	---	---	---	---	---	---	1890	1490	1680	1380	1310	1340
17	---	---	---	---	---	e1250	1580	1480	1510	1350	1310	1330
18	---	---	---	1380	1300	1350	1640	1560	1610	1460	1340	1410
19	---	---	---	1360	1210	1280	1610	1570	1590	1690	1430	1490
20	---	---	---	1930	1260	1750	1650	1590	1620	---	---	---
21	---	---	---	1810	1550	1640	1840	1650	1710	---	---	---
22	---	---	---	1700	1580	1660	1950	1560	1660	---	---	---
23	---	---	---	---	---	---	1590	1470	1550	---	---	---
24	---	---	---	---	---	---	1600	1460	1520	---	---	---
25	---	---	---	---	---	---	1500	1370	1450	---	---	---
26	---	---	---	---	---	---	1450	1380	1420	---	---	---
27	---	---	---	---	---	---	1520	1400	1450	---	---	---
28	---	---	---	---	---	---	1740	1440	1560	---	---	---
29	---	---	---	---	---	---	1900	1560	1670	---	---	---
30	---	---	---	---	---	---	1730	1400	1510	---	---	---
31	---	---	---	---	---	---	1680	1420	1550	---	---	---
MONTH	---	---	---	1930	1210	1490	1950	1080	1520	1690	1270	1410
YEAR	1950	1080	1510									

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.6	11.6	15.0	---	---	---	---	---	---	---	---	---
2	18.0	11.3	14.6	---	---	---	---	---	---	---	---	---
3	17.3	11.9	14.5	---	---	---	---	---	---	---	---	---
4	16.5	10.8	13.6	---	---	---	---	---	---	---	---	---
5	16.5	9.7	13.0	---	---	---	---	---	---	---	---	---
6	15.5	8.9	12.2	---	---	---	---	---	---	---	---	---
7	14.8	8.5	11.5	---	---	---	---	---	---	---	---	---
8	14.5	7.9	11.2	---	---	---	---	---	---	---	---	---
9	15.0	7.9	11.5	---	---	---	---	---	---	---	---	---
10	12.3	9.5	11.1	---	---	---	---	---	---	---	---	---
11	12.0	9.3	10.3	---	---	---	---	---	---	---	---	---
12	12.7	8.6	10.2	---	---	---	---	---	---	---	---	---
13	e11.1	e7.1	e9.8	---	---	---	---	---	---	---	---	---
14	12.7	7.4	9.7	---	---	---	---	---	---	---	---	---
15	13.1	7.9	10.3	---	---	---	---	---	---	---	---	---
16	13.7	7.7	10.3	---	---	---	---	---	---	---	---	---
17	13.7	7.4	10.2	---	---	---	---	---	---	---	---	---
18	13.6	7.4	10.1	---	---	---	---	---	---	---	---	---
19	13.8	7.7	10.4	---	---	---	---	---	---	---	---	---
20	13.8	8.2	10.6	---	---	---	---	---	---	---	---	---
21	11.4	8.0	9.6	---	---	---	---	---	---	---	---	---
22	12.4	9.2	10.3	---	---	---	---	---	---	---	---	---
23	11.4	7.9	9.5	---	---	---	---	---	---	---	---	---
24	---	---	e9.1	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	18.6	7.1	11.2	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	14.2	5.6	9.9	---	---	---
2	---	---	---	---	---	---	16.8	8.7	11.8	---	---	---
3	---	---	---	---	---	---	13.0	8.0	10.3	---	---	---
4	---	---	---	---	---	---	13.2	8.0	10.3	---	---	---
5	---	---	---	---	---	---	14.4	7.6	10.6	---	---	---
6	---	---	---	---	---	---	10.2	6.6	9.0	---	---	---
7	---	---	---	---	---	---	8.8	6.0	7.0	---	---	---
8	---	---	---	---	---	---	10.5	5.0	7.5	---	---	---
9	---	---	---	---	---	---	12.9	4.4	8.3	---	---	---
10	---	---	---	---	---	---	13.7	6.1	8.7	---	---	---
11	---	---	---	---	---	---	14.5	5.2	9.4	---	---	---
12	---	---	---	---	---	---	---	---	e9.0	---	---	---
13	---	---	---	---	---	---	13.4	4.7	8.9	---	---	---
14	---	---	---	9.7	3.1	5.8	14.2	6.7	9.8	---	---	---
15	---	---	---	10.6	1.4	5.5	16.3	5.6	10.6	---	---	---
16	---	---	---	7.5	4.1	5.5	18.1	7.1	12.4	---	---	---
17	---	---	---	12.0	2.7	6.8	20.7	7.6	13.7	---	---	---
18	---	---	---	12.7	4.3	7.8	19.8	8.5	13.6	---	---	---
19	---	---	---	13.5	3.5	8.0	19.3	9.1	13.9	---	---	---
20	---	---	---	13.4	5.2	8.9	13.5	7.9	10.6	---	---	---
21	---	---	---	13.9	6.6	10.0	15.1	7.9	10.8	---	---	---
22	---	---	---	16.5	6.5	10.9	14.7	7.5	10.6	---	---	---
23	---	---	---	15.4	7.8	11.0	18.2	5.3	11.2	---	---	---
24	---	---	---	16.3	6.1	10.5	20.5	7.6	13.6	---	---	---
25	---	---	---	15.4	6.6	10.4	22.0	9.0	15.0	---	---	---
26	---	---	---	14.2	6.8	10.1	23.6	9.2	15.7	---	---	---
27	---	---	---	15.2	5.1	9.4	22.9	10.3	16.3	---	---	---
28	---	---	---	15.0	5.9	9.5	---	---	e17.8	---	---	---
29	---	---	---	12.9	6.8	9.3	---	---	---	---	---	---
30	---	---	---	15.3	5.2	9.7	---	---	---	---	---	---
31	---	---	---	15.4	4.7	9.6	---	---	---	---	---	---
MONTH	---	---	---	16.5	1.4	8.8	23.6	4.4	11.3	---	---	---

09271400 ASHLEY CREEK NEAR NAPLES, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	22.2	19.5	21.1	23.7	15.5	19.5
2	---	---	---	---	---	---	22.1	19.7	20.9	24.4	15.1	19.6
3	---	---	---	---	---	---	21.8	18.0	20.9	24.8	16.6	20.7
4	---	---	---	---	---	---	30.0	16.4	23.1	23.1	17.4	19.2
5	---	---	---	---	---	---	29.4	19.3	24.3	19.4	16.6	17.7
6	---	---	---	---	---	---	27.3	19.9	23.8	17.5	16.3	16.8
7	---	---	---	---	---	---	26.6	21.2	24.1	17.1	16.1	16.8
8	---	---	---	---	---	---	27.8	21.4	24.6	17.0	16.2	16.7
9	---	---	---	---	---	---	26.5	20.8	23.6	19.9	12.5	16.3
10	---	---	---	---	---	---	28.2	20.1	23.8	20.7	10.5	15.4
11	---	---	---	---	---	---	28.0	18.9	23.2	21.9	11.7	16.9
12	---	---	---	---	---	---	29.4	18.0	23.2	22.1	13.5	17.7
13	---	---	---	---	---	---	24.1	18.4	21.3	22.0	15.8	18.5
14	---	---	---	---	---	---	27.2	19.0	22.4	23.2	14.5	18.4
15	---	---	---	---	---	---	24.5	17.2	21.0	23.1	13.3	17.8
16	---	---	---	---	---	---	26.4	16.1	20.7	20.7	14.1	17.2
17	---	---	---	---	---	---	28.0	16.0	21.4	18.1	14.6	16.4
18	---	---	---	27.9	15.7	21.2	25.8	16.4	21.1	21.9	12.2	16.6
19	---	---	---	26.8	16.8	21.5	24.6	16.3	20.3	21.0	12.6	16.8
20	---	---	---	24.4	16.7	20.7	24.2	17.7	20.5	17.7	12.2	15.6
21	---	---	---	23.5	16.8	20.4	24.6	17.2	20.7	18.0	15.7	16.9
22	---	---	---	23.4	16.7	20.2	25.2	16.2	20.2	18.7	13.1	16.7
23	---	---	---	22.6	16.3	19.0	26.0	16.5	20.9	17.7	15.6	16.7
24	---	---	---	16.3	14.0	14.7	23.6	16.5	20.2	17.3	15.7	16.5
25	---	---	---	14.4	13.3	13.9	27.1	15.1	20.6	17.1	15.2	16.4
26	---	---	---	15.6	14.0	14.6	27.1	15.3	21.0	17.8	12.6	16.0
27	---	---	---	25.1	15.2	19.7	25.0	15.5	20.4	17.1	13.0	15.6
28	---	---	---	26.1	16.8	21.6	23.5	17.4	20.8	17.4	15.3	16.4
29	---	---	---	24.5	17.9	21.3	23.4	17.3	20.4	16.9	14.0	15.7
30	---	---	---	23.6	17.7	20.5	24.7	15.5	20.6	17.2	15.3	16.4
31	---	---	---	22.3	19.1	20.8	23.2	17.2	20.1	---	---	---
MONTH	---	---	---	27.9	13.3	19.3	30.0	15.1	21.7	24.8	10.5	17.1
YEAR	30.0	1.4	15.2									

e Estimated

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT

LOCATION.--Lat 40°23'53", long 109°25'44", in SE¼SW¼SW¼ 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 current year.

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, 1,140 ft^3/s, May 25, 2001; minimum daily discharge, 0.09 ft^3/s, Jul 7, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,140 ft^3/s, May 25; minimum discharge, 0.22 ft^3/s, Aug 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	e27	e15	e14	e23	20	12	5.9	578	3.0	.74	4.7
2	1.9	e25	e15	e16	e23	20	14	26	578	5.4	.73	6.9
3	1.5	e23	e15	e18	e22	20	11	17	556	4.7	.27	4.7
4	1.3	e24	e14	e18	e21	19	7.5	14	464	3.6	3.6	3.3
5	1.7	e25	e14	e18	e20	19	6.6	12	362	3.7	4.9	3.1
6	1.9	e24	e14	e17	e19	19	11	7.4	308	2.7	2.8	4.0
7	3.0	e23	e14	e13	e17	19	13	7.8	306	2.8	1.5	4.4
8	2.1	e22	e14	e14	e18	20	14	15	168	2.0	2.3	5.8
9	1.7	e24	e15	e14	e17	18	13	21	94	3.7	2.3	9.8
10	6.1	e26	e15	e13	e16	21	12	227	173	4.5	2.0	11
11	18	e23	e15	e17	e15	20	12	452	146	5.2	1.8	9.6
12	18	21	e15	e14	e17	20	e11	610	99	4.4	1.9	7.7
13	9.6	19	e14	e14	18	18	e8.0	787	55	3.5	3.0	9.2
14	8.0	18	e14	e20	18	17	e6.0	938	23	4.7	6.4	9.9
15	9.7	20	e14	e16	18	16	e4.0	930	8.6	e9.9	9.5	11
16	12	19	e15	e18	19	16	e3.0	1000	4.0	9.2	5.0	8.2
17	11	e19	e13	e19	18	15	e2.2	1050	3.6	6.8	6.0	6.8
18	12	e19	e15	e21	17	15	2.0	770	4.6	5.9	4.6	6.0
19	16	e20	e12	e22	19	14	1.7	886	3.5	3.0	5.3	5.1
20	19	e17	e12	e23	20	15	1.6	1030	3.8	2.4	6.4	4.6
21	19	e16	e13	e25	21	17	1.7	1030	3.2	3.8	5.6	2.5
22	21	e16	e14	e28	21	18	1.7	732	2.7	3.2	6.7	4.6
23	20	e16	e13	e28	e21	17	2.4	889	2.4	2.7	5.3	10
24	21	e16	e13	e27	e20	17	7.9	1080	3.9	2.5	3.1	12
25	20	e16	e13	e26	e19	16	5.3	1140	4.6	1.3	5.1	12
26	20	e16	e15	e27	e19	15	5.0	1010	3.8	1.2	5.3	14
27	21	e17	e19	e27	20	14	4.4	888	6.1	.87	5.5	13
28	20	e16	e14	e22	19	13	3.0	745	4.8	.91	4.1	11
29	20	e16	e17	e21	---	13	2.9	646	4.0	.50	3.6	11
30	19	e16	e13	e25	---	14	4.7	627	3.1	.39	7.2	11
31	23	---	e14	e24	---	13	---	601	---	.60	4.5	---
TOTAL	379.9	599	442	619	535	528	204.6	18194.1	3976.7	109.07	127.04	236.9
MEAN	12.3	20.0	14.3	20.0	19.1	17.0	6.82	587	133	3.52	4.10	7.90
MAX	23	27	19	28	23	21	14	1140	578	9.9	9.5	14
MIN	1.3	16	12	13	15	13	1.6	5.9	2.4	.39	.27	2.5
AC-FT	754	1190	877	1230	1060	1050	406	36090	7890	216	252	470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	12.3	20.0	18.0	20.7	22.5	20.2	8.28	443	68.2	2.04	2.47	5.58
MAX	12.3	20.0	21.6	21.5	25.7	23.4	9.75	587	133	3.52	4.10	7.90
(WY)	2001	2001	2000	2000	2000	2000	2000	2001	2001	2001	2001	2001
MIN	12.3	20.0	14.3	20.0	19.1	17.0	6.82	299	3.78	.57	.85	3.27
(WY)	2001	2001	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL	13359.27		25951.31			
ANNUAL MEAN	36.5		71.1		71.1	
HIGHEST ANNUAL MEAN					71.1	2001
LOWEST ANNUAL MEAN					71.1	2001
HIGHEST DAILY MEAN	900	May 25	1140	May 25	1140	May 25 2001
LOWEST DAILY MEAN	.09	Jul 7	.27	Aug 3	.09	Jul 7 2000
ANNUAL SEVEN-DAY MINIMUM	.15	Jul 6	.59	Jul 28	.15	Jul 6 2000
ANNUAL RUNOFF (AC-FT)	26500		51470		51510	
10 PERCENT EXCEEDS	31		28		34	
50 PERCENT EXCEEDS	14		14		15	
90 PERCENT EXCEEDS	.55		2.6		.96	

e Estimated

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 17, 2000 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 17, 2000 to current year.
WATER TEMPERATURE: March 17, 2000 to current year.

INSTRUMENTATION.--Water-quality monitor since March 17, 2000.

REMARKS.--Specific conductance and temperature records good except for estimated records, which are fair. Partial record, since the instrument is removed during the winter months.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 3,050 microsiemens, Apr 22, 2001; minimum recorded, 114 microsiemens, May 24, 2001.
WATER TEMPERATURE: Maximum recorded, 31.2°C, Jul 8, 9, 2001; minimum recorded, 0.8°C, Mar 21, 2000.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 3,050 microsiemens, Apr 22; minimum recorded, 114 microsiemens, May 24.
WATER TEMPERATURE: Maximum recorded, 31.2°C, Jul 8, 9; minimum recorded, 2.3°C, Mar 15.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2600	2540	2570	---	---	---	---	---	---	---	---	---
2	2540	2440	2470	---	---	---	---	---	---	---	---	---
3	2530	2460	2510	---	---	---	---	---	---	---	---	---
4	2650	2530	2600	---	---	---	---	---	---	---	---	---
5	2690	2590	2650	---	---	---	---	---	---	---	---	---
6	2590	2540	2550	---	---	---	---	---	---	---	---	---
7	2570	2380	2470	---	---	---	---	---	---	---	---	---
8	2510	2400	2440	---	---	---	---	---	---	---	---	---
9	2620	2510	2570	---	---	---	---	---	---	---	---	---
10	2920	2220	2480	---	---	---	---	---	---	---	---	---
11	2230	2050	2120	---	---	---	---	---	---	---	---	---
12	2050	1840	1910	---	---	---	---	---	---	---	---	---
13	2030	1900	1960	---	---	---	---	---	---	---	---	---
14	2100	2030	2070	---	---	---	---	---	---	---	---	---
15	2110	2060	2100	---	---	---	---	---	---	---	---	---
16	2060	2030	2040	---	---	---	---	---	---	---	---	---
17	2080	1990	2040	---	---	---	---	---	---	---	---	---
18	2060	1990	2020	---	---	---	---	---	---	---	---	---
19	1990	1860	1950	---	---	---	---	---	---	---	---	---
20	1860	1800	1810	---	---	---	---	---	---	---	---	---
21	1830	1800	1810	---	---	---	---	---	---	---	---	---
22	1880	1820	1860	---	---	---	---	---	---	---	---	---
23	1870	1840	1850	---	---	---	---	---	---	---	---	---
24	1870	1830	1850	---	---	---	---	---	---	---	---	---
25	1870	1680	1830	---	---	---	---	---	---	---	---	---
26	1850	1770	1800	---	---	---	---	---	---	---	---	---
27	1800	1770	1790	---	---	---	---	---	---	---	---	---
28	1810	1780	1800	---	---	---	---	---	---	---	---	---
29	1900	1760	1820	---	---	---	---	---	---	---	---	---
30	1920	1880	1910	---	---	---	---	---	---	---	---	---
31	---	---	e2100	---	---	---	---	---	---	---	---	---
MONTH	2920	1680	2120	---	---	---	---	---	---	---	---	---

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	2110	2040	2060	1780	1630	1690
2	---	---	---	---	---	---	2160	2080	2130	1760	846	1280
3	---	---	---	---	---	---	2170	2120	2150	1180	928	1100
4	---	---	---	---	---	---	2230	2170	2190	1330	1160	1240
5	---	---	---	---	---	---	2280	2230	2250	1470	1330	1380
6	---	---	---	---	---	---	2280	2140	2220	1620	1470	1530
7	---	---	---	---	---	---	2140	2070	2100	1660	1430	1550
8	---	---	---	---	---	---	2170	2110	2150	1480	1160	1310
9	---	---	---	---	---	---	2200	2140	2170	1170	971	1080
10	---	---	---	---	---	---	2230	2190	2210	1090	336	511
11	---	---	---	---	---	---	2230	2200	2210	336	205	249
12	---	---	---	---	---	---	---	---	e2200	222	185	204
13	---	---	---	---	---	e2070	---	---	---	217	173	188
14	---	---	---	2110	2090	2100	---	---	---	179	150	170
15	---	---	---	2150	2090	2120	---	---	---	173	144	157
16	---	---	---	2140	2120	2130	---	---	---	158	137	147
17	---	---	---	2150	2120	2130	---	---	e2520	171	133	149
18	---	---	---	2180	2120	2140	2680	2570	2610	186	147	166
19	---	---	---	2380	2140	2180	2800	2680	2700	171	137	156
20	---	---	---	2260	1930	2090	2950	2800	2870	142	123	136
21	---	---	---	1930	1920	1920	3010	2950	2970	156	121	140
22	---	---	---	1920	1880	1890	3050	2870	3010	181	140	160
23	---	---	---	1900	1880	1890	3020	1950	2700	151	121	136
24	---	---	---	1920	1880	1910	2370	1640	1820	134	114	125
25	---	---	---	1930	1910	1920	2030	1670	1840	142	116	131
26	---	---	---	2030	1890	1930	2040	1980	2010	151	122	138
27	---	---	---	1970	1920	1950	2030	1960	1990	156	133	146
28	---	---	---	2010	1970	1990	2180	2030	2110	159	137	148
29	---	---	---	2040	2010	2020	2200	2060	2160	173	151	162
30	---	---	---	2040	1980	2010	2060	1720	1910	191	161	174
31	---	---	---	2040	1960	2000	---	---	---	189	163	176
MONTH	---	---	---	2380	1880	2020	3050	1640	2280	1780	114	517

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	194	165	179	1660	1520	1600	2400	1960	2210	1950	1690	1800
2	200	160	179	1660	1440	1550	2070	1900	1960	1900	1740	1830
3	197	169	182	1600	1450	1520	2140	2030	2090	1820	1620	1720
4	214	176	195	1680	1530	1620	2270	1540	1860	1710	1610	1660
5	264	209	234	1710	1580	1660	1700	1500	1590	2000	1710	1860
6	267	253	262	1850	1670	1770	1550	1460	1520	2230	1830	1980
7	269	244	258	1750	1530	1660	1680	1490	1590	2270	2010	2100
8	509	260	362	1830	1640	1750	1720	1610	1680	2190	1970	2040
9	598	340	489	1990	1530	1740	1660	1560	1620	1970	1720	1800
10	372	289	331	1760	1540	1650	1720	1630	1680	1980	1760	1890
11	433	341	389	1700	1480	1600	1740	1590	1680	1790	1670	1740
12	501	433	472	1620	1500	1550	1610	1540	1580	1840	1650	1750
13	717	458	564	1680	1580	1640	1620	1430	1550	1780	1660	1720
14	863	717	804	1720	1540	1660	1450	1380	1420	1760	1630	1700
15	1140	858	1010	---	---	e1480	1460	1310	1370	1690	1600	1630
16	1320	1140	1240	1450	1340	1370	1450	1330	1360	1700	1560	1630
17	1420	1230	1340	1570	1440	1490	1750	1450	1580	1710	1610	1660
18	1520	1300	1410	1670	1470	1590	1800	1640	1750	1670	1620	1640
19	1590	1380	1480	1960	1640	1790	1750	1540	1640	1720	1620	1680
20	1600	1360	1500	2100	1720	1960	1590	1490	1550	1800	1680	1750
21	1610	1420	1550	1820	1500	1710	1630	1550	1590	2010	1750	1900
22	1650	1510	1590	1720	1510	1610	1640	1520	1590	2070	1750	1940
23	1660	1550	1600	1830	1680	1760	1700	1540	1640	1880	1680	1800
24	1570	1440	1520	1900	1740	1820	1760	1650	1720	1740	1570	1670
25	1510	1440	1470	2500	1760	2270	1770	1550	1690	1940	1660	1820
26	1530	1460	1500	2440	2240	2310	1630	1520	1540	1930	1740	1830
27	1490	1350	1450	2320	2260	2280	1720	1590	1660	1870	1770	1820
28	1600	1460	1560	2640	2220	2320	1660	1540	1610	1960	1870	1930
29	1660	1560	1610	2350	2240	2290	1860	1660	1750	1970	1910	1950
30	1650	1520	1590	2380	2300	2340	1740	1390	1500	1980	1880	1930
31	---	---	---	2440	2310	2390	1740	1510	1630	---	---	---
MONTH	1660	160	944	2640	1340	1800	2400	1310	1650	2270	1560	1810
YEAR	3050	114	1610									

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	12.3	15.2	---	---	---	---	---	---	---	---	---
2	18.1	12.1	15.0	---	---	---	---	---	---	---	---	---
3	17.3	12.5	14.9	---	---	---	---	---	---	---	---	---
4	16.4	11.4	14.0	---	---	---	---	---	---	---	---	---
5	16.2	10.0	13.1	---	---	---	---	---	---	---	---	---
6	15.3	9.5	12.4	---	---	---	---	---	---	---	---	---
7	15.2	9.3	12.1	---	---	---	---	---	---	---	---	---
8	14.4	8.5	11.4	---	---	---	---	---	---	---	---	---
9	14.9	8.5	11.6	---	---	---	---	---	---	---	---	---
10	13.0	10.4	11.8	---	---	---	---	---	---	---	---	---
11	12.2	9.8	10.8	---	---	---	---	---	---	---	---	---
12	13.3	8.7	10.6	---	---	---	---	---	---	---	---	---
13	11.6	7.3	9.6	---	---	---	---	---	---	---	---	---
14	13.5	7.5	10.0	---	---	---	---	---	---	---	---	---
15	13.9	7.9	10.7	---	---	---	---	---	---	---	---	---
16	13.8	7.7	10.7	---	---	---	---	---	---	---	---	---
17	13.7	7.6	10.5	---	---	---	---	---	---	---	---	---
18	13.6	7.4	10.4	---	---	---	---	---	---	---	---	---
19	13.5	7.5	10.5	---	---	---	---	---	---	---	---	---
20	13.8	8.2	10.9	---	---	---	---	---	---	---	---	---
21	11.6	8.1	9.8	---	---	---	---	---	---	---	---	---
22	12.5	9.2	10.4	---	---	---	---	---	---	---	---	---
23	10.9	7.5	9.3	---	---	---	---	---	---	---	---	---
24	11.7	8.5	10.0	---	---	---	---	---	---	---	---	---
25	13.1	8.7	10.6	---	---	---	---	---	---	---	---	---
26	12.0	8.2	10.1	---	---	---	---	---	---	---	---	---
27	11.2	8.7	10.0	---	---	---	---	---	---	---	---	---
28	11.6	6.8	10.1	---	---	---	---	---	---	---	---	---
29	11.0	7.9	9.6	---	---	---	---	---	---	---	---	---
30	11.8	8.8	10.0	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	18.3	6.8	11.2	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	14.8	7.7	11.1	18.7	13.0	15.8
2	---	---	---	---	---	---	16.0	10.5	12.8	13.4	8.3	10.1
3	---	---	---	---	---	---	13.9	10.0	11.8	9.4	7.2	8.2
4	---	---	---	---	---	---	14.4	9.6	11.7	13.9	7.2	10.1
5	---	---	---	---	---	---	15.1	9.2	12.0	17.9	9.9	13.3
6	---	---	---	---	---	---	12.2	9.0	10.8	19.9	9.4	14.3
7	---	---	---	---	---	---	9.3	7.6	8.3	20.2	10.0	15.1
8	---	---	---	---	---	---	10.1	6.1	8.1	20.9	11.5	16.3
9	---	---	---	---	---	---	14.9	5.6	9.7	19.6	13.1	16.2
10	---	---	---	---	---	---	14.0	7.6	10.2	17.8	10.1	14.6
11	---	---	---	---	---	---	15.9	6.8	10.9	16.0	6.5	11.2
12	---	---	---	---	---	---	---	---	e11.5	15.8	6.5	10.9
13	---	---	---	---	---	---	---	---	---	14.1	6.5	10.4
14	---	---	---	9.3	4.0	6.4	---	---	---	14.6	6.7	10.4
15	---	---	---	9.7	2.3	5.8	---	---	---	12.7	6.6	9.7
16	---	---	---	7.4	4.4	5.9	---	---	---	12.2	7.8	9.8
17	---	---	---	10.9	3.4	6.9	---	---	e14.5	10.7	7.0	8.7
18	---	---	---	12.0	5.2	8.2	19.6	10.6	14.9	12.0	6.8	9.1
19	---	---	---	12.8	4.7	8.5	19.0	11.2	14.9	14.6	7.1	10.2
20	---	---	---	12.6	6.6	9.5	15.1	9.4	11.7	13.2	7.0	9.9
21	---	---	---	14.1	7.9	10.6	15.2	9.3	11.7	12.1	5.3	8.6
22	---	---	---	15.7	8.1	11.6	14.7	9.4	12.0	15.1	6.6	10.3
23	---	---	---	16.8	9.8	12.7	17.7	7.4	11.8	15.3	8.1	11.5
24	---	---	---	16.2	8.7	12.1	19.6	9.7	14.1	15.5	8.6	11.7
25	---	---	---	15.4	8.9	11.7	21.7	11.0	15.9	14.0	9.0	11.4
26	---	---	---	14.6	8.8	11.3	22.7	12.0	16.9	13.3	9.1	10.8
27	---	---	---	15.0	7.3	10.7	22.9	13.1	17.8	14.1	9.1	11.4
28	---	---	---	14.3	7.9	10.4	23.0	15.2	18.6	12.2	9.4	10.8
29	---	---	---	12.8	8.6	10.4	20.2	14.0	16.8	15.7	9.1	12.0
30	---	---	---	15.0	6.9	10.5	22.5	11.7	16.6	17.4	9.6	13.0
31	---	---	---	15.2	6.8	10.8	---	---	---	17.7	9.8	13.4
MONTH	---	---	---	16.8	2.3	9.7	23.0	5.6	13.0	20.9	5.3	11.6

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	10.3	14.0	26.4	19.5	23.3	28.0	20.1	23.8	24.9	16.9	20.4
2	16.5	10.9	13.6	27.8	19.7	23.7	29.4	21.1	24.7	25.0	16.8	20.5
3	17.2	11.0	13.5	29.4	19.2	24.2	26.5	20.7	23.7	26.8	17.8	21.9
4	16.6	9.4	12.6	29.4	20.6	24.9	29.7	21.0	24.7	26.6	18.1	22.1
5	16.9	8.1	12.3	29.3	21.0	24.5	30.5	20.8	25.3	26.0	18.9	22.2
6	19.2	10.2	14.5	30.4	21.2	25.5	29.5	21.4	25.4	21.8	16.9	19.4
7	20.5	11.5	15.9	28.8	22.0	25.3	29.8	22.2	25.5	21.5	14.0	17.3
8	20.0	12.3	16.5	31.2	22.0	26.0	30.7	22.4	26.1	20.2	12.6	16.2
9	22.5	15.7	19.1	31.2	22.6	26.6	28.6	22.2	25.2	21.0	12.0	16.1
10	21.0	13.8	17.8	30.4	23.1	25.9	28.4	21.5	24.8	21.5	12.6	16.6
11	20.9	13.8	17.7	29.3	21.1	24.5	28.7	20.7	24.6	22.3	13.8	17.8
12	19.3	14.5	16.3	29.7	20.0	24.4	28.9	20.0	24.2	22.4	15.6	18.8
13	17.1	10.6	13.9	26.7	20.9	23.6	24.6	20.0	22.1	22.6	17.4	19.6
14	19.7	12.0	15.5	25.8	19.6	22.3	26.3	19.7	22.5	23.3	16.4	19.6
15	21.9	12.8	17.4	---	---	e22.3	24.1	18.4	21.2	22.9	15.8	19.2
16	24.8	14.8	19.5	26.3	18.2	22.1	25.9	17.1	21.0	20.8	15.9	18.3
17	26.1	16.0	20.7	26.0	17.3	21.6	26.7	17.5	21.8	19.2	16.3	17.5
18	24.9	16.6	20.7	26.7	17.3	21.9	27.2	18.0	21.9	22.2	13.8	17.5
19	26.2	15.7	20.6	27.3	17.9	22.5	25.0	17.6	21.0	22.5	14.4	18.1
20	26.6	16.5	21.4	27.8	17.7	22.6	24.6	18.7	21.0	22.8	14.1	18.1
21	28.0	17.4	22.5	28.2	18.3	23.0	25.6	17.8	21.2	22.1	14.6	18.2
22	27.7	18.5	23.1	28.0	18.1	23.0	24.9	17.4	20.9	22.6	14.8	18.3
23	26.8	18.5	22.6	27.2	18.4	23.1	26.4	17.8	21.8	21.8	14.7	18.0
24	26.8	19.4	22.5	27.7	19.3	23.4	24.7	18.0	21.2	20.6	14.4	17.4
25	27.1	18.6	22.4	27.6	19.7	23.6	26.9	17.1	21.5	20.5	13.9	17.0
26	25.3	18.6	21.7	26.3	20.9	23.1	27.0	17.9	22.1	20.3	14.1	17.2
27	27.0	18.0	22.3	26.6	18.7	22.6	26.9	17.9	22.0	20.4	13.8	17.1
28	28.9	18.7	23.6	26.8	18.0	22.2	27.8	19.1	23.0	19.8	13.7	16.8
29	29.3	19.1	24.1	27.9	19.4	23.3	25.8	18.7	22.2	20.4	13.9	16.8
30	30.1	19.2	24.4	27.3	18.9	22.8	24.7	18.3	21.2	20.4	14.1	17.0
31	---	---	---	28.6	20.3	24.0	24.8	18.8	21.2	---	---	---
MONTH	30.1	8.1	18.8	31.2	17.3	23.6	30.7	17.1	22.9	26.8	12.0	18.4
YEAR	31.2	2.3	16.6									

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	---	---	---	---	---	---	2190	2140	2160	1930	1840	1880
2	---	---	---	---	---	---	2310	2050	2180	1920	1710	1830
3	---	---	---	---	---	---	2220	2190	2210	1920	798	1250
4	---	---	---	---	---	---	2210	2170	2200	1050	368	518
5	---	---	---	---	---	---	2280	2170	2230	418	184	232
6	---	---	---	---	---	---	2320	2210	2260	266	165	205
7	---	---	---	---	---	---	2360	2110	2260	250	161	198
8	---	---	---	---	---	---	2110	2020	2070	642	227	382
9	---	---	---	---	---	---	2060	2030	2040	1040	635	770
10	---	---	---	---	---	---	2110	2050	2080	1330	1040	1220
11	---	---	---	---	---	---	2150	2110	2140	1360	1100	1240
12	---	---	---	---	---	---	2160	2050	2130	1300	1180	1220
13	---	---	---	---	---	---	2210	2150	2180	1450	1300	1390
14	---	---	---	---	---	---	2220	1980	2080	1640	1450	1580
15	---	---	---	---	---	---	2060	1880	1990	1640	1430	1520
16	---	---	---	---	---	---	1940	1760	1880	1550	1220	1430
17	---	---	---	---	---	e2150	1840	1660	1750	1490	1110	1300
18	---	---	---	2180	2140	2160	2090	1840	1930	1110	757	844
19	---	---	---	2190	2170	2180	2090	1880	1990	919	783	826
20	---	---	---	2190	2140	2160	2030	1930	1960	1320	919	1120
21	---	---	---	2170	2140	2160	2020	1880	1950	1340	1270	1310
22	---	---	---	2170	2110	2150	2100	1950	2020	1270	705	1150
23	---	---	---	2170	2150	2160	2140	1960	2070	718	339	458
24	---	---	---	2170	2140	2150	2140	1600	1830	389	235	284
25	---	---	---	2230	2170	2200	1780	1580	1700	308	220	263
26	---	---	---	2320	2230	2280	1810	1630	1740	276	189	219
27	---	---	---	2320	2240	2290	1900	1770	1850	337	237	273
28	---	---	---	2270	2220	2240	1970	1750	1850	380	312	341
29	---	---	---	2250	2170	2200	2010	1830	1960	392	306	346
30	---	---	---	2210	2180	2200	1840	1790	1810	403	326	359
31	---	---	---	2220	2190	2210	---	---	---	532	403	464
MONTH	---	---	---	---	---	---	2360	1580	2020	1930	161	852

09271450 ASHLEY CREEK BELOW SADLIER DRAW 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	917	532	762	1940	1850	1900	---	---	---	1930	1810	1880
2	1200	917	1050	2000	1890	1940	---	---	---	2180	1930	2060
3	1290	1070	1150	2060	1900	1970	---	---	---	1940	1840	1870
4	1390	1290	1360	2060	1890	1980	---	---	---	1980	1820	1880
5	1440	1310	1360	2060	1910	2000	---	---	---	1940	1900	1920
6	1460	1420	1440	---	---	---	---	---	---	1970	1850	1890
7	1640	1450	1570	---	---	---	---	---	---	1960	1810	1850
8	1640	1450	1560	---	---	---	---	---	---	1960	1830	1890
9	1620	1540	1590	---	---	---	---	---	---	2090	1960	2040
10	1580	1420	1500	---	---	---	---	---	---	2020	1930	1950
11	1550	1460	1500	---	---	---	1850	1630	1710	2010	1940	1970
12	1520	1400	1450	---	---	---	1680	1620	1660	2020	1890	1930
13	2320	1520	1790	---	---	---	1870	1670	1810	1980	1890	1920
14	1800	1630	1730	---	---	---	1930	1800	1850	2030	1900	1940
15	1980	1800	1900	---	---	---	1890	1790	1850	2010	1910	1950
16	2090	1980	2050	---	---	---	1870	1770	1820	2040	1970	1990
17	2330	2010	2120	---	---	---	1900	1820	1880	2030	1960	1980
18	2390	2080	2230	---	---	---	2000	1900	1940	2170	1990	2030
19	2300	2100	2220	---	---	---	2030	1910	1980	2240	2040	2160
20	2100	1880	1970	---	---	---	2020	1920	1950	2420	2020	2190
21	1960	1560	1820	---	---	---	1990	1860	1910	2600	2330	2450
22	1750	1580	1680	---	---	---	1940	1720	1880	2490	2280	2370
23	2030	1750	1920	---	---	---	2030	1900	1940	2490	2110	2220
24	2120	2030	2080	---	---	---	1980	1860	1900	2110	1960	2030
25	2110	2040	2080	---	---	---	2060	1850	1910	2010	1950	1980
26	2160	2070	2100	---	---	---	1940	1830	1880	2200	2000	2110
27	2210	1850	2040	---	---	---	2000	1860	1900	2420	2200	2300
28	2050	1920	2020	---	---	---	1970	1850	1900	2490	2420	2460
29	1980	1810	1910	---	---	---	1910	1830	1860	2630	2490	2590
30	1850	1790	1810	---	---	---	2120	1850	1970	2610	2520	2570
31	---	---	---	---	---	---	1950	1880	1910	---	---	---
MONTH	2390	532	1730	---	---	---	---	---	---	2630	1810	2080

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	---	---	---	---	---	---	12.6	3.3	7.7	22.6	10.0	15.6
2	---	---	---	---	---	---	10.7	6.9	8.6	22.8	12.0	17.3
3	---	---	---	---	---	---	14.1	5.3	9.0	21.4	13.0	17.1
4	---	---	---	---	---	---	16.0	6.1	10.7	18.5	9.3	14.7
5	---	---	---	---	---	---	16.6	8.1	12.0	16.6	7.1	11.4
6	---	---	---	---	---	---	16.4	8.1	12.0	14.7	7.4	10.8
7	---	---	---	---	---	---	16.6	8.3	12.0	12.8	8.8	10.7
8	---	---	---	---	---	---	17.1	7.6	12.0	11.4	7.6	9.3
9	---	---	---	---	---	---	17.9	8.2	12.5	17.4	8.5	12.7
10	---	---	---	---	---	---	16.6	8.3	12.2	20.9	13.3	16.4
11	---	---	---	---	---	---	18.8	8.0	12.9	14.6	10.7	12.6
12	---	---	---	---	---	---	19.2	8.7	13.5	15.5	8.3	11.7
13	---	---	---	---	---	---	18.3	9.5	13.4	17.0	8.4	12.6
14	---	---	---	---	---	---	15.6	10.8	12.8	19.4	10.1	14.6
15	---	---	---	---	---	---	15.0	9.7	11.9	20.7	11.9	15.9
16	---	---	---	---	---	---	17.3	8.3	12.7	17.8	12.0	15.2
17	---	---	---	---	---	e6.7	18.9	10.2	14.4	16.1	12.0	14.3
18	---	---	---	10.7	3.4	6.6	14.6	9.4	11.7	14.4	11.5	12.9
19	---	---	---	7.6	3.2	5.7	13.6	7.9	10.4	19.1	10.0	14.2
20	---	---	---	5.7	2.2	4.0	18.7	7.9	13.0	22.2	12.7	17.1
21	---	---	---	8.9	.8	4.4	15.9	9.6	12.9	22.2	13.6	17.8
22	---	---	---	11.1	2.5	6.6	15.4	10.0	12.5	22.6	14.6	18.7
23	---	---	---	13.4	5.3	9.0	17.5	9.1	13.1	20.4	13.0	17.3
24	---	---	---	13.2	5.7	9.2	18.8	10.6	14.1	18.4	12.1	14.9
25	---	---	---	13.3	5.5	9.2	20.1	9.3	14.4	15.8	10.9	13.4
26	---	---	---	15.6	6.9	10.6	21.4	10.6	15.6	15.2	10.3	12.8
27	---	---	---	15.4	6.7	10.9	23.5	11.5	17.0	19.3	9.5	14.2
28	---	---	---	11.2	8.6	9.8	21.8	12.5	17.1	21.2	12.0	16.6
29	---	---	---	14.1	6.3	9.9	19.5	13.3	16.0	22.0	13.8	18.1
30	---	---	---	9.5	5.7	7.4	20.4	9.4	14.2	21.2	13.8	17.9
31	---	---	---	9.2	3.5	6.0	---	---	---	21.0	14.7	17.8
MONTH	---	---	---	---	---	---	23.5	3.3	12.7	22.8	7.1	14.7

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, 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	22.3	13.1	17.6	27.2	20.3	23.3	25.6	20.1	23.0	21.5	17.4	19.1
2	25.0	14.9	19.8	26.7	18.7	22.5	25.2	20.3	23.0	22.5	15.0	18.4
3	24.2	15.9	20.0	24.5	18.0	21.2	26.0	20.7	23.2	21.9	14.2	17.8
4	26.3	15.4	20.6	24.9	16.4	20.6	27.8	21.5	24.3	19.2	14.4	16.9
5	26.7	16.8	21.5	24.3	16.1	20.3	27.2	21.0	23.7	21.2	14.3	17.4
6	26.5	16.6	21.5	24.6	15.9	20.1	27.5	19.9	23.7	19.4	15.4	17.5
7	26.7	16.5	21.6	22.3	19.2	21.1	27.1	20.2	23.6	19.6	12.8	16.2
8	23.0	17.2	20.3	22.0	20.2	21.2	27.1	19.5	23.2	20.8	15.4	17.7
9	20.4	16.5	18.3	24.0	20.0	21.6	28.2	19.9	24.0	20.9	14.3	17.2
10	24.5	13.6	18.8	24.1	19.9	22.0	26.0	22.2	24.1	21.0	13.3	17.0
11	25.6	15.5	20.2	24.9	20.5	22.8	27.4	19.2	23.0	20.8	13.5	16.9
12	22.7	16.3	19.5	25.5	20.7	23.2	27.7	19.4	23.2	21.3	13.9	17.5
13	24.6	16.3	19.8	26.2	20.5	23.5	27.5	19.6	23.2	21.2	14.5	17.8
14	24.6	15.1	19.7	25.9	21.4	24.0	25.8	19.4	22.5	21.0	14.9	18.0
15	23.8	16.7	20.2	28.6	22.3	24.8	27.3	19.3	22.8	21.6	14.7	18.1
16	20.7	14.7	17.6	27.2	21.6	24.4	24.8	19.4	22.2	21.0	14.6	17.8
17	23.0	13.5	18.3	28.9	21.5	24.1	21.8	18.8	20.6	18.8	14.8	16.9
18	21.7	14.7	18.2	27.5	18.8	22.8	24.9	17.1	20.6	20.5	14.9	17.6
19	19.9	16.3	18.0	27.8	18.6	22.8	26.5	18.0	21.6	20.3	13.9	17.1
20	23.8	14.7	19.0	28.0	19.0	23.1	25.4	17.9	21.6	19.3	13.9	16.5
21	26.5	15.7	20.7	27.5	18.7	22.7	24.9	17.0	20.9	16.2	12.5	13.5
22	24.3	16.9	20.7	28.6	18.4	23.1	22.0	18.3	20.1	16.7	12.9	14.3
23	24.8	17.0	20.9	27.5	18.7	23.0	22.4	16.1	19.5	12.9	8.1	10.1
24	25.6	18.0	21.9	24.2	18.6	21.2	23.7	17.5	20.5	12.1	7.6	9.3
25	23.9	19.5	21.4	25.3	17.2	21.1	24.8	19.2	21.8	14.9	7.0	10.7
26	21.7	17.6	19.4	27.3	18.8	23.0	24.5	18.5	21.4	16.6	8.9	12.5
27	26.2	16.4	21.0	28.3	19.4	23.7	25.4	18.6	21.7	17.6	10.3	13.6
28	28.1	16.8	22.1	27.8	20.1	23.9	24.2	18.4	21.4	17.2	11.2	14.1
29	27.1	18.4	22.7	26.9	19.7	23.4	24.4	18.0	20.8	17.3	12.4	14.8
30	27.1	17.7	22.4	26.1	19.7	23.2	22.8	18.9	20.9	18.7	12.4	15.4
31	---	---	---	28.2	19.9	23.8	23.5	17.1	20.2	---	---	---
MONTH	28.1	13.1	20.1	28.9	15.9	22.6	28.2	16.1	22.1	22.5	7.0	15.9

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

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

DRAINAGE AREA.--389 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 good 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, 1,310 ft^3/s, May 21, gage height, 5.26 ft; minimum discharge, 0.51 ft^3/s, Jul 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	23	e19	e22	e17	16	3.4	5.4	483	3.2	3.7	3.2
2	2.2	20	e18	e22	e18	17	3.8	25	493	3.4	3.4	3.0
3	3.4	18	e18	e22	e19	17	3.5	21	472	3.8	3.5	2.6
4	3.4	17	e17	e23	e19	17	3.0	18	382	3.3	4.0	2.7
5	3.6	19	e17	e24	e20	17	2.5	20	284	3.3	4.4	3.2
6	3.1	18	e17	e23	e18	17	3.5	10	225	3.9	3.6	3.0
7	2.7	17	e18	e22	e16	17	5.0	7.4	214	3.8	3.2	2.3
8	2.4	16	e17	e21	e14	18	5.0	13	120	4.7	3.0	1.9
9	2.4	19	e17	e20	e16	16	3.8	24	71	7.0	3.1	1.7
10	1.9	22	e18	e19	e18	18	3.0	142	109	7.4	3.4	1.9
11	6.9	20	e17	e19	e16	19	2.8	319	98	7.3	2.9	1.5
12	13	18	e17	e19	e15	19	2.9	489	71	6.3	1.3	2.1
13	7.1	17	e18	e18	e14	17	4.0	697	46	4.9	1.6	3.0
14	5.1	17	e18	e18	e15	16	4.2	905	27	3.9	1.9	2.6
15	5.1	16	e18	e18	e16	14	4.1	935	12	11	3.0	1.6
16	6.6	e16	e19	e17	e17	14	3.0	979	4.2	13	2.6	1.7
17	6.4	e17	e18	e18	e18	14	1.9	988	4.3	5.0	3.3	1.5
18	6.6	e17	e19	e19	e18	14	1.8	681	4.0	4.2	2.0	1.6
19	8.5	e18	e20	e20	e19	13	1.7	813	3.8	2.5	1.7	1.5
20	12	e18	e21	e21	e19	11	1.7	958	3.9	2.3	2.3	1.6
21	12	e18	e21	e20	e17	7.9	1.8	953	2.7	2.4	2.9	1.5
22	13	e18	e22	e19	e16	5.3	2.3	648	2.0	2.1	4.1	1.7
23	14	e19	e23	e19	e15	7.5	3.1	793	3.2	1.9	4.5	1.8
24	15	e19	e22	e19	e14	7.0	5.4	980	3.8	1.7	3.7	2.1
25	16	e19	e20	e18	e15	6.8	6.5	1030	7.1	1.8	3.6	2.2
26	15	e19	e19	e18	e15	5.8	4.7	890	3.2	1.5	4.1	2.5
27	15	19	e18	e19	16	3.2	8.3	777	3.6	1.7	3.7	2.2
28	18	20	e19	e18	16	3.1	7.6	643	4.5	1.8	3.1	2.0
29	19	19	e20	e17	---	3.3	7.6	548	3.4	.81	3.0	2.1
30	18	19	e21	e16	---	3.4	6.0	531	3.7	1.2	3.3	2.4
31	20	---	e21	e15	---	3.2	---	498	---	2.1	3.4	---
TOTAL	279.8	552	587	603	466	377.5	117.9	16340.8	3164.4	123.21	97.3	64.7
MEAN	9.03	18.4	18.9	19.5	16.6	12.2	3.93	527	105	3.97	3.14	2.16
MAX	20	23	23	24	20	19	8.3	1030	493	13	4.5	3.2
MIN	1.9	16	17	15	14	3.1	1.7	5.4	2.0	.81	1.3	1.5
AC-FT	555	1090	1160	1200	924	749	234	32410	6280	244	193	128

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	30.6	31.8	26.0	24.9	30.4	26.4	13.8	253	298	48.2	11.8	14.6
MAX	114	113	90.3	77.2	87.3	58.7	37.5	527	1121	354	40.4	49.6
(WY)	1998	1998	1998	1998	1998	1998	1998	2001	1995	1995	1993	1997
MIN	9.03	11.8	13.1	12.0	15.2	12.2	2.43	9.97	4.80	.51	.40	1.41
(WY)	2001	2000	1993	1996	1996	2001	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	9099.83		22773.61			
ANNUAL MEAN	24.9		62.4		67.5	
HIGHEST ANNUAL MEAN					148	1998
LOWEST ANNUAL MEAN					12.7	1992
HIGHEST DAILY MEAN	712	May 26	1030	May 25	3560	Jun 16 1995
LOWEST DAILY MEAN	.33	Aug 20	.81	Jul 29	.03	Aug 7 1994
ANNUAL SEVEN-DAY MINIMUM	.39	Aug 14	1.5	Jul 24	.03	Aug 25 1994
ANNUAL RUNOFF (AC-FT)	18050		45170		48900	
10 PERCENT EXCEEDS	25		26		101	
50 PERCENT EXCEEDS	12		14		18	
90 PERCENT EXCEEDS	1.2		2.1		2.6	

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 2000 TO SEPTEMBER 2001

DATE	TIME	SAMPLE TYPE	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)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT							
11...	0740	ENVIRONMENTAL	2.5	8.0	3610	10.5	19.9
MAR							
15...	1500	ENVIRONMENTAL	15	8.4	2000	11.0	65.6
APR							
27...	1130	ENVIRONMENTAL	12	8.1	2070	17.0	68.3
JUN							
08...	1745	ENVIRONMENTAL	--	8.5	456	20.0	7.7
27...	1850	ENVIRONMENTAL	6.0	7.9	1950	27.0	24.2
27...	1855	REPLICATE	6.0	7.9	1950	27.0	25.3
AUG							
14...	1505	ENVIRONMENTAL	--	8.6	2120	28.0	18.0
29...	1400	ENVIRONMENTAL	--	8.6	1830	--	23.8
SEP							
26...	1555	ENVIRONMENTAL	--	8.5	2290	21.5	--

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

LOCATION.--Lat 40°27'42", long 110°50'10", in SE¼SE¼SW¼ sec. 19, T. 1 N., R. 8 W., 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, 286 ft^3/s, May 16, gage height, 3.36 ft; minimum daily discharge, 8.0 ft^3/s, Feb 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	e13	e12	e11	e10	23	45	44	25	18	13
2	12	14	e13	e12	e11	e11	27	44	44	25	17	14
3	12	15	e12	e12	e11	e12	27	43	41	24	19	14
4	12	16	e12	e11	e10	e12	24	42	41	23	21	13
5	12	14	e13	e11	e10	e12	23	41	40	23	19	14
6	12	e14	e12	e11	e10	e13	24	42	39	23	18	14
7	12	e14	e12	e12	e9.5	e15	24	52	38	24	18	14
8	12	e15	e12	e12	e9.0	16	23	65	38	24	18	15
9	12	e15	e12	e13	e8.0	16	22	60	38	29	19	16
10	14	e14	e12	e12	e9.0	17	22	55	38	30	20	16
11	18	e14	e11	e12	e9.0	16	21	60	39	25	16	16
12	15	e14	e11	e12	e9.0	16	23	60	43	24	16	16
13	14	e13	e11	e11	e10	15	21	62	41	23	18	19
14	13	e13	e11	e11	e10	15	22	78	37	23	18	18
15	13	e14	e12	e11	e10	21	21	150	37	23	17	16
16	13	e14	e12	e12	e10	17	23	162	37	23	19	17
17	13	e14	e12	e11	e10	17	28	113	36	21	18	18
18	13	e15	e11	e10	e10	16	33	100	35	21	16	17
19	13	e15	e12	e10	e11	17	37	88	33	20	16	17
20	12	e14	e13	e11	e11	19	36	74	32	20	17	16
21	13	e14	e13	e11	e11	22	34	57	31	19	20	15
22	13	e13	e13	e11	e12	23	32	56	31	19	21	15
23	13	e13	e12	e11	e12	24	30	56	31	18	18	15
24	13	e14	e12	e12	e11	25	31	49	30	18	17	13
25	13	e14	e13	e12	e11	25	35	46	30	18	16	14
26	13	e15	e13	e12	e10	26	44	44	31	19	14	18
27	14	e15	e14	e11	e10	25	49	42	30	19	14	16
28	16	e15	e13	e11	e10	24	46	42	27	18	14	16
29	15	e14	e12	e11	---	23	44	42	26	18	14	16
30	16	e14	e12	e10	---	22	46	42	25	18	15	15
31	17	---	e11	e10	---	23	---	42	---	18	15	---
TOTAL	416	428	377	351	285.5	565	895	1954	1063	675	536	466
MEAN	13.4	14.3	12.2	11.3	10.2	18.2	29.8	63.0	35.4	21.8	17.3	15.5
MAX	18	16	14	13	12	26	49	162	44	30	21	19
MIN	12	13	11	10	8.0	10	21	41	25	18	14	13
AC-FT	825	849	748	696	566	1120	1780	3880	2110	1340	1060	924

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	19.0	17.8	15.7	14.6	14.1	17.8	29.0	80.9	95.8	38.1	24.3	20.6
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	10.2	11.6	17.1	28.9	15.4	15.5	11.3	9.02
(WY)	1993	1990	1993	1993	2001	1992	1992	1994	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	7511		8011.5			
ANNUAL MEAN	20.5		21.9		32.3	
HIGHEST ANNUAL MEAN					62.3	1998
LOWEST ANNUAL MEAN					16.7	1992
HIGHEST DAILY MEAN	64	May 2	162	May 16	474	May 29 1999
LOWEST DAILY MEAN	10	Feb 13	8.0	Feb 9	6.8	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	11	Feb 10	9.1	Feb 6	7.4	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	14900		15890		23430	
10 PERCENT EXCEEDS	35		42		49	
50 PERCENT EXCEEDS	18		16		20	
90 PERCENT EXCEEDS	12		11		12	

e Estimated

09277500 DUCHESNE RIVER NEAR TABIONA, UT

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

DRAINAGE AREA.--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)
May 17	0330	*886	*3.75				

Minimum discharge, 49 ft^3/s, Sep 4.

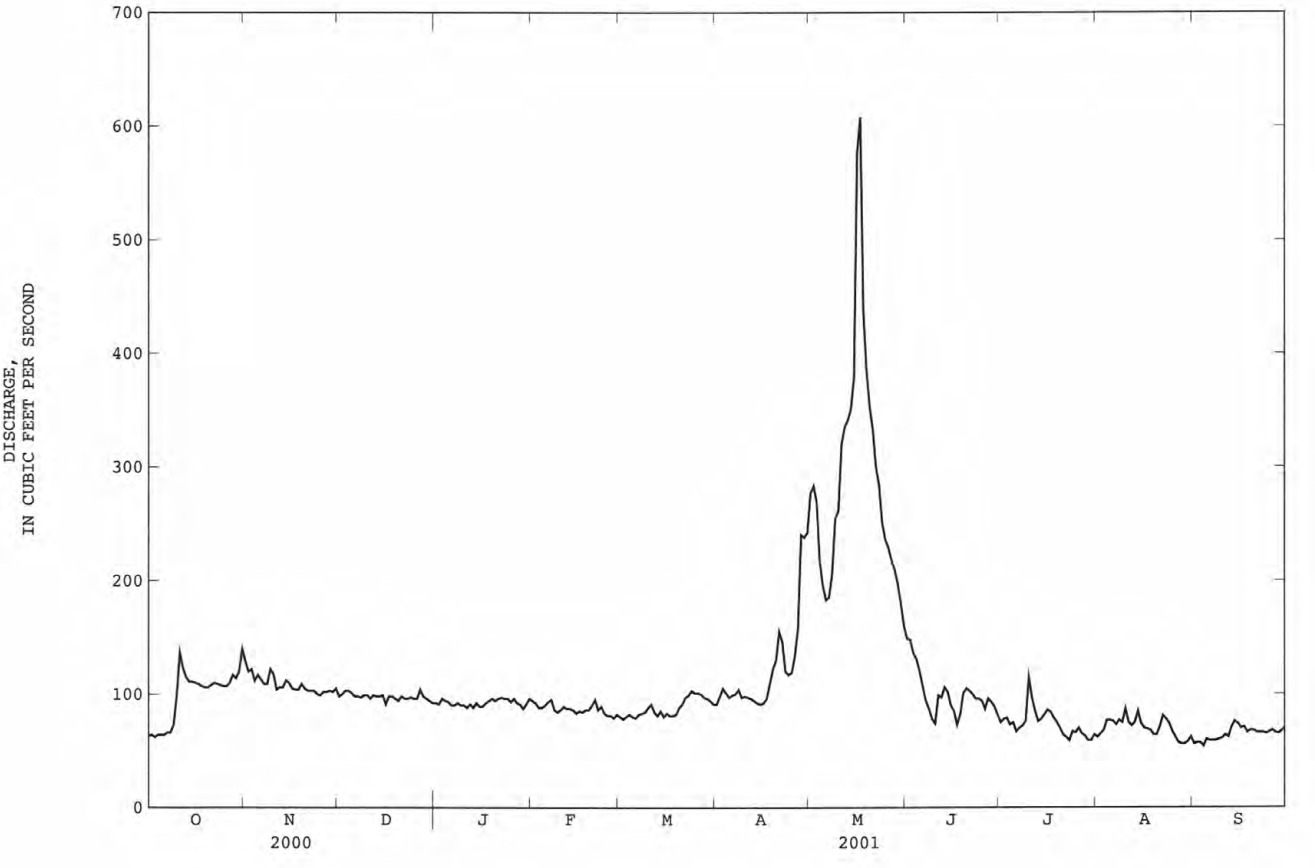
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	129	98	92	e94	e80	91	277	149	75	62	56
2	64	120	100	91	e92	e78	98	283	148	78	65	57
3	62	122	103	96	e88	e80	105	269	136	79	68	57
4	64	112	103	94	e88	e82	101	218	131	73	77	54
5	64	117	101	93	e90	e80	97	196	120	75	77	60
6	64	113	98	90	e93	79	99	183	107	67	76	59
7	66	109	98	90	e95	82	100	185	94	70	73	59
8	66	109	97	92	e86	83	104	206	87	72	77	59
9	73	122	99	e90	e84	84	97	255	78	76	75	60
10	99	118	99	e90	e86	88	98	261	74	115	87	61
11	137	104	96	e88	89	91	97	320	99	97	75	64
12	123	106	99	e91	87	84	96	335	97	85	72	62
13	115	106	98	e88	87	81	94	341	106	76	75	71
14	111	112	98	e92	86	85	92	351	102	78	85	76
15	111	110	99	e89	83	80	91	379	90	82	74	74
16	110	105	91	e89	85	83	92	577	85	86	70	70
17	109	104	e98	e92	84	81	96	608	73	84	69	71
18	107	104	e98	e94	86	81	109	436	82	79	68	66
19	106	109	e96	e96	86	82	122	385	101	75	64	68
20	106	105	e94	e94	90	88	130	353	105	70	64	68
21	108	103	e98	e96	95	91	155	333	103	64	71	66
22	110	103	e96	e97	86	97	146	300	100	62	81	66
23	109	103	96	e96	89	99	120	284	96	59	78	66
24	108	100	97	e96	83	103	117	251	96	67	74	65
25	107	99	96	e93	81	101	119	236	94	66	67	66
26	107	102	96	e96	81	101	134	229	87	70	62	68
27	110	102	104	e92	e79	100	158	218	96	65	57	66
28	117	103	98	e91	e82	97	240	210	93	63	56	65
29	114	102	96	e87	---	96	238	197	89	59	56	67
30	120	105	94	e91	---	94	242	180	82	59	58	70
31	140	---	92	e96	---	91	---	160	---	64	62	---
TOTAL	3070	3258	3026	2862	2435	2722	3678	9016	3000	2290	2175	1937
MEAN	99.0	109	97.6	92.3	87.0	87.8	123	291	100	73.9	70.2	64.6
MAX	140	129	104	97	95	103	242	608	149	115	87	76
MIN	62	99	91	87	79	78	91	160	73	59	56	54
AC-FT	6090	6460	6000	5680	4830	5400	7300	17880	5950	4540	4310	3840
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2001, BY WATER YEAR (WY)												
MEAN	116	119	107	95.2	92.3	99.1	152	480	617	199	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1919 - 2001	
ANNUAL TOTAL	36667		39469			
ANNUAL MEAN	100		108		191	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	275	May 26	608	May 17	2490	Jun 13 1921
LOWEST DAILY MEAN	45	Jul 30	54	Sep 4	21	Jun 5 1992
ANNUAL SEVEN-DAY MINIMUM	49	Jul 26	57	Aug 29	30	May 31 1992
ANNUAL RUNOFF (AC-FT)	72730		78290		138300	
10 PERCENT EXCEEDS	135		151		390	
50 PERCENT EXCEEDS	97		93		110	
90 PERCENT EXCEEDS	65		65		74	

e Estimated



09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

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

DRAINAGE AREA.--147 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. 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, 87 ft^3/s, May 18, gage height, 2.19 ft; minimum discharge, 26 ft^3/s, Dec 1, Feb 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	53	47	44	44	43	52	58	71	60	52	61
2	48	48	43	42	44	43	58	58	71	60	52	61
3	48	46	43	44	44	43	56	58	71	60	53	62
4	48	45	43	44	43	43	55	57	71	58	53	61
5	48	44	44	45	43	44	55	56	71	58	50	50
6	47	43	44	44	43	44	55	54	70	58	49	49
7	47	43	43	42	45	44	56	54	69	59	49	50
8	47	43	43	41	44	45	56	54	69	58	49	50
9	48	44	43	46	40	46	53	55	68	62	51	49
10	57	44	44	46	44	49	56	57	67	63	50	49
11	66	43	43	44	44	48	53	59	66	62	49	49
12	55	41	45	48	43	46	53	59	66	61	49	48
13	52	40	44	48	43	46	51	63	66	61	50	52
14	50	43	45	44	43	46	52	64	67	60	50	51
15	50	43	45	45	44	45	55	65	65	63	49	49
16	49	41	45	42	43	46	57	72	65	61	48	49
17	49	40	44	41	44	46	57	83	65	58	46	50
18	49	40	47	43	43	47	57	82	65	57	46	49
19	48	44	44	46	43	47	58	74	65	56	46	49
20	49	43	45	44	43	51	59	71	65	55	47	48
21	50	42	45	41	43	54	60	72	64	56	50	48
22	51	45	45	44	44	56	59	69	65	56	48	48
23	50	45	44	43	45	56	58	70	63	54	47	48
24	50	44	44	43	44	56	55	72	62	55	46	48
25	50	42	43	43	44	55	55	72	62	54	45	49
26	50	45	41	41	44	55	58	74	64	56	44	49
27	51	44	45	44	44	54	61	75	64	56	45	48
28	56	44	44	43	44	53	53	75	62	54	44	48
29	52	43	43	42	---	52	53	74	61	53	49	51
30	55	44	44	39	---	51	52	73	60	52	60	49
31	58	---	43	39	---	51	---	72	---	53	60	---
TOTAL	1576	1309	1365	1345	1219	1505	1668	2051	1980	1789	1526	1522
MEAN	50.8	43.6	44.0	43.4	43.5	48.5	55.6	66.2	66.0	57.7	49.2	50.7
MAX	66	53	47	48	45	56	61	83	71	63	60	62
MIN	47	40	41	39	40	43	51	54	60	52	44	48
AC-FT	3130	2600	2710	2670	2420	2990	3310	4070	3930	3550	3030	3020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	57.6	54.7	51.9	48.9	48.0	51.0	50.7	122	248	194	93.1	78.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	21546		18855			
ANNUAL MEAN	58.9		51.7		91.6	
HIGHEST ANNUAL MEAN					212	1999
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	81	Aug 4	83	May 17	1310	Jul 1 1998
LOWEST DAILY MEAN	40	Nov 13	39	Jan 30	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	41	Nov 12	41	Nov 12	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	42740		37400		66340	
10 PERCENT EXCEEDS	70		65		169	
50 PERCENT EXCEEDS	62		49		47	
90 PERCENT EXCEEDS	44		43		33	

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

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

DRAINAGE AREA.--623 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 17	1615	*899	*5.66				

Minimum discharge, 51 ft^3/s, Aug 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	199	149	153	148	136	148	253	147	87	85	85
2	117	182	158	152	152	135	162	254	144	91	85	85
3	113	172	162	155	156	139	170	254	139	93	90	85
4	117	168	162	158	152	133	162	231	137	89	99	82
5	116	172	164	159	154	138	157	207	133	88	95	80
6	115	167	160	157	156	141	163	193	120	83	92	78
7	118	165	154	156	160	144	163	188	110	84	90	76
8	120	160	156	152	145	145	171	198	101	87	95	78
9	121	180	161	152	132	148	154	246	95	90	93	82
10	150	180	160	163	150	163	163	246	91	118	101	82
11	221	159	153	154	156	159	155	292	94	120	93	81
12	189	153	160	164	150	143	158	315	103	106	90	84
13	173	144	153	159	145	144	151	321	116	100	92	93
14	168	157	163	157	144	145	150	339	119	100	94	100
15	166	158	165	159	134	134	149	354	112	101	89	95
16	164	150	142	155	139	143	153	490	105	110	84	93
17	162	144	136	148	141	136	154	669	94	99	80	98
18	161	139	135	140	145	140	163	473	92	94	80	98
19	161	150	139	153	147	141	177	417	104	90	82	99
20	160	162	161	166	147	151	186	367	110	86	82	95
21	168	158	162	160	158	158	197	338	106	82	88	94
22	174	163	163	155	150	167	191	288	103	79	95	93
23	168	165	162	155	151	167	179	275	101	81	96	91
24	166	156	160	153	143	174	169	238	102	84	93	90
25	165	151	157	160	138	169	170	235	101	83	86	90
26	166	159	150	147	139	170	183	231	97	88	85	89
27	169	165	156	157	141	165	206	223	105	90	78	88
28	183	163	163	155	139	159	220	217	104	86	65	90
29	178	159	156	149	---	157	231	201	101	82	58	91
30	181	162	159	150	---	152	238	180	95	81	65	95
31	218	---	158	143	---	148	---	161	---	85	75	---
TOTAL	4867	4862	4839	4796	4112	4644	5193	8894	3281	2837	2675	2660
MEAN	157	162	156	155	147	150	173	287	109	91.5	86.3	88.7
MAX	221	199	165	166	160	174	238	669	147	120	101	100
MIN	113	139	135	140	132	133	148	161	91	79	58	76
AC-FT	9650	9640	9600	9510	8160	9210	10300	17640	6510	5630	5310	5280

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

MEAN	196	194	169	158	153	165	210	620	1093	424	191	174
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	91.5	84.4	77.6
(WY)	1978	1978	1991	1978	1977	1977	1977	1990	1992	2001	1996	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	58158		53660			
ANNUAL MEAN	159		147		312	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					118	1992
HIGHEST DAILY MEAN	340	May 26	669	May 17	4700	Jun 6 1986
LOWEST DAILY MEAN	83	Jul 20	58	Aug 29	54	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	89	Jul 19	73	Aug 26	60	Sep 23 1994
ANNUAL RUNOFF (AC-FT)	115400		106400		226200	
10 PERCENT EXCEEDS	203		192		594	
50 PERCENT EXCEEDS	163		150		173	
90 PERCENT EXCEEDS	100		86		110	

09288000 CURRANT CREEK NEAR FRUITLAND, UT

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

DRAINAGE AREA.--140 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, 115 ft^3/s, Sep 13, gage height, 2.07 ft; minimum discharge, 12 ft^3/s, Jan 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	36	29	31	30	32	35	52	e39	e37	36	37
2	39	35	29	29	33	31	37	52	e38	e37	35	38
3	35	34	31	29	33	32	43	55	e38	e36	38	37
4	32	34	31	30	33	32	43	55	e38	e36	40	37
5	31	34	32	31	33	31	43	54	e38	e36	37	37
6	31	33	31	32	32	32	44	52	e39	e37	36	37
7	32	33	32	28	33	33	46	51	e39	e37	39	37
8	32	32	32	25	30	34	47	51	e39	e38	39	38
9	32	35	32	30	26	34	44	50	e39	e38	42	40
10	34	35	32	34	30	36	43	50	e40	e38	37	39
11	38	31	30	30	32	35	42	49	e40	e38	35	38
12	34	30	32	33	31	33	44	49	e40	e38	34	35
13	33	28	32	32	32	33	44	49	e39	37	35	47
14	32	32	32	30	31	34	42	48	e39	37	35	40
15	34	32	32	31	31	31	42	47	e39	38	34	38
16	33	29	30	29	30	32	42	47	e38	37	35	38
17	32	28	29	25	30	32	42	45	e38	36	34	40
18	32	29	28	27	31	32	43	47	e39	35	34	41
19	32	32	27	31	32	34	45	47	e39	35	34	42
20	32	32	34	33	32	36	46	45	e39	36	34	42
21	33	31	32	27	32	40	46	45	e38	36	37	41
22	33	32	31	31	31	40	48	44	e38	35	37	42
23	33	32	31	32	32	39	49	41	e38	35	37	40
24	33	31	31	29	31	38	49	e40	e37	35	35	42
25	32	30	30	33	31	38	52	e39	e37	35	36	41
26	32	32	26	29	31	38	53	e40	e37	36	35	41
27	34	32	31	33	32	36	54	e39	e36	37	35	42
28	35	32	32	32	32	35	54	e38	e36	36	35	41
29	34	31	30	29	---	35	56	e39	e36	35	36	42
30	35	32	32	30	---	35	54	e38	e37	35	35	43
31	38	---	31	25	---	35	---	e39	---	36	36	---
TOTAL	1041	959	954	930	877	1068	1372	1437	1147	1128	1117	1193
MEAN	33.6	32.0	30.8	30.0	31.3	34.5	45.7	46.4	38.2	36.4	36.0	39.8
MAX	39	36	34	34	33	40	56	55	40	38	42	47
MIN	31	28	26	25	26	31	35	38	36	35	34	35
AC-FT	2060	1900	1890	1840	1740	2120	2720	2850	2280	2240	2220	2370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)

MEAN	34.6	34.2	32.3	32.3	33.3	37.6	50.4	62.7	63.7	42.3	38.8	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1986 - 2001	
ANNUAL TOTAL	13798		13223			
ANNUAL MEAN	37.7		36.2		41.7	
HIGHEST ANNUAL MEAN					74.6	1998
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	52	Apr 14	56	Apr 29	242	Jun 21 1998
LOWEST DAILY MEAN	26	Dec 26	25	Jan 8	12	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	30	Nov 12	29	Jan 15	19	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	27370		26230		30240	
10 PERCENT EXCEEDS	45		44		59	
50 PERCENT EXCEEDS	38		35		36	
90 PERCENT EXCEEDS	32		30		26	

e Estimated

09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT

LOCATION.--Lat 40°09'17", long 110°33'15", in SE¼SW¼SW¼ 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; minimum recorded, 17 ft^3/s, Jun 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 554 ft^3/s, May 4, 5, gage height, 6.30 ft; minimum daily discharge, 64 ft^3/s, Jan 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	100	83	e74	e70	104	106	288	145	93	86	88
2	104	92	76	e74	e72	106	109	361	145	95	86	89
3	99	88	e80	e74	e72	141	120	465	148	96	89	88
4	88	86	e78	e72	e74	145	125	519	136	93	93	87
5	87	88	e80	e72	e77	100	128	496	143	91	88	84
6	85	85	e82	e74	e80	102	137	445	140	88	83	83
7	86	86	e82	e74	e82	105	135	423	129	92	85	82
8	86	85	e82	e72	e80	109	143	415	126	91	90	83
9	86	91	e80	e70	e78	109	136	416	128	93	93	80
10	89	90	e78	e69	e78	112	137	441	122	93	114	82
11	121	84	e78	e68	e80	109	137	440	121	103	95	82
12	102	88	e78	e64	e79	99	137	450	120	96	91	81
13	91	86	e76	e70	e78	94	133	431	124	98	92	84
14	87	89	e76	e68	e76	94	133	433	116	103	104	113
15	86	103	e76	e68	e78	87	131	381	117	99	97	88
16	86	83	e75	e68	e76	93	131	353	115	107	94	89
17	83	74	e74	e66	e76	92	133	345	113	98	92	89
18	83	73	e73	e66	e76	93	137	343	109	99	89	89
19	82	85	e74	e68	e78	96	142	323	107	96	88	88
20	81	92	e74	e68	e80	101	152	289	100	96	92	87
21	84	90	e74	e66	e82	101	167	268	99	94	96	87
22	90	102	e76	e66	97	107	172	245	97	91	101	87
23	86	106	e76	e68	97	106	166	222	98	91	98	85
24	84	101	e74	e66	87	107	159	212	101	91	94	85
25	83	98	e74	e66	90	106	156	193	100	90	93	84
26	82	100	e76	e68	96	107	156	184	102	88	91	84
27	83	87	e78	e68	103	107	166	178	103	93	89	85
28	91	96	e78	e70	109	105	189	167	102	91	86	84
29	87	94	e80	e68	---	106	227	164	97	90	85	84
30	86	91	e76	e68	---	106	273	152	92	86	87	86
31	106	---	e76	e70	---	105	---	150	---	88	90	---
TOTAL	2778	2713	2393	2143	2301	3254	4473	10192	3495	2913	2851	2587
MEAN	89.6	90.4	77.2	69.1	82.2	105	149	329	116	94.0	92.0	86.2
MAX	121	106	83	74	109	145	273	519	148	107	114	113
MIN	81	73	73	64	70	87	106	150	92	86	83	80
AC-FT	5510	5380	4750	4250	4560	6450	8870	20220	6930	5780	5650	5130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY)

MEAN	110	98.1	96.6	91.9	98.0	116	173	401	280	140	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	37878		42093			
ANNUAL MEAN	103		115		153	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					47.5	1977
HIGHEST DAILY MEAN	253	May 8	519	May 4	2010	May 31 1983
LOWEST DAILY MEAN	73	Nov 18	64	Jan 12	18	Jun 20 1977
ANNUAL SEVEN-DAY MINIMUM	74	Dec 15	67	Jan 16	20	Jun 19 1977
ANNUAL RUNOFF (AC-FT)	75130		83490		110500	
10 PERCENT EXCEEDS	116		161		327	
50 PERCENT EXCEEDS	99		91		96	
90 PERCENT EXCEEDS	79		74		62	

e Estimated

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

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

DRAINAGE AREA.--77.9 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 17		*1480	*6.07				

Minimum daily discharge, 24 ft^3/s, Feb 12, 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	e46	e37	e32	e26	e27	e35	e133	524	115	62	45
2	54	e44	e35	e32	e26	e28	e37	e131	496	115	59	43
3	52	e39	e33	e32	e27	e27	e36	e113	411	111	67	42
4	52	e47	e33	e31	e28	e27	e35	e105	329	106	73	41
5	50	e45	e33	e32	e28	e27	e36	e102	268	108	63	40
6	50	e42	e32	e33	e28	e27	e36	e108	251	107	59	40
7	50	e41	e32	e33	e27	e27	e36	e120	295	113	58	39
8	50	e46	e32	e32	e26	e27	e36	e144	301	106	56	39
9	50	e46	e33	e32	e25	e28	e34	e188	307	156	57	39
10	64	e46	e34	e32	e26	e29	e36	e236	303	134	65	38
11	64	e48	e33	e31	e25	e29	e35	e293	268	127	57	38
12	e55	e51	e33	e30	e24	e28	e36	e362	249	125	55	38
13	e49	e51	e32	e29	e24	e28	e34	e460	204	132	55	45
14	e48	e53	e33	e30	e25	e28	e35	e554	181	141	55	44
15	e45	e52	e33	e30	e26	e29	e35	e711	167	187	53	38
16	e44	e49	e33	e30	e27	e29	e38	e969	169	145	53	37
17	e45	e49	e33	e29	e28	e30	e41	e1040	171	131	50	39
18	e45	e47	e32	e28	e28	e29	e46	e817	166	122	49	41
19	e45	e45	e32	e29	e29	e29	e50	e702	163	115	48	38
20	e45	e44	e33	e29	e29	e31	e51	e716	157	109	48	37
21	e46	e42	e33	e28	e28	e32	e49	e693	155	104	51	37
22	e46	e41	e34	e27	e28	e32	e47	513	153	98	53	36
23	e46	e41	e32	e26	e28	e33	e46	654	150	93	52	36
24	e46	e39	e31	e26	e29	e33	e47	765	157	88	48	36
25	e46	e38	e32	e27	e31	e34	e52	789	152	84	46	36
26	e45	e39	e32	e27	e30	e35	e59	728	144	83	44	36
27	e47	e39	e32	e27	e28	e33	e75	637	142	83	42	36
28	e51	e37	e32	e28	e27	e34	e92	578	133	77	42	36
29	e48	e36	e31	e28	---	e33	e105	567	128	70	41	36
30	e51	e36	e31	e27	---	e33	e118	567	121	65	45	35
31	e55	---	e32	e27	---	e34	---	513	---	65	48	---
TOTAL	1539	1319	1013	914	761	930	1448	15008	6815	3415	1654	1161
MEAN	49.6	44.0	32.7	29.5	27.2	30.0	48.3	484	227	110	53.4	38.7
MAX	64	53	37	33	31	35	118	1040	524	187	73	45
MIN	44	36	31	26	24	27	34	102	121	65	41	35
AC-FT	3050	2620	2010	1810	1510	1840	2870	29770	13520	6770	3280	2300

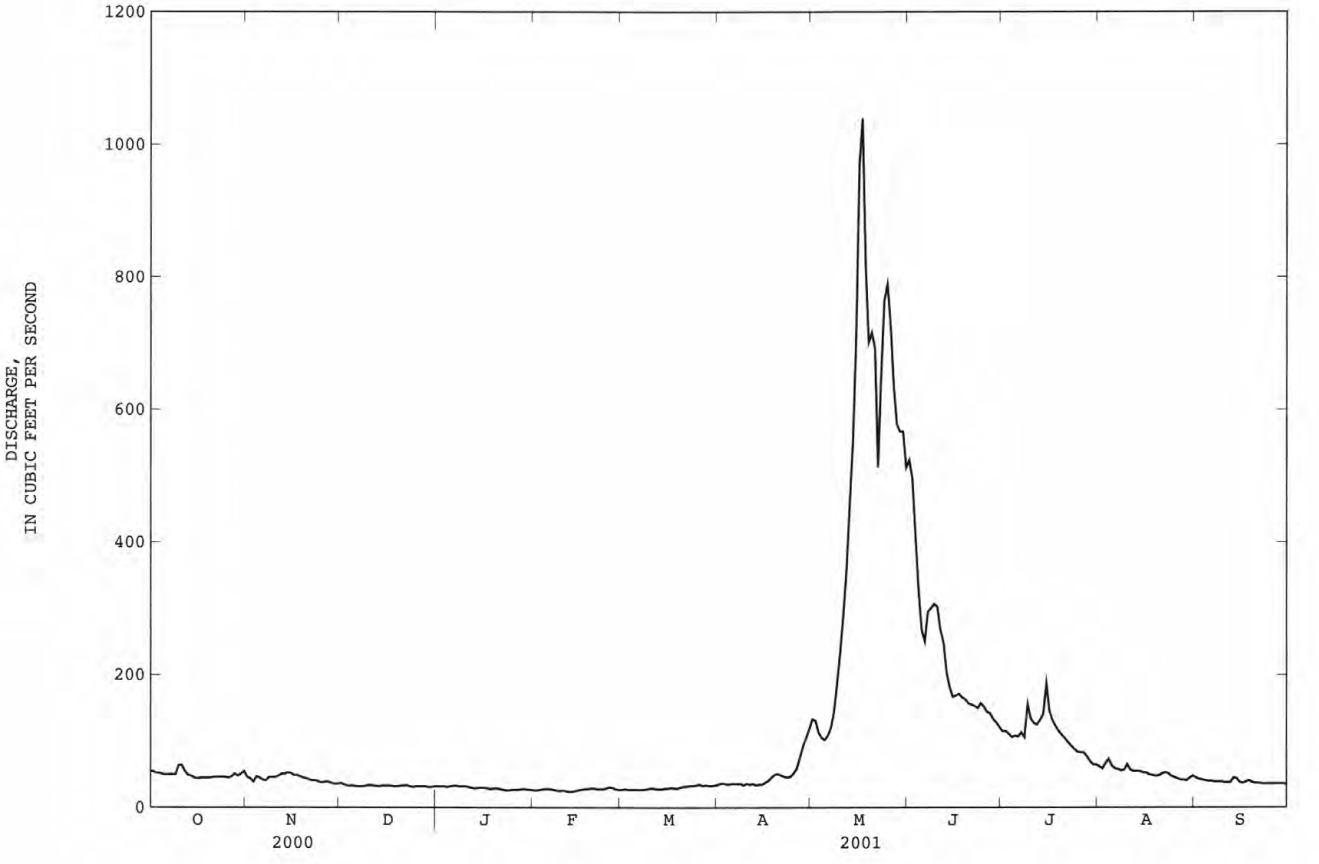
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	53.0	39.4	30.6	26.3	24.1	24.8	40.4	259	534	221	95.1	70.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	28207		35977			
ANNUAL MEAN	77.1		98.6		118	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	802	May 24	1040	May 17	2120	Jun 27 1995
LOWEST DAILY MEAN	25	Feb 3	24	Feb 12	12	Feb 6 1989
ANNUAL SEVEN-DAY MINIMUM	27	Jan 29	25	Feb 8	13	Apr 10 1993
ANNUAL RUNOFF (AC-FT)	55950		71360		85660	
10 PERCENT EXCEEDS	157		187		297	
50 PERCENT EXCEEDS	42		44		43	
90 PERCENT EXCEEDS	31		28		22	

e Estimated



09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

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

DRAINAGE AREA.--108 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, 35,760 acre-ft Jun 1, elevation, 8,137.0 ft; minimum contents observed, 6,187 acre-ft, Oct 1, elevation, 8,090 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31.....	--	10,090	+3,650
Nov 30.....	--	12,860	+2,770
Dec 31.....	--	15,430	+2,570
CAL YR 2000	--	--	-14,180
Jan 31.....	--	17,480	+2,050
Feb 28.....	--	19,150	+1,670
Mar 31.....	--	21,050	+1,900
Apr 30.....	--	24,040	+2,990
May 31.....	--	35,380	+11,340
Jun 30.....	--	30,980	-4,400
Jul 31.....	--	21,440	-9,540
Aug 31.....	--	10,060	-11,380
Sep 30.....	--	6,420	-3,640
WTR YR 2001	--	--	-20

Readings normally made on the first of each month.

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

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

DRAINAGE AREA.--112 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 fair. Flow regulated by Moon Lake Reservoir (see station 09290500). No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,180 ft^3/s, 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, 1,220 ft^3/s, May 24, gage height, 4.19 ft; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	e.00	.00	.00	.00	.00	.00	110	647	271	360	158
2	.00	e.00	.00	.00	.00	.00	.00	111	617	271	358	172
3	.00	e.00	.00	.00	.00	.00	.00	113	537	270	356	277
4	.00	e.00	.00	.00	.00	.00	.00	139	440	269	354	196
5	.00	e.00	.00	.00	.00	.00	.00	173	365	268	365	154
6	.00	e.00	.00	.00	.00	.00	.00	313	302	268	536	151
7	.00	e.00	.00	.00	.00	.00	.00	312	375	267	529	150
8	.00	e.00	.00	.00	.00	.00	.00	310	376	266	525	149
9	.00	e.00	.00	.00	.00	.00	.00	334	386	266	518	148
10	.00	e.00	.00	.00	.00	.00	.00	357	378	265	510	136
11	.00	e.00	.00	.00	.00	.00	.00	360	329	264	504	60
12	e.00	e.00	.00	.00	.00	.00	.00	303	343	263	454	59
13	e.00	e.00	.00	.00	.00	.00	.00	244	261	263	276	59
14	e.00	e.00	.00	.00	.00	.00	.00	240	217	263	171	59
15	e.00	e.00	.00	.00	.00	.00	.00	237	329	263	170	59
16	e.00	e.00	.00	.00	.00	.00	.00	240	469	263	170	58
17	e.00	e.00	.00	.00	.00	.00	.00	245	466	242	169	71
18	e.00	e.00	.00	.00	.00	.00	.00	249	463	230	170	81
19	e.00	e.00	.00	.00	.00	.00	.00	252	382	262	171	81
20	e.00	e.00	.00	.00	.00	.00	.00	251	303	280	170	81
21	e.00	e.00	.00	.00	.00	.00	.00	253	302	279	169	81
22	e.00	e.00	.00	.00	.00	.00	.00	253	301	283	168	80
23	e.00	e.00	.00	.00	.00	.00	.00	372	299	346	168	80
24	e.00	e.00	.00	.00	.00	.00	.00	911	298	353	167	80
25	e.00	e.00	.00	.00	.00	.00	.00	921	265	360	167	63
26	e.00	e.00	.00	.00	.00	.00	.00	871	244	376	166	43
27	e.00	e.00	.00	.00	.00	.00	.00	787	244	374	162	42
28	e.00	e.00	.00	.00	.00	.00	14	730	247	371	162	39
29	e.00	e.00	.00	.00	---	.00	101	721	264	371	161	41
30	e.00	.00	.00	.00	---	.00	110	710	272	369	160	41
31	e.00	---	.00	.00	---	.00	---	639	---	365	159	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	225.00	12061	10721	9121	8645	2949
MEAN	.000	.000	.000	.000	.000	.000	7.50	389	357	294	279	98.3
MAX	.00	.00	.00	.00	.00	.00	110	921	647	376	536	277
MIN	.00	.00	.00	.00	.00	.00	.00	110	217	230	159	39
AC-FT	.00	.00	.00	.00	.00	.00	446	23920	21270	18090	17150	5850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

MEAN	49.9	7.46	.98	1.51	2.35	3.53	48.0	301	373	356	249	140
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	38462.00		43722.00			
ANNUAL MEAN	105		120		128	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					60.9	1977
HIGHEST DAILY MEAN	689	May 29	921	May 25	2000	Jun 19 1949
LOWEST DAILY MEAN	.00	Sep 2	.00	Oct 1	.00	Oct 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 2	.00	Oct 1	.00	Oct 15 1942
ANNUAL RUNOFF (AC-FT)	76290		86720		93090	
10 PERCENT EXCEEDS	378		362		365	
50 PERCENT EXCEEDS	5.7		.00		14	
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 SW¼NW¼NW¼ sec. 27, T. 2 N., R. 4 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on right bank 0.5 mi upstream from powerplant 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, 1,260 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 discharge, 890 ft^3/s, May 16, gage height, 5.87 ft; minimum daily discharge, 26 ft^3/s, Feb 27, 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	45	e38	e43	e35	e27	e35	128	508	128	59	e89
2	75	44	e38	e43	e34	e27	e35	103	442	124	65	e88
3	81	28	e37	e44	e34	e27	e34	97	368	111	65	e84
4	80	50	e38	e44	e34	e27	e34	95	320	103	76	e82
5	78	41	e38	e44	e33	e27	e34	98	323	119	82	e78
6	61	40	e37	e45	e33	e27	e34	112	341	133	79	e76
7	60	44	e40	e44	e32	e27	e34	145	346	150	88	e75
8	57	49	e38	e44	e32	e28	e34	172	341	150	89	e74
9	57	47	e38	e44	e32	e28	e34	195	329	133	86	e71
10	83	53	e39	e43	e32	e28	e35	229	290	135	83	e70
11	62	55	e39	e42	e31	e29	e35	305	254	181	77	e67
12	57	e54	e40	e41	e31	e29	e34	405	218	158	98	e66
13	52	e52	e40	e41	e31	e29	e34	458	186	132	123	e69
14	50	e52	e39	e40	e31	e30	e34	596	168	164	111	e70
15	49	e52	e39	e40	e31	e31	e34	705	166	139	97	e72
16	47	e50	e38	e39	e32	e32	e39	715	164	117	85	e70
17	48	e49	e39	e38	e32	e33	e46	641	165	103	82	e68
18	49	e46	e39	e37	e32	e33	e54	527	169	94	77	e64
19	49	e43	e39	e37	e31	e33	e56	459	170	89	66	e63
20	48	e41	e38	e36	e31	e33	e59	428	161	95	70	e62
21	50	e40	e39	e36	e30	e34	e60	472	160	93	71	e64
22	49	e38	e39	e35	e30	e34	e58	568	174	70	63	e66
23	48	e34	e40	e34	e30	e34	e56	617	180	66	56	e64
24	49	e37	e40	e34	e29	e34	e56	621	172	63	54	e62
25	48	e37	e41	e34	e28	e34	e58	588	167	79	63	e62
26	47	e38	e41	e35	e27	e34	e59	569	157	90	77	e62
27	52	e40	e42	e35	e26	e34	e70	559	149	95	81	e61
28	54	e39	e42	e35	e26	e34	e90	561	146	90	e82	e60
29	51	e39	e42	e36	---	e33	e110	569	137	77	e84	e60
30	53	e39	e43	e36	---	e33	e139	549	133	67	e88	e60
31	54	---	e43	e35	---	e34	---	537	---	62	e90	---
TOTAL	1754	1316	1223	1214	870	957	1524	12823	7004	3410	2467	2079
MEAN	56.6	43.9	39.5	39.2	31.1	30.9	50.8	414	233	110	79.6	69.3
MAX	83	55	43	45	35	34	139	715	508	181	123	89
MIN	47	28	37	34	26	27	34	95	133	62	54	60
AC-FT	3480	2610	2430	2410	1730	1900	3020	25430	13890	6760	4890	4120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	64.6	43.1	39.1	37.4	30.7	31.4	45.2	248	418	181	103	113
MAX	112	61.1	54.4	50.0	32.7	32.4	56.4	414	635	388	150	182
(WY)	1998	1998	1998	1998	2000	1997	2000	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	23865		36641			
ANNUAL MEAN	65.2		100		113	
HIGHEST ANNUAL MEAN					141	1998
LOWEST ANNUAL MEAN					64.4	2000
HIGHEST DAILY MEAN	433	May 23	715	May 16	1200	Jun 20 1999
LOWEST DAILY MEAN	17	Jul 30	26	Feb 27	17	Jul 30 2000
ANNUAL SEVEN-DAY MINIMUM	24	Jul 24	27	Feb 26	20	Dec 3 1998
ANNUAL RUNOFF (AC-FT)	47340		72680		81790	
10 PERCENT EXCEEDS	125		183		274	
50 PERCENT EXCEEDS	46		53		54	
90 PERCENT EXCEEDS	30		32		29	

e Estimated

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT

LOCATION.--Lat 40°30'43", long 110°20'27", in SW¼SW¼NE¼ 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 26	0045	*1,200	*3.36				

Minimum daily discharge, 51 ft^3/s, Mar 12.

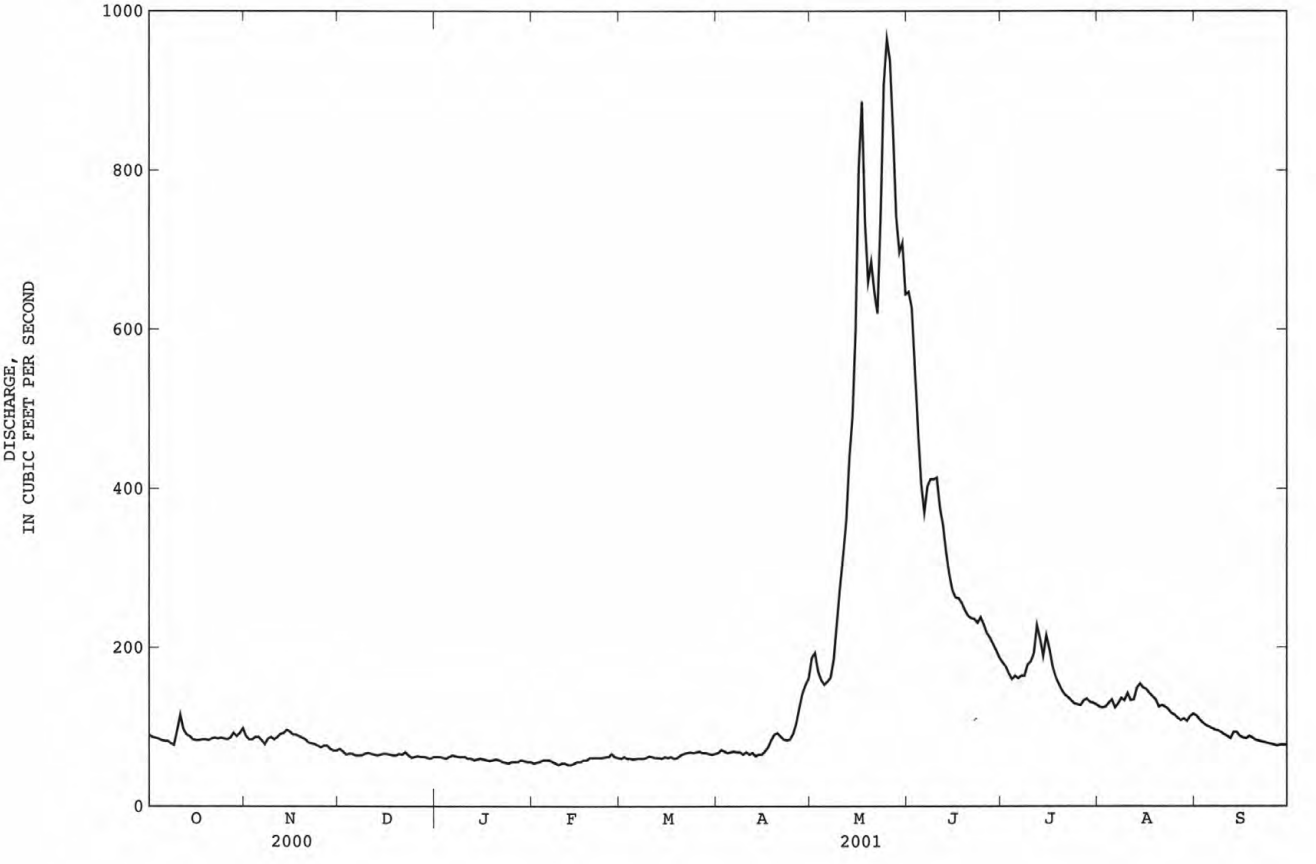
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	88	e72	e62	e54	60	67	187	647	181	125	114
2	87	84	e69	e62	e55	62	71	193	627	176	124	109
3	86	84	e65	e61	e56	60	69	170	550	167	125	105
4	85	87	e66	e60	e58	60	67	159	473	160	130	102
5	83	87	e66	e62	e58	59	68	153	406	164	134	100
6	82	83	e64	e64	e58	60	69	157	370	161	124	98
7	82	78	e64	e63	e56	60	68	162	403	164	129	96
8	79	85	e64	e62	e54	60	68	185	412	164	136	95
9	77	87	e66	e62	e52	61	65	231	412	178	133	93
10	95	84	e67	e62	e54	63	68	276	414	182	142	90
11	115	87	e66	e60	e54	62	65	316	376	192	133	88
12	97	91	e65	e60	e52	61	67	360	354	228	134	85
13	90	92	e64	e58	e52	61	63	439	319	211	149	93
14	88	e96	e65	e59	e54	60	65	491	292	189	154	93
15	84	e94	e66	e60	e56	62	65	598	272	215	149	88
16	83	e90	e66	e59	e56	61	69	803	263	198	147	86
17	83	e90	e65	e58	e58	62	74	887	262	176	142	85
18	84	e88	e64	e57	e58	60	83	737	256	163	138	88
19	84	e86	e64	e58	61	61	90	660	247	154	134	86
20	83	e84	e66	e59	61	64	92	685	240	146	125	83
21	85	e80	e65	e58	61	66	88	647	237	140	127	82
22	86	e79	e68	e56	61	67	84	620	236	137	125	81
23	85	e78	e64	e55	61	68	83	740	231	133	122	80
24	86	e76	e61	e54	62	67	84	908	238	129	117	79
25	85	e74	e62	e56	62	68	91	965	229	128	115	78
26	84	e76	e63	e56	66	69	104	938	218	127	111	77
27	86	e76	e62	e56	62	67	124	846	212	133	108	76
28	92	e72	e62	e58	61	67	142	741	204	135	110	77
29	88	e70	e61	e57	---	66	153	697	196	131	107	77
30	92	e70	e60	e56	---	65	161	709	187	130	113	77
31	98	---	e62	e56	---	66	---	644	---	128	116	---
TOTAL	2704	2496	2004	1826	1613	1955	2527	16304	9783	5020	3978	2661
MEAN	87.2	83.2	64.6	58.9	57.6	63.1	84.2	526	326	162	128	88.7
MAX	115	96	72	64	66	69	161	965	647	228	154	114
MIN	77	70	60	54	52	59	63	153	187	127	107	76
AC-FT	5360	4950	3970	3620	3200	3880	5010	32340	19400	9960	7890	5280
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2001, BY WATER YEAR (WY)												
MEAN	90.7	70.7	58.8	50.7	48.1	48.4	63.3	248	490	237	149	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

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1945 - 2001	
ANNUAL TOTAL	36318		52871			
ANNUAL MEAN	99.2		145		140	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	451	May 24	965	May 25	1810	Jun 20 1999
LOWEST DAILY MEAN	50	Jan 7	52	Feb 9	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	51	Jan 7	53	Feb 8	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	72040		104900		101200	
10 PERCENT EXCEEDS	190		274		309	
50 PERCENT EXCEEDS	78		85		75	
90 PERCENT EXCEEDS	53		59		45	

e Estimated



09295000 DUCHESNE RIVER AT MYTON, UT

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

DRAINAGE AREA.--2,643 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 discharge, 1,290 ft^3/s, May 25, gage height, 4.71 ft; minimum daily discharge, 8.2 ft^3/s, Sep 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	64	66	e160	e170	147	56	71	405	39	20	21
2	61	51	64	e160	e170	145	54	76	369	38	17	20
3	22	44	73	e170	e160	146	50	141	278	38	18	26
4	24	41	82	e170	e160	146	60	243	184	40	27	38
5	25	41	110	e170	e160	142	39	236	122	39	40	32
6	23	42	118	e180	e170	148	44	216	90	38	33	21
7	21	43	177	e180	e170	155	40	163	80	45	24	17
8	20	45	228	e170	e170	154	41	131	76	44	27	17
9	20	42	210	e170	e180	157	45	130	68	41	23	17
10	22	50	e200	e170	e180	192	43	164	64	42	22	22
11	33	53	e200	e180	e170	220	53	159	61	38	17	18
12	41	50	e200	e180	e170	184	56	206	68	39	16	19
13	40	42	e190	e180	e160	161	72	214	75	35	15	22
14	30	39	e190	e170	e160	152	90	228	59	50	23	33
15	27	45	e180	e170	e150	135	111	219	43	49	31	41
16	25	54	e180	e160	e160	133	131	270	42	48	25	35
17	24	50	e190	e160	e160	126	177	694	44	40	25	26
18	24	54	e180	e170	e160	128	187	438	47	54	29	22
19	21	57	e170	e170	166	129	188	403	52	47	e32	21
20	18	64	e170	e170	168	121	147	309	47	38	e32	21
21	16	71	e160	e180	172	115	130	269	47	41	e30	16
22	18	70	e160	e180	188	103	161	180	47	47	e29	19
23	22	80	e160	e175	230	98	150	388	45	50	25	24
24	27	80	e170	e175	195	93	136	795	49	40	24	26
25	27	77	e170	e170	163	87	140	977	52	30	27	18
26	27	74	e160	e170	153	82	84	902	54	27	36	11
27	29	76	e160	e170	157	77	52	762	54	32	29	9.0
28	45	75	e150	e170	153	71	75	622	56	28	17	9.2
29	55	72	e150	e160	---	68	68	550	52	27	17	10
30	48	78	e160	e160	---	68	83	482	42	19	22	8.2
31	46	---	e160	e170	---	63	---	406	---	18	24	---
TOTAL	948	1724	4938	5290	4725	3946	2763	11044	2772	1201	776	639.4
MEAN	30.6	57.5	159	171	169	127	92.1	356	92.4	38.7	25.0	21.3
MAX	67	80	228	180	230	220	188	977	405	54	40	41
MIN	16	39	64	160	150	63	39	71	42	18	15	8.2
AC-FT	1880	3420	9790	10490	9370	7830	5480	21910	5500	2380	1540	1270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2001, BY WATER YEAR (WY)

MEAN	238	288	307	295	316	360	371	1052	1649	423	171	189
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1912 - 2001	
ANNUAL TOTAL	41683		40766.4			
ANNUAL MEAN	114		112		471	
HIGHEST ANNUAL MEAN					1318	1922
LOWEST ANNUAL MEAN					52.0	1992
HIGHEST DAILY MEAN	411	Apr 1	977	May 25	9690	Jun 20 1917
LOWEST DAILY MEAN	16	Oct 21	8.2	Sep 30	1.0	Jul 11 1931
ANNUAL SEVEN-DAY MINIMUM	20	Oct 17	13	Sep 24	1.0	Jul 11 1931
ANNUAL RUNOFF (AC-FT)	82680		80860		341200	
10 PERCENT EXCEEDS	256		190		996	
50 PERCENT EXCEEDS	66		68		284	
90 PERCENT EXCEEDS	31		22		33	

e Estimated

09295100 DUCHESNE RIVER ABOVE UINTA RIVER, NEAR RANDLETT, UT

LOCATION.--Lat 40°12'24", long 109°51'33", in NW¼NW¼SW¼ 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, 3.6 ft^3/s, Aug 31, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft^3/s, May 25, gage height, 6.13 ft; minimum discharge, 3.6 ft^3/s, Aug 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	63	69	e210	e120	151	51	68	424	28	e8.0	6.9
2	63	59	58	e210	e130	146	49	62	438	26	8.8	7.6
3	45	50	60	e200	e130	148	50	104	372	21	20	7.9
4	28	43	77	e200	e140	150	54	243	269	16	17	11
5	29	41	84	e200	e150	144	48	257	186	19	20	12
6	26	41	100	e190	e150	152	42	224	e130	21	27	8.6
7	23	44	116	e180	e160	157	44	190	e98	19	25	6.5
8	22	48	178	e180	e150	158	44	140	e89	32	17	6.8
9	21	49	183	e180	e140	e158	42	122	e76	32	e15	7.5
10	20	50	190	e180	e150	e170	42	161	e75	27	9.4	9.9
11	56	57	175	e170	e160	e240	44	144	e51	29	8.8	15
12	66	55	e170	e180	e160	e230	47	184	54	23	8.5	13
13	60	48	e170	e170	e170	e200	52	206	63	13	e8.0	9.9
14	48	41	e175	e180	e160	e170	65	222	74	23	8.9	17
15	36	47	e180	e180	e160	e150	83	217	51	29	15	24
16	31	49	185	e165	e150	e140	105	222	42	28	15	23
17	29	48	200	e150	e160	e131	147	605	44	22	12	24
18	28	45	191	e150	e160	125	168	514	43	23	13	24
19	27	49	179	e140	e160	127	170	401	40	39	13	22
20	25	52	179	e140	e170	123	e170	306	48	24	17	19
21	25	61	e181	e150	e170	119	e140	278	43	24	25	17
22	28	68	e190	e150	e180	104	e160	199	37	27	23	16
23	31	76	191	e160	e170	101	e180	138	40	27	21	17
24	30	74	192	e170	e150	95	e150	515	42	12	18	21
25	31	68	202	e160	e165	91	123	1110	45	9.1	25	17
26	29	76	203	e150	e160	81	96	1100	44	8.2	32	11
27	30	84	e210	e150	e160	70	56	937	41	e7.8	29	6.8
28	32	74	e210	e140	157	66	54	777	30	e8.1	28	4.6
29	55	71	e200	e136	---	60	67	620	38	e7.6	25	7.6
30	52	76	e200	e130	---	61	65	602	35	e7.4	13	8.9
31	51	---	e200	e120	---	55	---	448	---	e7.3	4.4	---
TOTAL	1141	1707	5098	5171	4342	4073	2608	11316	3062	639.5	529.8	402.5
MEAN	36.8	56.9	164	167	155	131	86.9	365	102	20.6	17.1	13.4
MAX	66	84	210	210	180	240	180	1110	438	39	32	24
MIN	20	41	58	120	120	55	42	62	30	7.3	4.4	4.6
AC-FT	2260	3390	10110	10260	8610	8080	5170	22450	6070	1270	1050	798

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	310	352	359	296	314	313	201	325	1142	354	194	288
MAX	575	711	587	484	623	567	326	562	2444	1033	476	600
(WY)	1999	1999	1999	1999	1999	1999	1998	1998	1999	1998	1998	1998
MIN	36.8	56.9	164	167	155	131	86.9	65.1	44.8	20.6	15.7	13.4
(WY)	2001	2001	2001	2001	2001	2001	2001	2000	2000	2001	2000	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	38476.5		40089.8			
ANNUAL MEAN	105		110		301	
HIGHEST ANNUAL MEAN					632	1999
LOWEST ANNUAL MEAN					110	2001
HIGHEST DAILY MEAN	382	Apr 2	1110	May 25	4410	Jun 20 1999
LOWEST DAILY MEAN	7.6	Aug 17	4.4	Aug 31	4.4	Aug 31 2001
ANNUAL SEVEN-DAY MINIMUM	11	Aug 13	7.8	Jul 26	7.8	Jul 26 2001
ANNUAL RUNOFF (AC-FT)	76320		79520		218000	
10 PERCENT EXCEEDS	266		200		707	
50 PERCENT EXCEEDS	58		64		211	
90 PERCENT EXCEEDS	19		13		24	

e Estimated

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in NW¼NW¼NE¼ sec. 9, T. 2 N., R. 2 W., 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, 2,920 ft^3/s, May 24, gage height, 7.00 ft; minimum daily discharge, 43 ft^3/s, Mar 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	87	e59	e58	e49	52	50	214	1060	274	193	155
2	84	78	e58	e56	e49	53	55	217	1010	288	191	145
3	83	78	e57	e59	e50	53	52	189	942	280	201	140
4	82	79	e56	e55	e53	52	e52	174	759	271	197	133
5	77	80	e56	e54	e54	52	51	178	562	272	215	129
6	75	79	e60	e54	e49	53	54	178	468	268	197	127
7	75	83	e62	e54	e47	55	52	182	602	274	181	125
8	74	81	e59	e53	e47	54	52	200	688	269	196	126
9	73	79	e57	e53	e48	53	49	241	699	285	211	126
10	96	80	e58	e55	e50	54	50	299	726	269	208	122
11	110	79	e55	e55	e51	53	48	424	631	312	199	120
12	91	e75	e56	e58	e50	51	49	537	535	376	195	116
13	87	e71	e57	e57	e50	51	46	649	e510	338	193	119
14	87	e71	e55	e55	e50	51	48	759	344	282	201	125
15	83	e73	e54	e56	e50	49	50	929	311	347	196	116
16	82	e71	e55	e50	e51	48	57	1380	308	293	193	116
17	80	e67	e56	e51	56	46	66	1130	321	260	186	118
18	81	e67	e55	e51	56	43	79	1000	337	246	183	125
19	82	e67	e54	e53	56	43	86	825	330	235	179	113
20	80	e65	e54	e53	56	45	86	1050	321	223	179	106
21	82	e65	e55	e53	56	47	75	888	329	218	182	102
22	82	e64	e55	e52	55	50	70	774	340	228	182	101
23	81	e66	e56	e53	56	51	66	971	341	222	168	100
24	83	e66	e57	e56	55	50	65	1560	368	218	148	97
25	82	e66	e58	e56	55	51	71	1430	370	215	145	96
26	81	e66	e54	e56	54	51	92	1370	334	213	141	95
27	84	e62	e54	e55	53	49	109	1330	320	213	137	91
28	90	e63	e54	e54	52	48	122	1210	312	209	136	88
29	86	e62	e55	e53	---	48	136	1060	298	202	136	87
30	91	e61	e56	e53	---	48	162	1150	285	199	139	88
31	92	---	e57	e51	---	49	---	1000	---	197	151	---
TOTAL	2602	2151	1744	1682	1458	1553	2100	23498	14761	7996	5559	3447
MEAN	83.9	71.7	56.3	54.3	52.1	50.1	70.0	758	492	258	179	115
MAX	110	87	62	59	56	55	162	1560	1060	376	215	155
MIN	73	61	54	50	47	43	46	174	285	197	136	87
AC-FT	5160	4270	3460	3340	2890	3080	4170	46610	29280	15860	11030	6840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	84.7	55.1	39.2	36.7	33.5	34.6	45.7	339	629	327	182	160
MAX	179	109	86.2	62.1	55.0	50.1	70.0	758	1484	852	355	305
(WY)	1998	1999	1999	1999	1998	2001	2001	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1991 - 2001	
ANNUAL TOTAL	38826		68551			
ANNUAL MEAN	106		188		164	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	814	May 5	1560	May 24	3000	Jun 15 1995
LOWEST DAILY MEAN	30	Jan 4	43	Mar 18	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	32	Jan 4	46	Mar 15	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	77010		136000		118900	
10 PERCENT EXCEEDS	203		369		364	
50 PERCENT EXCEEDS	79		82		60	
90 PERCENT EXCEEDS	36		51		26	

e Estimated

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'37", long 109°55'54", in SE¼SW¼SW¼ 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 northeast 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 16	1845	*1,050	*5.29	No other peak greater than base discharge.			

Minimum discharge, 18 ft^3/s, Mar 15.

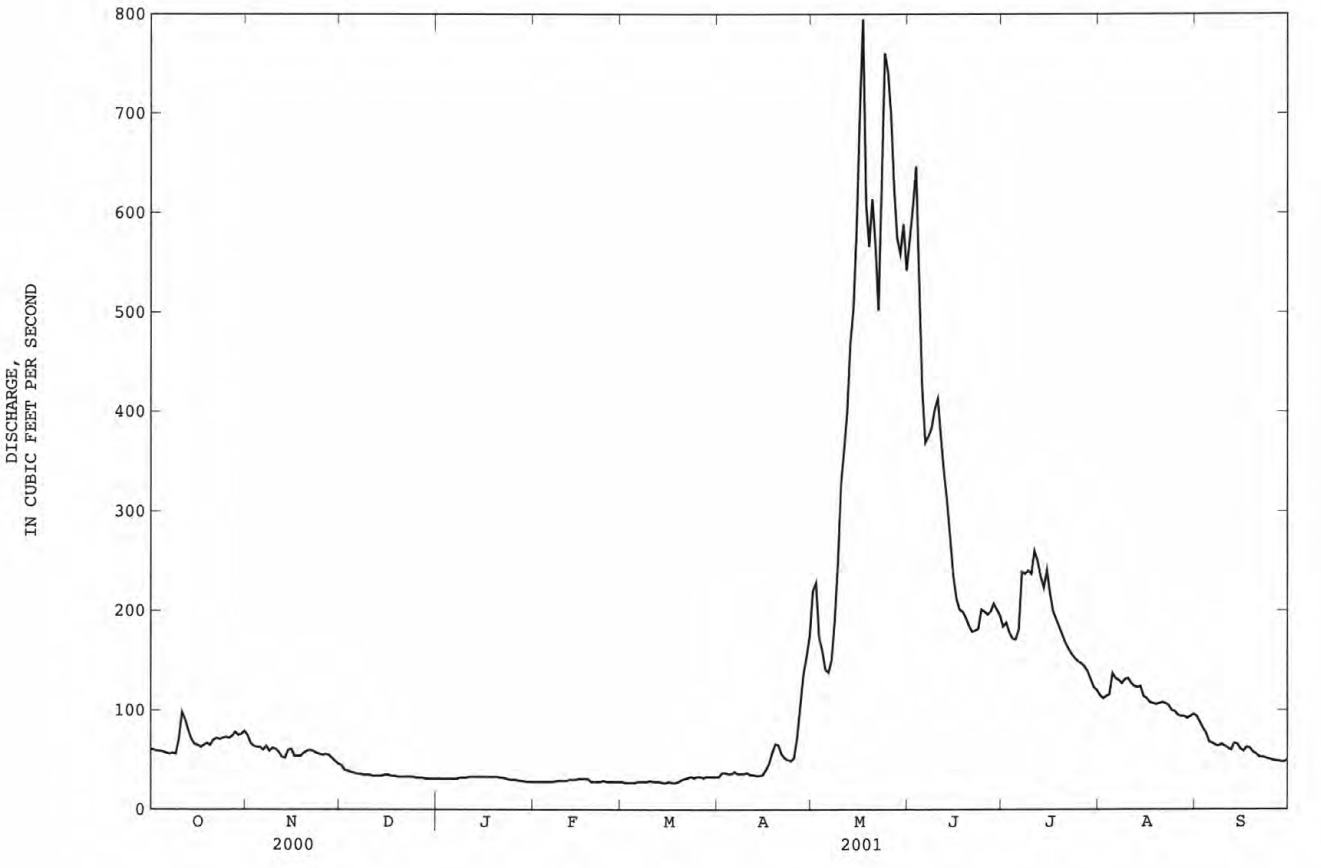
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	75	45	e31	e28	28	33	220	574	184	115	e94
2	60	67	e40	e31	e28	27	37	228	606	188	112	e88
3	59	64	e39	e31	e28	27	37	173	647	178	114	e82
4	59	63	e38	e31	e28	27	36	160	533	172	116	e77
5	58	63	e37	e31	e28	27	36	141	423	171	137	e68
6	57	60	e36	e31	e28	28	38	138	369	181	132	67
7	56	64	e36	e31	e28	28	36	151	375	239	130	65
8	57	59	e35	e32	e29	28	36	191	383	237	127	64
9	56	62	e35	e32	e29	28	36	249	402	240	131	66
10	71	61	e35	e32	e29	29	37	327	413	237	132	64
11	98	58	e34	e33	e29	28	35	361	374	260	127	62
12	91	53	e34	e33	e30	28	35	400	338	250	124	60
13	80	52	e34	e33	e30	28	34	469	309	234	123	67
14	71	60	e34	e33	e30	27	34	504	272	223	124	66
15	66	61	e35	e33	e31	27	35	585	235	241	114	61
16	65	54	e35	e33	e31	28	40	702	212	217	112	59
17	63	54	e34	e33	e31	27	46	795	201	199	108	63
18	65	54	e34	e33	e31	27	57	610	199	191	107	62
19	67	57	e33	e33	28	28	66	566	193	183	106	58
20	65	59	e33	e33	28	30	65	614	185	175	107	56
21	70	60	e33	e32	28	31	56	569	179	167	108	53
22	72	59	e33	e32	28	32	52	502	180	161	107	53
23	71	e57	e33	e31	29	33	50	630	182	156	105	52
24	72	56	e33	e30	28	32	49	761	201	152	100	51
25	73	55	e32	e30	28	33	52	742	199	149	99	50
26	72	56	e32	e30	28	33	73	698	196	147	95	49
27	74	55	e32	e29	28	32	105	623	199	144	94	49
28	78	52	e31	e29	28	33	136	574	207	139	94	48
29	75	49	e31	e28	---	33	154	559	201	131	92	48
30	76	46	e31	e28	---	33	175	589	195	123	94	50
31	79	---	e31	e28	---	33	---	542	---	120	e96	---
TOTAL	2137	1745	1068	970	807	913	1711	14373	9182	5789	3482	1852
MEAN	68.9	58.2	34.5	31.3	28.8	29.5	57.0	464	306	187	112	61.7
MAX	98	75	45	33	31	33	175	795	647	260	137	94
MIN	56	46	31	28	28	27	33	138	179	120	92	48
AC-FT	4240	3460	2120	1920	1600	1810	3390	28510	18210	11480	6910	3670
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)												
MEAN	68.3	45.4	34.8	29.7	27.2	28.0	48.4	281	399	182	125	94.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1930 - 2001	
ANNUAL TOTAL	32125		44029			
ANNUAL MEAN	87.8		121		114	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					42.0	1934
HIGHEST DAILY MEAN	570	May 5	795	May 17	2300	Jun 22 1983
LOWEST DAILY MEAN	25	Jan 28	27	Mar 2	14	Feb 24 1977
ANNUAL SEVEN-DAY MINIMUM	27	Jan 27	27	Feb 27	15	Jan 20 1991
ANNUAL RUNOFF (AC-FT)	63720		87330		82580	
10 PERCENT EXCEEDS	187		265		250	
50 PERCENT EXCEEDS	60		60		51	
90 PERCENT EXCEEDS	28		28		25	

e Estimated



09301500 UINTA RIVER AT RANDLETT, UT

LOCATION.--Lat 40°14'01", long 109°48'11", in SE¼NE¼SE¼ 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, 1,490 ft^3/s, May 17, gage height, 7.13 ft; minimum daily discharge, 6.2 ft^3/s, Sep 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	54	e51	e28	e29	103	22	34	690	34	13	39
2	15	55	e50	e28	e31	113	20	27	716	31	13	43
3	17	49	e50	e27	e33	115	24	31	738	28	19	38
4	18	46	e49	e27	e35	110	25	55	551	25	24	33
5	21	47	e49	e27	e37	100	23	48	342	29	25	33
6	16	48	e48	e27	e38	104	20	41	181	31	22	22
7	15	48	e48	e26	e36	110	22	38	91	32	19	23
8	20	44	e48	e27	e35	108	28	36	73	37	21	14
9	23	41	e48	e26	e36	107	33	38	88	40	24	20
10	19	54	e49	e26	e37	109	34	50	88	43	20	25
11	26	59	e50	e25	e38	154	42	62	92	42	20	27
12	59	57	e49	e25	e39	150	43	46	81	47	23	27
13	49	50	e47	e26	e40	128	49	111	78	36	27	23
14	38	43	e46	e27	e42	105	39	260	85	42	27	19
15	32	44	e46	e27	e40	89	36	446	72	41	36	20
16	31	e43	e45	e27	e39	83	39	751	52	48	39	17
17	32	e42	e45	e26	e38	76	42	1240	54	43	34	19
18	27	e41	e45	e26	e50	63	43	1070	59	41	31	17
19	25	e41	e44	e27	e60	56	43	910	43	38	27	15
20	24	e40	e43	e27	e80	57	51	919	43	42	20	16
21	31	e41	e42	e26	e100	63	51	933	48	39	19	10
22	34	e41	e41	e27	e100	58	57	760	44	30	23	7.7
23	38	e42	e40	e28	e100	55	60	724	41	27	22	8.1
24	37	e43	e39	e30	e97	52	51	941	38	23	28	6.5
25	35	e45	e37	e31	e100	50	40	1210	44	17	31	6.2
26	36	e46	e35	e32	e110	51	28	1200	51	19	27	6.7
27	35	e48	e34	e31	e113	41	24	1100	50	23	24	12
28	39	e49	e32	e30	101	35	21	1040	48	20	24	14
29	43	e50	e30	e29	---	32	25	877	44	16	22	16
30	41	e51	e28	e28	---	28	32	798	40	18	41	16
31	43	---	e29	e27	---	24	---	699	---	18	41	---
TOTAL	937	1402	1337	851	1634	2529	1067	16495	4665	1000	786	593.2
MEAN	30.2	46.7	43.1	27.5	58.4	81.6	35.6	532	156	32.3	25.4	19.8
MAX	59	59	51	32	113	154	60	1240	738	48	41	43
MIN	15	40	28	25	29	24	20	27	38	16	13	6.2
AC-FT	1860	2780	2650	1690	3240	5020	2120	32720	9250	1980	1560	1180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977-81, 1998-2001, BY WATER YEAR (WY)

MEAN	68.5	77.3	60.5	57.7	87.7	97.1	57.0	173	481	94.0	48.8	77.9
MAX	208	292	185	153	189	223	134	532	1411	455	150	297
(WY)	1999	1999	1999	1999	1999	1979	1998	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1977-81, 1998-2001	
ANNUAL TOTAL	22708.1		33296.2			
ANNUAL MEAN	62.0		91.2		98.2	
HIGHEST ANNUAL MEAN					284	1999
LOWEST ANNUAL MEAN					23.8	1977
HIGHEST DAILY MEAN	257	May 6	1240	May 17	3000	Jun 18 1998
LOWEST DAILY MEAN	7.2	Aug 9	6.2	Sep 25	5.3	Jul 14 1977
ANNUAL SEVEN-DAY MINIMUM	12	Aug 3	8.2	Sep 21	7.2	Jul 13 1977
ANNUAL RUNOFF (AC-FT)	45040		66040		71180	
10 PERCENT EXCEEDS	135		107		215	
50 PERCENT EXCEEDS	48		39		43	
90 PERCENT EXCEEDS	17		20		16	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT

LOCATION.--Lat 40°12'56", long 109°46'58", in SW¼SW¼SW¼ 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, 2,910 ft^3/s, May 25, gage height, 7.50 ft; minimum daily discharge, 20 ft^3/s, Sep 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	119	109	e240	e150	256	68	90	1230	75	23	51
2	77	123	111	e240	e150	258	64	74	1300	67	23	53
3	70	102	122	e240	e160	260	68	108	1280	62	25	46
4	56	93	163	e235	e170	257	74	285	907	56	44	41
5	58	92	165	e230	e190	236	68	306	557	56	42	44
6	56	92	180	e232	e210	252	61	261	326	58	50	38
7	53	92	209	e231	e205	265	67	218	190	52	46	38
8	55	90	e230	e230	e180	264	73	161	150	60	37	29
9	56	87	e235	e220	e190	265	80	133	166	71	40	31
10	54	100	e243	e210	e200	286	84	183	151	68	34	34
11	86	113	e230	e202	e200	424	94	188	156	72	31	39
12	139	109	e225	e210	e219	384	99	205	139	79	29	37
13	115	95	e220	e211	e211	306	110	301	132	60	33	31
14	93	78	e225	e200	e210	256	110	476	159	65	38	35
15	76	85	e230	e200	e190	227	123	652	124	78	54	45
16	68	85	e235	e190	e200	204	151	972	103	83	68	46
17	69	88	e245	e180	e210	198	196	1870	112	74	56	48
18	65	e92	e235	e170	e220	177	227	1740	124	67	51	53
19	61	e94	e230	e173	e250	166	223	1400	109	80	53	47
20	59	e95	e220	e160	e270	161	225	1290	117	70	46	48
21	63	e100	e228	e170	e300	168	178	1270	120	62	51	44
22	66	e112	e230	e170	e280	144	204	959	113	55	54	39
23	73	e122	e231	e180	e240	137	227	817	114	58	48	41
24	72	e123	e239	e190	e260	131	195	1420	113	48	45	43
25	72	e119	e240	e200	e280	123	161	2430	122	40	48	39
26	71	e125	e248	e190	e270	116	120	2440	120	36	53	33
27	70	127	e241	e190	e260	95	70	2240	113	43	49	30
28	78	137	e239	e180	264	86	60	2050	108	40	47	21
29	101	118	e240	e162	---	77	76	1740	100	34	39	20
30	100	122	e229	e150	---	75	81	1590	93	33	53	27
31	101	---	e239	e139	---	74	---	1300	---	32	52	---
TOTAL	2312	3129	6666	6125	6139	6328	3637	29169	8648	1834	1362	1171
MEAN	74.6	104	215	198	219	204	121	941	288	59.2	43.9	39.0
MAX	139	137	248	240	300	424	227	2440	1300	83	68	53
MIN	53	78	109	139	150	74	60	74	93	32	23	20
AC-FT	4590	6210	13220	12150	12180	12550	7210	57860	17150	3640	2700	2320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

MEAN	317	389	414	402	442	492	406	981	1889	507	213	232
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	62751		76520			
ANNUAL MEAN	171		210		556	
HIGHEST ANNUAL MEAN					1736	1983
LOWEST ANNUAL MEAN					76.4	1990
HIGHEST DAILY MEAN	484	Mar 29	2440	May 26	11500	Jun 20 1983
LOWEST DAILY MEAN	33	Aug 9	20	Sep 29	3.2	Aug 9 1961
ANNUAL SEVEN-DAY MINIMUM	37	Aug 5	30	Jul 28	4.2	Aug 7 1961
ANNUAL RUNOFF (AC-FT)	124500		151800		402800	
10 PERCENT EXCEEDS	361		267		1120	
50 PERCENT EXCEEDS	112		118		337	
90 PERCENT EXCEEDS	51		43		58	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1950 to September 1951, November 1956 to September 1980, June 1981 to current year.
WATER 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, 30.0°C, Jul 9, 2001; minimum, 0.0°C, on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 2,430 microsiemens, Sep 28; minimum observed, 280 microsiemens, May 20, 21.
WATER TEMPERATURE: Maximum recorded, 30.0°C, Jul 9; minimum recorded, 0.0°C, on many days during winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	GAGE HEIGHT (FEET) (00065)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT								
03...	1000	79	8.5	1520	13.5	14.0	2.36	1070
NOV								
13...	1630	97	8.5	1630	2.0	2.5	2.44	1160
JAN								
02...	1600	240	8.6	1020	3.0	0	--	682
FEB								
27...	1700	277	8.6	1060	4.0	1.5	3.15	674
APR								
10...	1720	83	8.5	1890	15.0	11.0	2.42	1390
MAY								
14...	1710	583	8.1	610	28.5	19.5	4.11	392
24...	1620	--	8.2	405	29.0	18.0	6.23	248
JUL								
16...	1550	79	8.5	1670	--	25.5	2.44	1140
SEP								
14...	1110	--	--	1700	--	18.5	2.19	1230

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1850	1680	1030	1130	1190	1100	1780	1280	870	1360	1850	1590
2	1720	1670	1030	1160	970	1410	1090	1280	870	1360	1690	1580
3	1730	1690	1450	1260	1170	1410	1090	1270	870	1360	1850	1590
4	1800	1690	1450	1260	910	1410	1030	1270	1150	1660	1600	1730
5	1740	1670	1030	1250	1190	1410	1090	1260	1160	1660	1950	1680
6	1720	1660	1030	1260	960	1410	1030	1280	1160	1660	1970	2000
7	1810	1680	1440	1260	970	1410	1090	1260	1150	1660	1610	2010
8	1740	1700	1450	1260	1170	1210	1090	1240	1260	1720	1690	1680
9	1740	1690	1430	1160	900	1210	1320	1290	1260	1720	1680	2020
10	1750	1670	1030	1530	970	1190	1320	1290	1150	1770	1690	1950
11	1730	1520	680	1450	970	1200	1320	1440	1260	1750	1860	1720
12	1750	1560	570	1440	1170	1200	1320	1440	1270	1760	1970	2000
13	1720	1560	620	1170	910	1200	1320	435	1260	1750	1660	2010
14	1880	1540	660	1260	970	1780	1320	435	1260	1650	1600	2020
15	1900	850	390	1440	910	1410	1030	435	1480	1920	1850	2010
16	1880	1030	980	1450	880	1410	1030	450	1480	1670	1910	2040
17	1870	730	1020	1170	880	1420	1030	285	1480	1680	1570	2010
18	1880	630	1020	1520	880	1790	1030	290	1480	1680	1630	2040
19	1850	1230	1010	1440	880	1560	1630	285	1480	1910	1640	2010
20	1600	1230	1020	1440	880	1520	1630	280	1480	1930	1630	2040
21	1620	1200	1020	1170	880	1420	1630	280	1560	1660	1640	2020
22	1600	1230	1040	1540	920	1420	1620	560	1560	1660	1660	1950
23	1600	1220	1040	1450	920	1540	1620	560	1560	1930	1560	2010
24	1620	1220	1030	1450	920	1540	1620	570	1360	1910	1630	2040
25	1600	1360	1010	1530	920	1760	1260	560	1560	1940	1660	2000
26	1590	1330	1040	1530	920	1390	1250	560	1560	1920	1600	1990
27	1590	1330	1040	1450	920	1510	1250	560	1560	1950	1590	2370
28	1580	1330	1010	1440	1100	1780	1240	560	1360	1840	1710	2430
29	1580	1330	1040	1140	---	1520	1240	870	1360	1670	1660	2400
30	1580	1330	1040	900	---	1770	1240	870	1650	1850	1690	2400
31	1570	---	1040	900	---	1090	---	870	---	1570	1580	---
MAX	1900	1700	1450	1540	1190	1790	1780	1440	1650	1950	1970	2430
MIN	1570	630	390	900	880	1090	1030	280	870	1360	1560	1580

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.0	8.5	.0	1.0	.5	1.5	10.0	12.0	19.5	22.5	22.5	21.0
2	10.0	5.5	.0	.5	1.0	1.5	10.0	12.0	18.5	22.5	24.5	21.0
3	10.0	5.5	1.0	.5	.5	1.5	10.0	12.0	17.5	22.5	24.5	21.0
4	11.5	4.0	.0	1.5	1.0	2.0	10.0	12.5	17.5	23.5	24.5	21.0
5	11.5	5.0	.0	.5	.5	2.0	10.5	15.5	20.0	22.0	24.0	21.5
6	9.0	3.5	.0	1.5	1.0	2.0	10.0	15.0	20.0	22.0	24.5	19.0
7	12.0	4.0	1.0	.5	.5	2.0	14.0	15.5	20.0	22.0	24.5	20.5
8	9.5	3.5	.0	1.0	1.0	2.0	11.0	15.5	25.0	22.0	24.0	19.5
9	11.5	3.5	.0	1.0	.5	3.5	11.0	16.0	20.5	22.5	22.5	19.5
10	11.5	5.0	.5	2.0	1.0	4.0	11.5	16.0	25.0	22.5	22.5	19.5
11	9.5	5.0	1.0	1.0	1.0	4.0	15.0	16.0	25.0	23.0	23.0	19.0
12	9.5	1.0	.0	2.0	.5	6.0	15.0	16.0	25.0	23.0	22.0	19.0
13	10.5	1.0	1.0	3.0	.5	6.0	15.0	15.5	21.0	25.5	24.5	15.0
14	9.0	4.5	.0	1.5	1.0	6.5	15.0	16.0	22.0	23.5	22.5	15.5
15	9.0	1.0	.0	3.0	.5	7.5	15.0	16.0	22.0	23.5	22.0	15.0
16	9.0	1.5	1.0	3.0	.5	8.0	15.0	16.0	25.0	22.5	22.0	15.5
17	10.5	1.5	.0	2.5	1.0	8.0	15.0	19.0	21.5	22.5	21.5	15.5
18	10.5	1.0	.0	1.0	.5	8.5	14.0	19.5	24.5	26.0	22.0	15.5
19	9.0	1.0	.0	1.0	1.0	10.0	14.0	19.5	25.0	22.0	21.5	17.5
20	9.0	1.0	1.0	1.0	.5	10.0	10.5	19.5	22.5	25.0	21.5	15.0
21	9.0	1.0	1.0	1.5	1.0	8.0	11.0	19.5	22.5	26.5	24.0	14.0
22	9.0	1.0	1.0	1.0	1.0	8.0	11.0	19.5	23.0	22.5	21.0	14.0
23	10.5	1.0	1.0	1.0	1.5	10.0	11.5	19.0	23.5	25.5	20.0	14.5
24	9.5	1.0	.5	1.5	1.5	10.0	14.5	19.0	23.5	26.5	20.0	15.0
25	9.0	1.0	.5	1.0	1.0	10.0	14.5	18.5	22.5	22.0	20.0	15.5
26	8.5	.0	.5	1.0	1.0	10.0	16.0	19.5	22.5	22.0	21.0	15.0
27	5.5	.0	.5	2.0	1.0	10.0	15.0	19.5	23.0	26.5	21.0	12.5
28	8.5	.0	.5	2.0	1.0	10.0	16.0	19.5	21.5	24.5	21.0	12.5
29	5.5	1.0	1.0	2.0	---	11.0	14.0	19.5	21.5	22.5	21.0	13.0
30	8.5	.0	.5	.5	---	11.0	13.5	19.5	22.0	24.5	21.0	13.0
31	8.5	---	.5	1.5	---	10.0	---	19.0	---	24.5	21.0	---
MAX	12.0	8.5	1.0	3.0	1.5	11.0	16.0	19.5	25.0	26.5	24.5	21.5
MIN	5.5	.0	.0	.5	.5	1.5	10.0	12.0	17.5	22.0	20.0	12.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.3	13.1	15.7	9.3	6.8	7.9	.6	.0	.1	.0	.0	.0
2	18.0	13.0	15.6	7.5	4.8	6.2	.5	.0	.1	.0	.0	.0
3	18.1	13.3	15.8	7.4	4.1	5.7	.4	.0	.1	.0	.0	.0
4	17.2	12.7	15.0	6.6	3.2	4.9	.3	.0	.0	.0	.0	.0
5	16.4	11.4	13.9	5.4	3.2	4.4	.2	.0	.0	.0	.0	.0
6	15.5	10.8	13.2	5.0	2.4	3.6	.1	.0	.0	.0	.0	.0
7	14.8	10.0	12.5	4.4	2.2	3.2	.1	.0	.0	.0	.0	.0
8	14.1	9.5	11.9	3.4	.9	2.4	.0	.0	.0	.0	.0	.0
9	14.4	9.4	11.9	4.5	2.2	3.4	.0	.0	.0	.0	.0	.0
10	13.2	10.7	12.0	4.8	2.8	3.7	.0	.0	.0	.0	.0	.0
11	12.1	10.0	11.0	3.4	2.0	2.7	.0	.0	.0	.0	.0	.0
12	12.5	9.2	10.7	3.3	1.2	2.0	.0	.0	.0	.0	.0	.0
13	10.8	8.1	9.6	2.3	.1	1.2	.0	.0	.0	.0	.0	.0
14	12.1	7.5	9.7	1.7	.0	.8	.0	.0	.0	.0	.0	.0
15	12.5	8.0	10.2	2.5	.0	1.1	.0	.0	.0	.0	.0	.0
16	12.7	8.2	10.4	1.4	.0	.4	.0	.0	.0	.0	.0	.0
17	12.7	8.2	10.4	.8	.0	.1	.0	.0	.0	.0	.0	.0
18	12.8	8.2	10.5	.6	.0	.1	.0	.0	.0	.0	.0	.0
19	12.8	8.5	10.7	.6	.0	.1	.0	.0	.0	.0	.0	.0
20	13.0	8.5	10.8	.5	.0	.1	.0	.0	.0	.0	.0	.0
21	10.9	8.6	9.7	.4	.0	.1	.0	.0	.0	.0	.0	.0
22	12.0	9.1	10.3	.4	.0	.1	.0	.0	.0	.0	.0	.0
23	10.8	8.4	9.7	.4	.0	.0	.0	.0	.0	.0	.0	.0
24	12.8	9.1	10.6	.6	.0	.1	.0	.0	.0	.0	.0	.0
25	12.5	8.7	10.6	.3	.0	.1	.0	.0	.0	.0	.0	.0
26	11.0	8.5	9.9	.6	.0	.1	.0	.0	.0	.0	.0	.0
27	10.5	8.7	9.6	1.0	.0	.3	.0	.0	.0	.0	.0	.0
28	11.2	8.9	9.9	.7	.0	.2	.0	.0	.0	.0	.0	.0
29	10.0	7.8	9.1	.6	.0	.2	.0	.0	.0	.0	.0	.0
30	10.6	8.3	9.3	1.2	.0	.4	.0	.0	.0	.0	.0	.0
31	9.4	8.0	8.7	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	18.3	7.5	11.3	9.3	.0	1.9	.6	.0	.0	.0	.0	.0

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.0	.0	.0	4.6	.8	2.5	14.0	7.9	11.0	17.6	13.8	15.9
2	.0	.0	.0	5.6	2.0	3.7	14.6	10.6	12.5	14.8	9.9	11.7
3	.0	.0	.0	6.2	2.7	4.2	12.9	9.8	11.4	12.8	7.2	9.8
4	.0	.0	.0	6.7	2.9	4.8	12.5	9.7	11.2	12.8	9.0	10.9
5	.0	.0	.0	6.7	3.6	5.1	14.3	9.3	11.8	16.5	10.1	13.0
6	.0	.0	.0	7.5	3.7	5.5	12.8	9.9	11.3	17.1	10.9	13.8
7	.0	.0	.0	8.3	4.0	6.1	10.7	8.5	9.4	18.2	11.0	14.5
8	.0	.0	.0	9.2	4.4	6.7	10.7	7.0	8.8	20.6	12.8	16.5
9	.0	.0	.0	8.5	5.1	6.8	12.2	5.8	9.0	20.4	14.4	17.3
10	.0	.0	.0	9.2	6.4	7.4	12.2	7.8	9.7	20.6	15.5	18.0
11	.0	.0	.0	7.1	5.4	6.1	12.8	6.9	9.9	21.2	13.9	17.4
12	.0	.0	.0	8.2	4.0	6.0	11.0	7.6	9.8	22.0	15.0	18.4
13	.0	.0	.0	9.0	4.5	6.6	11.4	5.5	8.4	21.1	16.2	18.5
14	.0	.0	.0	8.3	5.0	6.5	13.5	7.9	10.5	19.6	15.3	17.6
15	.0	.0	.0	8.4	3.2	5.7	15.4	7.9	11.5	18.0	15.5	16.1
16	.0	.0	.0	6.9	4.9	5.8	16.8	9.6	13.1	16.2	14.1	15.2
17	.0	.0	.0	9.3	3.5	6.2	18.0	10.8	14.2	16.2	12.5	14.0
18	.0	.0	.0	10.4	4.6	7.3	17.8	12.2	14.9	14.2	11.2	12.9
19	.0	.0	.0	11.6	5.4	8.3	17.4	12.4	14.8	17.6	12.4	14.7
20	.0	.0	.0	11.6	6.7	9.2	14.6	11.0	12.4	17.3	13.9	15.3
21	.2	.0	.0	12.9	7.9	10.4	13.2	9.4	11.0	15.2	10.9	13.2
22	.3	.0	.1	14.9	8.8	11.7	13.0	9.3	11.2	16.7	11.6	14.1
23	.2	.0	.0	14.0	10.0	12.0	14.8	8.0	11.2	18.6	13.6	16.0
24	.6	.0	.2	14.4	9.2	11.9	16.9	9.6	13.1	19.1	14.7	17.0
25	1.1	.0	.3	14.7	9.4	12.0	18.8	11.4	14.9	18.1	14.6	16.3
26	.9	.0	.3	14.5	9.6	11.9	20.2	13.0	16.6	16.7	13.6	15.2
27	1.6	.0	.6	13.8	8.1	10.6	20.5	14.2	17.4	16.9	13.4	15.2
28	2.7	.2	1.3	13.7	7.3	10.2	20.6	15.9	18.4	16.4	13.7	14.5
29	---	---	---	12.5	8.4	10.5	19.0	15.4	17.1	17.5	12.3	14.7
30	---	---	---	13.7	8.2	10.9	19.6	12.6	16.0	17.8	14.0	16.0
31	---	---	---	13.9	7.4	10.5	---	---	---	18.7	13.9	16.4
MONTH	2.7	.0	.1	14.9	.8	7.8	20.6	5.5	12.4	22.0	7.2	15.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.7	15.1	17.5	26.0	21.6	24.2	---	---	---	23.3	17.5	20.1
2	19.3	15.8	17.2	27.4	21.1	24.3	---	---	---	24.0	17.5	20.6
3	17.2	13.9	15.7	29.5	21.1	25.2	---	---	---	24.9	18.4	21.5
4	17.1	12.9	15.3	29.3	22.1	25.8	28.5	21.5	24.8	23.9	18.9	21.4
5	17.5	13.5	15.6	29.1	22.8	25.5	29.2	21.8	25.4	24.1	18.8	21.4
6	21.0	15.5	18.1	29.6	22.3	25.7	28.6	22.3	25.4	21.5	15.3	18.8
7	23.7	16.4	19.8	28.7	22.7	25.4	29.0	22.8	25.4	19.9	13.6	16.3
8	23.7	17.9	20.9	29.9	22.7	26.2	29.1	22.5	25.5	19.2	12.2	15.5
9	24.7	18.8	21.7	30.0	23.6	26.5	28.5	22.9	25.1	19.9	12.0	15.6
10	24.2	18.7	21.4	28.6	23.7	25.6	28.1	21.1	24.4	20.4	13.1	16.6
11	23.5	18.2	21.0	27.8	21.6	24.3	28.5	19.6	24.1	21.0	14.2	17.6
12	21.3	15.5	18.7	27.7	21.0	24.1	28.7	15.3	22.8	21.2	16.0	18.7
13	17.9	12.6	15.3	24.1	21.0	22.4	22.8	17.5	20.5	21.6	17.4	19.4
14	19.4	12.6	15.7	23.2	19.3	21.1	25.0	19.2	21.9	22.8	16.8	19.6
15	21.1	13.6	17.3	26.0	19.5	22.0	23.1	18.9	21.3	22.1	16.3	19.2
16	23.9	15.8	19.8	25.5	19.0	22.1	24.1	18.3	21.2	20.1	16.7	18.6
17	24.7	17.9	21.2	25.2	18.8	21.9	25.1	18.6	21.8	19.9	16.6	18.3
18	23.3	17.9	20.6	25.8	18.7	22.3	24.8	18.9	21.8	21.0	15.2	18.0
19	24.4	17.0	20.7	26.0	19.4	22.7	24.5	19.0	21.4	21.0	15.2	18.1
20	25.9	18.5	22.2	26.1	19.8	23.0	24.3	19.3	21.3	21.0	15.0	18.1
21	26.6	19.3	23.0	26.7	20.0	23.4	23.9	19.3	21.6	21.2	15.1	18.2
22	25.7	20.1	23.2	27.2	19.8	23.6	24.4	18.7	21.4	20.9	15.2	18.2
23	25.7	19.8	22.7	27.5	19.9	23.7	25.7	19.0	22.2	20.7	14.9	17.9
24	25.5	20.3	22.7	27.4	20.5	23.9	23.4	19.1	21.4	20.1	14.8	17.5
25	25.8	19.7	22.8	26.5	20.6	23.4	25.0	17.9	21.4	20.0	14.4	17.2
26	23.4	20.5	21.8	25.0	19.9	22.6	25.4	18.3	21.8	20.5	14.8	17.4
27	25.4	18.7	22.0	26.6	19.2	22.9	25.6	19.0	22.1	21.3	14.5	17.2
28	28.1	20.5	24.2	27.6	20.0	23.4	25.7	18.9	22.2	24.1	9.6	15.7
29	28.8	21.5	25.1	28.0	19.3	23.8	24.8	19.4	22.0	22.9	7.6	14.4
30	29.1	21.5	25.3	27.5	20.0	22.6	23.4	19.0	21.0	23.1	10.5	15.6
31	---	---	---	---	---	---	22.6	18.3	20.2	---	---	---
MONTH	29.1	12.6	20.3	30.0	18.7	23.8	29.2	15.3	22.6	24.9	7.6	18.1
YEAR	30.0	.0	11.1									

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

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	9.5	5.5	3.0	2.5	1.0	6.0	12.5	12.5	20.5	25.0	28.0	24.0
2	13.0	5.0	3.0	2.5	1.0	5.5	9.0	21.0	20.5	20.0	25.0	24.0
3	13.0	4.5	2.5	2.5	1.0	5.5	9.5	12.0	20.0	23.0	25.5	22.5
4	10.0	5.0	2.5	2.5	1.0	12.0	16.5	21.5	20.0	20.0	26.0	24.0
5	10.0	5.0	1.0	3.0	1.0	5.5	14.0	21.5	20.0	25.0	28.0	24.0
6	13.0	5.0	1.0	2.5	1.0	6.5	9.5	21.0	20.0	20.0	28.0	24.0
7	12.0	4.0	1.0	2.5	1.0	4.5	9.5	20.0	19.5	25.0	25.0	23.5
8	10.0	4.0	.0	2.5	1.0	6.5	13.0	12.0	19.0	25.0	28.0	23.5
9	12.0	4.5	.0	2.5	2.5	6.5	13.0	12.5	19.0	23.5	28.0	23.0
10	12.0	4.0	.0	2.5	2.5	6.5	13.5	19.5	19.5	23.5	25.5	23.5
11	14.0	---	.0	2.5	3.0	7.0	11.5	19.0	20.0	23.0	27.5	21.5
12	14.5	---	.0	2.5	2.0	10.5	15.0	21.0	22.0	23.0	26.5	22.5
13	14.0	---	.0	2.5	4.0	11.0	13.5	21.0	22.0	23.0	28.0	23.5
14	14.0	---	.0	2.5	2.0	6.0	15.5	20.0	22.0	24.0	26.0	23.5
15	6.0	---	2.0	1.5	5.0	6.0	15.5	20.5	24.5	24.5	25.5	23.5
16	8.5	---	2.5	2.0	4.5	6.0	10.5	19.5	24.5	24.0	27.0	23.0
17	5.0	---	2.5	1.5	4.5	6.0	15.0	19.0	24.0	28.0	27.5	15.0
18	11.5	---	2.0	1.5	3.5	4.5	13.5	23.0	17.5	28.0	25.0	15.5
19	5.0	---	1.5	3.0	5.5	6.5	10.5	23.0	18.0	28.0	27.0	15.0
20	8.5	---	1.0	2.5	5.5	4.5	15.5	23.5	25.0	28.0	26.0	15.5
21	9.0	---	1.0	2.5	4.0	6.0	16.0	23.0	25.5	27.5	26.0	14.5
22	11.5	---	.0	2.5	4.0	4.0	14.5	23.0	25.5	28.0	24.0	14.5
23	8.5	---	.0	2.5	6.0	6.5	17.0	23.0	20.0	28.0	26.0	12.5
24	11.5	---	3.0	2.5	6.0	7.0	16.5	19.5	20.0	27.5	26.0	12.0
25	8.5	---	2.5	3.0	6.0	11.0	17.0	20.5	22.0	27.5	24.0	10.5
26	9.0	---	2.5	3.0	3.5	11.0	14.0	20.0	20.0	28.0	24.5	10.5
27	9.0	---	3.0	2.5	3.5	11.5	21.5	20.0	25.0	28.0	24.0	13.0
28	6.0	---	3.0	2.5	5.0	11.5	21.5	20.5	20.0	28.0	26.5	10.0
29	6.0	---	3.0	3.0	3.5	11.5	21.0	20.5	25.0	27.5	24.0	11.5
30	6.0	3.5	3.0	1.0	---	7.5	21.0	20.5	20.0	28.0	24.0	11.5
31	5.5	---	2.5	1.0	---	12.0	---	20.5	---	28.0	24.0	---
MAX	14.5	5.5	3.0	3.0	6.0	12.0	21.5	23.5	25.5	28.0	28.0	24.0
MIN	5.0	3.5	.0	1.0	1.0	4.0	9.0	12.0	17.5	20.0	24.0	10.0

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)
May 18	1800	*2,440	*4.89				

Minimum daily discharge, 193 ft^3/s, Sep 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	406	e312	e316	e360	450	411	1110	e1830	429	225	232
2	420	416	e310	e330	e370	433	408	1160	e1830	411	235	217
3	396	423	e309	e325	e378	465	410	1340	e1840	443	239	229
4	385	409	e300	e319	e379	451	433	1270	e1880	460	255	219
5	388	391	e344	e315	e380	470	450	1100	e1870	435	233	210
6	403	402	e328	e330	e370	458	486	1030	e1640	414	232	220
7	402	422	e340	e340	e360	494	514	1100	e1450	393	227	201
8	390	380	e345	e331	e360	531	556	930	e1350	419	289	198
9	391	347	e336	e325	e363	557	533	892	1290	420	565	193
10	398	e310	e335	e291	e368	595	505	992	1270	378	363	232
11	400	e290	e332	e262	e375	655	465	1120	1200	395	327	245
12	431	e280	e320	e291	e375	635	472	1340	1140	569	308	222
13	424	e270	e311	e320	e367	564	476	1480	1070	432	266	219
14	405	e272	e310	e371	e361	531	441	1670	1040	394	484	261
15	398	e304	e300	e330	e365	510	426	1830	982	394	283	246
16	394	e323	e295	e325	e371	458	422	1910	861	421	305	257
17	395	e320	e291	e320	e388	439	408	2040	773	385	300	278
18	391	e327	e250	e319	e392	433	432	2110	700	359	244	371
19	387	e290	e205	e315	e398	405	487	2150	655	321	249	378
20	383	e249	e241	e317	e399	403	589	1990	624	314	239	351
21	380	e280	e250	e321	e395	424	638	1970	582	301	252	331
22	384	e310	e270	e330	e389	463	661	1830	471	292	372	308
23	381	e320	e284	e345	e387	490	676	1580	445	283	407	295
24	391	e350	e290	e360	e392	488	665	1470	434	268	338	292
25	403	e330	e300	e365	e400	487	646	1550	440	272	307	292
26	418	e335	e310	e365	e403	483	628	1670	453	281	280	291
27	411	e330	e300	e362	e405	495	586	1810	420	333	271	277
28	399	e340	e290	e358	407	493	646	1780	511	372	263	285
29	399	e330	e280	e350	---	462	824	1820	504	315	244	288
30	401	e320	e314	e340	---	446	1040	1800	435	277	248	288
31	412	---	e336	e345	---	428	---	e1810	---	240	248	---
TOTAL	12403	10076	9338	10233	10657	15096	16334	47654	29990	11420	9098	7926
MEAN	400	336	301	330	381	487	544	1537	1000	368	293	264
MAX	443	423	345	371	407	655	1040	2150	1880	569	565	378
MIN	380	249	205	262	360	403	408	892	420	240	225	193
AC-FT	24600	19990	18520	20300	21140	29940	32400	94520	59490	22650	18050	15720

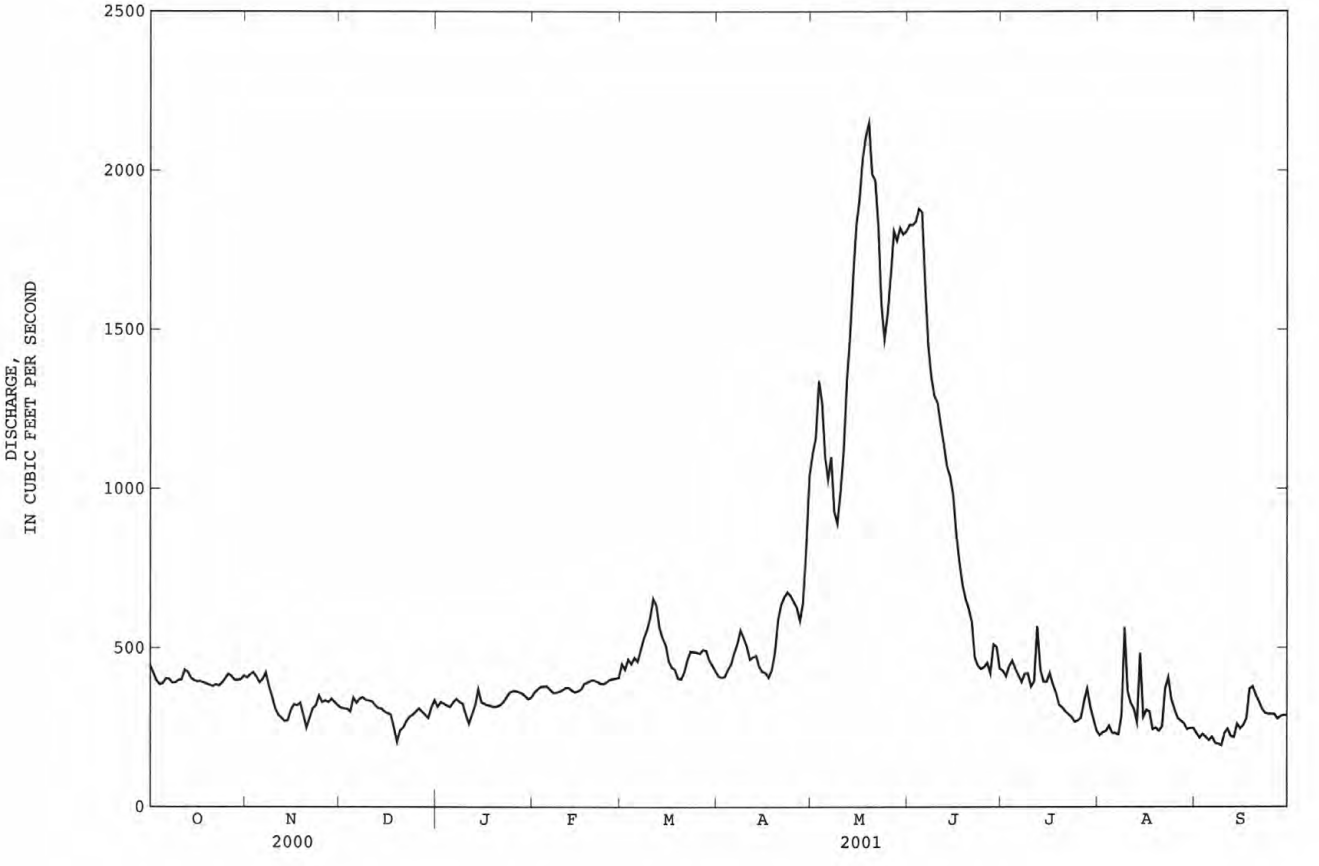
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-79, 1986-2001, BY WATER YEAR (WY)

MEAN	471	431	366	358	428	580	712	1616	1823	727	480	440
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1923-79, 1986-2001	
ANNUAL TOTAL	196115		190225			
ANNUAL MEAN	536		521		702	
HIGHEST ANNUAL MEAN					1736	1929
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	3020	Jun 1	2150	May 19	8160	Jul 15 1929
LOWEST DAILY MEAN	61	Aug 10	193	Sep 9	13	Jul 3 1977
ANNUAL SEVEN-DAY MINIMUM	71	Aug 7	210	Sep 3	33	Jun 28 1977
ANNUAL RUNOFF (AC-FT)	389000		377300		508500	
10 PERCENT EXCEEDS	1030		1110		1600	
50 PERCENT EXCEEDS	408		388		450	
90 PERCENT EXCEEDS	240		262		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 2000 TO SEPTEMBER 2001

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)	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)
OCT													
03...	1500	384	8.6	700	26.0	16.5	--	--	--	--	--	--	--
NOV													
14...	1050	190	9.0	730	-6.0	0	--	--	--	--	--	--	--
JAN													
03...	1010	333	8.7	790	-5.5	0	--	--	--	--	--	--	--
APR													
11...	1130	442	8.7	850	8.5	9.5	315	73.2	32.0	1.71	1.53	62.4	30.0
MAY													
16...	1130	2050	8.1	395	25.5	16.0	--	--	--	--	--	--	--
23...	1050	1650	8.7	340	25.0	14.0	--	--	--	--	--	--	--
JUL													
17...	1010	344	8.5	720	26.0	23.0	--	--	--	--	--	--	--
AUG													
29...	1220	251	8.6	760	27.5	22.5	273	63.5	27.9	2.50	1.39	52.8	29.4
SEP													
13...	1020	--	--	780	--	19.0	--	--	--	--	--	--	--

DATE	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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	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)
OCT													
03...	--	--	--	--	--	--	--	--	--	--	2.27	--	--
NOV													
14...	--	--	--	--	--	--	--	--	--	--	1.95	--	--
JAN													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
11...	190	14.1	.2	11.0	232	.051	E.024	<.006	<.018	.7	2.40	.8	690
MAY													
16...	--	--	--	--	--	--	--	--	--	--	4.42	--	--
23...	--	--	--	--	--	--	--	--	--	--	4.05	--	--
JUL													
17...	--	--	--	--	--	--	--	--	--	--	2.22	--	--
AUG													
29...	191	14.1	.3	11.5	184	<.050	<.040	<.006	<.020	.9	1.96	.6	323
SEP													
13...	--	--	--	--	--	--	--	--	--	--	1.85	--	--

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	BORON, DIS-SOLVED (UG/L AS B) (01020)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
OCT				
03...	478	--	--	--
NOV				
14...	482	--	--	--
JAN				
03...	533	--	--	--
APR				
11...	578	541	58	<2.4
MAY				
16...	244	--	--	--
23...	204	--	--	--
JUL				
17...	478	--	--	--
AUG				
29...	476	471	62	<2.0
SEP				
13...	534	--	--	--

E Estimated value.
< Actual value is known to be less than the value shown.

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT (Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in NW¼NW¼NE¼ sec. 25, T. 13 S., R. 5 E., Sanpete County, Hydrologic Unit 14060007, on right bank 1,000 ft upstream from tunnel portal, 7.3 mi east-northeast of Fairview.

PERIOD OF RECORD.--July 1967 to current year. Seasonal records only. (July to September 1967, gage height only.)

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 8,660 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Fairview Tunnel diverts from San Rafael River and Price River drainages in the Colorado River Basin to San Pitch River in the Great Basin. Due to the location of the gage, reported flow may not be actual flow through tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 66 ft^3/s, Jun 17, 1993, gage height, 2.46 ft; no flow many days each year.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.23	e8.6	3.6	11	7.9	4.8
2	---	---	---	---	---	---	e.40	e5.8	5.9	11	7.8	4.6
3	---	---	---	---	---	---	e.94	e4.7	5.3	10	8.3	4.5
4	---	---	---	---	---	---	e.80	e4.3	4.7	11	8.6	3.7
5	---	---	---	---	---	---	e.88	e4.2	3.6	11	8.7	3.6
6	---	---	---	---	---	---	e.54	e4.9	2.7	11	8.5	3.6
7	---	---	---	---	---	---	e.37	e6.0	2.4	10	8.5	3.6
8	---	---	---	---	---	---	e.34	e6.8	2.2	7.7	8.5	3.5
9	---	---	---	---	---	---	e.32	e7.4	2.1	7.7	8.3	3.3
10	---	---	---	---	---	---	e.36	e7.2	2.0	7.7	8.2	3.1
11	---	---	---	---	---	---	e.50	e8.2	1.8	7.7	5.1	2.9
12	---	---	---	---	---	---	e.48	e8.7	6.4	9.9	.83	2.7
13	---	---	---	---	---	---	e.43	e8.7	6.0	10	5.8	2.6
14	---	---	---	---	---	---	e.56	e8.5	1.5	10	5.8	2.4
15	---	---	---	---	---	---	e.76	7.0	4.3	10	5.7	2.4
16	---	---	---	---	---	---	e.80	6.6	8.0	10	5.7	2.1
17	---	---	---	---	---	---	e1.0	6.8	8.0	9.7	5.6	1.9
18	---	---	---	---	---	---	e1.9	6.2	9.7	9.6	5.5	1.6
19	---	---	---	---	---	---	e2.3	5.1	12	9.5	5.5	1.3
20	---	---	---	---	---	---	e2.0	3.6	12	9.5	5.4	1.1
21	---	---	---	---	---	---	e1.4	3.1	12	9.3	5.5	.80
22	---	---	---	---	---	---	e1.1	2.8	12	9.1	5.5	.43
23	---	---	---	---	---	---	e1.0	2.5	12	9.2	5.4	.43
24	---	---	---	---	---	---	e1.2	2.2	12	8.9	5.3	.37
25	---	---	---	---	---	---	e3.4	e2.1	12	8.5	5.2	.36
26	---	---	---	---	---	---	e3.2	2.2	12	8.9	5.1	.34
27	---	---	---	---	---	---	e4.3	3.5	12	8.5	5.0	.30
28	---	---	---	---	---	---	e6.6	4.5	11	8.3	5.0	.30
29	---	---	---	---	---	---	e9.0	4.2	11	8.1	4.9	e.22
30	---	---	---	---	---	---	e9.0	3.9	11	8.0	4.9	e.12
31	---	---	---	---	---	---	---	3.6	---	7.9	4.7	---
TOTAL	---	---	---	---	---	---	56.11	163.9	221.2	288.7	190.73	62.97
MEAN	---	---	---	---	---	---	1.87	5.29	7.37	9.31	6.15	2.10
MAX	---	---	---	---	---	---	9.0	8.7	12	11	8.7	4.8
MIN	---	---	---	---	---	---	.23	2.1	1.5	7.7	.83	.12
AC-FT	---	---	---	---	---	---	111	325	439	573	378	125

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, 176 ft^3/s, May 1, gage height, 2.31 ft; minimum daily discharge, 0.16 ft^3/s, Jan 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	5.8	1.8	.33	.32	1.5	7.9	141	27	7.1	2.8	2.7
2	2.8	4.8	1.5	e.26	.34	e1.4	11	123	25	7.1	2.6	2.7
3	2.6	4.2	e1.4	e.22	.35	1.7	13	80	23	6.9	3.4	2.7
4	2.6	4.0	e1.1	e.20	.41	e1.6	12	64	22	6.4	5.1	2.7
5	2.6	4.4	.99	.19	.46	1.8	14	62	20	6.0	3.6	2.7
6	2.6	4.2	.88	.18	.53	1.9	13	63	19	6.0	3.9	2.8
7	2.5	4.0	.79	e.18	.70	2.2	13	73	18	5.9	5.3	2.8
8	2.6	3.8	e.74	e.17	.76	e2.1	e12	95	17	6.5	5.2	2.8
9	2.9	5.0	e.78	.16	e.44	e2.3	e9.8	113	16	6.6	5.3	2.7
10	3.9	5.2	e.85	.19	e.41	2.8	8.4	122	15	5.9	4.9	2.8
11	6.5	4.5	e.92	e.19	e.71	2.8	e8.0	117	15	5.7	4.3	2.7
12	5.2	4.2	1.1	.21	.84	2.6	8.5	112	14	5.3	4.2	2.8
13	4.3	3.9	1.2	.22	.81	2.6	e8.0	123	15	4.8	4.3	2.8
14	3.7	3.6	1.3	.22	.88	e2.5	7.5	122	14	5.0	4.2	2.9
15	3.6	3.8	e1.1	.21	1.0	e2.6	e7.4	119	13	6.3	4.2	2.8
16	3.4	3.7	e1.0	.22	e.95	3.0	9.8	118	13	5.4	4.1	2.7
17	3.3	3.5	1.1	e.20	e.96	3.0	13	124	12	4.4	4.0	2.6
18	3.2	e3.0	1.1	e.20	1.1	e2.8	19	116	11	3.9	4.0	2.5
19	3.1	2.5	e.90	.21	1.3	e2.9	25	108	11	3.7	3.9	2.4
20	3.0	2.2	.86	.20	1.3	e3.0	28	90	11	3.7	3.9	2.5
21	3.4	1.9	.80	e.19	1.4	3.6	21	80	10	3.5	3.7	2.5
22	4.9	1.9	.80	.18	e1.3	4.6	17	72	9.5	3.3	e3.4	2.5
23	4.9	1.9	.85	.19	e1.7	5.4	15	65	9.3	3.2	e3.2	2.4
24	5.1	1.8	.86	.19	e1.4	6.0	17	60	9.3	3.3	e3.0	2.3
25	4.3	e1.4	.84	e.21	e1.2	6.8	26	54	8.6	3.2	e2.8	2.3
26	3.8	1.3	e.66	e.24	e1.2	8.0	45	50	8.8	4.5	e2.7	2.4
27	3.6	1.4	e.60	.24	1.2	e8.7	61	45	9.1	5.1	e2.6	2.2
28	4.3	1.6	.51	.25	1.4	9.1	79	38	8.2	3.9	2.6	2.2
29	4.4	1.6	e.48	.29	---	8.5	112	35	7.6	3.2	2.6	2.3
30	4.6	1.9	.41	.30	---	e7.4	117	31	7.2	3.6	2.7	2.3
31	6.3	---	.38	e.29	---	e7.4	---	28	---	3.3	2.7	---
TOTAL	116.8	97.0	28.60	6.73	25.37	122.6	758.3	2643	418.6	152.7	115.2	77.5
MEAN	3.77	3.23	.92	.22	.91	3.95	25.3	85.3	14.0	4.93	3.72	2.58
MAX	6.5	5.8	1.8	.33	1.7	9.1	117	141	27	7.1	5.3	2.9
MIN	2.5	1.3	.38	.16	.32	1.4	7.4	28	7.2	3.2	2.6	2.2
AC-FT	232	192	57	13	50	243	1500	5240	830	303	228	154

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	4.88	4.55	3.75	3.39	3.40	4.30	18.4	101	60.1	13.6	7.15	5.01
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	.92	.22	.91	2.13	3.37	12.9	9.35	3.75	1.96	1.89
(WY)	1979	1991	2001	2001	2001	1963	1975	1977	1992	1977	1977	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	4489.10		4562.40			
ANNUAL MEAN	12.3		12.5		19.3	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	119	May 4	141	May 1	419	May 22 1984
LOWEST DAILY MEAN	.38	Dec 31	.16	Jan 9	.00	Sep 23 1966
ANNUAL SEVEN-DAY MINIMUM	.55	Dec 25	.18	Jan 5	.06	Sep 22 1966
ANNUAL RUNOFF (AC-FT)	8900		9050		13950	
10 PERCENT EXCEEDS	40		28		50	
50 PERCENT EXCEEDS	3.7		3.3		5.0	
90 PERCENT EXCEEDS	1.5		.41		2.5	

e Estimated

09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW¼NE¼SW¼ sec. 18, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 0.8 mi upstream from bridge, 1.2 mi downstream from French Creek, and 4.5 mi north of Scofield.

DRAINAGE AREA.--60.1 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 1	2330	*273	*2.48				

Minimum daily discharge, 3.0 ft^3/s, Jan 8, 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	13	e7.8	e4.4	e5.2	e6.8	21	236	e62	e18	7.6	6.9
2	8.2	12	e8.4	e4.2	e5.3	e6.0	e27	225	e58	e17	7.6	6.7
3	8.1	e11	e7.6	e3.7	e5.3	e6.6	30	183	e55	e16	10	6.4
4	8.1	e10	e7.0	e3.6	e5.8	e5.8	28	157	e52	e16	12	6.6
5	8.0	e12	e6.8	e3.4	e5.7	e6.6	30	143	e50	e16	9.7	6.3
6	8.1	e13	e6.4	e3.2	e5.9	e7.2	31	e145	e48	e15	8.3	5.9
7	8.0	e12	e6.0	e3.2	e6.6	e7.6	29	e150	e46	e14	10	5.8
8	8.0	e11	e6.4	e3.0	e5.8	e7.0	27	e180	50	e15	11	5.9
9	8.2	e12	e6.6	e3.0	e5.2	e7.2	e26	e220	46	e15	12	6.1
10	9.7	e13	e7.6	e3.2	e5.7	e8.0	26	e255	43	e14	12	6.1
11	14	e12	e7.2	e3.6	e6.1	e6.8	e22	e250	e38	e13	9.8	6.0
12	13	e12	e7.4	e3.9	e6.7	e6.3	25	e245	e37	e13	9.3	6.0
13	12	11	e7.3	e4.1	e6.8	e6.6	e23	e255	37	e15	11	6.4
14	11	13	e7.2	e4.1	e6.7	e7.0	24	e240	e36	e15	10	6.2
15	10	13	e6.6	e3.9	e6.2	e8.5	25	e245	e34	e16	9.2	6.1
16	10	e13	e7.4	e3.8	e5.7	e9.4	31	e230	e32	e14	9.1	6.1
17	9.7	e12	e7.2	e3.7	e5.7	e9.8	41	e215	31	e12	9.0	6.7
18	9.5	e12	e6.8	e3.7	e6.2	e10	55	e205	29	e11	8.6	6.4
19	9.4	e11	e6.2	e3.7	e7.3	e11	70	196	27	10	8.5	6.2
20	9.3	e11	e5.8	e3.8	e7.7	e11	75	e185	e24	9.8	9.1	6.1
21	11	e9.8	e5.8	e3.6	e7.7	e12	61	e170	24	9.5	9.1	6.1
22	14	e9.2	e6.0	e3.5	e6.6	e13	53	e145	24	9.2	8.5	6.1
23	12	e9.3	e5.8	e3.6	e7.5	e15	48	e130	23	8.9	7.4	6.0
24	12	e9.2	e6.0	e4.1	e7.6	e17	50	e120	e23	9.0	6.9	5.9
25	11	e8.6	e5.8	e4.2	e7.0	e19	62	e113	e21	8.9	6.5	5.7
26	10	e8.4	e6.1	e4.5	e6.6	20	e92	e108	e22	10	6.2	5.7
27	10	e7.5	e6.4	e4.6	e7.6	e21	e125	e98	e25	11	5.9	5.7
28	11	e7.6	e5.8	e4.5	e7.5	21	e150	e90	e21	9.5	5.9	5.9
29	11	e8.2	e5.4	e5.1	---	20	188	e81	e19	8.2	6.1	6.0
30	11	e8.2	e5.3	e5.3	---	e20	203	e73	e18	7.8	6.9	6.8
31	13	---	e4.9	e5.2	---	e20	---	e67	---	8.5	6.7	---
TOTAL	317.0	325.0	203.0	121.4	179.7	353.2	1698	5355	1055	385.3	269.9	184.8
MEAN	10.2	10.8	6.55	3.92	6.42	11.4	56.6	173	35.2	12.4	8.71	6.16
MAX	14	13	8.4	5.3	7.7	21	203	255	62	18	12	6.9
MIN	8.0	7.5	4.9	3.0	5.2	5.8	21	67	18	7.8	5.9	5.7
AC-FT	629	645	403	241	356	701	3370	10620	2090	764	535	367

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	11.6	11.4	9.72	8.87	9.35	13.2	61.0	266	138	30.3	14.8	11.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	10738.4		10447.3			
ANNUAL MEAN	29.3		28.6		49.0	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	228	May 4	255	May 10	1310	May 22 1984
LOWEST DAILY MEAN	4.9	Dec 31	3.0	Jan 8	2.6	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	5.7	Dec 25	3.2	Jan 4	2.8	Jan 29 1979
ANNUAL RUNOFF (AC-FT)	21300		20720		35510	
10 PERCENT EXCEEDS	91		71		128	
50 PERCENT EXCEEDS	12		9.4		13	
90 PERCENT EXCEEDS	7.5		5.3		7.0	

e Estimated

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

LOCATION.--Lat 39°43'18", long 111°09'38", in SW¼NE¼ sec. 5, T. 13 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on left bank 1.3 mi upstream from mouth, 0.1 mi below Winter Quarters Canyon, 0.2 mi upstream from Scofield.

DRAINAGE AREA.--29.1 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)
May 1	2345	40	2.29	Jul 10	1530	46	2.39
May 17	2100	*55	*2.51				

Minimum daily discharge, 7.9 ft^3/s, Aug 21.

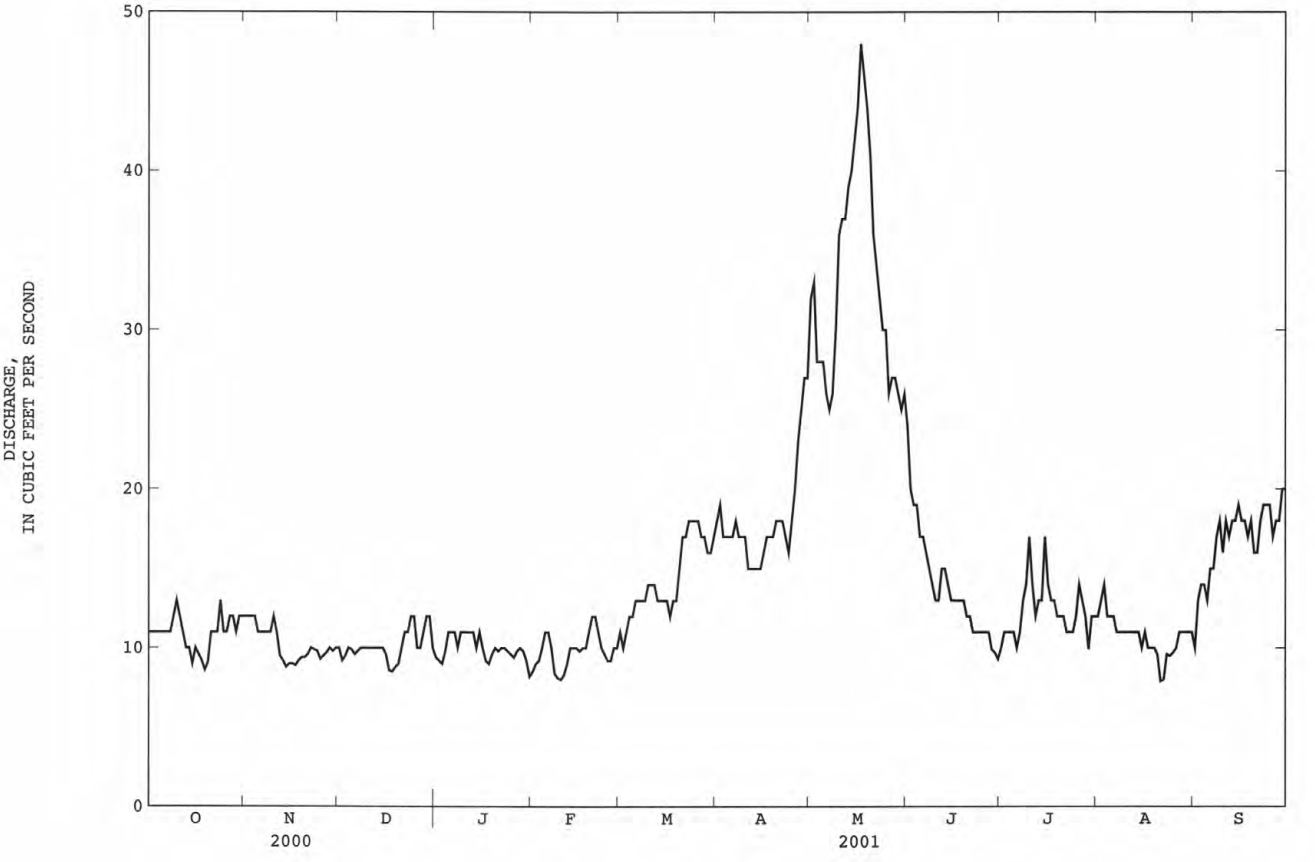
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	10	e9.4	e8.5	e11	18	32	24	10	12	10
2	11	12	e9.2	e9.2	e9.0	e10	19	33	20	11	13	13
3	11	e12	e9.5	e9.0	e9.2	e11	17	28	19	11	14	14
4	11	e12	e10	e9.8	e10	e12	17	28	19	11	12	14
5	11	11	9.9	11	e11	e12	e17	28	17	11	12	13
6	11	e11	9.6	11	e11	13	e17	26	17	10	12	15
7	11	11	e9.8	e11	e10	13	e18	25	16	11	11	15
8	11	e11	10	e10	e8.4	13	17	26	15	13	11	17
9	12	11	10	e11	e8.1	13	17	30	14	14	11	18
10	13	12	10	11	e8.0	14	17	36	13	17	11	16
11	12	e11	e10	11	e8.3	14	15	37	13	14	11	18
12	11	e9.5	10	11	e9.0	14	15	37	15	12	11	17
13	10	e9.2	10	11	e10	13	15	39	15	13	11	18
14	10	e8.8	10	e10	e10	13	15	40	14	13	11	18
15	9.0	e9.0	10	11	e10	e13	e15	42	13	17	10	19
16	10	e9.0	e9.6	e10	e9.8	13	16	44	13	14	11	18
17	9.6	e8.9	e8.6	e9.2	e10	12	e17	48	13	13	10	18
18	9.2	e9.2	e8.5	e9.0	e10	13	e17	46	13	13	10	17
19	8.6	e9.4	e8.8	e9.6	e11	13	e17	44	13	12	10	18
20	9.1	e9.4	e9.0	10	e12	15	e18	41	12	12	9.6	16
21	11	e9.6	e10	e9.8	e12	17	e18	36	12	12	7.9	16
22	11	10	11	10	e11	17	e18	34	11	11	8.0	18
23	11	9.9	e11	10	e10	18	e17	32	11	11	9.6	19
24	13	e9.8	12	e9.8	e9.6	18	e16	30	11	11	9.5	19
25	11	e9.3	12	9.6	e9.2	18	e18	30	11	12	9.7	19
26	11	e9.5	e10	e9.4	e9.2	18	e20	26	11	14	10	17
27	12	9.7	e10	9.8	e10	17	23	27	11	13	11	18
28	12	10	e11	10	e10	17	25	27	9.9	12	11	18
29	11	9.8	e12	e9.8	---	16	27	26	9.7	9.9	11	20
30	12	10	12	e9.2	---	16	27	25	9.3	12	11	20
31	12	---	e10	e8.2	---	17	---	26	---	12	11	---
TOTAL	338.5	306.0	313.5	309.8	274.3	444	543	1029	414.9	381.9	333.3	506
MEAN	10.9	10.2	10.1	9.99	9.80	14.3	18.1	33.2	13.8	12.3	10.8	16.9
MAX	13	12	12	11	12	18	27	48	24	17	14	20
MIN	8.6	8.8	8.5	8.2	8.0	10	15	25	9.3	9.9	7.9	10
AC-FT	671	607	622	614	544	881	1080	2040	823	757	661	1000
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-2001, BY WATER YEAR (WY)												
MEAN	7.34	6.71	5.92	5.72	5.95	8.35	16.9	56.4	46.6	12.7	8.08	8.47
MAX	12.2	10.3	10.1	9.99	9.80	18.3	40.7	141	134	30.8	16.0	16.9
(WY)	1985	1986	2001	2001	2001	1986	1985	1984	1983	1983	1984	2001
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

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1979-86, 1991-2001	
ANNUAL TOTAL	3875.1		5194.2			
ANNUAL MEAN	10.6		14.2		15.8	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	33	May 24	48	May 17	300	May 24 1984
LOWEST DAILY MEAN	2.6	Aug 6	7.9	Aug 21	1.6	Sep 8 1979
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 1	8.8	Feb 7	1.6	Jan 11 1980
ANNUAL RUNOFF (AC-FT)	7690		10300		11440	
10 PERCENT EXCEEDS	20		21		34	
50 PERCENT EXCEEDS	9.4		12		7.8	
90 PERCENT EXCEEDS	5.6		9.4		3.8	

e Estimated



09311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in NW¼SE¼ sec. 10, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 200 ft upstream from face of dam on Price River and 4.7 mi northeast of Scofield.

DRAINAGE AREA.--154 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, 47,620 acre-ft, May 22, elevation, 7,610.8 ft; minimum observed, 22,240 acre-ft, Sep 30, elevation, 7599.8 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25690	e26270	e27020	e27450	e30290	30760	33260	39150	47260	40480	32350	25950
2	25630	e26270	e27020	e27450	30290	e30760	e33260	40120	47080	40140	32350	25840
3	25730	26270	e27020	e27450	e30290	e29720	e33380	40610	46930	39800	32120	25730
4	25520	e26270	e27020	e27450	e30740	e29720	33380	40850	46750	39460	31890	25520
5	e25520	26800	27020	e29650	30740	29720	e33380	41100	46600	39150	31670	25310
6	e25520	e26800	e27020	e29650	e30740	e29650	33490	41340	46370	38930	31440	25100
7	e25520	e26800	e27020	e29650	e30740	29650	e33490	41590	46140	38720	31150	24880
8	e25520	e26800	e27020	e29650	e30740	29870	e33490	41830	45940	38500	30850	24670
9	e25630	e27150	e27020	29650	e30740	30090	e33490	42080	45710	38280	30540	24460
10	e25630	e27150	e27130	e29650	e30920	30320	e33490	42570	45480	38070	30320	24250
11	e25630	e27150	e27130	e29650	e30920	30540	e35110	42820	45250	37830	30090	24040
12	25630	27150	e27130	e29650	e30920	30760	e35110	43320	45020	37590	29870	23840
13	e25630	e27150	27130	e29650	e30920	e30760	e35110	43820	44820	37350	29650	23630
14	e25630	e27430	e27130	e29650	30920	e30990	e35110	44570	44570	37040	29430	23420
15	e25630	27430	27240	e29650	e30920	30990	35110	45080	44440	36760	29210	23210
16	e25630	e27430	e27240	e29650	e30920	32120	e35110	45580	44320	36590	28980	23320
17	e25520	e27430	e27240	e30070	e30920	32140	e35110	46090	44200	36430	28760	23320
18	e25520	e27430	e27240	e30070	e30920	32160	e35110	46340	43840	36290	28590	23020
19	e25520	e27430	e27240	e30070	e31100	32190	e35110	46850	43490	36030	28040	22960
20	e25520	e27430	e27240	e30070	e31100	32210	e35110	47110	43100	35770	28330	22880
21	25520	e27430	e27240	e30070	e31100	32230	e36520	47360	43000	35510	28220	22800
22	e25520	e27020	e27240	e30070	31100	32260	e36520	47620	42600	35250	28110	22740
23	e25520	e27020	e27240	e30070	e31100	e32260	e36520	47600	42500	35000	27890	22670
24	e25520	e27020	e27450	30070	e31100	e32260	e36520	47600	42250	34740	27670	22610
25	e25950	e27020	e27450	e30070	e31100	e32260	36520	47600	41980	34530	27450	22550
26	e25950	e27020	e27450	e30070	e30990	e33150	e36520	47600	41640	34160	27020	22490
27	25950	e27020	e27450	e30070	e30990	e33150	e37710	47600	41290	33790	26800	22430
28	e25950	27020	e27450	e30140	30990	e33150	e37710	47600	40970	33420	26700	22360
29	e25950	e27020	e27450	e30140	---	33150	37710	47570	40780	33060	26590	22300
30	e25950	e27020	e27450	e30140	---	e33150	38670	47490	40610	32690	26370	22240
31	e26270	---	27450	30140	---	e33260	---	47420	---	32350	26160	---
MAX	26300	27400	27400	30100	31100	33300	38700	47600	47300	40500	32400	26000
MIN	25500	26300	27000	27400	30300	29600	33300	39200	40600	32400	26200	22200
(#)	---	---	7602.3	7603.5	7603.9	---	7607.2	7610.7	7608.0	7604.5	7601.7	7599.8
(*)	+520	+750	+430	+2690	+850	+2270	+5410	+8750	-6810	-8260	-6190	-3920

CAL YR 2000.....(*) -12,550
WTR YR 2001.....(*) -3,510

(#) 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 NE¼SE¼SW¼ sec. 9, T. 11 S., R. 8 E., Utah County, Hydrologic Unit 14060007, 50 ft downstream from bridge on U.S. Highways 6-50, 1.5 mi downstream from Tabbyune Creek, 2.5 mi northwest of the Colton railroad siding, and 4.5 mi southeast of Soldier Summit.

DRAINAGE AREA.--75.6 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft^3/s, May 27, 1983, gage height, 5.82 ft; no flow many days in Aug and Sep 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)
Apr 29	0802	*102	*2.22	No other peak greater than base discharge.			

Minimum daily discharge, 1.8 ft^3/s, Sep 6, 7.

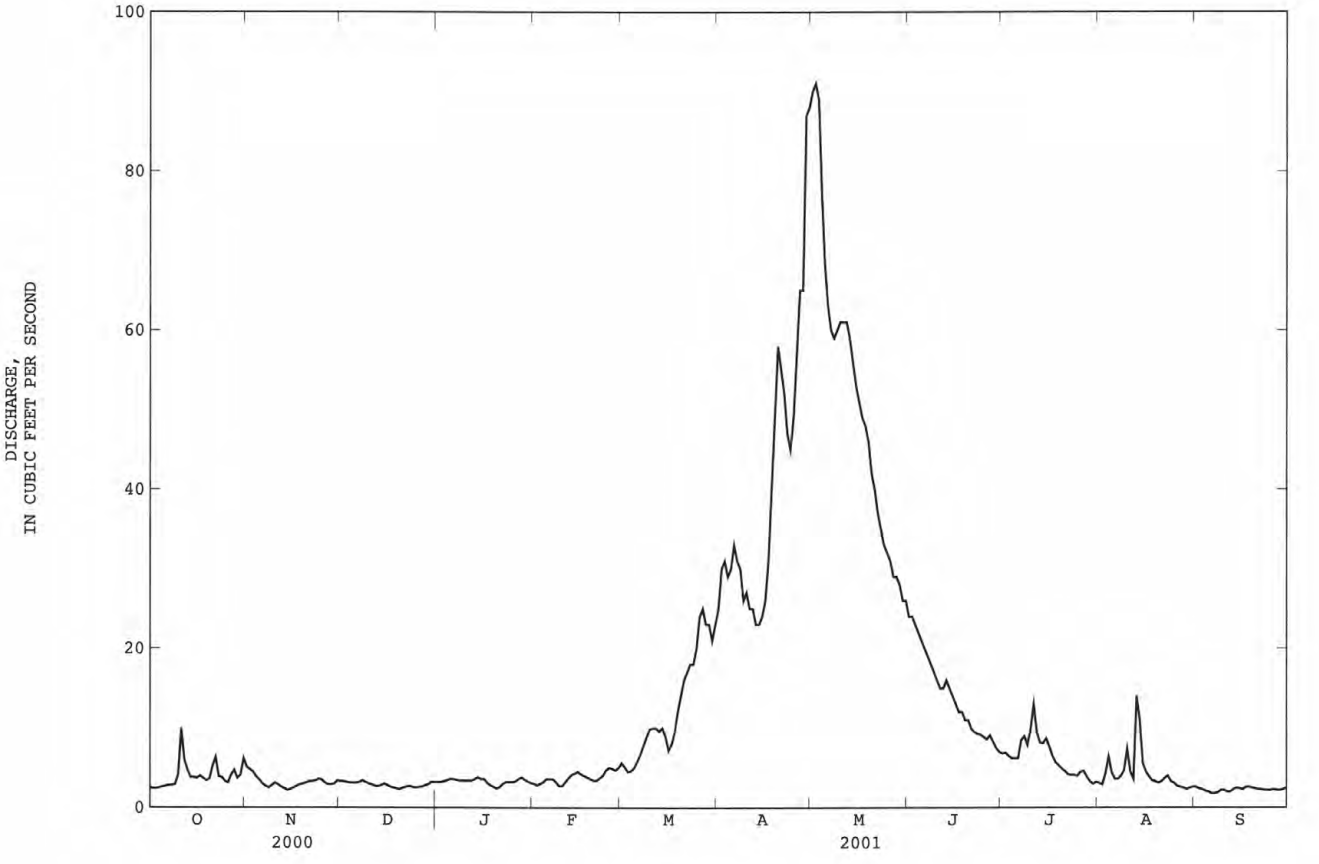
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	5.1	e3.3	e3.2	e3.0	e5.6	25	90	24	6.8	3.1	2.6
2	2.4	4.8	e3.3	e3.2	e2.8	e5.1	30	91	24	6.9	2.9	2.4
3	2.4	e4.5	e3.2	e3.3	e3.0	e4.5	31	89	23	6.5	4.3	2.3
4	2.5	e3.9	e3.1	e3.4	e3.2	e4.6	29	77	22	6.2	6.4	2.1
5	2.6	e3.5	e3.1	e3.6	e3.6	e5.0	30	68	21	6.2	4.4	2.0
6	2.7	e3.0	e3.1	e3.6	e3.6	e5.8	33	63	20	6.2	3.6	1.8
7	2.8	e2.7	e3.2	e3.5	e3.6	e6.7	31	60	19	8.5	3.6	1.8
8	2.8	e2.5	e3.4	e3.4	e3.2	e7.8	30	59	18	9.0	4.0	1.9
9	2.9	e2.8	e3.2	e3.4	e2.7	e8.9	26	60	17	7.9	4.7	2.2
10	4.1	e3.1	e3.0	e3.4	e2.7	e9.9	27	61	16	9.8	7.4	2.2
11	10	e2.9	e2.9	e3.4	e3.2	e10	25	61	15	13	4.5	2.0
12	6.0	e2.6	e2.7	e3.4	e3.7	e10	25	61	15	9.5	3.6	2.0
13	4.7	e2.4	e2.7	e3.6	e4.1	e9.6	23	59	16	8.2	14	2.3
14	3.8	e2.2	e2.8	e3.8	e4.3	e10	23	56	15	8.1	11	2.5
15	3.8	e2.3	e3.0	e3.6	e4.5	e9.0	24	53	14	8.7	5.6	2.4
16	3.7	e2.5	e2.8	e3.6	e4.2	e7.2	26	51	13	7.7	4.5	2.3
17	4.0	e2.7	e2.6	e3.1	e4.0	e8.0	31	49	12	6.5	3.9	2.6
18	3.7	e2.9	e2.5	e2.8	e3.8	e9.5	40	48	12	5.7	3.4	2.6
19	3.4	e3.0	e2.4	e2.6	e3.6	e12	49	46	11	5.3	3.3	2.5
20	3.6	e3.1	e2.3	e2.4	e3.4	e14	58	42	11	4.9	3.1	2.4
21	5.2	e3.3	e2.5	e2.6	e3.4	e16	55	40	9.9	4.6	3.3	2.3
22	6.3	e3.3	e2.6	e3.0	e3.7	17	52	37	9.5	4.2	3.7	2.3
23	3.9	e3.4	e2.7	e3.2	e4.0	18	47	35	9.3	4.1	4.0	2.2
24	3.8	e3.6	e2.6	e3.2	e4.7	18	45	33	9.2	4.1	3.3	e2.2
25	3.3	e3.5	e2.5	e3.2	e5.0	20	49	32	8.9	4.0	3.1	e2.2
26	3.1	e3.1	e2.6	e3.3	e4.9	24	57	31	8.6	4.5	2.7	2.3
27	4.1	e2.9	e2.6	e3.6	e4.7	25	65	29	9.1	4.6	2.6	2.2
28	4.7	e2.9	e2.8	e3.8	e5.0	23	65	29	8.3	3.9	2.5	2.2
29	3.7	e3.0	e2.9	e3.5	---	23	87	28	7.5	3.3	2.3	2.3
30	4.1	e3.4	e3.2	e3.3	---	21	88	26	7.0	3.0	2.5	2.5
31	6.2	---	e3.2	e3.1	---	23	---	26	---	3.2	2.6	---
TOTAL	122.8	94.9	88.8	102.1	105.6	391.2	1226	1590	425.3	195.1	133.9	67.6
MEAN	3.96	3.16	2.86	3.29	3.77	12.6	40.9	51.3	14.2	6.29	4.32	2.25
MAX	10	5.1	3.4	3.8	5.0	25	88	91	24	13	14	2.6
MIN	2.4	2.2	2.3	2.4	2.7	4.5	23	26	7.0	3.0	2.3	1.8
AC-FT	244	188	176	203	209	776	2430	3150	844	387	266	134
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY)												
MEAN	5.73	5.28	4.40	4.04	4.83	13.5	62.3	153	53.5	15.1	7.09	4.99
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

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	3867.8		4543.3			
ANNUAL MEAN	10.6		12.4		28.0	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	60	Apr 29	91	May 2	927	May 27 1983
LOWEST DAILY MEAN	1.1	Aug 22	1.8	Sep 6	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 11	2.0	Sep 5	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	7670		9010		20260	
10 PERCENT EXCEEDS	36		34		70	
50 PERCENT EXCEEDS	3.5		4.0		6.5	
90 PERCENT EXCEEDS	1.9		2.5		2.5	

e Estimated



09313000 PRICE RIVER NEAR HEINER, UT

LOCATION.--Lat 39°43'08", long 110°51'55", in SW¼SE¼SW¼, sec. 1, T. 13 S., R. 9 E., Carbon County, Hydrologic Unit 14060007, on left bank 0.7 mi north of Heiner and 0.8 mi downstream from Willow Creek.

DRAINAGE AREA.--455 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, 389 ft^3/s, Jul 15, gage height, 5.50 ft; minimum daily discharge, 5.2 ft^3/s, Feb 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	35	e23	e10	e7.0	e10	61	188	184	152	136	102
2	28	28	e22	e9.8	e7.4	e8.0	68	200	182	151	137	102
3	27	25	e22	e10	e7.7	e8.4	74	194	182	151	140	107
4	27	e24	e21	e10	e8.1	e8.8	70	176	180	149	143	107
5	27	e23	e21	e11	e8.6	e9.5	69	160	178	149	141	107
6	27	e22	e21	e11	e8.9	e10	77	168	175	153	138	105
7	27	e21	e23	e10	e9.2	15	75	177	172	155	140	105
8	28	e20	e21	e9.4	e7.8	18	76	190	169	160	144	106
9	30	e21	e20	e8.7	e6.0	26	63	202	169	159	143	107
10	45	23	e19	e9.8	e5.2	27	67	212	168	153	132	107
11	51	e21	e18	e9.3	e5.5	24	60	217	164	161	129	106
12	33	e18	e18	e9.9	e5.8	19	64	214	164	151	126	106
13	30	e16	e19	e11	e6.3	22	56	218	172	143	123	109
14	26	e14	e20	e9.2	e6.8	24	58	217	168	158	136	109
15	17	e15	e21	e8.0	e7.1	21	64	208	162	193	121	80
16	14	e16	e18	e8.0	e6.8	21	62	210	160	167	119	70
17	13	e17	e15	e6.0	e6.5	20	72	213	159	144	115	70
18	12	e18	e12	e6.5	e7.4	25	89	204	160	140	108	57
19	14	e19	e10	e7.1	e8.6	41	110	198	158	132	106	54
20	15	e21	e8.0	e6.6	e8.0	57	120	189	166	131	105	53
21	16	e22	e10	e7.2	e8.0	75	125	178	165	130	99	52
22	21	e23	e12	e7.8	e8.8	110	118	179	165	131	e100	47
23	23	e21	e11	e7.2	e10	100	105	195	163	129	101	45
24	24	e20	e10	e7.2	e9.5	95	98	210	166	127	102	44
25	24	e19	e9.0	e8.0	e9.7	78	101	199	170	128	101	44
26	23	e18	e9.0	e8.5	e10	79	128	193	171	145	99	44
27	22	e17	e9.5	e8.5	e11	72	146	193	168	144	97	44
28	34	e17	e10	e9.0	e12	65	170	188	162	139	96	45
29	32	e20	e9.6	e8.4	---	68	192	184	155	139	98	46
30	33	e24	e10	e7.6	---	62	186	175	152	138	107	48
31	39	---	e10	e7.6	---	59	---	186	---	140	104	---
TOTAL	811	618	482.1	268.3	223.7	1277.7	2824	6035	5029	4542	3686	2328
MEAN	26.2	20.6	15.6	8.65	7.99	41.2	94.1	195	168	147	119	77.6
MAX	51	35	23	11	12	110	192	218	184	193	144	109
MIN	12	14	8.0	6.0	5.2	8.0	56	160	152	127	96	44
AC-FT	1610	1230	956	532	444	2530	5600	11970	9980	9010	7310	4620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81, 1991-2001, BY WATER YEAR (WY)

MEAN	46.5	18.5	12.5	10.3	13.8	42.8	159	338	256	193	134	89.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1935-69,1980-81,1991-2001	
ANNUAL TOTAL	27827.9		28124.8			
ANNUAL MEAN	76.0		77.1		110	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	237	May 25	218	May 13	2040	Apr 28 1952
LOWEST DAILY MEAN	5.9	Jan 4	5.2	Feb 10	.90	Aug 18 1961
ANNUAL SEVEN-DAY MINIMUM	6.2	Jan 3	6.1	Feb 9	2.4	Nov 7 1934
ANNUAL RUNOFF (AC-FT)	55200		55790		79600	
10 PERCENT EXCEEDS	194		175		253	
50 PERCENT EXCEEDS	29		56		52	
90 PERCENT EXCEEDS	9.1		8.6		8.0	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼, sec. 9, T. 18 S., R. 14 E., Emery County, Hydrologic Unit 14060007, on left downstream wingwall of old highway bridge, 200 ft downstream from railroad bridge at Woodside, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--1,540 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to Septemer 1992, and July 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above NGVD of 1929, by barometer. September 1909 to August 1911, reference point at site about 100 ft upstream at different datum. November 27, 1945 to October 16, 1954, water-stage recorder at site 15 ft downstream at datum 1.85 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 18,000 acres. Flow affected by storage in Scofield Reservoir, usable capacity, 65,780 acre-ft, since 1926 (see station 09311000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft^3/s, Sep 7, 1991, gage height, 13.49 ft, from rating curve extended above 6,840 ft^3/s; no flow at times in 1960, 1961, 1963, and 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 11	1145	*2,550	*10.52	Oct 31	0700	2,430	10.36

Minimum daily discharge, 9.0 ft^3/s, Sep 27, 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e27	441	e37	e40	e39	96	95	117	43	25	27	18
2	e26	130	e34	e37	e33	78	92	103	43	25	22	20
3	e24	93	e31	e36	e45	72	93	106	45	24	19	18
4	e21	75	e30	e33	e47	93	87	123	44	24	21	17
5	e19	61	e31	e32	e50	71	94	124	41	23	388	17
6	19	61	e38	e33	e49	65	97	106	47	22	66	18
7	17	61	e36	e34	e55	71	95	84	49	22	29	18
8	16	57	e37	e34	e57	80	101	81	48	22	30	19
9	18	51	e41	e33	e44	72	108	79	42	23	137	18
10	29	55	e40	e34	e40	151	99	83	40	23	133	18
11	697	57	e35	e40	e40	224	95	88	37	22	39	20
12	e240	54	e41	e47	e40	101	94	95	34	21	35	20
13	e85	e34	e33	e41	e45	79	85	107	30	24	29	170
14	e50	e30	e37	e41	e40	73	89	97	33	24	33	149
15	e40	e36	e37	e41	e37	72	79	117	41	47	36	51
16	e30	e37	e31	e42	e30	65	77	105	37	45	82	23
17	e21	e30	e32	e39	e39	62	83	95	32	82	60	17
18	e24	e31	e26	e31	e50	61	88	112	30	43	35	17
19	32	e28	e24	e25	e56	58	110	117	28	30	29	16
20	31	e30	e27	e30	e72	63	129	107	26	23	24	14
21	29	e36	e30	e35	e66	84	127	99	25	22	23	12
22	41	e38	e35	e41	e72	111	117	92	24	20	37	12
23	56	e41	e38	e36	e90	158	118	83	23	20	52	12
24	50	e43	e39	e38	e113	190	97	76	23	19	31	12
25	66	e37	e42	e42	93	187	78	75	23	17	26	9.8
26	77	e36	e44	e35	84	144	69	81	24	17	22	9.2
27	43	e39	e41	e48	74	135	68	71	25	17	19	9.0
28	43	e33	e45	e45	87	132	95	62	28	22	18	9.0
29	157	e38	e45	e49	---	108	96	56	30	22	18	10
30	217	e39	e37	e44	---	101	106	52	27	19	17	11
31	1520	---	e38	e40	---	97	---	49	---	18	18	---
TOTAL	3765	1832	1112	1176	1587	3154	2861	2842	1022	807	1555	784.0
MEAN	121	61.1	35.9	37.9	56.7	102	95.4	91.7	34.1	26.0	50.2	26.1
MAX	1520	441	45	49	113	224	129	124	49	82	388	170
MIN	16	28	24	25	30	58	68	49	23	17	17	9.0
AC-FT	7470	3630	2210	2330	3150	6260	5670	5640	2030	1600	3080	1560

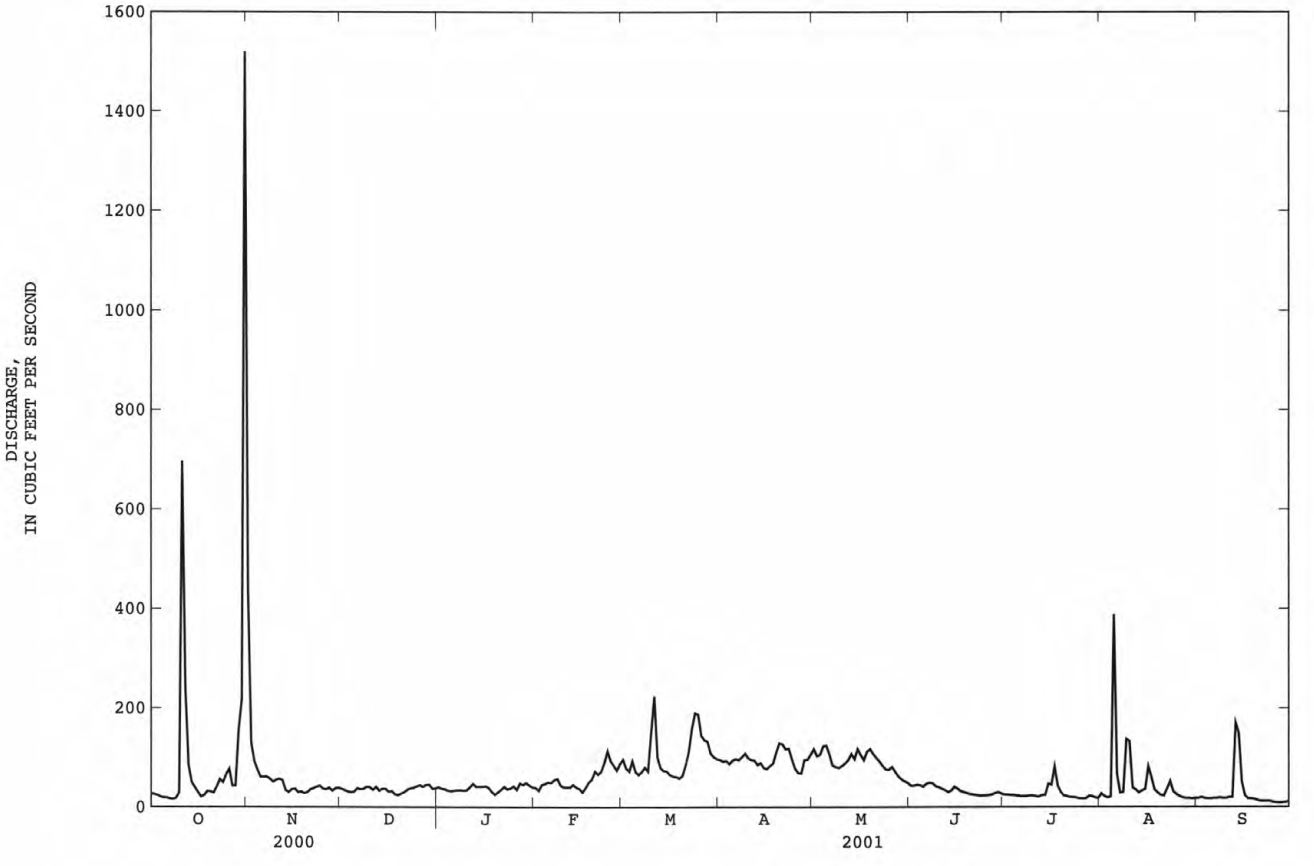
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947-92, 2000-2001, BY WATER YEAR (WY)

MEAN	93.3	65.8	41.9	35.1	60.9	116	182	290	227	99.9	113	109
MAX	399	337	101	80.0	227	375	768	1762	2023	427	478	494
(WY)	1984	1958	1967	1986	1983	1979	1986	1952	1983	1983	1957	1991
MIN	18.3	17.9	12.2	10.7	18.0	25.6	15.0	5.26	1.51	4.21	8.61	5.72
(WY)	1965	1991	1978	1961	1964	1961	1961	1961	1961	1960	1990	1992

09314500 PRICE RIVER AT WOODSIDE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1947-92, 2000-2001	
ANNUAL TOTAL			22497.0			
ANNUAL MEAN			61.6		120	
HIGHEST ANNUAL MEAN					479	1983
LOWEST ANNUAL MEAN					25.9	1990
HIGHEST DAILY MEAN	1520	Oct 31	1520	Oct 31	6180	Sep 7 1991
LOWEST DAILY MEAN	14	Aug 26	9.0	Sep 27	.00	Jul 21 1960
ANNUAL SEVEN-DAY MINIMUM	17	Sep 14	10	Sep 24	.00	Jul 21 1960
ANNUAL RUNOFF (AC-FT)			44620		86890	
10 PERCENT EXCEEDS	64		107		240	
50 PERCENT EXCEEDS	32		40		52	
90 PERCENT EXCEEDS	20		19		18	

e Estimated



09314500 PRICE RIVER AT WOODSIDE, UT--Continued

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	---	---	---	---	---	---	---	---	---	---	20	89
2	---	---	---	---	---	---	---	---	---	---	23	e64
3	---	---	---	---	---	---	---	---	---	---	20	e50
4	---	---	---	---	---	---	---	---	---	---	22	e40
5	---	---	---	---	---	---	---	---	---	---	23	e32
6	---	---	---	---	---	---	---	---	---	e37	23	e29
7	---	---	---	---	---	---	---	---	---	29	22	e28
8	---	---	---	---	---	---	---	---	---	28	21	e27
9	---	---	---	---	---	---	---	---	---	34	23	e26
10	---	---	---	---	---	---	---	---	---	41	21	e25
11	---	---	---	---	---	---	---	---	---	52	21	e29
12	---	---	---	---	---	---	---	---	---	79	23	e26
13	---	---	---	---	---	---	---	---	---	51	21	e24
14	---	---	---	---	---	---	---	---	---	46	20	e22
15	---	---	---	---	---	---	---	---	---	36	34	e20
16	---	---	---	---	---	---	---	---	---	31	138	e18
17	---	---	---	---	---	---	---	---	---	34	23	e17
18	---	---	---	---	---	---	---	---	---	39	32	e16
19	---	---	---	---	---	---	---	---	---	61	30	e15
20	---	---	---	---	---	---	---	---	---	33	32	e14
21	---	---	---	---	---	---	---	---	---	27	27	e100
22	---	---	---	---	---	---	---	---	---	23	27	e60
23	---	---	---	---	---	---	---	---	---	21	23	45
24	---	---	---	---	---	---	---	---	---	19	19	35
25	---	---	---	---	---	---	---	---	---	22	16	32
26	---	---	---	---	---	---	---	---	---	25	14	31
27	---	---	---	---	---	---	---	---	---	21	26	27
28	---	---	---	---	---	---	---	---	---	19	48	27
29	---	---	---	---	---	---	---	---	---	19	28	32
30	---	---	---	---	---	---	---	---	---	19	36	e28
31	---	---	---	---	---	---	---	---	---	21	128	---
TOTAL	---	---	---	---	---	---	---	---	---	867	984	1028
MEAN	---	---	---	---	---	---	---	---	---	33.3	31.7	34.3
MAX	---	---	---	---	---	---	---	---	---	79	138	100
MIN	---	---	---	---	---	---	---	---	---	19	14	14
AC-FT	---	---	---	---	---	---	---	---	---	1720	1950	2040

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1946 TO September 1949, February 1951 to September 1988, November 1991 to June 1993, March 1995 to September 1997, and November 2000 to September 30, 2001.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1951 to September 30, 1978.
WATER TEMPERATURE: February 1951 to September 1959, November 1961 to September 1963, October 1964 to September 30, 1978. November 2000 to September 30, 2001.

INSTRUMENTATION.--Water temperature probe.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemens, Dec 11, 1951; minimum daily, 814 microsiemens, Jun 1, 1952.
WATER TEMPERATURE: Maximum, 32.0°C, Jul 10, 11, 1954 and Apr 7, 1977; minimum, -0.4°C, Nov 17, 18, 19, 2000.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 28.6°C, Jul 10; minimum, -0.4°C, Nov 17, 18, 19.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	.8	.3	.4	---	---	---
2	---	---	---	---	---	---	.9	.3	.5	---	---	---
3	---	---	---	---	---	---	---	.4	---	---	---	---
4	---	---	---	---	---	---	1.6	.4	.7	---	---	---
5	---	---	---	---	---	---	---	.2	---	---	---	---
6	---	---	---	---	---	---	2.4	.4	.7	---	---	---
7	---	---	---	---	---	---	3.5	.5	1.0	---	---	---
8	---	---	---	---	---	---	.8	.3	.6	---	---	---
9	---	---	---	---	---	---	1.1	.3	.5	---	---	---
10	---	---	---	---	---	---	1.0	.3	.5	---	---	---
11	---	---	---	---	---	---	1.4	.3	.7	---	---	---
12	---	---	---	---	---	---	.7	.4	.5	---	---	---
13	---	---	---	---	---	---	1.5	.3	.7	---	---	---
14	---	---	---	---	---	---	.7	.3	.5	---	---	---
15	---	---	---	---	---	---	.7	.3	.4	---	---	---
16	---	---	---	---	---	---	2.2	.3	.8	---	---	---
17	---	---	---	.6	-.4	-.1	1.1	.4	.6	---	---	---
18	---	---	---	3.4	-.4	.3	3.1	.2	1.1	---	---	---
19	---	---	---	1.4	-.4	.1	2.2	.1	.9	---	---	---
20	---	---	---	1.0	-.3	.1	1.5	.2	.7	---	---	---
21	---	---	---	.2	-.3	-.1	---	---	---	---	---	---
22	---	---	---	.2	-.3	-.1	.8	.1	.3	---	---	---
23	---	---	---	1.1	-.2	.1	1.2	.1	.3	---	---	---
24	---	---	---	1.0	-.1	.2	.5	.2	.3	---	---	---
25	---	---	---	1.0	.0	.2	.4	.1	.2	---	---	---
26	---	---	---	1.4	.1	.4	.8	.0	.2	---	---	---
27	---	---	---	1.3	.0	.3	1.0	.0	.3	---	---	---
28	---	---	---	1.2	.2	.5	1.0	.1	.3	---	---	---
29	---	---	---	.9	.2	.4	.7	.0	.2	---	---	---
30	---	---	---	1.1	.2	.4	---	.0	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	3.4	-.4	.2	3.5	.0	.5	---	---	---

09314500 PRICE RIVER AT WOODSIDE, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	3.8	2.9	3.3	11.6	10.7	11.0	16.0	15.7	15.8
2	---	---	---	5.0	3.4	4.1	11.9	11.3	11.5	16.0	14.0	15.1
3	---	---	---	6.2	4.5	5.2	12.0	11.3	11.6	14.1	13.1	13.5
4	---	---	---	6.1	5.0	5.5	11.8	11.0	11.4	14.1	13.6	13.9
5	---	---	---	6.8	5.3	5.9	11.4	10.6	10.9	14.3	13.5	13.8
6	---	---	---	8.8	5.7	7.1	11.5	11.1	11.3	14.8	13.4	14.0
7	---	---	---	8.4	7.5	7.9	11.4	10.5	10.8	15.5	13.7	14.5
8	---	---	---	8.6	7.0	7.7	10.9	10.3	10.6	16.2	14.4	15.2
9	---	---	---	9.3	7.7	8.5	10.9	10.3	10.6	16.4	15.0	15.7
10	---	---	---	9.0	8.1	8.4	10.8	10.5	10.6	16.9	14.2	16.1
11	---	---	---	8.4	7.4	7.9	10.6	9.5	10.1	17.2	15.5	16.3
12	---	---	---	8.2	7.1	7.6	10.6	10.3	10.4	17.4	15.9	16.6
13	---	---	---	9.2	7.4	8.3	11.1	8.6	9.8	17.5	16.3	16.9
14	---	---	---	9.0	7.8	8.5	12.1	9.8	10.8	18.1	16.6	17.2
15	---	---	---	8.4	6.7	7.7	13.2	10.0	11.4	18.1	17.1	17.4
16	---	---	---	8.0	6.8	7.2	14.3	10.9	12.4	17.6	16.8	17.2
17	---	---	---	9.0	5.5	7.6	14.2	11.9	13.1	17.6	16.8	17.1
18	---	---	---	10.8	7.0	8.9	15.0	13.1	13.8	17.0	16.0	16.3
19	---	---	---	12.5	7.2	10.1	14.7	13.8	14.1	16.7	16.4	16.5
20	---	---	---	12.2	8.5	10.7	14.3	13.6	13.9	17.3	16.0	16.5
21	2.8	---	---	11.2	9.8	10.5	13.8	13.4	13.6	---	---	---
22	2.1	1.2	1.6	11.6	10.5	10.9	13.4	12.2	12.6	---	---	---
23	1.7	1.5	1.6	11.7	11.2	11.4	---	---	---	---	---	---
24	2.0	1.4	1.6	11.8	11.2	11.5	---	---	---	---	---	---
25	3.0	1.7	2.2	11.7	11.1	11.4	---	---	---	---	---	---
26	3.1	2.4	2.8	11.5	10.6	11.0	---	---	---	---	---	---
27	4.2	2.9	3.4	10.9	10.0	10.5	---	---	---	---	---	---
28	3.9	3.1	3.3	10.7	10.1	10.4	---	---	---	---	---	---
29	---	---	---	10.9	10.4	10.6	---	---	---	---	---	---
30	---	---	---	11.0	10.2	10.6	---	---	---	---	---	---
31	---	---	---	11.3	10.2	10.6	---	---	---	---	---	---
MONTH	4.2	1.2	2.4	12.5	2.9	8.6	15.0	8.6	11.6	18.1	13.1	15.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	25.2	21.0	23.1	---	---	---
2	---	---	---	---	---	---	26.3	22.0	24.0	---	---	---
3	---	---	---	---	---	---	25.9	22.5	24.3	---	---	---
4	---	---	---	---	---	---	26.4	22.3	24.2	---	---	---
5	---	---	---	---	---	---	25.0	18.9	21.7	---	---	---
6	---	---	---	---	---	---	23.4	20.6	21.8	---	---	---
7	---	---	---	---	---	---	24.9	22.4	23.4	22.0	---	---
8	---	---	---	---	---	---	25.8	22.6	24.1	21.2	13.7	17.3
9	---	---	---	---	---	---	25.0	21.9	23.5	20.8	12.3	16.6
10	---	---	---	28.6	---	---	24.0	21.6	22.5	20.8	12.2	16.6
11	---	---	---	27.4	21.9	24.5	24.4	20.9	22.5	22.2	13.9	18.0
12	---	---	---	27.8	21.0	24.2	25.1	21.2	23.1	22.7	15.5	19.0
13	---	---	---	25.8	22.5	24.0	24.5	22.2	22.8	22.6	13.7	19.0
14	---	---	---	22.9	20.9	21.9	24.5	20.9	22.5	18.3	16.3	17.2
15	---	---	---	23.9	16.2	21.3	23.7	21.2	22.5	18.3	17.0	17.6
16	---	---	---	23.0	16.1	19.6	22.5	20.2	21.4	18.8	17.5	18.1
17	---	---	---	22.6	19.5	21.0	21.8	19.9	20.9	19.1	17.3	18.2
18	---	---	---	23.0	19.2	21.1	22.2	20.4	21.2	18.9	16.6	17.7
19	---	---	---	23.3	19.7	21.5	22.2	20.8	21.4	18.6	16.6	17.7
20	---	---	---	24.0	20.1	22.0	21.7	20.4	21.0	18.6	16.1	17.4
21	---	---	---	24.5	20.0	22.2	21.7	20.0	20.7	18.7	15.8	17.4
22	---	---	---	25.0	20.0	22.5	20.9	19.3	20.0	18.5	15.4	17.1
23	---	---	---	24.2	20.2	22.4	20.8	19.5	20.2	18.2	15.4	17.0
24	---	---	---	24.9	20.5	22.6	20.6	19.5	20.0	17.8	15.1	16.7
25	---	---	---	24.6	20.8	22.8	20.9	19.4	20.1	---	14.2	---
26	---	---	---	23.3	21.3	22.5	21.1	19.5	20.3	---	---	---
27	---	---	---	25.3	19.7	22.3	---	---	---	---	---	---
28	---	---	---	24.8	20.5	22.9	---	---	---	---	---	---
29	---	---	---	25.5	21.3	23.4	---	---	---	---	---	---
30	---	---	---	24.4	21.3	22.9	---	---	---	---	---	---
31	---	---	---	25.0	20.9	22.7	---	---	---	---	---	---
MONTH	---	---	---	28.6	16.1	22.4	26.4	18.9	22.0	22.7	12.2	17.6
YEAR	28.6	-.4	12.0									

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)
May 21	0153	*19,100	*10.96				

Minimum discharge, 984 ft^3/s, Sep 8, 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2680	2730	2270	2120	1930	2970	4890	5320	13200	2620	1220	1220
2	2650	2280	2260	1980	1920	3020	4590	e7000	11900	2630	1180	1160
3	2380	2230	2210	2000	1810	2860	4100	e8200	11200	2540	1140	1160
4	2210	2200	2080	1990	1740	2630	3770	e9000	10600	2480	1120	1150
5	2080	2190	2030	1880	1740	2630	3600	e9500	10200	2330	1160	1110
6	1970	2160	2010	1790	1900	2610	3480	10400	9690	2220	1420	1090
7	1890	2140	1930	1690	1970	2620	3810	9820	9100	2050	1220	1050
8	1860	2130	1980	1650	2010	2620	4470	8520	8510	1890	1170	1010
9	1860	2150	2200	1680	1980	2640	5070	8010	7720	1800	1220	1000
10	1850	2180	2290	1560	2030	2690	5280	7780	6990	1730	1340	1000
11	2340	2160	2440	1640	2010	2980	5380	7580	6490	1670	1260	1010
12	2410	2080	2230	1660	1940	3020	5590	7710	6440	1740	1400	1010
13	2270	2120	2420	1690	1890	3270	4930	e8150	6390	1700	1450	1090
14	2400	2140	2430	1720	1910	3370	4530	e9200	6070	1710	1370	1440
15	2290	2070	2390	1710	2010	3470	4300	e10500	5880	1750	1270	1200
16	2140	1870	2500	1740	2010	3510	4140	13000	5700	1730	1270	1090
17	2050	1790	2290	1870	2030	3440	3960	14500	5440	1680	1440	1100
18	1960	1760	2310	1790	2070	3220	3850	16100	4990	1700	1410	1170
19	1930	1660	1950	1610	2090	2970	3790	17900	4600	1700	1390	1220
20	1930	1730	1960	1480	2130	2960	3700	18300	4250	1620	1480	1200
21	1920	1830	1460	1380	2210	2970	3710	18500	3900	1540	1620	1230
22	1930	1730	1370	1550	2270	2900	3860	17300	3560	1480	1360	1310
23	1970	1590	1310	1870	2530	2850	4400	16900	3530	1420	1330	1410
24	2000	1710	1800	1950	2750	2970	5540	16400	3400	1380	1380	1530
25	2020	1910	2130	1810	3020	3180	6640	15400	3220	1360	1520	1390
26	2040	2050	2360	1790	3350	3710	6250	15000	3060	1340	1460	1280
27	2050	2120	2410	1840	3220	3900	5540	14700	2960	1280	1430	1280
28	2060	2330	2290	1850	3100	4120	5310	14500	2870	1230	1310	1290
29	2050	2450	2280	1850	---	4490	4850	14200	2660	1200	1290	1280
30	2140	2370	2230	1820	---	4340	4570	13600	2600	1190	1380	1260
31	2870	---	2010	1850	---	4520	---	13300	---	1210	1300	---
TOTAL	66200	61860	65830	54810	61570	99450	137900	376290	187120	53920	41310	35740
MEAN	2135	2062	2124	1768	2199	3208	4597	12140	6237	1739	1333	1191
MAX	2870	2730	2500	2120	3350	4520	6640	18500	13200	2630	1620	1530
MIN	1850	1590	1310	1380	1740	2610	3480	5320	2600	1190	1120	1000
AC-FT	131300	122700	130600	108700	122100	197300	273500	746400	371200	107000	81940	70890

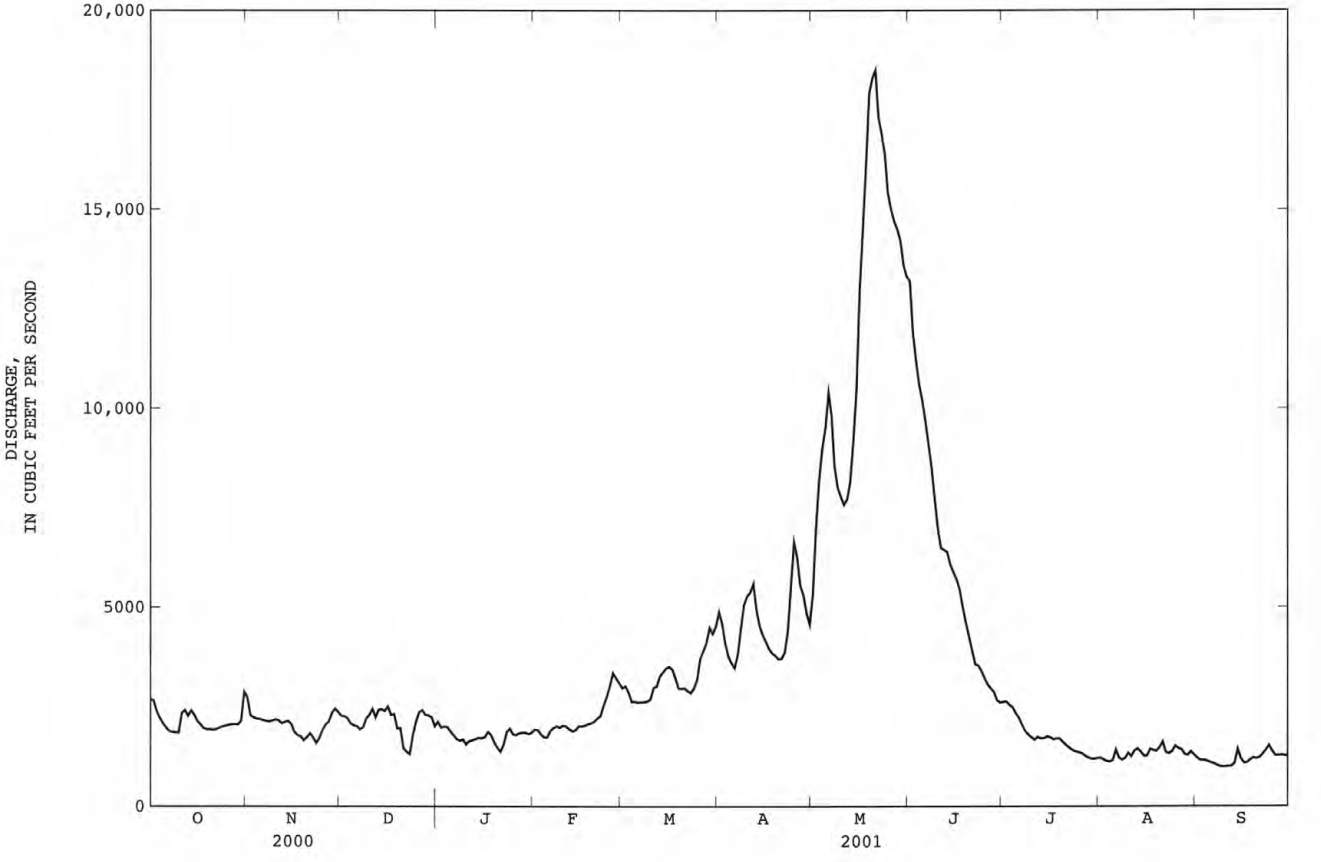
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2001, BY WATER YEAR (WY)

MEAN	3075	2951	2428	2376	2903	4655	7385	15490	18710	7838	3685	2862
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1906 - 2001	
ANNUAL TOTAL	1476800		1242000			
ANNUAL MEAN	4035		3403		6202	
HIGHEST ANNUAL MEAN					12280	1907
LOWEST ANNUAL MEAN					1805	1934
HIGHEST DAILY MEAN	18400	Jun 3	18500	May 21	66700	Jun 27 1917
LOWEST DAILY MEAN	1310	Dec 23	1000	Sep 9	380	Dec 5 1934
ANNUAL SEVEN-DAY MINIMUM	1440	Aug 10	1020	Sep 6	419	Jul 30 1934
ANNUAL RUNOFF (AC-FT)	2929000		2464000		4493000	
10 PERCENT EXCEEDS	9190		7710		15100	
50 PERCENT EXCEEDS	2520		2130		3510	
90 PERCENT EXCEEDS	1660		1280		1550	

e Estimated



09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

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 and Jul 5, 6, 8, 12, Aug 5, 2001; 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, 1,170 microsiemens, Aug 6; minimum observed, 330 microsiemens, Jun 2.
WATER TEMPERATURE: Maximum observed, 30.0°C, Jul 5, 6, 8, 12, Aug 5; minimum observed, 0.0°C, Dec 14, 18, 19, 20, Jan 17, Feb 1, 2.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	GAGE HEIGHT (FEET) (00065)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT								
16...	1030	2170	8.3	800	11.0	11.0	6.05	507
NOV								
15...	1055	2050	8.3	820	3.5	3.0	6.03	546
JAN								
04...	1300	1770	8.4	860	-5.0	0	5.81	558
FEB								
02...	0940	2030	8.3	870	-2.5	1.0	5.87	572
MAR								
29...	1045	4500	8.2	820	10.0	11.0	7.05	522
APR								
27...	1100	5380	8.3	590	15.5	14.5	7.41	400
MAY								
31...	0815	13600	8.2	350	21.0	18.5	9.61	210
JUN								
29...	0800	2630	8.4	570	23.5	22.5	6.31	370
JUL								
24...	0945	1400	8.4	760	25.0	22.5	5.67	502

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	840	850	880	840	840	850	950	---	370	540	720	790
2	810	---	---	850	850	870	840	600	330	540	700	---
3	820	---	---	860	950	850	840	560	335	530	730	800
4	830	900	870	860	860	860	830	490	345	540	720	800
5	810	900	870	870	860	930	820	440	335	550	670	850
6	810	890	860	860	840	880	830	430	335	560	1170	930
7	820	920	870	860	840	880	---	440	355	560	680	---
8	800	910	870	870	840	900	860	445	350	560	---	870
9	780	900	---	880	830	900	850	470	345	570	680	840
10	780	870	900	880	---	880	850	490	355	590	1000	850
11	880	870	870	860	820	930	800	490	375	600	850	850
12	---	860	870	---	800	840	740	---	395	600	750	840
13	840	870	860	860	800	840	---	530	405	620	810	840
14	780	850	850	850	840	850	720	---	410	620	750	850
15	800	860	840	840	810	860	730	445	415	640	780	---
16	800	870	850	840	830	900	750	405	---	740	800	800
17	840	880	840	840	830	890	760	385	420	720	830	840
18	---	870	840	840	830	870	780	375	430	790	800	840
19	850	880	830	860	830	880	800	380	435	710	760	840
20	840	880	860	830	820	860	820	370	435	680	---	840
21	830	920	---	840	800	890	810	375	450	690	820	830
22	870	930	880	860	810	930	800	365	475	690	790	830
23	---	970	910	870	810	920	790	360	485	700	770	820
24	870	960	910	870	840	900	760	350	510	680	---	840
25	870	---	900	890	790	---	730	350	510	690	---	840
26	870	940	920	880	780	860	650	370	530	760	780	830
27	870	---	920	860	760	840	590	385	---	710	750	810
28	850	910	890	850	790	830	560	380	560	690	750	800
29	850	880	880	850	---	830	570	380	570	690	780	810
30	1000	870	850	870	---	810	590	370	600	720	750	800
31	870	---	860	840	---	840	---	---	---	720	750	---
MEAN	839	893	872	858	826	872	765	423	424	645	783	833

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.0	10.0	3.0	1.0	.0	4.0	12.0	---	21.5	28.0	27.5	25.0
2	19.5	---	---	2.0	.0	4.0	14.0	15.0	21.0	28.0	27.5	---
3	19.0	---	---	1.0	5.0	5.0	13.0	15.0	21.0	27.0	28.0	26.0
4	18.0	9.0	2.0	2.0	3.0	6.0	14.0	15.0	20.0	27.0	29.0	25.0
5	19.0	8.0	2.0	2.0	2.0	6.0	11.0	14.0	20.0	30.0	30.0	25.0
6	18.0	7.5	2.0	2.0	2.0	8.0	14.0	15.0	20.0	30.0	28.0	24.0
7	17.0	7.0	1.0	2.0	4.0	7.0	---	15.0	22.0	27.0	28.0	---
8	15.0	5.0	1.5	1.0	3.5	10.0	12.0	16.0	23.0	30.0	---	21.0
9	16.0	6.0	---	1.0	1.0	9.0	13.0	18.0	25.0	28.0	28.0	21.0
10	15.0	5.0	2.0	1.0	---	10.0	11.0	19.0	23.0	28.0	27.5	21.0
11	14.0	5.0	2.0	1.0	3.0	9.0	11.0	20.0	25.0	27.0	28.0	19.0
12	---	5.0	1.0	---	1.5	10.0	10.0	---	22.5	30.0	27.0	22.0
13	14.0	5.0	1.0	2.0	3.5	10.0	---	19.0	21.0	27.0	25.0	20.0
14	15.0	2.0	.0	2.0	3.0	10.0	13.0	---	20.0	25.0	26.0	23.0
15	13.0	4.0	1.0	1.0	4.0	10.0	14.0	20.0	19.0	25.0	26.0	---
16	13.0	3.0	2.0	2.0	1.0	8.0	15.0	20.0	---	25.0	25.0	23.0
17	14.0	3.0	1.0	.0	4.0	8.0	17.0	19.0	23.5	25.0	25.0	23.0
18	---	1.0	.0	1.0	3.0	10.0	17.0	18.0	24.0	25.0	26.0	22.0
19	14.0	2.0	.0	1.0	4.0	11.0	18.0	18.0	25.0	25.0	25.5	21.0
20	15.0	1.5	.0	2.0	3.5	11.0	15.0	18.5	24.0	26.0	---	23.0
21	14.0	1.0	---	2.0	6.0	12.0	14.0	17.0	27.0	25.0	24.0	21.0
22	14.0	1.0	2.0	1.0	6.0	12.0	15.0	18.0	26.5	27.0	24.0	20.5
23	---	3.0	1.0	2.0	3.0	15.0	16.0	19.0	26.5	25.0	25.0	22.0
24	12.0	2.0	1.0	1.0	5.0	13.0	16.0	20.0	26.0	24.0	---	22.0
25	13.0	---	2.0	2.0	5.0	---	17.0	20.0	25.0	26.0	---	22.0
26	13.0	3.0	2.0	1.0	3.0	14.0	19.0	19.0	24.0	25.0	26.0	21.0
27	12.0	---	2.0	1.5	3.0	14.0	18.0	21.0	---	24.0	27.0	21.0
28	12.0	3.0	2.0	1.5	3.0	14.0	19.0	20.0	24.0	25.0	25.0	21.5
29	12.0	3.0	1.0	1.0	---	14.0	20.0	21.0	27.0	25.0	26.5	21.0
30	10.0	3.0	1.0	2.0	---	13.0	19.0	20.0	25.0	26.0	25.0	22.0
31	10.0	---	2.0	1.0	---	12.0	---	---	---	25.0	26.0	---
MEAN	14.6	4.2	1.4	1.4	3.1	10.0	14.9	18.1	23.3	26.5	26.5	22.1

09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in NE¼NE¼SE¼ sec. 14, T. 14 S., R. 6 E., Emery County, Hydrologic Unit 14060009, 25 mi northwest of Huntington, 21 mi east of Fairview.

DRAINAGE AREA.--31.0 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.

REMARKS.--Records good.

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, 21,040 acre-ft Jun 4, elevation 8,549.49 ft; minimum contents 13,410 acre-ft Sep 30, elevation, 8,522.80 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18740	18360	18060	17710	17280	16920	16580	17330	20970	20690	19690	17390
2	18740	18360	18040	17700	17270	16910	16580	17540	21000	20660	19630	17270
3	18730	18350	18040	17680	17250	16900	16580	17660	21000	20630	19570	17150
4	18730	18340	18030	17670	17240	16890	16570	17740	21040	20610	19510	17040
5	18720	18330	18030	17650	17230	16850	16570	17800	21030	20560	19430	16900
6	18720	18320	18020	17640	17210	16830	16580	17880	21020	20550	19380	16780
7	18710	18320	18020	17620	17200	16810	16590	17950	21010	20550	19310	16620
8	18710	18310	18020	17610	17190	16800	16600	18000	21010	20520	19270	16480
9	18690	18300	18020	17590	17180	16760	16610	18140	21000	20520	19210	16320
10	18670	18290	18020	17580	17160	16750	16620	18330	21000	20500	19160	16180
11	18650	18280	18010	17560	17150	16740	16620	18520	20980	20460	19090	16010
12	18620	18280	18010	17550	17140	16740	16600	18710	21000	20420	19030	15810
13	18600	18270	17990	17540	17120	16730	16580	18910	21000	20410	19000	15640
14	18580	18260	17980	17520	17110	16720	16560	19060	20980	20360	18930	15440
15	18560	18260	17960	17510	17100	16710	16560	19250	20950	20340	18880	15250
16	18540	18250	17950	17490	17090	16700	16540	19430	20940	20310	18850	15070
17	18520	18240	17930	17480	17080	16700	16550	19680	20930	20280	18770	14920
18	18500	18230	17920	17470	17060	16690	16560	19880	20920	20250	18690	14750
19	18480	18220	17900	17450	17050	16660	16580	20040	20900	20210	18620	14580
20	18470	18210	17890	17440	17040	16630	16630	20190	20890	20180	18540	14480
21	18460	18200	17870	17430	17020	16630	16660	20340	20870	20140	18470	14360
22	18450	18180	17860	17410	17010	16620	16700	20430	20840	20100	18380	14230
23	18440	18170	17840	17400	17000	16610	16700	20520	20830	20070	18290	14110
24	18430	18150	17830	17390	16990	16610	16710	20600	20820	20020	18200	13980
25	18420	18140	17810	17370	16970	16610	16710	20680	20790	20010	18090	13860
26	18410	18130	17800	17360	16960	16600	16760	20740	20810	19980	18000	13770
27	18400	18110	17780	17350	16950	16600	16840	20800	20770	19920	17910	13670
28	18400	18100	17770	17340	16940	16600	16920	20870	20730	19880	17810	13580
29	18390	18080	17760	17320	---	16590	17070	20910	20720	19820	17720	13500
30	18380	18070	17740	17310	---	16590	17200	20950	20690	19790	17620	13410
31	18370	---	17720	17290	---	16590	---	20960	---	19750	17490	---
MAX	18740	18360	18060	17710	17280	16920	17200	20960	21040	20690	19690	17390
MIN	18370	18070	17720	17290	16940	16590	16540	17330	20690	19750	17490	13410
(#)	8541.19	8540.19	8539.02	8537.54	8536.30	8535.05	8537.20	8549.28	8548.48	8545.60	8538.21	8522.80
(*)	-350	-300	-350	-430	-350	-350	+610	+3760	-270	-940	-2260	-4080

CAL YR 2000.....(*) -5140
WTR YR 2001.....(*) -5310

(#) 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 SE¼NE¼SW¼, 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. 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.--18 years, 79.8 ft^3/s, 57,820 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	30	14	18	21	14	29	105	122	84	75	63
2	68	28	14	18	21	16	34	101	121	81	75	64
3	67	26	15	18	20	15	36	76	121	86	82	64
4	73	27	13	18	19	16	32	67	123	95	88	66
5	73	32	14	18	19	16	32	90	128	93	86	76
6	71	30	13	19	18	16	32	97	128	92	82	79
7	71	24	13	18	18	16	32	96	127	94	78	77
8	70	24	12	18	18	17	30	105	125	96	77	79
9	70	27	12	20	18	18	29	128	123	97	78	78
10	74	24	13	21	22	19	27	156	119	100	75	78
11	66	22	14	19	27	18	26	171	125	99	72	85
12	57	21	14	19	23	17	27	146	124	96	68	105
13	51	19	14	18	22	21	27	148	96	95	69	112
14	46	18	13	20	22	21	29	158	100	95	70	105
15	45	21	14	19	18	22	30	164	98	98	65	95
16	45	18	14	19	18	20	33	179	96	93	54	94
17	42	16	14	18	19	20	36	221	93	86	65	97
18	37	17	14	20	18	20	43	185	91	79	70	94
19	38	19	14	21	16	21	48	174	90	70	68	83
20	37	18	19	22	16	22	49	167	93	68	68	65
21	44	18	19	19	16	23	42	151	91	70	70	68
22	43	21	17	21	16	25	38	138	91	73	62	68
23	44	21	17	20	16	29	35	137	92	76	54	67
24	51	18	17	19	15	28	36	134	97	81	56	65
25	39	17	18	21	16	29	54	131	92	85	57	66
26	38	20	16	20	16	30	67	131	99	87	56	60
27	45	19	18	19	14	27	72	128	99	84	55	57
28	47	17	18	19	14	27	79	120	92	81	55	53
29	42	16	16	20	---	26	98	113	90	79	60	53
30	44	17	18	19	---	28	94	115	90	78	67	52
31	44	---	18	19	---	28	---	123	---	78	66	---
TOTAL	1652	645	469	597	516	665	1276	4155	3176	2669	2123	2268
MEAN	53.3	21.5	15.1	19.3	18.4	21.5	42.5	134	106	86.1	68.5	75.6
MAX	74	32	19	22	27	30	98	221	128	100	88	112
MIN	37	16	12	18	14	14	26	67	90	68	54	52
AC-FT	3280	1280	930	1180	1020	1320	2530	8240	6300	5290	4210	4500

CAL YR 2000 TOTAL 26069 MEAN 71.2 MAX 242 MIN 12 AC-FT 51710
WTR YR 2001 TOTAL 20211 MEAN 55.4 MAX 221 MIN 12 AC-FT 40090

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE¼SE¼SE¼ sec. 14, T. 17 S., R. 4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above sea level. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.01	.51	e40	e4.8	.63	.09
2	---	---	---	---	---	---	e.10	.80	e36	4.1	.60	.07
3	---	---	---	---	---	---	e.22	e.62	e30	4.4	1.2	.07
4	---	---	---	---	---	---	e.30	e.54	e24	4.0	.81	.06
5	---	---	---	---	---	---	.21	e.49	e22	e4.4	.52	.06
6	---	---	---	---	---	---	.08	.57	22	e4.6	.46	.06
7	---	---	---	---	---	---	.07	.96	e21	e3.8	.41	.08
8	---	---	---	---	---	---	.07	1.4	21	e4.4	.35	.08
9	---	---	---	---	---	---	.04	e2.6	e20	e3.7	.39	.08
10	---	---	---	---	---	---	.01	e6.0	e17	e3.3	.37	.08
11	---	---	---	---	---	---	.00	e12	e16	e3.0	.26	.08
12	---	---	---	---	---	---	.00	e15	e15	e2.7	.20	.07
13	---	---	---	---	---	---	.00	e15	e13	e2.5	.36	.07
14	---	---	---	---	---	---	.00	e28	11	e2.6	.35	.08
15	---	---	---	---	---	---	.01	e50	e9.7	e2.8	.18	.15
16	---	---	---	---	---	---	.21	e70	9.3	e2.2	.14	.14
17	---	---	---	---	---	---	.51	e72	e8.8	e2.1	.11	.14
18	---	---	---	---	---	---	.38	e56	e8.4	e1.8	.09	.12
19	---	---	---	---	---	---	.11	64	e7.6	e1.6	.07	.11
20	---	---	---	---	---	---	.02	66	e7.3	e1.2	.08	e.10
21	---	---	---	---	---	---	.00	e48	7.0	e1.6	.08	e.11
22	---	---	---	---	---	---	.00	e50	6.6	e1.3	.06	e.10
23	---	---	---	---	---	---	e.10	e54	6.2	e1.0	.06	e.09
24	---	---	---	---	---	---	e.50	e53	e6.0	e.76	.07	e.08
25	---	---	---	---	---	---	e1.4	e53	e5.6	e.82	.07	e.08
26	---	---	---	---	---	---	e1.1	e55	5.8	e.92	.09	e.07
27	---	---	---	---	---	---	e.40	e54	5.4	e1.0	.09	e.06
28	---	---	---	---	---	---	e.20	e50	4.8	e1.0	.10	e.07
29	---	---	---	---	---	---	.07	e52	4.8	e.90	.11	e.08
30	---	---	---	---	---	---	.15	e54	e5.6	e.80	.12	e.06
31	---	---	---	---	---	---	---	e44	---	.73	.11	---
TOTAL	---	---	---	---	---	---	6.27	1029.49	416.9	74.83	8.54	2.59
MEAN	---	---	---	---	---	---	.21	33.2	13.9	2.41	.28	.086
MAX	---	---	---	---	---	---	1.4	72	40	4.8	1.2	.15
MIN	---	---	---	---	---	---	.00	.49	4.8	.73	.06	.06
AC-FT	---	---	---	---	---	---	12	2040	827	148	17	5.1

e Estimated

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

LOCATION.--Lat 39°25'34", long 111°21'51", in NW¼SW¼SE¼ sec. 16, T. 16 S., R. 5 E., Sanpete County, Hydrologic Unit 14060009, at west portal of tunnel, 11 mi east of Spring City.

PERIOD OF RECORD.--October 1949 to current year. Monthly discharges only for October 1949 to September 1960. Figures of daily discharge available from Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 9,838 ft above 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, July 23, 1965; possibly no flow at times in some years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.70	e5.0	e16	4.2	1.5	1.0
2	---	---	---	---	---	---	e.80	e4.5	e15	4.1	1.5	.98
3	---	---	---	---	---	---	e1.0	e3.9	e14	3.9	2.9	.97
4	---	---	---	---	---	---	e1.3	e3.8	e13	3.6	1.7	.92
5	---	---	---	---	---	---	e1.4	e4.1	e13	4.4	1.5	.92
6	---	---	---	---	---	---	e1.1	e5.2	e12	4.0	1.5	.90
7	---	---	---	---	---	---	e.80	e6.4	e12	3.7	1.5	.90
8	---	---	---	---	---	---	e.70	e8.5	e11	3.5	1.7	.90
9	---	---	---	---	---	---	e.66	e11	e11	3.5	1.6	.88
10	---	---	---	---	---	---	e.60	e13	e10	e2.1	1.6	.85
11	---	---	---	---	---	---	e.50	e15	e9.7	1.2	1.5	.86
12	---	---	---	---	---	---	e.65	e19	e9.4	2.8	1.4	.84
13	---	---	---	---	---	---	e1.0	e19	e9.0	2.7	1.8	.90
14	---	---	---	---	---	---	e1.7	e22	8.9	2.8	1.4	.83
15	---	---	---	---	---	---	e1.9	e23	8.3	3.0	1.3	.79
16	---	---	---	---	---	---	e2.1	e24	7.9	2.5	1.3	.88
17	---	---	---	---	---	---	e1.8	e22	7.5	2.4	1.3	1.0
18	---	---	---	---	---	---	e1.5	e18	7.1	2.3	1.2	.84
19	---	---	---	---	---	---	e1.4	e16	6.8	2.2	1.2	.78
20	---	---	---	---	---	---	e1.3	e14	6.4	2.1	1.3	.75
21	---	---	---	---	---	---	e1.3	e13	6.2	2.1	1.3	.76
22	---	---	---	---	---	---	e1.4	e15	5.9	2.0	1.2	.74
23	---	---	---	---	---	---	e1.5	e18	5.9	1.9	1.2	.72
24	---	---	---	---	---	---	e1.7	e21	5.9	e1.8	1.1	.69
25	---	---	---	---	---	---	e1.9	e22	5.4	1.7	1.1	.69
26	---	---	---	---	---	---	e1.8	e19	5.6	3.0	1.1	.68
27	---	---	---	---	---	---	e2.3	e18	5.2	1.8	1.0	.66
28	---	---	---	---	---	---	e2.7	e20	4.8	1.6	1.0	.67
29	---	---	---	---	---	---	e3.2	e22	4.6	1.6	1.0	.70
30	---	---	---	---	---	---	e4.0	e19	4.4	1.5	1.2	.68
31	---	---	---	---	---	---	---	e17	---	1.5	1.0	---
TOTAL	---	---	---	---	---	---	44.71	461.4	261.9	81.5	42.9	24.68
MEAN	---	---	---	---	---	---	1.49	14.9	8.73	2.63	1.38	.82
MAX	---	---	---	---	---	---	4.0	24	16	4.4	2.9	1.0
MIN	---	---	---	---	---	---	.50	3.8	4.4	1.2	1.0	.66
AC-FT	---	---	---	---	---	---	89	915	519	162	85	49

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39°17'20", long 111°16'10", in NW¼NE¼ sec. 5, T. 18 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on Seeley Creek 5.2 mi upstream from Cottonwood Creek, and 12.6 mi west of Orangeville.

DRAINAGE AREA.--146 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 5-11, elevation, 6,989.7 ft; minimum observed, 39,090 acre-ft, Sep 30, elevation, 6,967.6 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep 30.....	6,969.0	40,310	--
Oct 31.....	6,968.4	39,780	-530
Nov 30.....	6,968.4	39,780	0
Dec 31.....	6,968.8	40,130	+350
CAL YR 2000	--	--	-2,510
Jan 31.....	6,969.9	41,100	+970
Feb 28.....	6,970.8	41,910	+810
Mar 31.....	6,972.4	43,380	+1,470
Apr 30.....	6,973.5	44,410	+1,030
May 31.....	6,988.9	60,660	+16,250
Jun 30.....	6,986.0	57,360	-3,300
Jul 31.....	6,979.4	50,240	-7,120
Aug 31.....	6,973.5	44,410	-5,830
Sep 30.....	6,967.6	39,090	-5,320
WTR YR 2001	--	--	-1,220

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE¼SE¼SW¼ sec. 2, T. 20 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on right bank 1.8 mi upstream from Dry Wash and 4.5 mi west of Ferron.

DRAINAGE AREA.--138 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: 195(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 19	2230	*564	*5.01				

Minimum daily discharge, 8.2 ft^3/s, Jan 20.

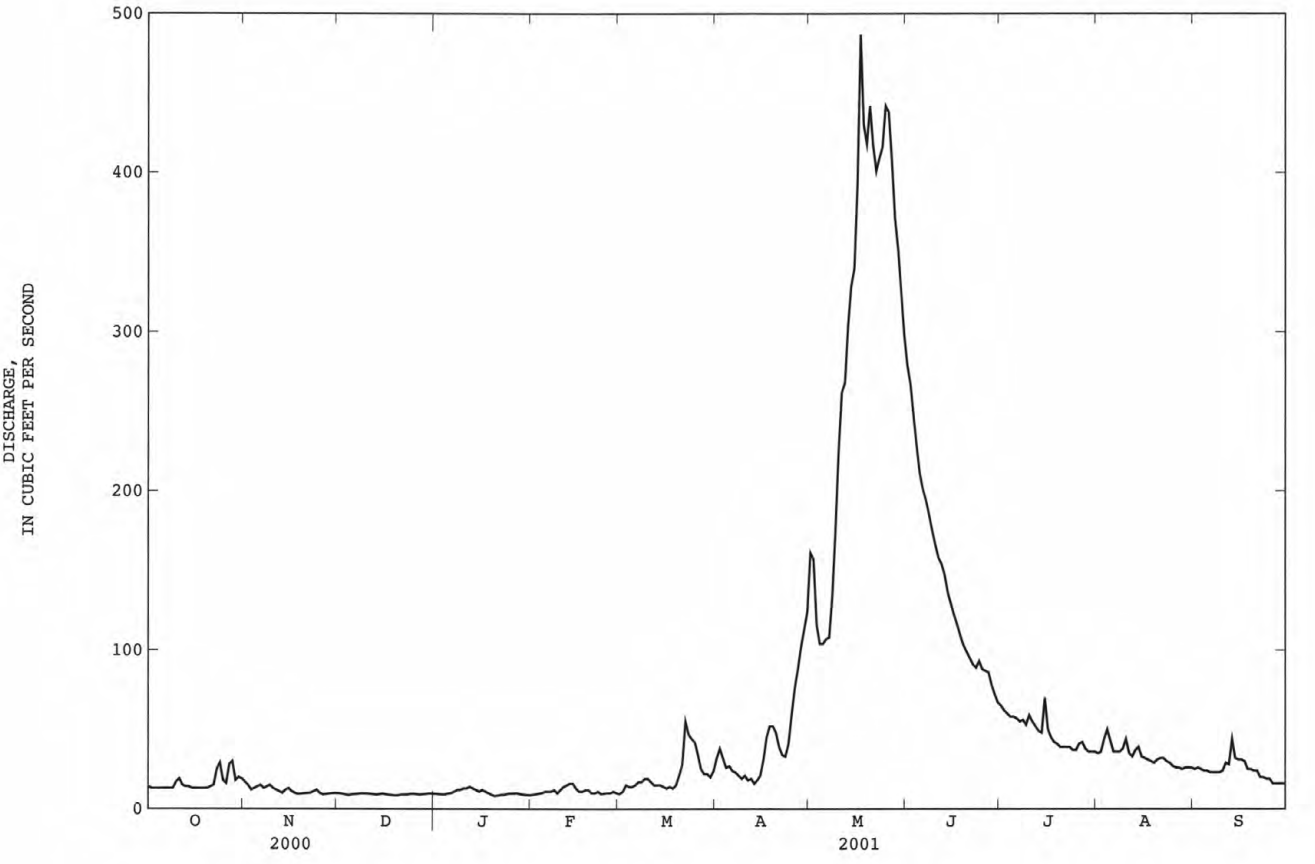
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	e9.8	e9.6	e9.0	e9.6	32	161	279	65	35	25
2	13	15	e9.6	e9.4	e9.4	e11	38	157	267	62	36	26
3	13	12	e9.2	e9.2	e9.7	15	32	116	247	60	44	25
4	13	13	e8.7	e9.2	e10	14	26	104	228	58	50	24
5	13	14	e9.0	e9.8	e11	14	27	104	211	58	43	24
6	13	15	e9.4	e10	e11	15	24	107	201	57	36	23
7	13	e13	e9.4	e11	e11	17	23	108	194	55	36	23
8	13	e14	e9.7	e12	e12	17	21	134	185	56	36	23
9	13	15	e9.7	e12	e10	19	19	175	175	53	38	23
10	17	13	e9.7	e13	e12	19	21	225	166	59	44	24
11	19	e12	e9.5	e13	e14	17	18	262	158	55	35	29
12	15	e11	e9.3	e14	e15	15	19	268	154	52	33	28
13	14	e10	e9.0	e13	e16	15	16	304	147	49	37	44
14	14	e12	e9.3	e12	e16	15	18	329	136	48	39	32
15	13	e13	e9.6	e11	e13	e14	21	340	129	70	33	31
16	13	e11	e9.3	e12	e11	13	31	393	122	50	32	31
17	13	e10	e9.0	e11	e11	14	45	487	116	45	31	30
18	13	e9.3	e8.8	e10	e12	13	52	430	109	42	30	25
19	13	e9.5	e8.6	e9.0	e12	15	52	418	103	41	29	25
20	13	e9.7	e8.6	e8.2	e10	21	48	442	99	39	31	24
21	14	e9.9	e9.1	e8.5	e10	28	39	417	95	39	32	24
22	15	e10	e9.1	e9.0	e11	55	34	401	91	39	32	20
23	25	e11	e9.1	e9.0	e9.6	47	33	409	89	39	30	20
24	29	e12	e9.5	e9.6	e9.8	44	41	416	93	e37	29	19
25	18	e10	e9.5	e9.8	e10	42	59	442	88	37	27	19
26	16	e9.1	e9.3	e9.8	e10	34	76	438	87	41	26	16
27	28	e9.3	e9.1	e10	e11	25	88	407	86	42	26	16
28	30	e9.6	e9.3	e9.5	e10	22	102	371	78	38	25	16
29	18	e9.8	e9.5	e9.2	---	22	113	352	72	36	26	16
30	20	e10	e9.8	e9.0	---	20	124	325	67	36	26	16
31	19	---	e9.6	e8.8	---	24	---	298	---	36	26	---
TOTAL	507	349.2	288.1	320.6	316.5	665.6	1292	9340	4272	1494	1033	721
MEAN	16.4	11.6	9.29	10.3	11.3	21.5	43.1	301	142	48.2	33.3	24.0
MAX	30	17	9.8	14	16	55	124	487	279	70	50	44
MIN	13	9.1	8.6	8.2	9.0	9.6	16	104	67	36	25	16
AC-FT	1010	693	571	636	628	1320	2560	18530	8470	2960	2050	1430
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-2001, BY WATER YEAR (WY)												
MEAN	18.2	13.8	10.8	9.15	10.2	14.1	44.8	222	291	98.8	41.5	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1912-23, 1948-2001	
ANNUAL TOTAL	16559.3		20599.0			
ANNUAL MEAN	45.2		56.4		66.6	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	386	May 24	487	May 17	1240	Jun 7 1984
LOWEST DAILY MEAN	8.6	Dec 19	8.2	Jan 20	1.0	Mar 22 1912
ANNUAL SEVEN-DAY MINIMUM	8.9	Dec 17	8.9	Dec 17	2.6	Jan 4 1960
ANNUAL RUNOFF (AC-FT)	32850		40860		48280	
10 PERCENT EXCEEDS	141		155		197	
50 PERCENT EXCEEDS	16		21		18	
90 PERCENT EXCEEDS	9.8		9.5		8.0	

e Estimated



09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT

LOCATION.--Lat 38°51'30", long 110°22'10", in SE¼SE¼NW¼ 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)
Oct 31	1915	*862	*6.84				

Minimum daily discharge, 0.70 ft^3/s, Aug 5.

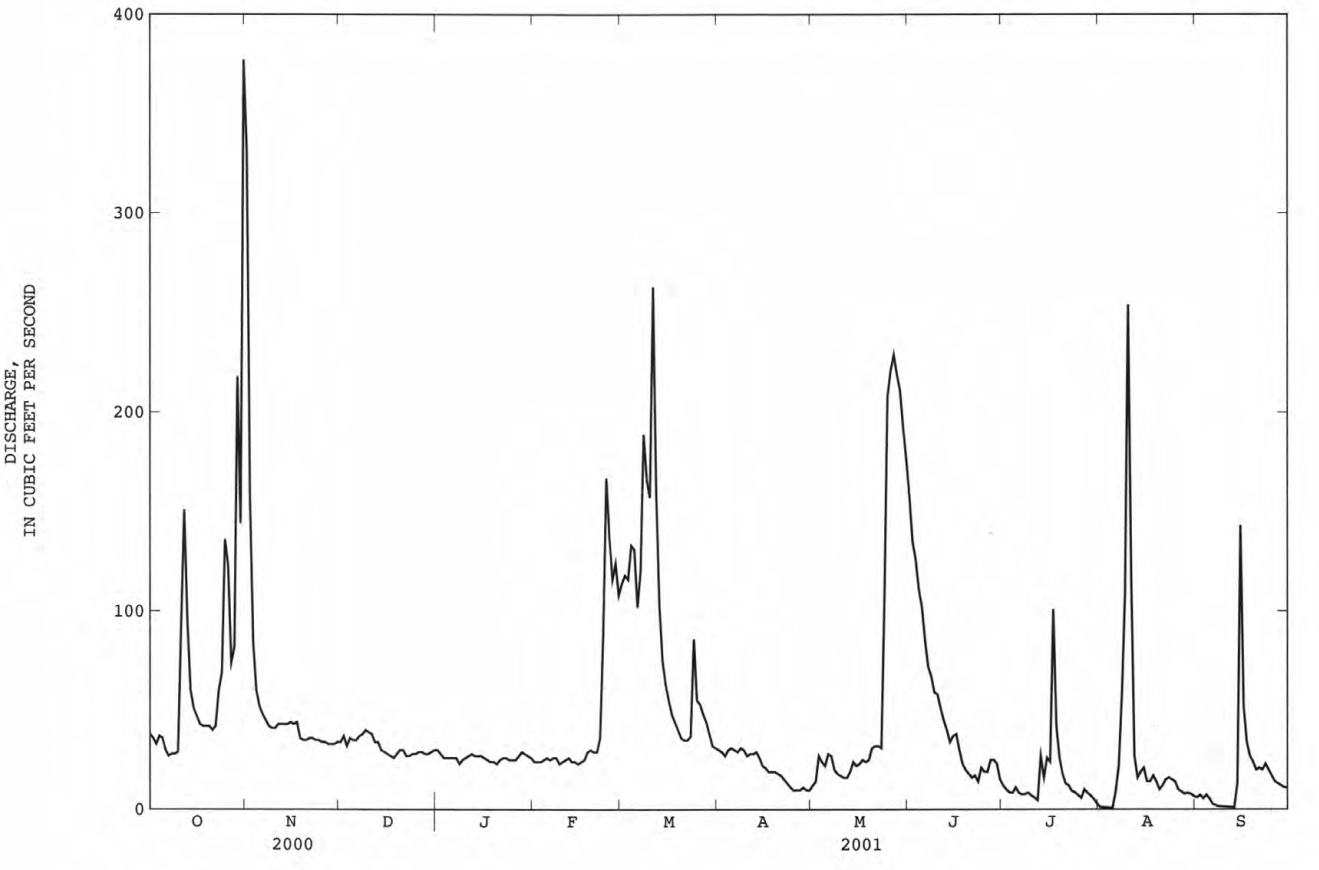
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	331	34	e30	e24	114	30	12	158	12	e1.2	6.0
2	36	157	37	e28	e24	118	29	14	135	10	e1.0	7.2
3	33	84	32	e26	e24	116	e27	27	126	8.5	e.90	5.5
4	37	60	36	e26	e25	133	e30	24	111	8.3	e.80	7.3
5	36	52	e35	e26	e26	131	31	22	102	11	e.70	5.4
6	30	48	e35	e26	e25	102	30	28	85	8.3	e9.0	2.8
7	27	45	e37	e26	e26	120	29	27	72	7.5	22	e2.1
8	28	42	e38	e23	26	189	31	20	67	7.7	58	e1.5
9	28	41	40	e25	23	166	30	18	59	8.3	108	e1.4
10	29	41	39	e26	24	157	27	17	58	6.9	254	e1.3
11	93	43	38	e27	e25	263	28	16	51	5.9	116	e1.2
12	151	43	34	e28	26	160	28	16	45	e4.5	27	e1.1
13	95	43	34	e27	24	103	29	19	40	27	16	e1.0
14	60	43	30	e27	e24	75	26	24	34	16	19	e13
15	51	44	29	e27	23	63	22	22	37	26	21	143
16	47	43	e28	e26	24	55	21	23	38	24	14	52
17	43	44	e27	e25	25	48	19	25	30	101	14	34
18	42	36	e26	e24	29	44	19	24	23	42	17	27
19	42	e35	e28	e24	30	40	19	25	20	26	14	24
20	42	e35	30	e23	29	36	18	31	18	18	10	20
21	40	e36	30	e25	29	35	17	32	16	13	12	21
22	42	e36	e27	e26	36	35	15	32	17	12	15	20
23	60	e35	e27	e26	89	37	13	31	14	9.2	16	23
24	69	e35	e28	e25	167	86	11	108	21	8.5	15	20
25	136	e34	e28	e25	137	55	9.6	208	19	7.1	14	17
26	123	e34	e29	e25	116	53	9.8	221	19	5.7	10	14
27	74	e33	e29	e27	124	48	9.7	229	25	10	8.9	13
28	82	e33	e28	e29	108	44	11	219	25	8.2	7.8	12
29	218	e33	e28	e28	---	38	9.8	211	23	6.9	8.2	11
30	144	e34	e29	e27	---	32	9.6	192	15	5.2	7.8	11
31	377	---	e30	e26	---	31	---	176	---	e3.0	6.6	---
TOTAL	2353	1653	980	809	1312	2727	638.5	2093	1503	467.7	844.90	518.8
MEAN	75.9	55.1	31.6	26.1	46.9	88.0	21.3	67.5	50.1	15.1	27.3	17.3
MAX	377	331	40	30	167	263	31	229	158	101	254	143
MIN	27	33	26	23	23	31	9.6	12	14	3.0	.70	1.0
AC-FT	4670	3280	1940	1600	2600	5410	1270	4150	2980	928	1680	1030
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-2001, BY WATER YEAR (WY)												
MEAN	92.5	67.7	46.9	43.6	70.7	105	103	294	547	154	89.4	76.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910-18, 1946-2001	
ANNUAL TOTAL	14412.7		15899.90			
ANNUAL MEAN	39.4		43.6		141	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					17.6	1990
HIGHEST DAILY MEAN	377	Oct 31	377	Oct 31	7300	Oct 8 1916
LOWEST DAILY MEAN	1.3	Aug 13	.70	Aug 5	.00	Aug 24 1910
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 8	1.4	Sep 7	.00	Aug 15 1915
ANNUAL RUNOFF (AC-FT)	28590		31540		102000	
10 PERCENT EXCEEDS	60		112		308	
50 PERCENT EXCEEDS	34		28		50	
90 PERCENT EXCEEDS	12		8.4		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, 4,510 microsiemens, May 6; minimum observed, 1,020 microsiemens, May 28.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	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)
OCT													
16...	1000	48	8.1	2660	11.0	8.5	--	--	--	--	--	--	--
NOV													
29...	1010	34	8.1	2920	2.0	0	--	--	--	--	--	--	--
JAN													
09...	1000	25	8.0	3460	-3.0	0	1290	255	160	7.39	4.37	361	37.6
FEB													
20...	0900	29	7.9	3090	7.0	3.0	--	--	--	--	--	--	--
APR													
03...	1000	27	8.1	3530	15.0	11.0	--	--	--	--	--	--	--
MAY													
11...	0900	16	8.0	3930	15.0	15.0	--	--	--	--	--	--	--
JUN													
21...	1000	15	8.0	2770	25.0	21.0	975	179	128	8.29	4.15	298	39.7
AUG													
01...	0930	1.2	7.9	440	27.0	18.5	--	--	--	--	--	--	--
SEP													
06...	0930	2.6	7.9	370	26.0	18.0	--	--	--	--	--	--	--

DATE	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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS NO2) (71856)	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)
OCT													
16...	--	--	--	--	--	--	--	--	--	--	--	--	3.21
NOV													
29...	--	--	--	--	--	--	--	--	--	--	--	--	3.06
JAN													
09...	350	65.3	.3	10.1	1700	--	--	--	--	--	--	6.7	--
FEB													
20...	--	--	--	--	--	--	--	--	--	--	--	--	2.93
APR													
03...	--	--	--	--	--	--	--	--	--	--	--	--	2.84
MAY													
11...	--	--	--	--	--	--	--	--	--	--	--	--	2.64
JUN													
21...	257	55.9	.3	7.4	1330	E.031	.042	.054	.030	.009	<.020	5.0	2.63
AUG													
01...	--	--	--	--	--	--	--	--	--	--	--	--	2.20
SEP													
06...	--	--	--	--	--	--	--	--	--	--	--	--	2.36

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
OCT								
16...	--	--	2210	--	--	--	--	3.2
NOV								
29...	--	--	2560	--	--	--	--	--
JAN								
09...	4.2	204	3070	2770	277	<30	35.6	E1.9
FEB								
20...	--	--	2690	--	--	--	--	--
APR								
03...	--	--	3120	--	--	--	--	E1.8
MAY								
11...	--	--	3370	--	--	--	--	--
JUN								
21...	3.3	101	2460	2170	249	--	--	<2.0
AUG								
01...	--	--	4220	--	--	--	--	<2.0
SEP								
06...	--	--	3290	--	--	--	--	--

E Estimated value.
< Actual value is known to be less than the value shown.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2440	1800	---	---	3430	---	3130	4310	1040	2740	---	---
2	---	---	---	---	---	---	3390	4470	1070	2740	---	---
3	---	---	---	3230	---	---	3410	4100	1140	2610	3210	2860
4	---	---	3100	---	---	3070	3350	4340	1210	2690	---	---
5	2450	3080	---	---	3460	---	3780	4050	1290	2970	3000	---
6	---	---	---	---	---	---	3300	4510	1400	3500	---	2760
7	---	---	3160	3330	---	---	3250	4140	1440	3590	---	---
8	2380	3410	---	---	3490	---	3200	4340	1660	3540	---	---
9	---	---	---	---	---	2430	3380	3680	1800	3920	---	2940
10	---	---	2650	---	---	---	3130	3940	1860	3530	2470	---
11	---	---	---	3210	3100	---	3200	3610	1850	3510	---	---
12	---	3350	---	---	---	2270	3180	3860	1940	3250	2640	---
13	2900	---	---	---	---	---	3240	4060	2030	2940	---	2910
14	---	---	2980	3150	---	---	3390	4330	2080	2880	---	---
15	2330	---	---	---	---	3780	3390	4420	2090	1350	---	---
16	---	3070	---	---	3310	---	3510	4120	2530	2670	2460	---
17	---	---	3200	---	---	---	3680	3720	2640	2630	---	2240
18	---	---	---	3210	---	4000	3440	3660	2560	2170	---	---
19	---	2910	---	---	3130	---	3930	3420	2510	2420	3170	---
20	2870	---	3320	---	---	---	4030	3530	2530	2880	---	2910
21	---	---	---	3430	---	---	4120	3360	2580	2980	---	---
22	2750	---	---	---	---	3870	4100	3570	2780	3010	2720	---
23	---	3000	---	---	---	---	4180	3340	2790	2990	---	2920
24	---	---	3720	---	2150	---	4130	3060	2740	2910	---	---
25	---	---	---	3490	---	---	4170	1290	3000	2960	---	---
26	2470	2860	---	---	2920	3090	4190	1070	3030	3110	2600	---
27	---	---	---	---	---	---	4020	1060	3080	3310	---	2950
28	---	---	3400	3330	2880	---	3970	1020	2610	3030	---	---
29	1950	---	---	---	---	2670	3980	1040	2510	3380	3170	---
30	---	2690	---	---	---	---	3900	1080	2510	2980	---	2930
31	---	---	3240	---	---	---	---	1110	---	2950	---	---
MEAN	2500	2910	3200	3300	3100	3150	3640	3280	2140	2970	2830	2820

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'05", in SW¼NE¼NW¼ sec. 7, T. 29 S., R. 4 E., Wayne County, Hydrologic Unit 14070003, on left bank 150 ft upstream of county road bridge, 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. October 1937 to June 28, 1949, staff gages on two canals and river station about 0.25 mi downstream. June 28, 1949 to April 29, 1958, water-stage recorders on river and canal site. April 29 to September 30, 1958, staff gage on river at site 600 ft further downstream from water-stage recorder. October 1, 1976 to April 2, 1990, water-stage recorder at site about 150 ft downstream at datum 3.00 ft higher. Gages at different datums prior to 1976.

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 (could 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, 14, 15, 17, 18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 598 ft^3/s, Mar 24, gage height, 6.05 ft; minimum daily discharge, 50 ft^3/s, Jun 12.

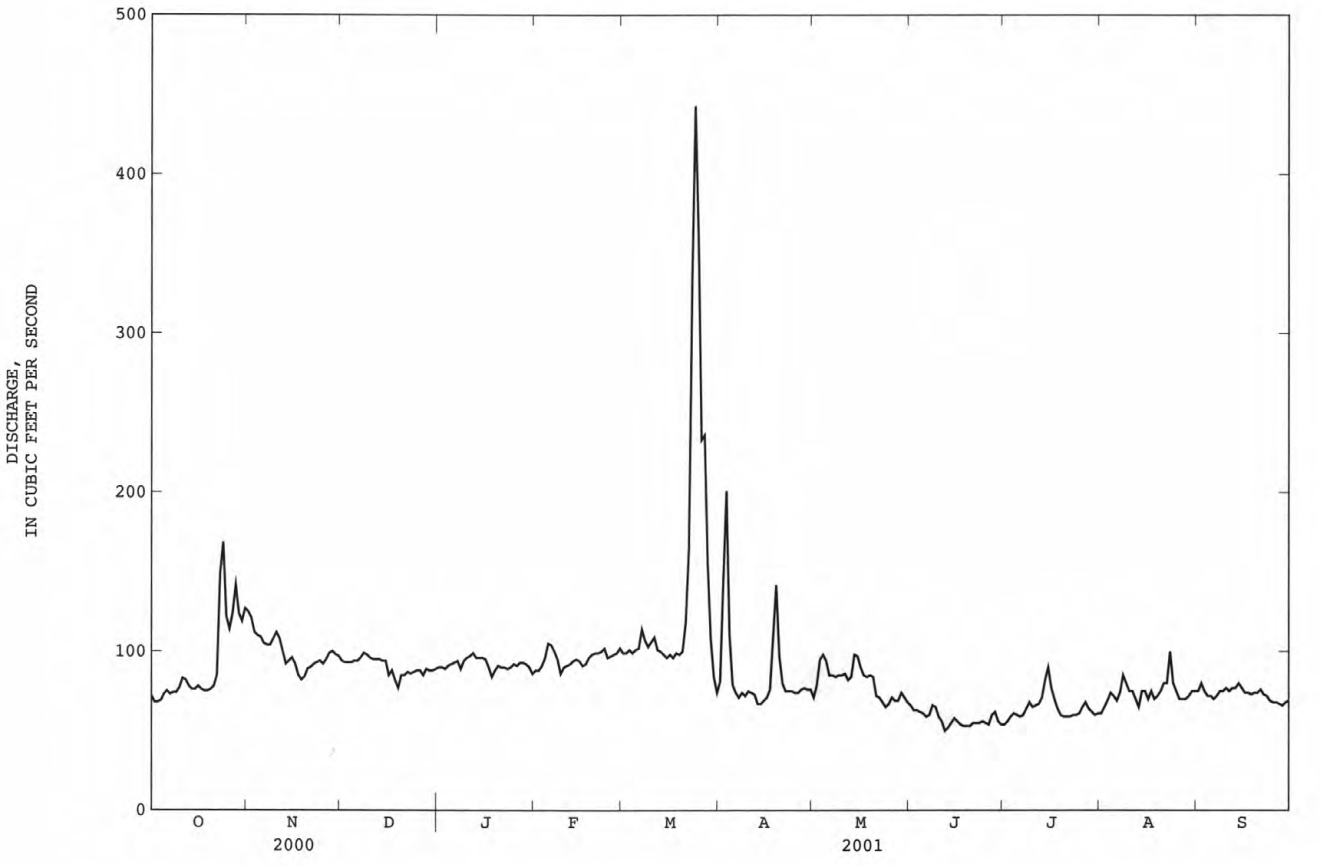
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	125	94	90	e88	99	81	71	66	54	61	e75
2	68	121	93	90	88	99	145	79	63	56	65	e80
3	68	112	93	89	91	101	201	95	63	59	69	e75
4	69	110	93	91	96	99	110	98	62	61	74	e72
5	73	109	94	92	105	101	79	94	61	60	72	e72
6	75	105	94	93	104	102	74	85	59	59	69	e70
7	73	104	96	94	100	114	71	85	60	60	74	e72
8	74	104	99	89	95	107	74	84	66	64	85	e75
9	74	108	98	94	e86	103	72	85	65	68	e80	e75
10	77	112	96	96	90	106	75	85	59	65	e75	e77
11	83	108	e95	97	91	109	74	86	56	66	e75	e75
12	82	e100	95	99	92	101	73	82	e50	67	e70	e77
13	78	e92	e95	96	94	100	67	84	e52	71	e65	e77
14	76	e94	94	96	95	98	67	98	e55	82	e75	e80
15	76	e96	e94	96	e94	96	69	97	58	90	e75	77
16	78	e92	e85	95	91	98	71	90	56	77	e70	74
17	76	e85	88	e90	92	96	76	85	54	70	e75	74
18	75	e82	e82	e84	96	99	109	84	53	64	e70	73
19	75	84	77	e88	98	98	142	85	53	60	e72	74
20	76	89	85	91	99	100	97	84	53	59	e75	74
21	78	90	85	e90	99	118	80	72	55	59	e80	76
22	85	92	87	90	100	165	75	71	55	59	e80	73
23	149	93	86	89	102	334	75	68	55	60	e100	72
24	169	94	87	90	96	443	75	65	56	60	e80	69
25	122	92	88	92	97	362	74	67	55	61	e75	68
26	114	95	e88	91	98	233	74	71	54	65	e70	68
27	124	99	85	93	99	236	76	69	60	68	e70	67
28	142	100	89	93	102	156	77	69	62	64	e70	66
29	124	98	88	e92	---	108	76	74	56	62	e72	68
30	119	97	88	e90	---	84	76	71	54	60	e75	69
31	127	---	89	e86	---	74	---	68	---	61	e75	---
TOTAL	2851	2982	2800	2846	2678	4339	2585	2501	1726	1991	2293	2194
MEAN	92.0	99.4	90.3	91.8	95.6	140	86.2	80.7	57.5	64.2	74.0	73.1
MAX	169	125	99	99	105	443	201	98	66	90	100	80
MIN	68	82	77	84	86	74	67	65	50	54	61	66
AC-FT	5650	5910	5550	5650	5310	8610	5130	4960	3420	3950	4550	4350
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2001, BY WATER YEAR (WY)												
MEAN	86.7	91.0	86.5	89.2	96.6	111	121	87.7	71.9	68.7	75.6	78.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1977 - 2001	
ANNUAL TOTAL	30546		31786			
ANNUAL MEAN	83.5		87.1		88.6	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	169	Oct 24	443	Mar 24	965	Mar 21 1997
LOWEST DAILY MEAN	50	Jun 11	50	Jun 12	34	Jul 31 1986
ANNUAL SEVEN-DAY MINIMUM	51	Jun 7	54	Jun 12	38	Jul 29 1986
ANNUAL RUNOFF (AC-FT)	60590		63050		64170	
10 PERCENT EXCEEDS	106		105		117	
50 PERCENT EXCEEDS	85		84		83	
90 PERCENT EXCEEDS	58		61		57	

e Estimated



09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'45", long 111°13'54", in NE¼NE¼NE¼ 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)
Oct 23	1900	599	6.33	Aug 1	1845	504	6.18
Oct 28	0015	547	6.25	Aug 4	2145	620	6.36
Jun 26	2230	*3,590	*8.63	Aug 8	2345	1,060	6.87

Minimum daily discharge, 19 ft^3/s, Jun 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

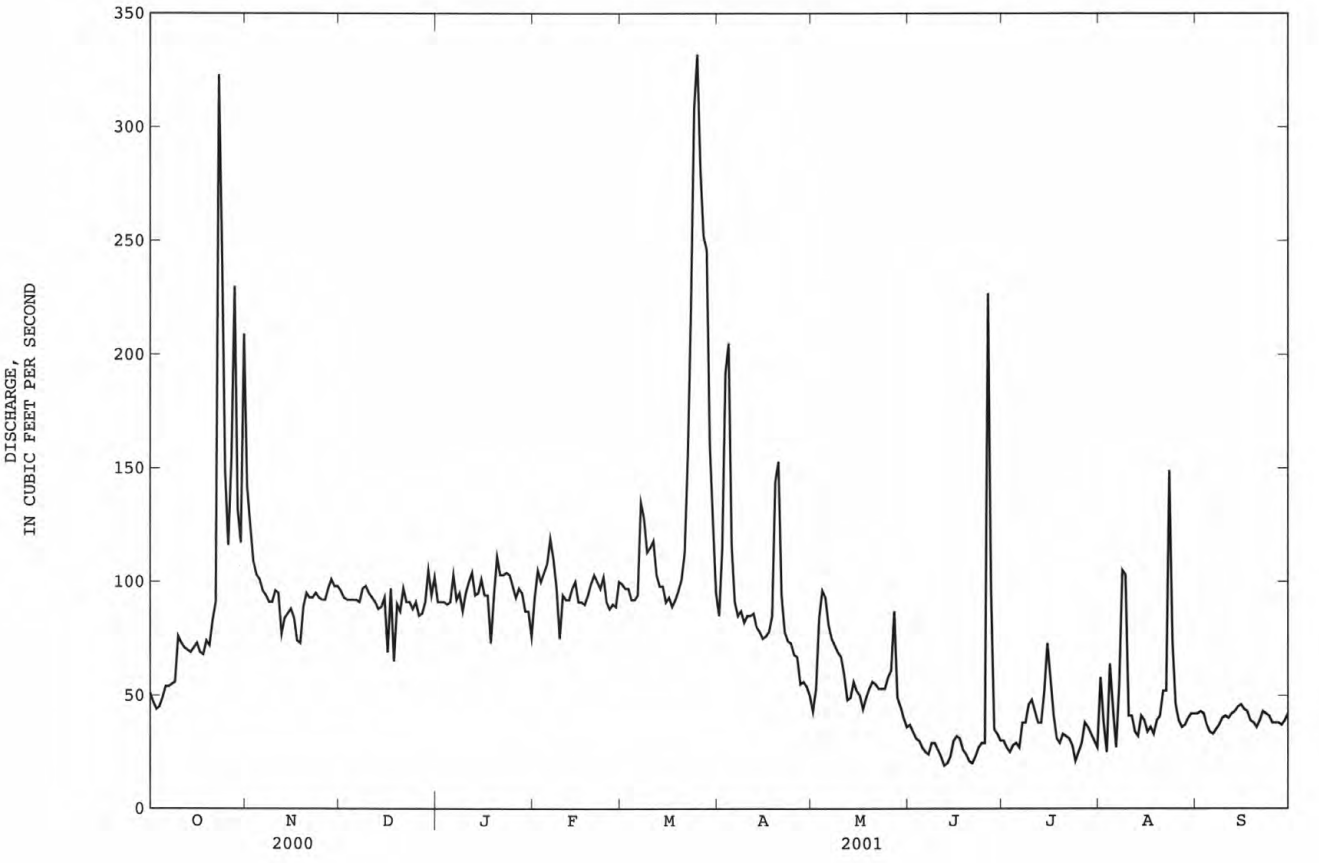
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	142	96	91	93	99	85	43	37	30	58	42
2	47	125	93	91	105	97	115	53	34	27	38	43
3	44	109	92	91	100	97	192	84	31	25	25	42
4	45	103	92	90	104	92	205	96	30	28	64	37
5	49	101	92	91	108	92	116	93	27	29	44	34
6	54	96	92	103	119	94	91	81	25	27	27	33
7	54	94	91	92	110	135	85	75	24	38	55	35
8	55	91	97	95	97	128	87	72	29	38	105	37
9	56	91	98	87	75	113	82	69	29	46	103	40
10	76	96	95	95	94	115	85	67	26	48	41	41
11	73	95	93	100	92	118	85	59	23	43	41	40
12	71	77	91	104	92	103	86	48	19	38	34	42
13	70	84	88	94	97	98	80	49	20	38	32	43
14	69	86	89	95	100	98	78	56	23	52	41	45
15	71	88	93	101	91	91	75	52	30	73	39	46
16	73	84	69	94	91	93	76	50	32	57	34	44
17	69	74	97	94	90	89	78	44	31	41	36	43
18	68	73	65	73	94	92	85	49	26	31	33	39
19	74	89	90	94	99	96	144	53	24	29	39	38
20	72	95	87	111	103	101	153	56	21	33	41	36
21	83	93	97	103	100	113	94	55	20	32	52	39
22	91	93	91	103	97	156	78	53	23	31	52	43
23	323	95	91	104	102	223	74	53	27	28	149	42
24	244	93	88	103	91	308	73	53	29	21	74	41
25	148	92	91	98	88	332	68	58	29	25	46	38
26	116	92	85	93	90	282	67	61	227	29	39	38
27	154	97	86	97	89	252	55	87	95	38	36	38
28	230	101	91	95	100	246	56	49	35	36	37	37
29	132	98	105	87	---	161	54	45	33	33	40	39
30	117	98	94	87	---	127	50	40	30	30	42	42
31	209	---	102	76	---	95	---	36	---	27	42	---
TOTAL	3088	2845	2821	2932	2711	4336	2752	1839	1089	1101	1539	1197
MEAN	99.6	94.8	91.0	94.6	96.8	140	91.7	59.3	36.3	35.5	49.6	39.9
MAX	323	142	105	111	119	332	205	96	227	73	149	46
MIN	44	73	65	73	75	89	50	36	19	21	25	33
AC-FT	6130	5640	5600	5820	5380	8600	5460	3650	2160	2180	3050	2370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY)

MEAN	69.6	87.6	89.2	92.1	98.0	105	96.7	63.0	42.4	46.1	58.3	60.1
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

09330230 FREMONT RIVER NEAR CAINEVILLE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	25526		28250			
ANNUAL MEAN	69.7		77.4		75.5	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	323	Oct 23	332	Mar 25	1200	Jul 19 1985
LOWEST DAILY MEAN	19	Jun 1	19	Jun 12	12	Jun 27 1980
ANNUAL SEVEN-DAY MINIMUM	22	Jun 1	24	Jun 8	13	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	50630		56030		54730	
10 PERCENT EXCEEDS	105		110		110	
50 PERCENT EXCEEDS	71		78		75	
90 PERCENT EXCEEDS	28		31		29	



09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in NE¼NW¼NE¼ sec. 21, T. 21 S., R. 6 E., Emery County, Hydrologic Unit 14070002, on left bank 100 ft upstream from Emery Canal and 4.1 mi north of Emery.

DRAINAGE AREA.--105 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)
Mar 22	1800	*155	*2.75				

Minimum daily discharge, 5.9 ft^3/s, Jan 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	e8.0	e7.5	e7.0	e8.8	30	85	133	54	48	21
2	13	13	e7.4	e7.0	e7.2	e9.1	31	78	131	48	48	20
3	13	12	e6.9	e6.8	e7.4	9.9	22	60	128	46	49	20
4	12	e13	e6.4	e6.8	e7.6	e9.3	18	57	124	45	50	19
5	12	16	e6.6	e7.2	e7.8	9.3	18	58	120	46	47	19
6	12	e11	e6.9	e7.4	e7.8	10	16	59	114	46	46	19
7	12	9.5	e6.9	e7.6	e7.8	11	16	60	109	47	46	19
8	12	e11	e7.4	e7.8	e8.2	11	14	71	107	45	47	18
9	13	14	e7.4	e7.8	e7.1	13	13	87	103	46	48	18
10	19	12	e7.4	e8.2	e7.5	12	14	102	98	51	49	18
11	18	e11	e7.1	e8.4	e7.9	11	12	110	98	62	45	17
12	15	e10	e6.9	e8.6	e8.1	e11	13	114	98	54	43	17
13	e15	e9.0	e6.7	e8.4	e9.0	11	11	123	95	52	46	19
14	14	e9.4	e7.0	e8.2	e9.0	11	13	121	91	51	39	18
15	14	e9.8	e7.3	e7.7	e8.5	9.0	17	117	87	60	37	17
16	14	e8.4	e7.1	e8.0	e8.2	11	e23	121	82	51	36	17
17	14	e8.0	e6.9	e7.6	e8.2	9.7	e31	139	78	48	33	17
18	14	e7.4	e6.7	e7.0	e8.8	10	e36	137	76	46	24	17
19	14	e7.9	e6.5	e6.4	e8.8	13	e36	133	72	39	25	16
20	14	e8.2	e6.5	e5.9	e8.5	30	e30	132	70	37	25	16
21	15	e8.4	e7.0	e6.4	e8.5	57	26	131	68	41	24	15
22	16	e8.6	e7.0	e7.0	e8.2	73	e22	129	66	39	24	15
23	22	e8.8	e7.0	e7.0	e8.9	62	e19	130	65	38	23	15
24	22	e9.0	e7.4	e7.4	e9.2	63	e25	134	66	37	22	15
25	16	e8.2	e7.4	e7.7	e9.4	64	e31	137	64	36	21	15
26	16	e7.2	e7.2	e7.7	e9.6	40	e37	139	66	39	21	15
27	28	e7.8	e7.0	e8.0	e9.8	25	43	140	64	42	21	14
28	26	e8.2	e7.2	e7.6	9.1	25	53	139	60	51	21	14
29	17	e8.4	e7.4	e7.3	---	23	64	138	58	50	21	14
30	17	e8.6	e7.7	e6.9	---	22	70	136	55	50	23	14
31	16	---	e7.5	e6.7	---	29	---	135	---	49	21	---
TOTAL	488	299.8	219.8	230.0	233.1	713.1	804	3452	2646	1446	1073	508
MEAN	15.7	9.99	7.09	7.42	8.32	23.0	26.8	111	88.2	46.6	34.6	16.9
MAX	28	16	8.0	8.6	9.8	73	70	140	133	62	50	21
MIN	12	7.2	6.4	5.9	7.0	8.8	11	57	55	36	21	14
AC-FT	968	595	436	456	462	1410	1590	6850	5250	2870	2130	1010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-2001, BY WATER YEAR (WY)

MEAN	18.3	12.0	9.46	8.43	8.93	12.7	32.5	105	125	70.1	40.9	26.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1911-13, 1950-2001	
ANNUAL TOTAL	9468.6		12112.8			
ANNUAL MEAN	25.9		33.2		38.8	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	95	May 8	140	May 27	664	Aug 11 1995
LOWEST DAILY MEAN	6.4	Dec 4	5.9	Jan 20	.00	Apr 13 1911
ANNUAL SEVEN-DAY MINIMUM	6.8	Dec 17	6.7	Jan 18	1.0	Apr 10 1911
ANNUAL RUNOFF (AC-FT)	18780		24030		28120	
10 PERCENT EXCEEDS	63		89		101	
50 PERCENT EXCEEDS	16		16		18	
90 PERCENT EXCEEDS	8.1		7.3		7.0	

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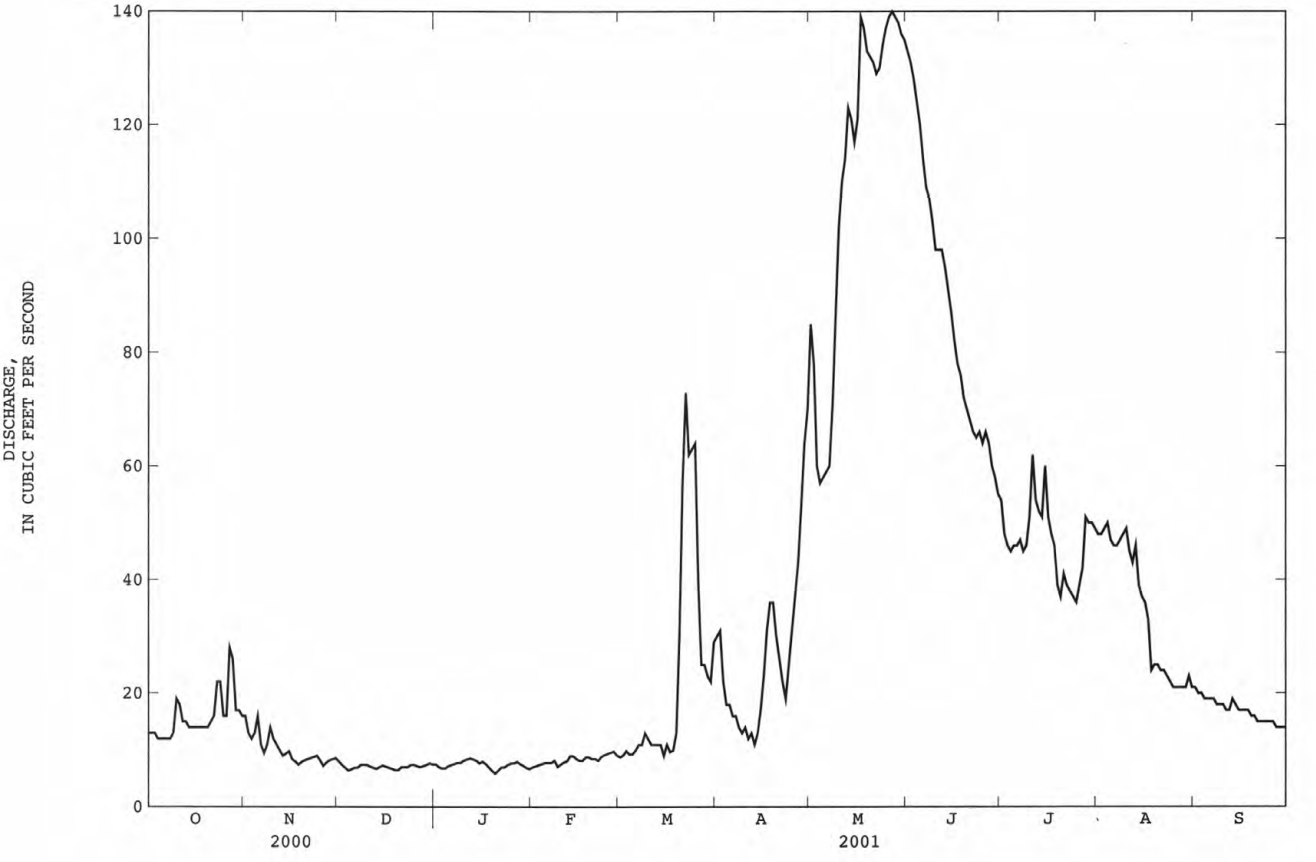


09337000 PINE CREEK NEAR ESCALANTE, UT

LOCATION.--Lat 37°51'45", long 111°38'07", in SW¼NE¼SW¼ sec. 12, T. 34 S., R. 2 E., Garfield County, Hydrologic Unit 14070005, 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)
May 12	2220	115	3.43	Jun 26	1620	*357	*5.00

Minimum daily discharge, 2.0 ft^3/s, Jan 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.5	4.0	e3.0	e3.0	e2.4	e2.4	6.6	26	6.3	5.0	5.6	5.7
2	e3.5	3.6	e3.0	e3.0	e2.4	e2.4	7.2	32	6.1	5.1	5.6	5.6
3	e3.5	3.7	e3.0	e3.0	e2.4	e2.4	7.3	19	6.0	6.2	5.9	5.5
4	e3.0	e3.5	e3.0	e3.0	e2.6	e2.6	6.6	13	5.9	6.4	6.3	5.4
5	e3.0	e3.0	e3.0	e3.5	e2.6	e2.6	6.5	8.9	5.8	6.4	5.9	5.5
6	e3.0	e3.0	e3.0	e3.5	e2.6	e2.8	6.1	8.3	5.7	6.4	5.7	5.4
7	e3.0	e3.0	e3.0	e3.0	e2.6	3.8	6.0	9.2	5.6	6.6	5.8	5.4
8	e5.0	e3.5	e3.5	e3.0	e2.4	3.5	5.8	13	5.6	6.6	6.3	5.5
9	e4.0	e3.5	e3.5	e3.5	e2.2	3.4	5.6	22	5.4	6.9	6.6	5.5
10	e7.0	e3.0	e3.5	e3.5	e2.2	3.5	5.8	28	5.2	7.0	6.6	5.5
11	e5.0	e3.0	e3.0	e3.5	e2.2	3.2	5.4	41	5.1	7.6	6.5	5.4
12	e3.0	e3.0	e3.5	e3.5	e2.2	3.1	5.3	57	5.1	7.6	6.1	5.4
13	3.0	e2.5	e3.0	e3.5	e2.2	3.2	5.0	61	5.2	7.2	7.7	6.3
14	3.0	e2.5	e3.5	e3.0	e2.2	3.1	5.3	56	5.5	8.4	6.6	5.6
15	3.0	e2.5	e3.5	e3.0	e2.2	3.2	5.4	49	6.0	7.1	6.2	5.4
16	2.9	e2.5	e3.5	e2.6	e2.2	3.4	6.0	42	6.0	5.4	6.7	5.5
17	2.9	e2.5	e3.5	e2.4	e2.2	3.5	7.1	39	5.7	5.0	6.3	5.6
18	2.9	e2.5	e3.0	e2.0	e2.2	3.3	8.9	36	5.5	4.8	6.0	5.5
19	2.9	e3.0	e3.0	e2.0	2.2	3.5	11	38	5.3	4.7	6.1	5.4
20	2.9	e3.0	e3.0	e2.2	e2.2	4.0	12	33	5.1	4.5	6.3	5.3
21	3.1	e3.0	e3.0	e2.2	e2.2	4.6	10	25	4.9	4.4	6.4	5.3
22	4.2	e3.0	e3.5	e2.4	e2.2	5.9	8.8	18	4.8	4.3	6.5	5.3
23	12	e3.0	e3.0	e2.4	e2.2	5.7	8.0	14	5.2	4.2	6.1	5.3
24	5.6	e3.0	e3.5	e2.4	e2.2	5.8	8.2	12	6.2	4.1	5.9	5.3
25	4.2	e3.0	e3.5	e2.6	e2.2	6.2	9.6	11	5.5	4.2	5.7	5.2
26	3.8	e3.0	e3.5	e2.6	e2.2	5.9	14	9.5	14	6.0	5.6	5.2
27	10	e3.0	e3.0	e2.6	e2.4	5.8	15	8.7	7.4	7.5	5.5	5.2
28	6.3	e3.0	e3.0	e2.6	e2.4	5.8	15	8.1	6.0	7.5	5.5	5.2
29	5.1	e3.0	e3.0	e2.4	---	6.0	17	7.5	5.5	7.4	7.2	5.2
30	5.2	e3.0	e3.0	e2.4	---	5.7	17	6.9	5.2	6.6	6.1	5.2
31	4.5	---	e3.0	e2.4	---	5.9	---	6.5	---	5.8	5.7	---
TOTAL	134.0	90.8	99.0	86.7	64.4	126.2	257.5	758.6	176.8	186.9	191.0	162.8
MEAN	4.32	3.03	3.19	2.80	2.30	4.07	8.58	24.5	5.89	6.03	6.16	5.43
MAX	12	4.0	3.5	3.5	2.6	6.2	17	61	14	8.4	7.7	6.3
MIN	2.9	2.5	3.0	2.0	2.2	2.4	5.0	6.5	4.8	4.1	5.5	5.2
AC-FT	266	180	196	172	128	250	511	1500	351	371	379	323

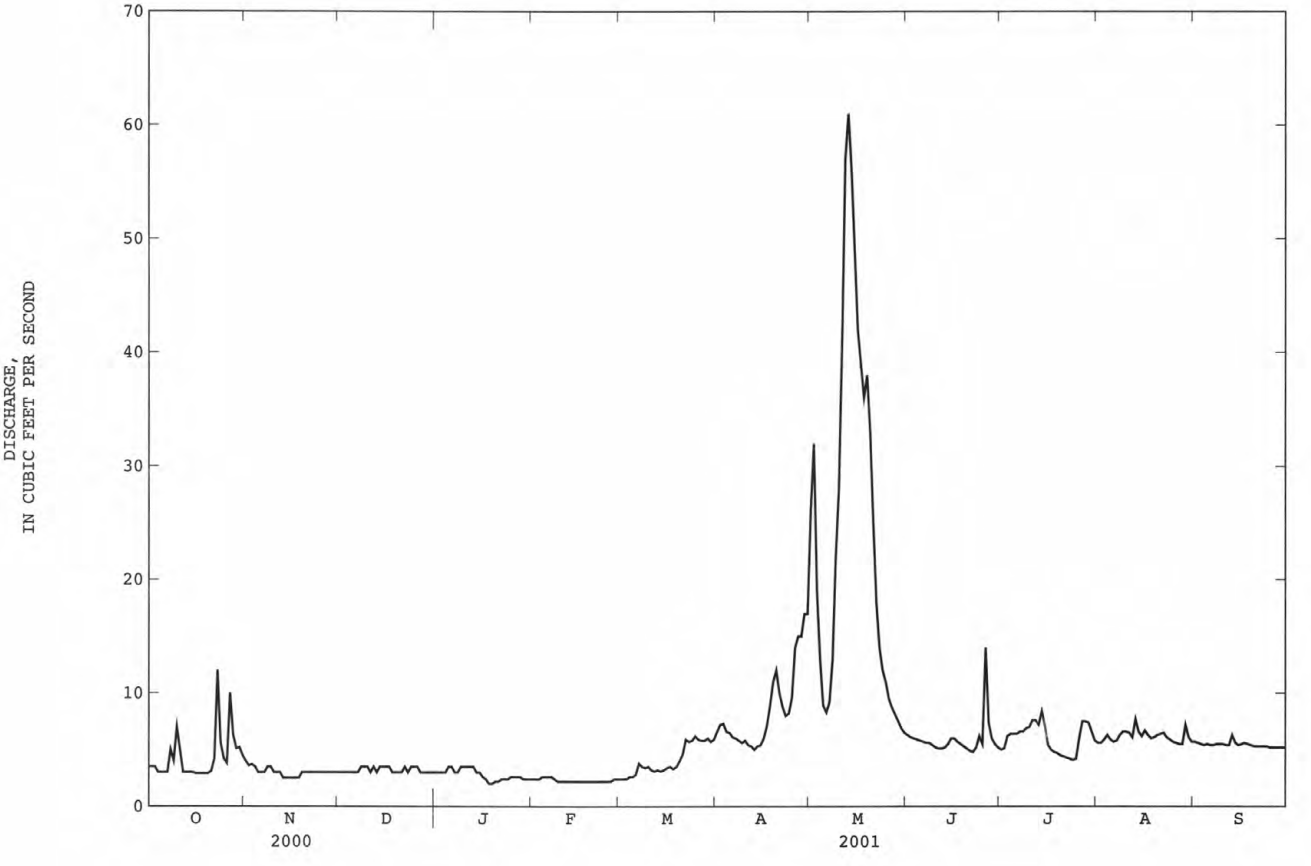
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1955, 1958 - 2001, BY WATER YEAR (WY)

MEAN	3.12	2.87	2.29	2.25	2.26	2.79	6.98	17.4	7.31	5.67	4.96	4.20
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951-55, 1958-2001	
ANNUAL TOTAL	1869.7		2334.7			
ANNUAL MEAN	5.11		6.40		5.20	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					.62	1977
HIGHEST DAILY MEAN	34	Apr 27	61	May 13	205	May 18 1964
LOWEST DAILY MEAN	2.5	Nov 13	2.0	Jan 18	.00	Mar 12 1954
ANNUAL SEVEN-DAY MINIMUM	2.6	Nov 12	2.2	Feb 9	.00	Jun 17 1954
ANNUAL RUNOFF (AC-FT)	3710		4630		3770	
10 PERCENT EXCEEDS	6.4		9.0		9.5	
50 PERCENT EXCEEDS	4.5		5.1		3.1	
90 PERCENT EXCEEDS	3.0		2.4		.60	

e Estimated



09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

LOCATION.--Lat 37°46'41", long 111°34'26", in NE¼NW¼SE¼ sec. 9, T. 35 S., R. 3 E., Garfield County, Hydrologic Unit 14070005, 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). WDR 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, 926 ft^3/s, Aug 29, gage height, 5.25 ft; minimum daily discharge, 0.31 ft^3/s, Oct 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.47	5.1	3.9	e3.0	e5.0	14	12	15	56	2.4	2.9	1.5
2	.39	3.8	4.1	e3.0	e5.0	15	11	23	49	2.4	19	1.4
3	.31	3.8	4.0	e3.0	e5.5	15	11	18	44	2.2	36	1.4
4	.35	4.6	3.9	e3.0	e7.0	14	11	16	37	2.2	12	1.4
5	.38	4.0	4.5	e3.5	e10	14	12	16	33	2.1	1.6	1.4
6	.41	3.0	4.5	e3.5	e12	16	11	14	28	2.0	1.3	1.3
7	.41	3.6	4.3	e3.5	e14	28	11	13	24	2.0	13	1.3
8	6.7	3.1	4.1	e3.0	e12	24	11	12	21	2.4	2.7	1.3
9	3.0	3.3	4.0	3.7	e8.0	26	11	19	19	3.1	3.6	1.3
10	13	3.6	4.0	4.4	e4.0	28	9.9	37	17	3.5	5.4	1.4
11	5.8	2.9	3.9	4.2	e2.5	24	9.9	49	19	6.2	4.5	1.3
12	1.6	2.5	3.7	4.3	e3.5	18	9.2	66	14	4.9	4.8	1.3
13	1.5	e2.5	4.6	4.8	e3.5	18	9.2	84	14	17	23	6.1
14	1.6	e2.0	4.8	e4.0	e4.0	22	8.9	88	14	8.9	5.7	3.0
15	1.5	e1.8	5.0	e3.0	e4.5	17	9.0	91	13	29	4.6	1.5
16	1.5	e1.5	3.9	e1.8	5.2	17	8.4	89	11	8.5	47	3.0
17	1.5	e1.5	4.0	e1.3	6.4	15	8.5	100	10	4.0	17	2.9
18	1.5	e2.0	e3.0	e1.3	8.0	18	8.9	104	8.4	3.8	3.4	1.8
19	1.7	e2.0	e2.5	e1.2	17	25	9.6	117	4.9	3.7	3.1	1.8
20	1.5	e2.0	e2.0	e1.2	18	29	10	105	4.3	3.6	2.3	1.8
21	3.1	e3.0	e2.0	e1.3	17	34	9.9	107	3.9	3.6	1.9	1.6
22	16	3.6	e2.5	e1.4	17	34	9.6	101	3.8	3.4	6.2	1.4
23	68	3.7	e3.0	e1.6	14	37	9.2	98	3.8	3.4	1.9	1.3
24	20	3.9	e3.0	e1.8	14	29	8.8	97	3.8	3.1	1.7	1.2
25	10	3.9	e3.5	e1.9	15	24	8.8	97	3.4	2.9	1.6	1.5
26	5.2	4.5	e3.5	e2.0	15	23	11	93	27	3.0	1.7	1.4
27	80	3.9	e3.5	2.2	14	22	12	89	12	3.8	1.7	1.3
28	33	3.9	e3.0	3.2	17	20	12	82	3.9	4.4	1.6	1.2
29	12	3.8	e3.0	4.9	---	19	12	76	2.8	4.4	37	1.1
30	7.6	3.7	e2.5	e4.5	---	15	12	69	2.4	4.5	4.2	1.1
31	6.0	---	e2.5	e5.5	---	14	---	62	---	3.6	1.7	---
TOTAL	306.02	96.5	110.7	91.0	278.1	668	307.8	2047	507.4	154.0	274.1	51.3
MEAN	9.87	3.22	3.57	2.94	9.93	21.5	10.3	66.0	16.9	4.97	8.84	1.71
MAX	80	5.1	5.0	5.5	18	37	12	117	56	29	47	6.1
MIN	.31	1.5	2.0	1.2	2.5	14	8.4	12	2.4	2.0	1.3	1.1
AC-FT	607	191	220	180	552	1320	611	4060	1010	305	544	102

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943-55, 1973-2001, BY WATER YEAR (WY)

MEAN	7.81	6.96	7.34	8.61	10.5	12.7	14.1	23.5	18.3	6.28	8.64	7.24
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943-55, 1973-2001	
ANNUAL TOTAL	2617.16		4891.92			
ANNUAL MEAN	7.15		13.4		11.2	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	125	Aug 29	117	May 19	367	Sep 11 1998
LOWEST DAILY MEAN	.31	Oct 3	.31	Oct 3	.07	Jul 11 1990
ANNUAL SEVEN-DAY MINIMUM	.39	Oct 1	.39	Oct 1	.18	Aug 26 1990
ANNUAL RUNOFF (AC-FT)	5190		9700		8080	
10 PERCENT EXCEEDS	19		31		24	
50 PERCENT EXCEEDS	3.2		4.5		5.0	
90 PERCENT EXCEEDS	.53		1.5		1.1	

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in NE¼SW¼SW¼ sec. 2, T. 34 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello, Ut.

DRAINAGE AREA.--8.64 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)
May 2	0514	*12	*1.05	May 14	1449	12	1.05

Minimum daily discharge, 0.03 ft^3/s, Sep 14.

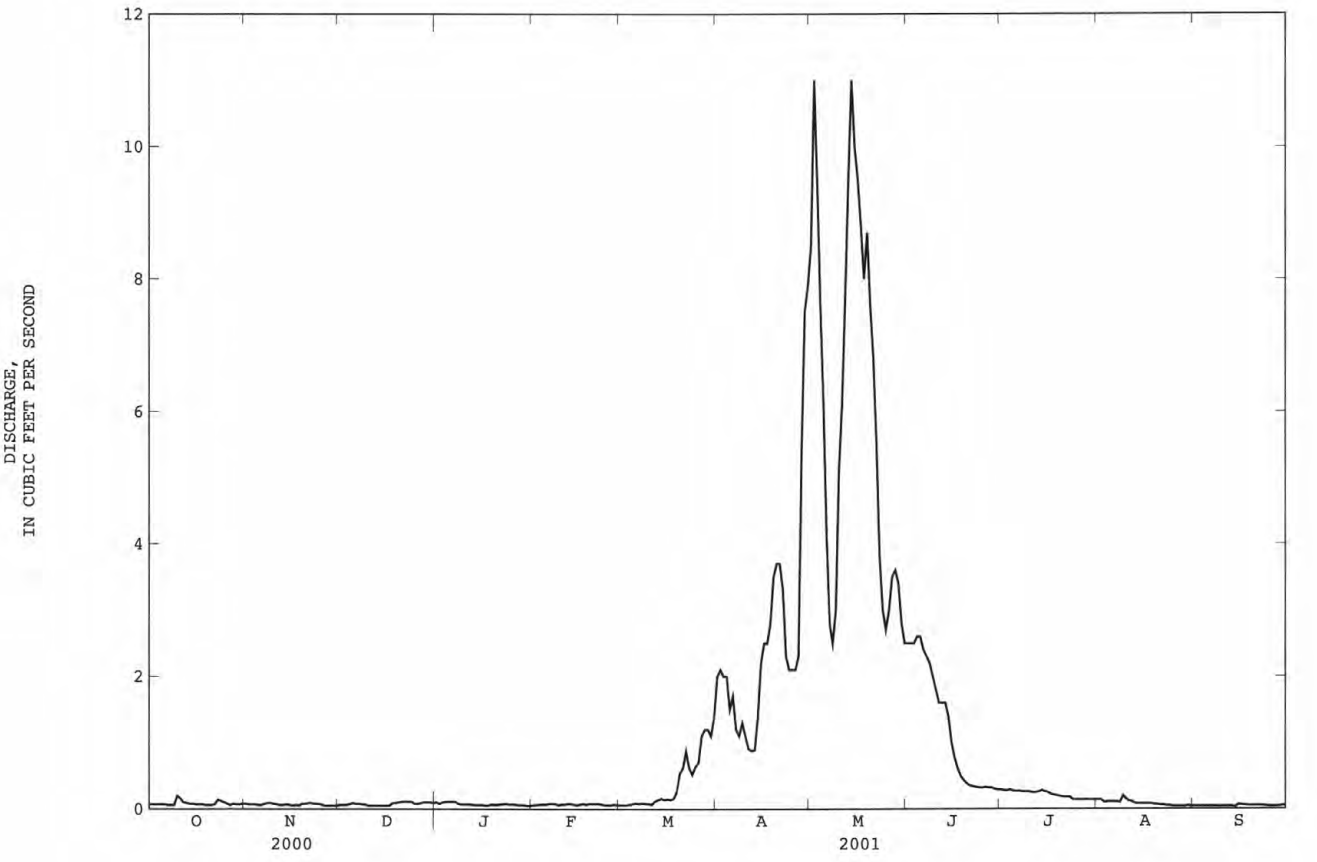
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.07	e.08	.06	e.10	e.06	e.06	2.0	8.5	2.5	.29	.14	e.04
2	e.07	e.07	e.06	e.08	e.06	e.06	2.1	11	2.5	.28	.14	e.04
3	e.07	e.07	e.06	e.10	e.07	e.06	2.0	9.4	2.5	.28	e.10	e.04
4	e.07	e.07	e.07	e.11	e.07	e.07	2.0	7.6	2.6	.29	.11	e.04
5	e.07	e.06	e.09	e.11	e.07	e.08	1.5	6.1	2.6	.27	.11	e.04
6	e.07	e.06	e.08	e.11	e.08	e.09	1.7	4.1	2.4	.27	.11	e.04
7	e.06	.08	e.08	e.11	e.08	e.08	1.2	2.8	2.3	.27	.11	e.04
8	e.06	e.09	e.07	e.08	e.08	e.09	1.1	2.5	2.2	.26	e.10	e.04
9	e.06	e.09	.07	e.07	e.06	e.08	1.3	3.0	2.0	.26	e.20	e.04
10	e.20	e.08	.05	e.07	e.07	e.08	1.1	5.1	1.8	.26	.15	e.04
11	e.16	e.07	.05	e.07	e.07	e.07	.91	6.1	1.6	.25	.12	e.04
12	e.10	e.06	.05	e.07	e.08	e.12	.88	7.7	1.6	.25	.11	e.04
13	e.09	e.06	.05	e.06	e.08	e.14	.89	9.5	1.6	.26	.08	e.04
14	e.08	e.07	.05	e.06	e.07	e.16	1.4	11	1.4	.28	.08	e.03
15	e.08	e.06	.05	e.06	e.06	e.14	2.2	10	1.0	.26	.08	e.07
16	e.07	e.05	.05	e.06	e.07	e.15	2.5	9.5	.77	.25	.08	e.06
17	e.07	e.06	.05	e.05	e.08	e.14	2.5	8.8	.61	.22	.08	e.06
18	e.07	e.05	e.09	e.06	e.07	.16	2.8	8.0	.49	.21	e.08	e.05
19	e.06	e.08	e.09	e.07	e.08	.27	3.5	8.7	.43	.20	e.07	e.05
20	e.06	e.08	e.10	e.06	e.08	.54	3.7	7.6	.38	.19	e.07	e.05
21	e.06	e.09	e.11	e.07	e.08	.62	3.7	6.8	.35	.18	e.06	e.05
22	e.07	e.09	e.11	e.07	e.08	.87	3.3	5.5	.34	.18	e.06	e.05
23	e.14	e.08	e.11	e.08	e.07	.62	2.3	3.8	.33	.18	e.05	e.05
24	e.12	.08	e.11	e.07	e.06	.52	2.1	3.0	.32	.14	e.05	e.04
25	e.10	.07	e.08	e.07	e.06	.64	2.1	2.7	.32	.14	e.04	e.04
26	e.08	.05	e.08	e.07	e.06	.70	2.1	3.0	.33	.14	e.04	e.04
27	e.06	.05	e.09	e.06	e.07	1.1	2.3	3.5	.32	.14	e.04	e.04
28	e.08	.05	e.10	e.06	e.06	1.2	5.4	3.6	.32	.14	e.04	e.04
29	e.07	.05	e.10	e.06	---	1.2	7.5	3.4	.30	.14	e.04	e.05
30	e.07	.05	e.10	e.05	---	1.1	7.9	2.8	.29	.14	e.05	e.05
31	e.08	---	e.09	e.05	---	1.4	---	2.5	---	.14	e.04	---
TOTAL	2.57	2.05	2.40	2.27	1.98	12.61	75.98	187.6	36.50	6.76	2.63	1.34
MEAN	.083	.068	.077	.073	.071	.41	2.53	6.05	1.22	.22	.085	.045
MAX	.20	.09	.11	.11	.08	1.4	7.9	11	2.6	.29	.20	.07
MIN	.06	.05	.05	.05	.06	.06	.88	2.5	.29	.14	.04	.03
AC-FT	5.1	4.1	4.8	4.5	3.9	25	151	372	72	13	5.2	2.7
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2001, BY WATER YEAR (WY)												
MEAN	.22	.56	.18	.17	.28	1.98	5.86	7.31	3.01	.61	.29	.25
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	.083	.068	.077	.073	.070	.080	.097	.074	.052	.14	.062	.045
(WY)	2001	2001	1997	2001	1993	1996	1996	1996	1996	1994	1996	2001

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1986 - 2001	
ANNUAL TOTAL	186.96		334.69			
ANNUAL MEAN	.51		.92		1.73	
HIGHEST ANNUAL MEAN					5.89	1993
LOWEST ANNUAL MEAN					.14	1996
HIGHEST DAILY MEAN	6.1	Aug 25	11	May 2	60	May 17 1993
LOWEST DAILY MEAN	.05	Aug 17	.03	Sep 14	.01	Aug 19 1996
ANNUAL SEVEN-DAY MINIMUM	.05	Dec 10	.04	Sep 8	.02	Aug 14 1996
ANNUAL RUNOFF (AC-FT)	371		664		1250	
10 PERCENT EXCEEDS	1.7		2.7		5.0	
50 PERCENT EXCEEDS	.14		.09		.22	
90 PERCENT EXCEEDS	.07		.05		.08	

e Estimated



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)
May 2	0630	*10	*1.26				

No flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	e.03	6.0	8.0	1.4	.04	.01	.00
2	.00	.00	.00	.00	.00	e.04	7.0	9.6	1.2	.05	.01	.00
3	.00	.00	.00	.00	.00	e.05	6.8	7.5	1.3	.09	.02	.00
4	.00	.00	.00	.00	.00	e.07	6.3	6.0	1.3	.08	.02	.00
5	.00	.00	.00	.00	.00	e.09	5.9	5.1	1.9	.07	.02	.00
6	.00	.00	.00	.00	.00	e.10	7.1	4.3	1.1	.04	.02	.00
7	.00	.00	.00	.00	.00	e.10	6.3	3.8	1.1	.05	.02	.00
8	.00	.00	.00	.00	.00	e.10	5.8	4.2	.75	.06	.02	.00
9	.00	.00	.00	.00	.00	e.09	4.7	5.1	.64	.05	.01	.00
10	.00	.00	.00	.00	.00	e.08	4.2	5.5	.68	.05	.02	.00
11	.00	.00	.00	.00	.00	e.06	3.6	4.8	.47	.04	.02	.00
12	.00	.00	.00	.00	.00	.08	3.5	4.9	.26	.04	.01	.00
13	.00	.00	.00	.00	.00	.06	2.8	5.0	.24	.10	.03	.00
14	.00	.00	.00	.00	.00	.05	3.1	5.1	.17	.12	.03	.00
15	.00	.00	.00	.00	.00	.05	3.9	4.6	.13	.05	.02	.00
16	.00	.00	.00	.00	.00	.01	5.1	4.4	.09	.00	.02	.00
17	.00	.00	.00	.00	.00	.01	5.7	4.3	.05	.02	.02	.00
18	.00	.00	.00	.00	.00	.05	6.2	4.3	.04	.03	.02	.00
19	.00	.00	.00	.00	.00	.11	7.1	4.4	.03	.02	.02	.00
20	.00	.00	.00	.00	.00	.18	7.9	3.9	.03	.02	.01	.00
21	.00	.00	.00	.00	.00	.27	7.8	3.4	.05	.02	.02	.00
22	.00	.00	.00	.00	.00	1.1	7.4	2.9	.06	.02	.01	.00
23	.00	.00	.00	.00	e.01	1.7	6.1	2.6	.05	.02	.01	.00
24	.00	.00	.00	.00	e.01	1.9	5.2	2.4	.07	.02	.00	.00
25	.00	.00	.00	.00	e.01	1.8	5.0	2.4	.04	.02	.00	.00
26	.00	.00	.00	.00	e.01	1.7	5.4	2.3	.09	.03	.00	.00
27	.00	.00	.00	.00	e.03	3.1	5.9	2.4	.11	.02	.00	.00
28	.00	.00	.00	.00	e.02	5.9	7.2	2.4	.10	.02	.00	.00
29	.00	.00	.00	.00	---	5.7	7.9	2.3	.09	.01	.00	.00
30	.00	.00	.00	.00	---	5.1	8.1	1.9	.03	.01	.02	.00
31	.00	---	.00	.00	---	5.3	---	1.8	---	.01	.00	---
TOTAL	0.00	0.00	0.00	0.00	0.09	34.98	175.0	131.6	13.57	1.22	0.43	0.00
MEAN	.000	.000	.000	.000	.003	1.13	5.83	4.25	.45	.039	.014	.000
MAX	.00	.00	.00	.00	.03	5.9	8.1	9.6	1.9	.12	.03	.00
MIN	.00	.00	.00	.00	.00	.01	2.8	1.8	.03	.00	.00	.00
AC-FT	.00	.00	.00	.00	.2	69	347	261	27	2.4	.9	.00

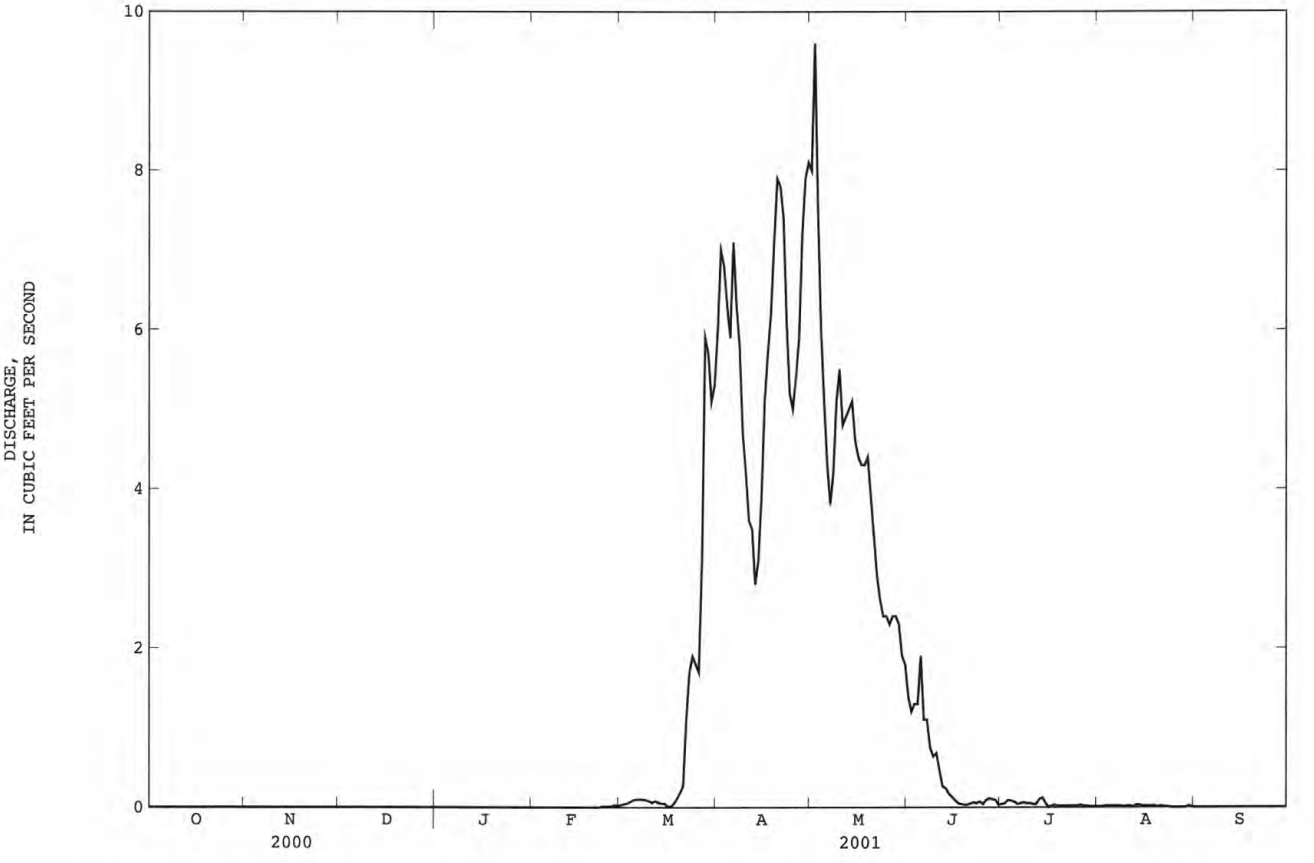
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	.17	.13	.050	.035	.11	1.61	4.83	6.33	2.16	.15	.054	.018
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

09378630 RECAPTURE CREEK NEAR BLANDING, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	110.37		356.89			
ANNUAL MEAN	.30		.98		1.31	
HIGHEST ANNUAL MEAN					4.60	1983
LOWEST ANNUAL MEAN					.008	1977
HIGHEST DAILY MEAN	4.2	Apr 29	9.6	May 2	57	Oct 20 1972
LOWEST DAILY MEAN	.00	Jul 4	.00	Oct 1	.00	Dec 20 1965
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 4	.00	Oct 1	.00	Dec 20 1965
ANNUAL RUNOFF (AC-FT)	219		708		948	
10 PERCENT EXCEEDS	1.2		4.9		3.8	
50 PERCENT EXCEEDS	.01		.00		.03	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated



09379500 SAN JUAN RIVER NEAR BLUFF, UT

LOCATION.--Lat 37°08'49", long 109°51'51", in SE¼NE¼SW¼ sec. 7, T. 42 S., R. 19 E., San Juan County, Hydrologic Unit 14080205, on left bank 1,600 ft downstream from Gypsum Creek, 1,800 ft upstream from highway bridge, 20 mi southwest of Bluff, at mile 113.5.

DRAINAGE AREA.--23,000 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, 1927-2001) 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 26	1730	*11,200	*11.02	No other peak greater than base discharge.			

Minimum discharge, 383 ft^3/s, Sep 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	710	1250	920	846	753	1020	e1210	2500	6350	1250	578	400
2	722	1130	889	835	789	1040	e1160	2600	6310	1190	588	466
3	659	1090	865	791	791	985	1120	3040	6550	1090	1380	571
4	649	1060	865	759	833	914	1230	3340	6560	1070	1560	592
5	668	1010	860	774	860	838	1360	3070	6400	1060	1500	565
6	686	980	823	788	903	830	1420	2400	5940	994	1250	515
7	767	985	812	793	880	804	1440	2020	5500	890	1170	470
8	893	948	837	814	857	802	1540	1770	5620	832	1410	456
9	843	924	903	775	945	1100	1370	1610	5830	827	2910	514
10	986	906	882	794	1010	1310	1230	1630	5710	796	1890	618
11	1040	898	885	789	942	1290	1160	1970	5750	869	2110	605
12	1120	922	905	824	853	1460	1140	2330	5840	1000	2110	555
13	953	1040	862	853	840	1180	1120	2680	5680	836	2150	800
14	1040	1020	841	845	829	1040	1070	3270	5450	884	5290	524
15	1060	972	869	842	822	961	991	3830	5190	1390	3520	600
16	991	927	872	816	887	972	971	4340	4810	1380	2170	641
17	983	970	864	764	853	1020	974	4890	4520	914	1650	820
18	959	973	835	777	847	1000	900	5310	4540	858	1420	829
19	930	932	808	801	857	1060	965	5520	4640	854	1130	831
20	850	931	758	775	899	1010	1390	5660	4610	720	966	877
21	857	930	826	770	898	933	1850	5680	4380	622	915	796
22	896	907	856	809	874	983	1940	5620	3680	550	805	720
23	1770	1120	894	829	918	1110	1860	5730	3270	581	755	709
24	4630	1040	778	790	921	1340	1670	6050	3030	543	760	675
25	3410	1160	774	780	926	1490	1420	6860	2990	487	691	645
26	1850	1020	789	849	950	e1470	1280	7180	3800	437	737	627
27	1500	966	767	843	964	e1320	1170	7290	2590	453	635	554
28	1310	946	750	873	927	e1400	1660	7410	2140	461	552	567
29	1170	937	766	889	---	e1380	1920	7630	1830	528	483	562
30	1210	917	821	868	---	e1320	2530	7530	1320	633	428	580
31	1150	---	829	e805	---	e1270	---	7130	---	602	401	---
TOTAL	37262	29811	26005	25160	24628	34652	41061	137890	140830	25601	43914	18684
MEAN	1202	994	839	812	880	1118	1369	4448	4694	826	1417	623
MAX	4630	1250	920	889	1010	1490	2530	7630	6560	1390	5290	877
MIN	649	898	750	759	753	802	900	1610	1320	437	401	400
AC-FT	73910	59130	51580	49900	48850	68730	81440	273500	279300	50780	87100	37060

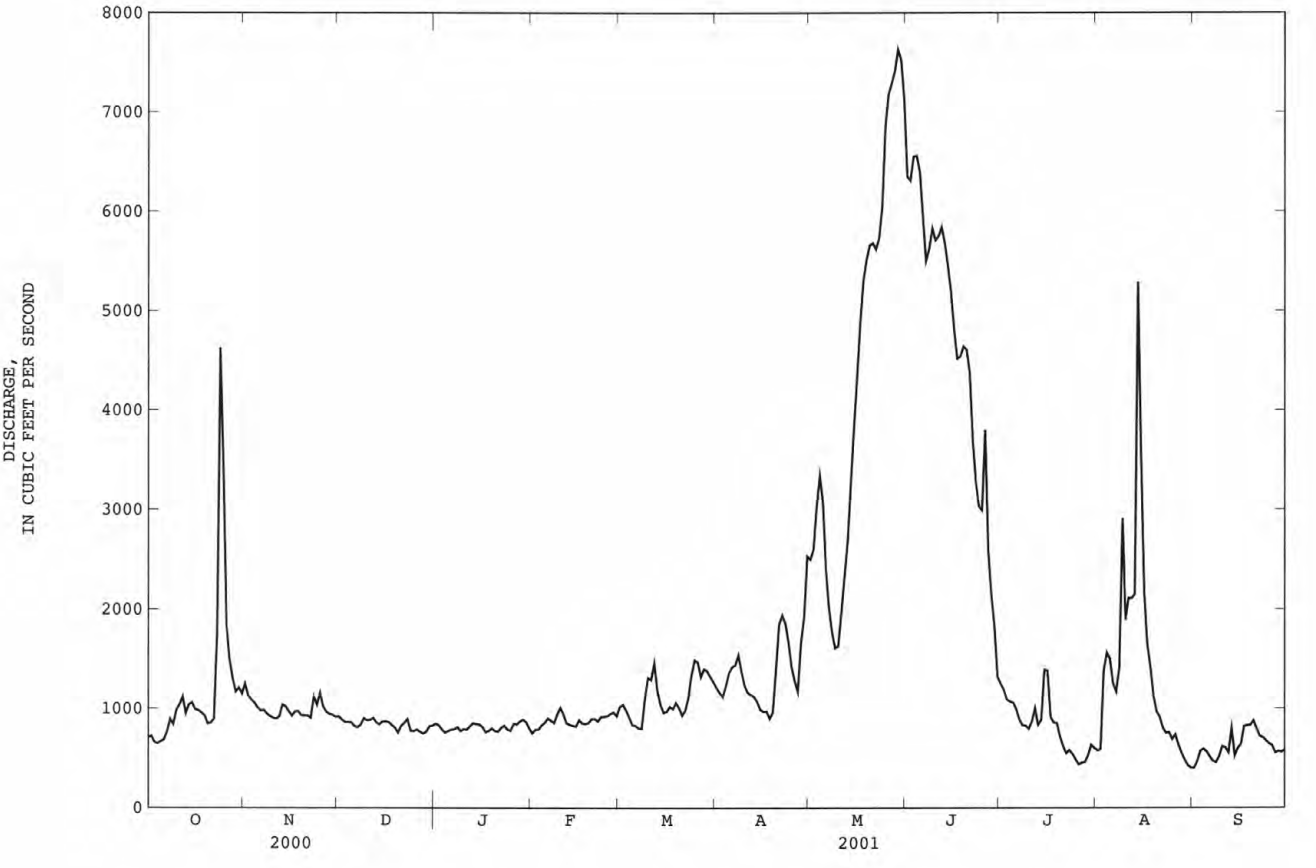
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-2001, BY WATER YEAR (WY)

MEAN	1550	1235	1100	1117	1421	1870	3418	5267	5658	2519	1790	1636
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915-17, 1927-2001	
ANNUAL TOTAL	421775		585498			
ANNUAL MEAN	1152		1604		2281	
HIGHEST ANNUAL MEAN					5859	1941
LOWEST ANNUAL MEAN					844	1977
HIGHEST DAILY MEAN	5120	Jun 7	7630	May 29	52000	Jun 30 1927
LOWEST DAILY MEAN	247	Jul 29	400	Sep 1	.00	Jul 3 1934
ANNUAL SEVEN-DAY MINIMUM	280	Jul 27	472	Aug 28	.00	Jul 3 1934
ANNUAL RUNOFF (AC-FT)	836600		1161000		1653000	
10 PERCENT EXCEEDS	2190		4530		5880	
50 PERCENT EXCEEDS	890		945		1300	
90 PERCENT EXCEEDS	466		634		505	

e Estimated



09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

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 current year.
WATER TEMPERATURE: May 1944 to September 1961, October 1964 to September 6, 1999, July 15, 2000 to current year.
SUSPENDED-SEDIMENT DISCHARGE: July 1929 to September 1980.

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

INSTRUMENTATION.--Water-quality monitor October 1980 to September 6, 1999, July 15, 2000 to current year.

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, -0.2°C, on many days during Dec and Jan 2001.
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: Maximum recorded, 1,490 microsiemens, Jun 26; minimum recorded, 255 microsiemens, May 30, 31.
WATER TEMPERATURE: Maximum recorded, 28.8°C, Jul 28; minimum recorded, -0.2°C, on many days during Dec and Jan.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	GAGE HEIGHT (FEET) (00065)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT								
04...	1000	673	8.4	680	21.5	17.0	3.75	446
NOV								
14...	1000	1000	8.2	740	5.0	3.5	4.13	509
DEC								
19...	1000	851	8.3	740	-1.0	.00	3.94	494
JAN								
31...	1015	806	8.2	760	4.0	1.0	3.93	513
MAR								
15...	0930	976	8.2	820	8.0	7.5	4.10	548
APR								
25...	1015	1410	8.2	540	20.0	14.0	4.51	362
MAY								
30...	1000	7450	8.2	270	28.0	14.0	8.93	152
JUN								
28...	0945	2150	8.2	380	32.0	23.0	5.22	258
JUL								
25...	1030	516	8.3	740	30.0	23.0	3.58	508

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	726	708	718	---	---	---	---	---	---	705	608	690
2	787	720	751	---	---	---	---	---	---	697	680	690
3	767	734	748	---	---	---	---	---	---	698	581	676
4	734	725	730	---	---	---	---	---	---	697	682	690
5	750	705	715	---	---	---	---	---	---	695	611	676
6	740	709	727	---	---	---	---	---	---	710	586	681
7	726	713	716	---	---	---	---	---	---	715	682	696
8	714	694	709	---	---	---	---	---	---	712	568	677
9	694	660	677	---	---	---	738	704	724	759	694	718
10	690	652	669	566	552	562	745	721	735	731	699	711
11	672	650	660	561	554	558	749	743	746	747	720	729
12	---	---	---	563	554	558	775	747	760	736	714	725
13	---	---	---	563	555	558	774	753	759	725	707	716
14	---	---	---	564	555	561	763	754	756	752	725	738
15	---	---	---	565	551	558	765	754	760	765	719	746
16	---	---	---	556	537	547	759	750	755	746	698	723
17	---	---	---	589	554	563	753	736	745	740	726	732
18	---	---	---	582	563	570	736	703	721	763	716	738
19	---	---	---	569	538	553	720	653	696	736	711	726
20	---	---	---	550	532	542	696	571	656	719	692	708
21	---	---	---	541	529	535	701	571	629	742	701	714
22	---	---	---	551	535	542	697	621	678	740	707	718
23	---	---	---	587	515	539	701	585	643	715	690	705
24	---	---	---	561	523	547	707	580	638	738	704	723
25	---	---	---	581	561	576	726	590	710	740	715	727
26	---	---	---	645	580	602	737	710	726	751	709	730
27	---	---	---	645	621	633	731	700	716	767	726	746
28	---	---	---	627	618	621	718	704	711	745	722	732
29	---	---	---	---	---	---	715	654	704	751	714	733
30	---	---	---	---	---	---	735	618	702	746	728	737
31	---	---	---	---	---	---	707	540	678	756	718	735
MONTH	787	650	711	645	515	564	775	540	711	767	568	716

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	734	707	719	775	726	740	526	515	520	420	382	393
2	734	693	719	843	775	818	536	521	525	384	372	376
3	717	697	709	841	815	829	561	536	553	372	359	366
4	754	699	719	816	792	807	574	561	568	372	324	347
5	762	702	727	794	785	789	586	573	581	355	319	333
6	751	700	726	791	782	787	583	569	573	390	355	371
7	751	717	731	791	765	775	585	558	567	430	389	405
8	769	746	758	768	756	763	---	---	---	461	430	444
9	891	769	826	769	741	759	---	---	---	484	461	473
10	916	824	863	868	762	829	---	---	---	492	484	489
11	824	784	799	863	798	818	---	---	---	491	468	482
12	816	743	769	813	711	750	---	---	---	468	414	436
13	821	776	795	738	709	719	---	---	---	626	379	412
14	785	769	778	808	738	796	681	639	663	379	326	352
15	848	780	810	807	795	801	683	651	660	328	314	319
16	857	800	822	801	787	794	660	652	656	318	277	297
17	871	809	838	787	755	770	655	648	651	291	274	280
18	847	798	819	755	706	728	687	644	664	283	265	273
19	812	763	790	744	733	740	696	669	685	270	265	268
20	790	769	779	766	743	751	714	648	677	282	266	272
21	808	775	787	841	766	810	648	529	577	381	281	323
22	816	806	809	798	734	757	529	458	481	323	292	304
23	825	785	800	744	717	729	460	436	447	292	274	279
24	788	769	780	717	669	702	488	438	454	291	280	288
25	784	766	776	669	587	634	560	488	532	293	285	289
26	768	754	761	660	587	620	566	555	559	289	269	275
27	754	727	737	608	555	574	571	557	562	269	257	263
28	748	734	742	570	552	561	584	567	577	271	261	266
29	---	---	---	553	531	542	638	495	571	269	264	266
30	---	---	---	531	514	519	495	420	456	269	255	259
31	---	---	---	525	515	520	---	---	---	263	255	258
MONTH	916	693	775	868	514	727	714	420	573	626	255	337

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	278	263	273	555	523	539	583	561	570	784	764	773
2	275	267	270	543	523	531	575	556	563	803	773	785
3	285	262	267	546	528	538	633	573	602	799	784	791
4	263	256	260	538	526	532	762	585	695	---	---	---
5	266	260	263	562	529	542	827	701	766	---	---	---
6	271	262	264	577	559	566	765	737	743	---	---	---
7	285	271	279	580	560	570	748	672	723	---	---	---
8	285	280	283	584	572	578	676	646	665	---	---	---
9	281	270	275	607	568	585	783	625	661	---	---	---
10	274	272	273	627	600	609	1040	662	757	---	---	---
11	277	274	275	645	596	622	1050	861	956	---	---	---
12	275	262	267	680	600	640	861	780	799	---	---	---
13	266	263	265	---	---	---	785	706	732	---	---	---
14	275	266	269	---	---	---	---	---	---	---	---	---
15	295	275	286	---	---	---	---	---	---	---	---	---
16	307	295	303	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	1010	880	977	810	746	789	---	---	---
19	---	---	---	880	714	791	793	766	784	---	---	---
20	---	---	---	714	643	673	766	745	754	800	758	771
21	---	---	---	652	635	642	745	708	727	781	745	758
22	322	308	312	675	649	659	717	704	713	782	747	768
23	329	322	324	681	668	675	738	711	724	747	693	717
24	333	327	330	678	656	668	777	738	759	703	662	690
25	339	330	335	674	653	665	808	776	791	703	686	697
26	1490	337	498	690	653	673	842	807	822	696	683	691
27	747	388	516	680	661	673	840	812	826	705	687	696
28	399	368	379	676	660	667	816	759	782	715	702	708
29	439	399	415	662	645	653	762	742	752	725	715	720
30	532	439	493	652	643	647	771	743	754	730	718	726
31	---	---	---	648	577	621	781	750	764	---	---	---
MONTH	1490	256	319	1010	523	636	1050	556	740	803	662	735
YEAR	1490	255	622									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.5	18.5	19.9	---	---	---	5.3	3.8	4.5	1.5	-.2	.5
2	20.2	17.3	18.8	---	---	---	4.8	3.5	4.1	1.7	-.2	.5
3	20.0	17.3	18.6	---	---	---	4.8	3.2	3.9	1.5	-.2	.5
4	19.2	17.7	18.3	---	---	---	4.3	2.8	3.5	1.7	-.2	.6
5	20.2	16.6	18.2	---	---	---	4.4	2.8	3.4	1.2	-.2	.3
6	19.4	16.2	17.9	---	---	---	4.1	2.3	3.1	1.5	-.2	.4
7	18.9	16.5	17.7	---	---	---	3.6	2.5	3.1	1.8	-.2	.6
8	17.3	14.8	16.3	---	---	---	4.6	3.0	3.6	1.2	-.2	.3
9	15.0	12.7	14.0	---	---	---	5.1	3.6	4.3	1.0	.2	.6
10	14.1	12.6	13.2	5.7	4.8	5.2	5.1	4.4	4.7	2.5	.9	1.5
11	14.2	12.6	13.2	5.7	4.4	4.9	6.0	4.6	5.0	4.1	1.9	2.7
12	---	---	---	5.4	4.1	4.6	5.4	4.5	5.0	3.4	2.8	3.1
13	---	---	---	5.1	3.4	4.2	5.0	3.8	4.2	3.3	1.8	2.5
14	---	---	---	4.5	2.8	3.7	4.2	3.1	3.5	3.5	1.6	2.4
15	---	---	---	4.4	2.9	3.5	3.9	2.3	3.0	3.4	1.6	2.3
16	---	---	---	4.5	2.7	3.4	3.5	1.9	2.6	3.3	1.9	2.4
17	---	---	---	3.6	2.1	2.8	2.8	1.2	1.9	3.6	1.8	2.5
18	---	---	---	2.5	.9	1.7	1.9	.2	.9	2.4	.6	1.4
19	---	---	---	2.2	.6	1.3	.5	-.2	.0	2.0	.0	.9
20	---	---	---	2.2	.4	1.2	-.2	-.2	-.2	2.4	.2	1.2
21	---	---	---	2.4	.7	1.5	-.2	-.2	-.2	2.2	.1	1.0
22	---	---	---	3.0	1.5	2.3	-.2	-.2	-.2	1.6	.2	1.0
23	---	---	---	4.8	3.0	3.8	-.1	-.2	-.2	3.6	1.5	2.2
24	---	---	---	5.4	3.9	4.5	.0	-.2	-.2	3.8	2.0	2.7
25	---	---	---	5.2	3.8	4.5	.6	-.2	.2	4.5	2.5	3.3
26	---	---	---	4.5	3.4	3.9	1.3	-.2	.3	3.6	2.3	3.0
27	---	---	---	4.5	2.9	3.7	1.3	-.2	.3	3.3	2.7	3.1
28	---	---	---	4.8	3.2	4.0	1.6	-.2	.5	3.5	2.6	3.1
29	---	---	---	5.1	3.4	4.1	1.6	-.2	.5	3.9	2.2	3.0
30	---	---	---	5.3	3.5	4.3	1.4	-.2	.4	4.0	2.7	3.2
31	---	---	---	---	---	---	1.5	-.2	.4	3.1	1.4	2.2
MONTH	21.5	12.6	16.9	5.7	.4	3.5	6.0	-.2	2.1	4.5	-.2	1.8

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.9	.6	1.7	8.2	6.5	7.4	14.3	11.8	13.3	19.4	16.8	18.2
2	2.8	.7	1.8	8.6	6.2	7.5	14.9	12.7	13.8	18.5	16.1	17.4
3	3.5	1.3	2.3	9.2	7.3	8.1	14.8	12.2	13.6	16.1	14.6	15.1
4	4.2	1.6	2.8	9.3	6.7	8.1	14.7	12.5	13.7	14.7	12.0	13.0
5	5.1	2.6	3.8	10.1	8.1	9.0	14.1	11.9	12.9	13.4	10.9	12.3
6	5.8	3.6	4.6	11.8	8.8	10.1	12.4	10.7	11.6	15.2	11.9	13.5
7	7.1	4.6	5.8	12.8	10.3	11.4	11.5	10.1	10.7	17.1	13.4	15.3
8	6.6	5.3	6.0	13.9	10.5	12.1	11.4	9.3	10.3	19.2	15.2	17.2
9	5.4	3.5	4.5	12.7	11.0	11.9	12.8	9.6	11.2	20.3	16.9	18.8
10	5.2	3.1	4.2	11.8	9.8	10.7	12.0	10.3	11.0	21.0	18.0	19.6
11	5.1	3.3	4.2	9.8	7.9	8.6	12.0	9.2	10.7	21.4	18.5	20.0
12	5.8	2.9	4.3	9.2	7.0	8.3	11.4	10.1	10.7	20.6	18.1	19.6
13	6.0	3.9	5.0	10.6	7.8	9.2	12.8	8.8	10.9	20.6	19.0	19.6
14	5.9	4.4	5.1	10.9	8.5	9.6	14.1	10.7	12.5	19.9	18.0	19.0
15	6.2	3.8	4.9	9.9	7.2	8.6	15.5	11.7	13.7	19.3	17.3	18.4
16	5.7	3.7	4.6	9.5	7.4	8.4	16.9	13.0	15.1	18.5	16.6	17.7
17	5.6	3.5	4.6	9.9	7.0	8.5	18.2	14.2	16.3	18.1	16.8	17.4
18	7.1	4.8	5.8	10.4	7.0	8.9	18.6	15.5	17.1	17.2	15.8	16.6
19	8.4	5.5	6.9	12.1	8.8	10.5	17.2	15.4	16.3	16.8	15.6	16.2
20	8.6	6.4	7.4	12.9	10.0	11.5	15.4	13.4	14.6	16.8	14.7	15.7
21	9.0	6.5	7.7	13.3	10.5	12.1	14.4	12.8	13.4	15.9	13.8	14.8
22	8.4	6.8	7.5	15.2	12.0	13.5	13.7	11.5	12.6	16.0	13.6	14.8
23	7.7	6.4	7.2	15.9	13.3	14.7	14.3	11.1	12.8	16.6	14.1	15.3
24	7.3	5.2	6.3	15.7	13.6	14.8	16.0	12.4	14.3	16.9	14.6	15.8
25	6.9	5.7	6.3	15.1	13.1	14.3	17.6	13.7	15.7	16.7	14.9	15.8
26	6.0	5.2	5.6	15.0	12.7	13.9	19.0	15.1	17.1	17.1	15.4	16.2
27	8.5	5.5	6.9	15.0	12.8	13.9	19.3	17.0	18.1	16.5	15.5	16.1
28	9.5	7.2	8.1	14.2	12.0	13.1	19.9	16.5	18.3	16.3	15.4	15.8
29	---	---	---	13.8	11.7	12.7	19.2	17.1	18.3	16.0	14.8	15.4
30	---	---	---	13.6	11.0	12.4	19.4	16.9	18.2	16.3	14.7	15.6
31	---	---	---	14.1	11.2	12.8	---	---	---	16.3	14.7	15.5
MONTH	9.5	.6	5.2	15.9	6.2	10.9	19.9	8.8	14.0	21.4	10.9	16.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.4	14.8	16.0	27.2	24.5	26.0	27.9	23.3	25.0	26.3	21.4	23.7
2	16.9	15.4	16.2	27.6	24.0	25.9	28.4	23.7	25.9	25.4	21.2	23.2
3	16.9	15.0	15.9	27.6	24.0	26.1	27.1	25.1	26.1	25.8	21.4	23.5
4	16.5	15.3	15.8	28.6	24.7	26.7	26.1	23.9	25.1	25.7	22.0	23.6
5	16.8	14.7	15.7	28.4	25.4	26.9	26.8	23.5	25.2	25.1	21.6	23.3
6	17.6	14.9	16.2	27.5	24.3	26.0	27.1	24.5	25.8	23.3	20.0	21.9
7	18.6	15.7	17.1	27.4	24.1	25.7	26.4	24.8	25.5	21.4	17.7	19.5
8	19.4	16.4	17.8	28.1	24.6	26.1	24.9	23.0	23.8	20.7	17.3	18.7
9	19.8	17.3	18.5	27.8	24.0	26.0	24.4	22.5	23.5	20.9	15.9	18.2
10	19.3	17.3	18.3	27.9	24.8	26.2	25.1	23.1	24.0	20.9	16.8	18.8
11	19.0	16.8	17.9	26.9	24.3	25.8	25.4	22.8	24.2	21.9	17.9	19.8
12	17.9	16.3	17.1	27.0	24.8	26.1	26.0	23.5	24.8	22.6	18.9	20.7
13	17.0	13.3	15.3	26.7	25.0	25.8	24.9	23.2	23.9	22.9	17.1	20.8
14	15.6	12.1	13.7	25.3	23.6	24.6	23.2	21.1	22.2	23.3	19.9	21.3
15	16.5	13.5	14.9	25.2	21.7	24.0	23.7	22.0	22.9	23.6	20.4	21.9
16	18.0	14.6	16.2	23.6	22.2	22.7	23.9	22.2	23.1	22.5	20.4	21.5
17	---	---	---	22.8	20.5	21.9	24.4	21.6	23.2	22.6	19.6	21.0
18	---	---	---	24.6	20.9	22.7	24.9	22.4	23.8	21.7	19.3	20.6
19	---	---	---	25.5	22.3	23.8	25.4	22.9	24.2	22.0	18.9	20.4
20	---	---	---	26.4	22.8	24.6	25.0	22.4	23.7	21.5	18.8	20.3
21	---	---	---	27.5	23.4	25.3	23.8	21.7	23.0	20.9	18.9	20.0
22	21.3	18.3	19.8	28.0	23.4	25.5	24.7	21.2	22.7	21.4	18.2	19.8
23	21.8	20.2	21.1	27.4	23.5	25.2	24.5	21.2	22.9	21.4	18.3	19.9
24	22.1	20.2	21.3	27.2	23.3	25.1	24.7	21.7	23.3	21.9	18.5	20.3
25	23.2	21.1	22.2	26.5	22.6	24.1	25.9	22.0	23.8	22.0	18.8	20.5
26	23.0	14.4	20.9	26.2	21.4	23.5	26.1	22.4	24.2	22.4	19.0	20.7
27	23.4	19.6	21.4	27.8	22.1	24.7	26.7	22.5	24.6	22.3	18.8	20.5
28	24.8	21.8	23.3	28.8	23.3	25.8	26.9	23.1	24.7	21.9	18.6	20.2
29	25.6	22.4	24.1	28.6	23.9	26.2	24.4	22.1	23.1	21.8	18.2	19.9
30	27.0	23.2	25.1	26.3	23.9	25.3	26.3	21.9	23.5	21.8	18.3	20.0
31	---	---	---	26.4	22.8	24.4	26.6	21.3	23.7	---	---	---
MONTH	27.0	12.1	18.5	28.8	20.5	25.1	28.4	21.1	24.0	26.3	15.9	20.8
YEAR	28.8	-.2	13.3									

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE¼NE¼SW¼ sec. 5, T. 43 S., R. 6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--198 mi^2.

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

REVISED RECORDS.--WDR 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 21	2200	*253	*7.58	No other peak greater than base discharge.			

Minimum daily discharge, 3.2 ft^3/s, Aug 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	8.0	7.0	7.4	e7.5	9.7	14	6.5	4.7	4.3	3.7	4.5
2	5.7	7.8	7.2	6.4	e8.0	11	14	6.8	4.6	4.4	3.5	4.4
3	5.4	7.4	6.3	7.5	e8.6	11	16	7.2	4.7	4.5	3.5	4.7
4	5.4	7.3	6.3	7.3	e9.0	10	16	7.3	4.9	4.4	3.5	4.8
5	5.3	7.2	5.3	7.5	e9.4	10	15	6.0	4.9	4.2	3.2	4.8
6	5.0	7.1	5.2	6.7	e9.6	10	16	5.6	4.5	4.4	3.6	4.9
7	5.0	6.5	5.3	7.3	9.8	20	18	5.6	4.4	4.1	4.3	5.3
8	4.8	6.5	5.8	7.2	9.5	30	20	5.4	4.6	4.1	4.4	5.3
9	4.9	6.3	6.1	6.4	e8.0	33	19	5.9	4.5	4.2	5.0	5.4
10	6.2	5.8	6.1	6.9	e8.0	27	18	5.3	4.6	4.4	5.0	5.2
11	6.9	6.1	6.3	7.7	8.1	20	18	5.5	4.4	4.7	4.7	4.8
12	6.1	5.8	6.1	7.6	8.3	17	19	5.3	4.4	4.3	4.6	4.6
13	6.3	6.1	6.1	8.3	8.7	20	20	5.1	4.7	4.3	4.5	4.5
14	6.1	6.3	5.7	7.2	9.2	21	16	5.3	4.9	4.4	4.6	9.9
15	6.0	6.4	5.5	7.4	8.2	18	14	5.8	4.6	4.3	4.4	6.0
16	5.9	5.8	5.1	8.2	8.2	16	11	5.0	4.4	4.4	4.6	37
17	6.1	6.7	5.2	e7.5	8.5	16	9.8	5.2	4.4	4.3	4.6	54
18	6.7	6.5	e5.0	e7.0	8.1	16	9.2	5.8	4.4	4.0	4.5	28
19	6.8	7.2	e4.8	e7.5	9.6	18	8.6	6.1	4.3	3.8	4.5	17
20	7.3	6.6	e5.0	7.8	8.8	20	8.4	6.1	4.3	3.8	6.8	8.7
21	8.2	6.4	5.4	8.7	9.1	20	9.1	5.7	4.4	3.7	22	7.8
22	44	5.8	5.7	7.6	10	21	9.6	5.3	4.4	3.6	28	9.1
23	16	6.7	6.1	7.4	11	21	9.2	5.5	4.6	3.8	4.9	9.0
24	15	6.4	6.0	7.1	9.1	19	8.2	5.1	4.8	3.7	4.2	8.6
25	10	7.3	6.0	7.4	8.7	18	7.5	5.4	4.6	3.7	4.0	8.9
26	8.4	7.3	6.4	7.1	8.9	17	7.2	5.2	4.6	4.0	3.9	8.4
27	31	7.2	7.3	7.4	9.0	16	7.0	4.9	4.9	4.1	3.8	7.5
28	28	8.2	6.7	8.0	11	14	7.0	5.4	4.8	3.8	4.2	6.8
29	8.4	7.9	7.2	8.0	---	15	6.5	5.2	4.7	3.6	4.4	6.0
30	14	8.2	7.3	7.8	---	14	6.6	5.0	4.5	3.6	4.7	5.6
31	14	---	7.2	e7.0	---	15	---	4.8	---	3.7	4.7	---
TOTAL	314.7	204.8	186.7	230.3	249.9	543.7	377.9	174.3	137.5	126.6	176.3	301.5
MEAN	10.2	6.83	6.02	7.43	8.93	17.5	12.6	5.62	4.58	4.08	5.69	10.1
MAX	44	8.2	7.3	8.7	11	33	20	7.3	4.9	4.7	28	54
MIN	4.8	5.8	4.8	6.4	7.5	9.7	6.5	4.8	4.3	3.6	3.2	4.4
AC-FT	624	406	370	457	496	1080	750	346	273	251	350	598

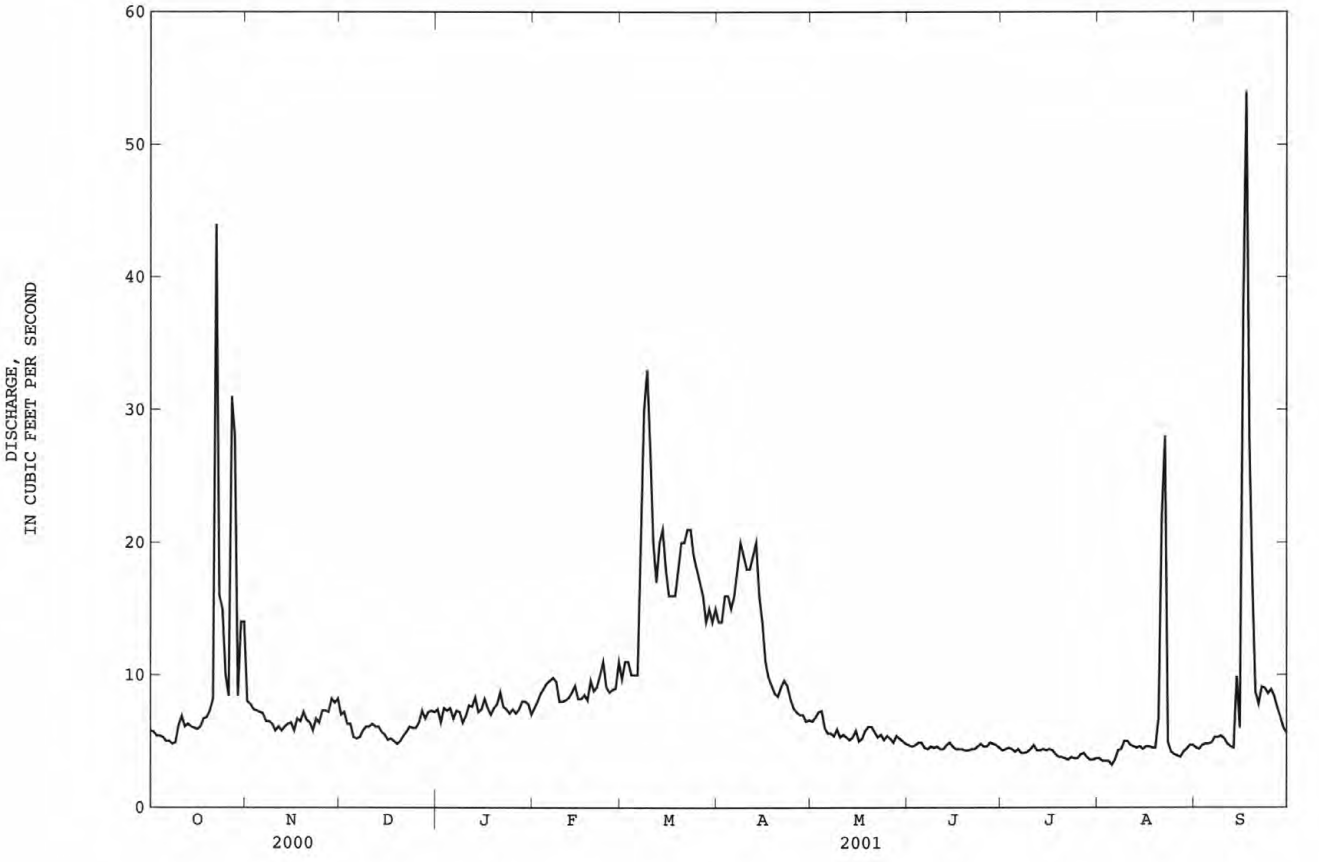
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

MEAN	10.7	10.2	11.0	12.7	16.4	24.5	23.1	9.75	7.04	7.16	8.41	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	8.93	9.68	6.81	5.62	4.37	3.90	4.07	5.43
(WY)	1996	1990	1990	1987	2001	1988	1990	2001	1986	2000	1995	1989

09403600 KANAB CREEK NEAR KANAB, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL	2621.3		3024.2			
ANNUAL MEAN	7.16		8.29		12.6	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					7.07	2000
HIGHEST DAILY MEAN	44	Oct 22	54	Sep 17	354	Apr 6 1980
LOWEST DAILY MEAN	2.9	Jul 27	3.2	Aug 5	2.9	Jul 27 2000
ANNUAL SEVEN-DAY MINIMUM	3.2	Jul 26	3.5	Jul 30	3.0	Jun 13 1986
ANNUAL RUNOFF (AC-FT)	5200		6000		9100	
10 PERCENT EXCEEDS	11		16		19	
50 PERCENT EXCEEDS	6.4		6.4		9.1	
90 PERCENT EXCEEDS	4.0		4.3		5.4	

e Estimated



09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'22" (corrected), long 112°36'13", in SE¼NE¼NW¼ 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 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. 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, affected by backwater, discharge unknown; 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)
Oct 27	1645	*41	*1.50				

Minimum discharge, 4.3 ft^3/s, Aug 1, Sep 3-12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

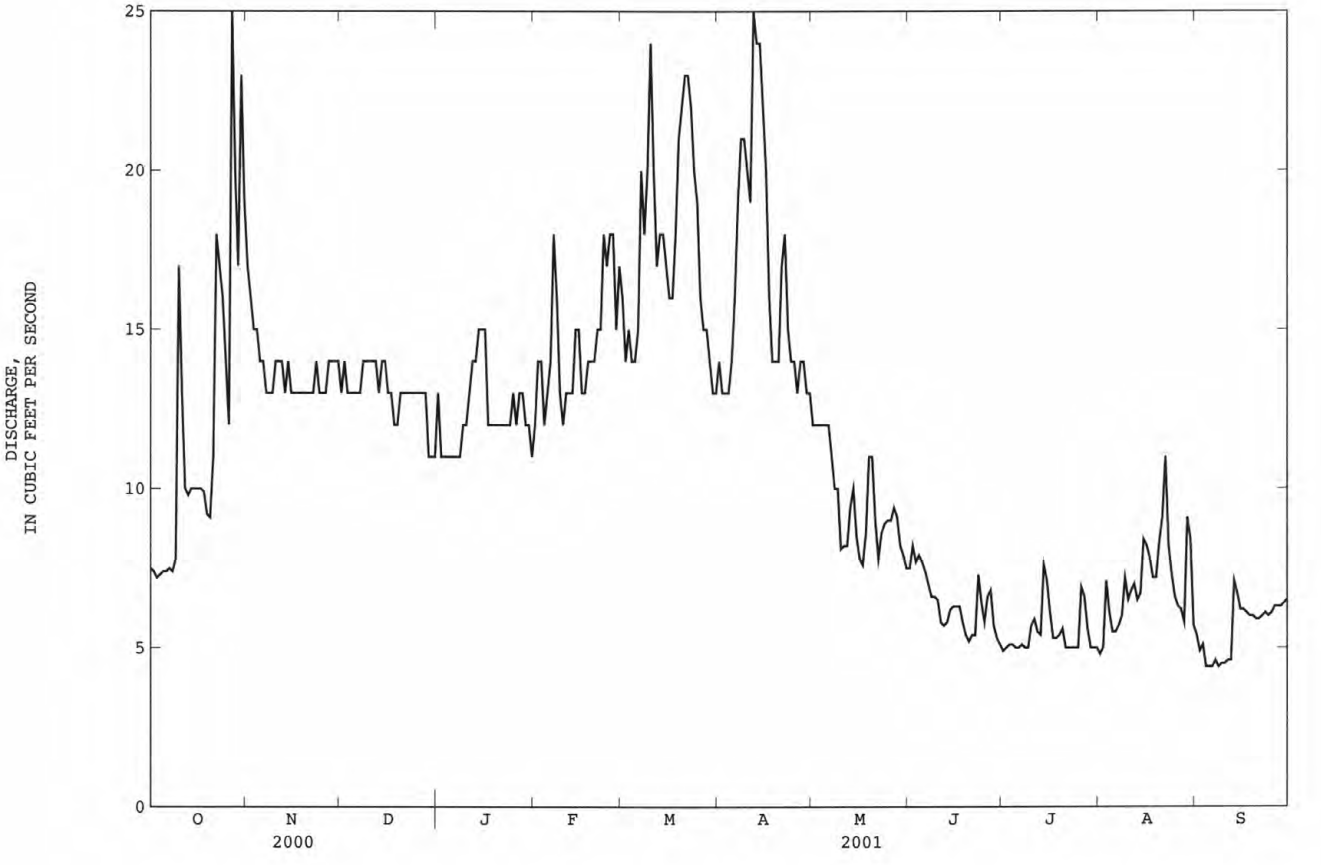
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	17	13	13	12	16	14	12	7.5	4.9	4.8	5.4
2	7.4	16	14	11	14	14	13	12	8.2	5.0	5.0	4.9
3	7.2	15	13	11	14	15	13	12	7.7	5.1	7.1	5.1
4	7.3	15	13	11	12	14	13	12	7.9	5.1	6.1	4.4
5	7.4	14	13	11	13	14	14	12	7.7	5.0	5.5	4.4
6	7.4	14	13	11	14	15	16	12	7.4	5.0	5.5	4.4
7	7.5	13	13	11	18	20	19	11	7.0	5.1	5.7	4.6
8	7.4	13	14	11	16	18	21	10	6.6	5.0	6.0	4.4
9	7.8	13	14	12	13	20	21	10	6.6	5.0	7.2	4.5
10	17	14	14	12	12	24	20	8.1	6.5	5.7	6.5	4.5
11	13	14	14	13	13	20	19	8.2	5.8	5.9	6.8	4.6
12	10	14	14	14	13	17	25	8.2	5.7	5.5	7.0	4.6
13	9.8	13	13	14	13	18	24	9.4	5.8	5.4	6.5	7.1
14	10	14	14	15	15	18	24	10	6.2	7.6	6.7	6.7
15	10	13	14	15	15	17	22	8.5	6.3	7.1	8.4	6.2
16	10	13	13	15	13	16	20	7.8	6.3	6.1	8.2	6.2
17	10	13	13	12	13	16	16	7.6	6.3	5.3	7.8	6.1
18	9.9	13	12	12	14	18	14	8.6	5.8	5.3	7.2	6.0
19	9.2	13	12	12	14	21	14	11	5.4	5.4	7.2	6.0
20	9.1	13	13	12	14	22	14	11	5.2	5.6	8.3	5.9
21	11	13	13	12	15	23	17	9.0	5.4	5.0	9.1	5.9
22	18	13	13	12	15	23	18	7.8	5.4	5.0	11	6.0
23	17	14	13	12	18	22	15	8.6	7.3	5.0	8.2	6.1
24	16	13	13	12	17	20	14	8.9	6.4	5.0	7.3	6.0
25	14	13	13	13	18	19	14	9.0	5.8	5.0	6.6	6.1
26	12	13	13	12	18	16	13	9.0	6.6	6.9	6.3	6.3
27	25	14	13	13	15	15	14	9.4	6.8	6.6	6.2	6.3
28	20	14	13	13	17	15	14	9.1	5.7	5.6	5.8	6.3
29	17	14	11	12	---	14	13	8.2	5.3	5.0	9.1	6.4
30	23	14	11	12	---	13	13	7.9	5.1	5.0	8.4	6.5
31	19	---	11	11	---	13	---	7.5	---	5.0	5.7	---
TOTAL	376.9	412	403	382	408	546	501	295.8	191.7	169.2	217.2	167.9
MEAN	12.2	13.7	13.0	12.3	14.6	17.6	16.7	9.54	6.39	5.46	7.01	5.60
MAX	25	17	14	15	18	24	25	12	8.2	7.6	11	7.1
MIN	7.2	13	11	11	12	13	13	7.5	5.1	4.9	4.8	4.4
AC-FT	748	817	799	758	809	1080	994	587	380	336	431	333

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	13.5	15.2	15.9	16.5	18.9	24.6	36.5	29.0	14.7	11.1	10.9	11.0
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

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	3904.3		4070.7			
ANNUAL MEAN	10.7		11.2		18.1	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	25	Oct 27	25	Oct 27	285	Apr 21 1980
LOWEST DAILY MEAN	3.7	Jun 14	4.4	Sep 4	3.3	Jun 20 1989
ANNUAL SEVEN-DAY MINIMUM	4.2	Sep 12	4.5	Sep 4	3.7	Jun 19 1989
ANNUAL RUNOFF (AC-FT)	7740		8070		13140	
10 PERCENT EXCEEDS	19		17		26	
50 PERCENT EXCEEDS	10		12		14	
90 PERCENT EXCEEDS	4.6		5.4		7.2	



09404700 EAST FORK VIRGIN RIVER NEAR MOUNT CARMEL JUNCTION, UT

LOCATION.--Lat 37°12'32", long 112°41'12", in SW¼SE¼SE¼ 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 good except for discharges less than 5 ft^3/s, which are fair, and estimated daily discharges, which are poor. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,310 ft^3/s, Aug 3, 2001, gage height, 8.95 ft, from rating curve extended above 44 ft^3/s on basis of slope-area measurement; minimum daily discharge, 0.14 ft^3/s, Jul 8, 2001.

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)
Oct 21	2115	237	4.46	Aug 3	1530	*2,310	*8.95
Oct 30	1045	219	4.37	Aug 21	2145	718	6.11
Jul 5	1815	369	5.02				

Minimum daily discharge, 0.14 ft^3/s, Jul 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	22	18	e16	e15	19	12	8.5	1.1	.83	.20	1.2
2	1.8	20	18	16	e15	18	9.0	9.3	1.2	.93	.19	1.1
3	1.1	18	18	e16	16	20	8.6	8.1	1.2	.77	88	1.2
4	1.2	19	18	e16	17	18	9.0	9.3	1.2	.75	e2.0	1.1
5	1.5	17	18	e16	18	18	11	9.3	1.2	21	e.90	.69
6	1.3	e17	18	e16	18	19	15	9.5	1.3	1.8	e.70	.53
7	1.6	e17	18	e16	18	24	17	6.8	1.1	.65	e.60	.74
8	1.6	e18	19	e16	17	22	24	5.4	1.2	.14	.84	.72
9	1.8	e18	19	17	15	24	23	1.3	1.2	1.4	2.1	.97
10	10	18	19	17	17	34	25	1.2	1.2	.92	6.7	1.0
11	14	19	19	18	17	26	20	.73	1.2	.63	e1.5	.90
12	6.8	18	e18	18	16	22	22	.74	1.0	e.60	e.80	.94
13	6.2	18	18	e18	16	22	22	1.1	.93	e.50	e.80	1.8
14	5.9	18	18	18	16	21	22	3.1	1.3	e.50	e.80	1.9
15	5.6	18	18	17	17	20	19	1.5	1.3	e.50	e.70	1.0
16	6.8	18	18	17	17	19	18	1.0	1.2	e.40	e.70	1.0
17	5.8	e17	18	e17	16	19	15	.91	1.3	e.40	e.70	1.0
18	4.8	e17	18	e17	17	20	13	1.3	1.3	e.30	e.60	1.1
19	5.5	e17	e18	e17	17	22	13	3.6	1.1	.29	e.60	1.1
20	5.5	e17	e17	18	17	25	13	3.1	1.3	.30	e.60	.56
21	27	18	e18	18	18	26	18	1.3	.97	.25	e60	.41
22	28	18	18	18	18	25	22	.95	.91	.24	16	.55
23	23	19	19	17	21	24	18	.96	1.0	.23	4.2	.97
24	19	19	18	18	18	22	17	1.3	1.2	.23	3.1	1.0
25	15	19	17	18	17	19	13	1.6	1.0	.26	2.0	.53
26	17	19	e17	17	17	16	12	1.4	1.1	1.6	2.0	.77
27	52	19	e17	18	17	16	12	1.2	1.3	1.4	1.4	1.1
28	30	19	e17	17	20	15	12	1.3	.92	.39	1.2	.67
29	26	19	17	16	---	15	13	1.3	1.0	.29	2.0	1.1
30	47	19	17	16	---	14	10	1.3	.87	.26	5.1	.99
31	27	---	e17	15	---	13	---	1.1	---	.23	2.9	---
TOTAL	402.0	549	555	525	478	637	477.6	99.49	34.10	38.99	209.93	28.64
MEAN	13.0	18.3	17.9	16.9	17.1	20.5	15.9	3.21	1.14	1.26	6.77	.95
MAX	52	22	19	18	21	34	25	9.5	1.3	21	88	1.9
MIN	1.1	17	17	15	15	13	8.6	.73	.87	.14	.19	.41
AC-FT	797	1090	1100	1040	948	1260	947	197	68	77	416	57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)

MEAN	14.4	20.2	20.4	22.2	25.9	36.8	34.4	17.5	7.50	3.88	4.64	9.02
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	16.9	17.1	17.8	7.23	2.21	1.14	.51	.35	.83
(WY)	1997	2000	2000	2001	2001	1999	2000	2000	2001	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	3908.63		4034.75			
ANNUAL MEAN	10.7		11.1		18.0	
HIGHEST ANNUAL MEAN					38.7	1993
LOWEST ANNUAL MEAN					9.94	2000
HIGHEST DAILY MEAN	52	Oct 27	88	Aug 3	189	Sep 15 1997
LOWEST DAILY MEAN	.15	Aug 14	.14	Jul 8	.14	Jul 8 2001
ANNUAL SEVEN-DAY MINIMUM	.18	Aug 11	.26	Jul 19	.18	Aug 11 2000
ANNUAL RUNOFF (AC-FT)	7750		8000		13040	
10 PERCENT EXCEEDS	24		20		32	
50 PERCENT EXCEEDS	5.9		13		17	
90 PERCENT EXCEEDS	.42		.70		1.2	

e Estimated

09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°09'51", long 112°57'28", in SE$^1/_4$SW$^1/_4$NW$^1/_4$ 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.--343 mi^2.

PERIOD OF RECORD.-October 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,940 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Numerous irrigation diversions upstream of 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, 33 ft^3/s, Sep 7-9, 1993.

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)
Aug 3	2015	*1,430	*8.74	Aug 22	0130	1,310	8.50

Minimum daily discharge, 31 ft^3/s, Aug 16, 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	47	51	54	63	79	59	51	40	39	e36	e36
2	36	45	52	55	63	75	58	50	40	38	e37	e36
3	36	44	52	54	65	78	54	50	40	38	e150	e36
4	35	45	52	55	66	66	54	50	39	38	e65	e36
5	35	44	51	56	68	61	56	50	39	38	e42	e36
6	36	44	51	57	69	59	60	51	40	59	e40	e36
7	36	44	52	58	68	62	63	51	40	43	e38	e36
8	36	46	53	58	65	57	90	50	40	40	e38	e36
9	37	47	53	61	61	65	68	47	40	60	e38	e36
10	40	50	53	60	63	79	69	44	40	45	100	e36
11	53	49	53	65	64	71	67	44	40	39	85	e36
12	44	49	54	64	64	64	67	44	40	37	45	e36
13	42	48	53	61	64	62	67	44	39	36	36	e36
14	38	49	53	61	64	64	67	45	39	37	35	e37
15	38	50	54	63	62	64	65	44	40	37	32	36
16	38	50	53	63	62	63	64	43	40	36	31	36
17	38	49	53	60	61	62	62	44	40	35	31	36
18	38	50	53	60	62	64	59	43	40	e35	33	36
19	39	48	53	63	61	65	58	43	39	e35	33	36
20	39	50	54	63	59	68	57	45	40	e35	34	35
21	66	50	54	63	62	70	58	44	40	e35	86	35
22	66	50	55	64	68	71	64	42	40	e35	191	35
23	50	51	54	65	72	71	62	42	41	e35	50	35
24	50	51	54	66	68	70	60	41	41	e35	e42	35
25	47	51	54	68	69	67	58	41	40	e35	e38	35
26	47	50	53	66	68	65	54	41	46	e37	e37	35
27	111	51	53	67	69	62	55	41	50	e38	e36	35
28	69	51	54	67	101	61	56	40	47	e36	e38	35
29	51	51	54	64	---	61	54	40	42	e36	e37	35
30	112	51	54	64	---	61	55	40	39	e36	e40	35
31	59	---	54	61	---	59	---	40	---	e36	e38	---
TOTAL	1498	1455	1646	1906	1851	2046	1840	1385	1221	1194	1612	1070
MEAN	48.3	48.5	53.1	61.5	66.1	66.0	61.3	44.7	40.7	38.5	52.0	35.7
MAX	112	51	55	68	101	79	90	51	50	60	191	37
MIN	35	44	51	54	59	57	54	40	39	35	31	35
AC-FT	2970	2890	3260	3780	3670	4060	3650	2750	2420	2370	3200	2120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)

MEAN	48.8	55.2	56.6	65.9	69.7	80.6	74.4	53.7	42.5	40.3	43.3	48.6
MAX	62.3	62.8	62.9	110	110	153	200	109	57.7	44.4	52.0	74.6
(WY)	1998	1994	1997	1993	1993	1993	1993	1993	1993	1998	2001	1997
MIN	38.8	48.5	51.3	53.3	58.1	51.5	41.2	36.1	34.4	36.0	36.7	35.7
(WY)	1992	2001	2000	2000	1999	1999	2000	2000	1996	1996	1996	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	17182		18724			
ANNUAL MEAN	46.9		51.3		56.5	
HIGHEST ANNUAL MEAN					85.1	1993
LOWEST ANNUAL MEAN					46.6	2000
HIGHEST DAILY MEAN	112	Oct 30	191	Aug 22	450	Sep 11 1998
LOWEST DAILY MEAN	30	Aug 11	31	Aug 16	30	Aug 11 2000
ANNUAL SEVEN-DAY MINIMUM	32	Aug 10	33	Aug 14	32	Aug 10 2000
ANNUAL RUNOFF (AC-FT)	34080		37140		40970	
10 PERCENT EXCEEDS	57		67		76	
50 PERCENT EXCEEDS	48		50		52	
90 PERCENT EXCEEDS	36		36		36	

e Estimated

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. 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)
May 13	1500	*655	*3.08				

Minimum daily discharge, 30 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

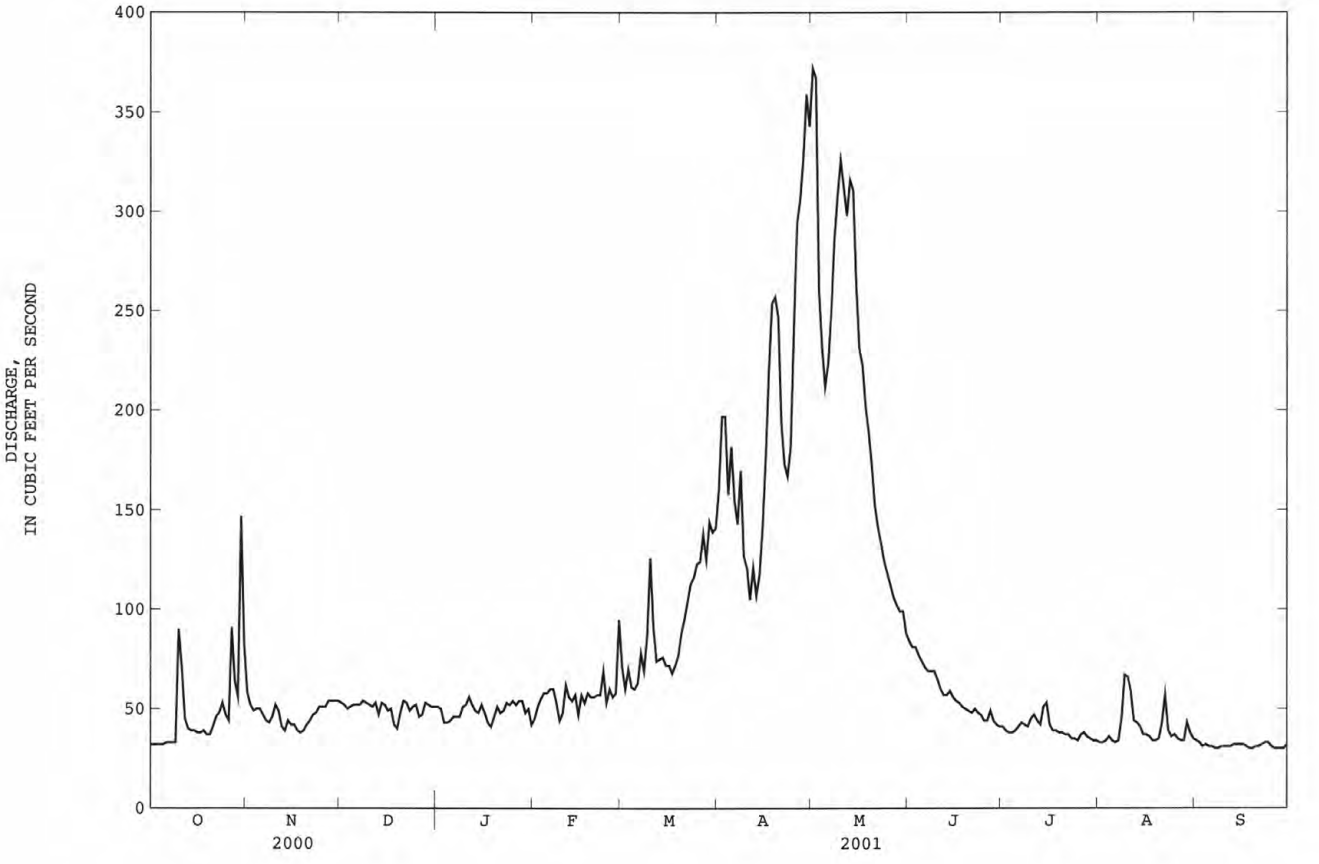
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	58	53	51	45	71	160	372	84	41	33	34
2	32	52	52	50	51	60	197	367	81	39	33	33
3	32	49	50	43	55	70	197	261	81	38	34	31
4	32	50	51	43	58	61	158	232	77	38	36	32
5	32	50	52	44	58	60	182	212	74	39	34	31
6	33	47	52	46	60	63	155	224	71	41	33	31
7	33	44	52	46	60	78	143	250	69	43	34	30
8	33	43	54	46	53	69	170	286	69	42	45	30
9	33	46	53	51	44	87	127	308	69	41	67	31
10	90	52	52	52	48	126	121	326	65	45	66	31
11	71	49	51	56	62	91	105	312	60	47	59	31
12	45	41	53	52	56	74	121	298	57	44	44	31
13	40	39	47	49	54	75	107	316	57	42	43	32
14	39	44	53	48	57	76	117	311	59	51	41	32
15	39	42	52	52	47	72	141	263	56	53	37	32
16	38	42	49	48	57	72	176	231	54	42	37	32
17	38	39	50	43	53	68	220	223	53	39	36	31
18	39	38	42	41	58	72	254	202	51	39	34	30
19	37	39	40	46	56	77	257	189	50	38	34	30
20	37	42	48	51	56	88	247	172	49	38	35	31
21	41	44	54	48	57	95	194	152	48	37	43	31
22	46	47	53	49	57	104	173	141	50	37	57	32
23	48	48	49	53	69	113	167	133	48	35	39	33
24	53	51	51	52	53	116	182	124	47	35	36	33
25	47	51	52	54	60	123	241	118	44	34	37	31
26	44	51	46	52	56	124	294	112	44	37	35	30
27	91	54	47	54	58	138	306	106	49	38	34	30
28	64	54	53	54	95	125	327	102	44	36	34	30
29	56	54	52	48	---	144	359	99	42	35	43	30
30	147	54	51	50	---	139	343	99	41	34	38	32
31	82	---	51	42	---	141	---	88	---	34	35	---
TOTAL	1524	1414	1565	1514	1593	2872	5941	6629	1743	1232	1246	938
MEAN	49.2	47.1	50.5	48.8	56.9	92.6	198	214	58.1	39.7	40.2	31.3
MAX	147	58	54	56	95	144	359	372	84	53	67	34
MIN	32	38	40	41	44	60	105	88	41	34	33	30
AC-FT	3020	2800	3100	3000	3160	5700	11780	13150	3460	2440	2470	1860

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	50.5	53.8	53.3	60.1	71.2	118	208	267	108	55.9	48.6	50.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	25294		28211			
ANNUAL MEAN	69.1		77.3		95.5	
HIGHEST ANNUAL MEAN					207	1993
LOWEST ANNUAL MEAN					43.6	1990
HIGHEST DAILY MEAN	259	Apr 28	372	May 1	1140	May 4 1993
LOWEST DAILY MEAN	27	Sep 16	30	Sep 7	22	Aug 5 1994
ANNUAL SEVEN-DAY MINIMUM	29	Sep 12	31	Sep 5	23	Aug 2 1994
ANNUAL RUNOFF (AC-FT)	50170		55960		69200	
10 PERCENT EXCEEDS	150		172		170	
50 PERCENT EXCEEDS	50		51		56	
90 PERCENT EXCEEDS	32		33		35	



09406000 VIRGIN RIVER AT VIRGIN, UT

LOCATION.--Lat 37°12'15", long 113°10'48", in SW¼NW¼SW¼ sec. 23, T. 41 S., R. 12 W., Washington County, Hydrologic Unit 15010008, on right bank 0.25 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: 192(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)
Oct 30	1345	*1,440	*11.05				

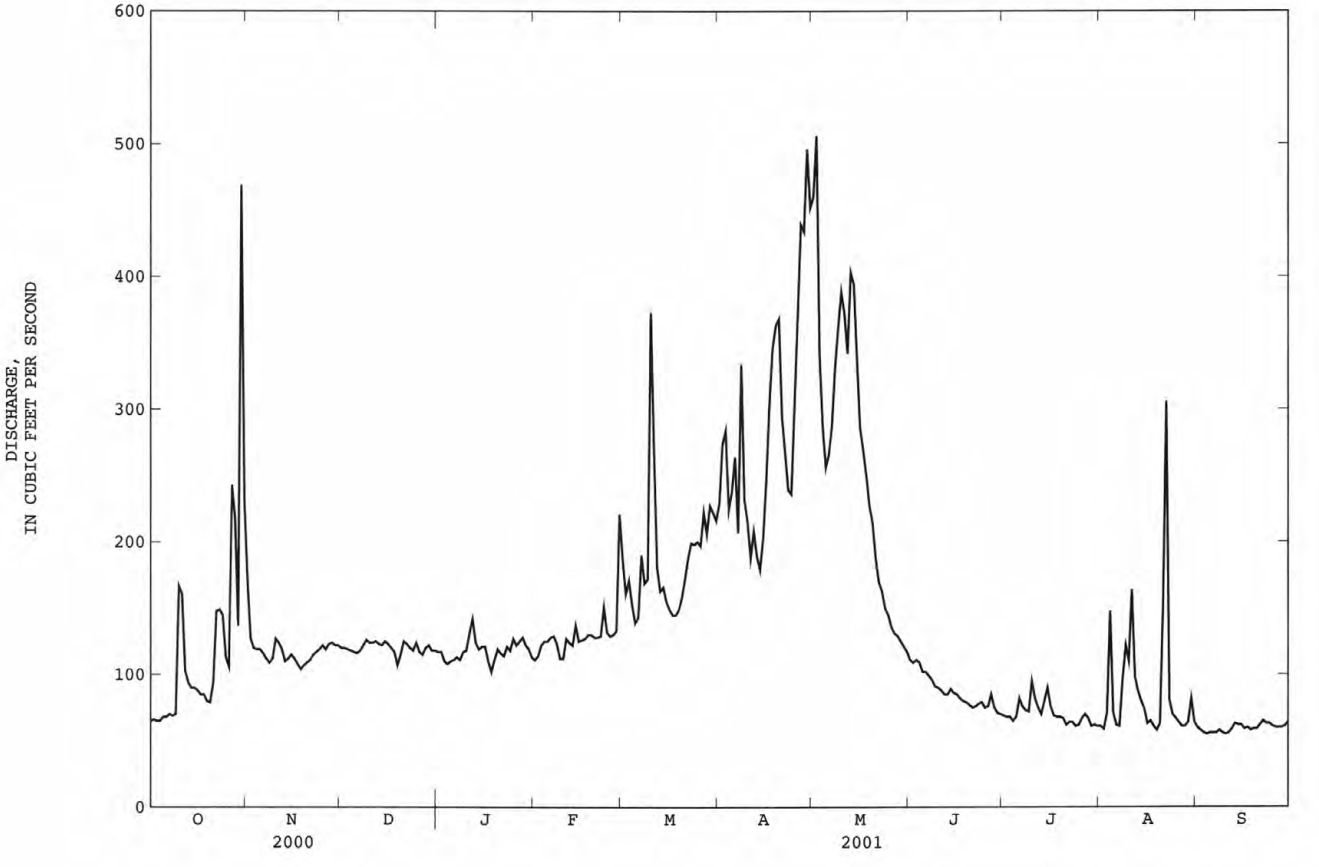
Minimum daily discharge, 55 ft^3/s, Sep 4, 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	170	120	117	111	187	229	460	111	69	61	60
2	66	127	120	117	114	161	274	506	109	68	59	58
3	65	120	119	110	122	171	284	341	111	68	71	56
4	65	119	118	108	125	153	224	287	109	65	148	55
5	68	119	117	110	125	139	238	256	102	68	71	56
6	68	116	116	111	128	143	264	266	102	82	62	56
7	70	112	118	113	129	190	207	287	99	76	61	56
8	69	109	122	111	123	169	334	331	96	73	97	58
9	70	112	126	117	112	172	232	361	91	72	122	56
10	167	127	124	118	112	373	215	388	90	95	110	55
11	161	124	124	131	127	270	188	372	88	82	164	56
12	103	119	125	142	124	181	208	342	85	75	98	59
13	94	110	123	124	122	163	189	403	85	70	87	63
14	90	112	122	119	137	166	179	394	89	80	80	62
15	90	115	125	121	125	155	203	338	86	90	74	62
16	88	112	123	121	126	149	247	286	85	76	63	59
17	85	108	120	110	127	145	305	269	82	69	65	60
18	85	104	117	102	130	145	346	250	80	68	61	58
19	80	107	107	111	130	149	363	227	79	68	58	59
20	79	109	115	119	128	158	368	214	77	67	63	59
21	94	111	125	116	128	172	294	187	75	62	157	62
22	148	115	123	114	129	188	267	170	76	64	306	65
23	149	117	120	121	151	199	239	163	78	64	81	63
24	145	119	118	118	132	198	236	150	79	61	70	63
25	113	122	124	127	129	200	303	145	75	62	67	61
26	106	119	117	122	130	197	369	136	76	67	64	60
27	243	123	115	125	133	222	439	131	85	70	61	60
28	218	124	120	128	221	206	434	129	75	67	61	60
29	137	122	122	122	---	227	496	125	71	61	64	61
30	469	122	118	119	---	222	452	121	70	62	82	64
31	230	---	118	113	---	216	---	117	---	61	64	---
TOTAL	3780	3545	3721	3657	3630	5786	8626	8152	2616	2182	2752	1782
MEAN	122	118	120	118	130	187	288	263	87.2	70.4	88.8	59.4
MAX	469	170	126	142	221	373	496	506	111	95	306	65
MIN	65	104	107	102	111	139	179	117	70	61	58	55
AC-FT	7500	7030	7380	7250	7200	11480	17110	16170	5190	4330	5460	3530
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)												
MEAN	130	146	156	162	190	251	389	429	157	120	135	137
MAX	528	606	648	791	833	822	981	1582	762	484	441	504
(WY)	1923	1923	1967	1911	1980	1910	1993	1979	1983	1911	1916	1911
MIN	61.3	82.9	77.4	70.9	90.9	91.7	121	87.5	58.1	30.4	43.5	53.1
(WY)	1929	1926	1932	1932	1926	1924	1970	1959	1961	1928	1928	1956

09406000 VIRGIN RIVER AT VIRGIN, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	47236		50229			
ANNUAL MEAN	129		138		200	
HIGHEST ANNUAL MEAN					465	1922
LOWEST ANNUAL MEAN					95.7	1990
HIGHEST DAILY MEAN	469	Oct 30	506	May 2	10600	Sep 30 1911
LOWEST DAILY MEAN	57	Jul 22	55	Sep 4	22	Jul 10 1920
ANNUAL SEVEN-DAY MINIMUM	59	Sep 14	56	Sep 4	23	Jun 8 1921
ANNUAL RUNOFF (AC-FT)	93690		99630		145000	
10 PERCENT EXCEEDS	243		259		380	
50 PERCENT EXCEEDS	116		118		129	
90 PERCENT EXCEEDS	62		62		71	



09406640 LEAP CREEK BELOW MAPLE HOLLOW, NEAR PINTURA, UT

LOCATION.--Lat. 37°23'00", long 113°17'36", in NW¼ NE¼ SE¼ 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 September 2001 (discontinued). Prior to October 1998, published as Leap Creek above Maple Hollow, near Pintura.

REVISED RECORD.--WDR 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 flows less than 2 ft^3/s and 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, 2000, and 2001.

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)
Oct 10	1130	25	4.50	Mar 7	1900	21	4.42
Oct 30	0835	*42	*4.98	Mar 9	2320	30	4.65

Minimum discharge, 0.00 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.83	.30	.30	e.30	2.2	2.7	2.1	.75	.11	e.00	.00
2	.00	.72	.30	.25	e.30	1.9	2.7	2.1	.70	.10	e.00	.00
3	.00	.61	.31	e.25	e.40	2.3	2.6	2.0	.68	.09	e.00	.00
4	.00	.50	.31	e.25	1.7	1.9	2.3	1.9	.69	.08	e.00	.00
5	.00	.44	.30	e.25	2.0	1.9	2.2	1.8	.69	.08	.00	.00
6	.00	.43	.30	e.25	2.0	3.5	2.2	1.7	.61	.10	.00	.00
7	.00	.41	.30	e.25	1.6	8.9	2.3	1.6	.56	.11	.00	.00
8	.00	.59	.32	e.30	e1.0	9.8	2.5	1.6	.51	.11	.00	.00
9	.00	.46	.33	.34	e.90	10	2.0	1.6	.46	.10	.00	.00
10	1.6	1.6	.33	.28	e.70	15	2.0	1.6	.43	.18	.00	.00
11	.31	2.0	.33	.36	e.70	10	1.8	1.6	.39	.21	.00	.00
12	.24	e.70	.35	e.35	.76	7.0	1.9	1.6	.38	.12	.00	.00
13	.21	e.50	e.30	e.35	.76	7.1	1.8	1.7	.41	.10	.00	.00
14	.21	e.30	e.30	e.30	4.9	6.3	1.8	1.6	.44	.10	.00	.00
15	.19	e.25	e.30	e.30	3.7	4.6	1.8	1.5	.39	.11	.00	.00
16	.18	e.25	e.30	e.30	.92	4.0	1.9	1.4	.34	.09	.00	.00
17	.16	e.20	e.30	e.30	1.1	3.3	1.9	1.4	.30	e.07	.00	.00
18	.15	e.20	e.30	e.30	1.3	3.6	2.0	1.4	.26	e.06	.00	.00
19	.15	e.20	e.30	e.30	1.4	5.9	2.1	1.4	.24	e.05	.00	.00
20	.14	e.15	e.30	e.35	1.2	7.1	2.1	1.4	.21	e.04	.00	.00
21	.14	e.15	e.30	e.40	1.1	7.4	2.3	1.3	.19	e.03	e.04	.00
22	.15	e.15	e.30	e.50	1.5	7.9	2.3	1.3	.17	e.02	e.07	.00
23	.24	.15	e.30	e.60	1.6	7.3	2.1	1.3	.15	e.01	e.06	.00
24	.34	.21	e.30	e.60	1.1	6.1	1.9	1.2	.15	e.00	e.04	.00
25	.32	.28	e.30	.52	1.1	5.6	2.0	1.2	.15	e.02	e.03	.00
26	.27	.29	e.30	.46	1.1	4.9	2.0	1.1	.24	e.05	e.01	.00
27	2.6	.30	e.30	.48	1.2	4.4	2.1	1.0	.25	e.02	.00	.00
28	.59	.30	e.30	.42	1.4	3.7	2.2	.97	.18	e.01	.00	.00
29	.43	.30	.30	.39	---	3.3	2.2	.88	.15	e.00	.00	.00
30	13	.30	.29	.41	---	3.1	2.1	.83	.13	e.00	.00	.00
31	1.5	---	.28	e.35	---	2.8	---	.77	---	e.00	.00	---
TOTAL	23.12	13.77	9.45	11.06	37.74	172.8	63.8	44.85	11.20	2.17	0.25	0.00
MEAN	.75	.46	.30	.36	1.35	5.57	2.13	1.45	.37	.070	.008	.000
MAX	13	2.0	.35	.60	4.9	15	2.7	2.1	.75	.21	.07	.00
MIN	.00	.15	.28	.25	.30	1.9	1.8	.77	.13	.00	.00	.00
AC-FT	46	27	19	22	75	343	127	89	22	4.3	.5	.00

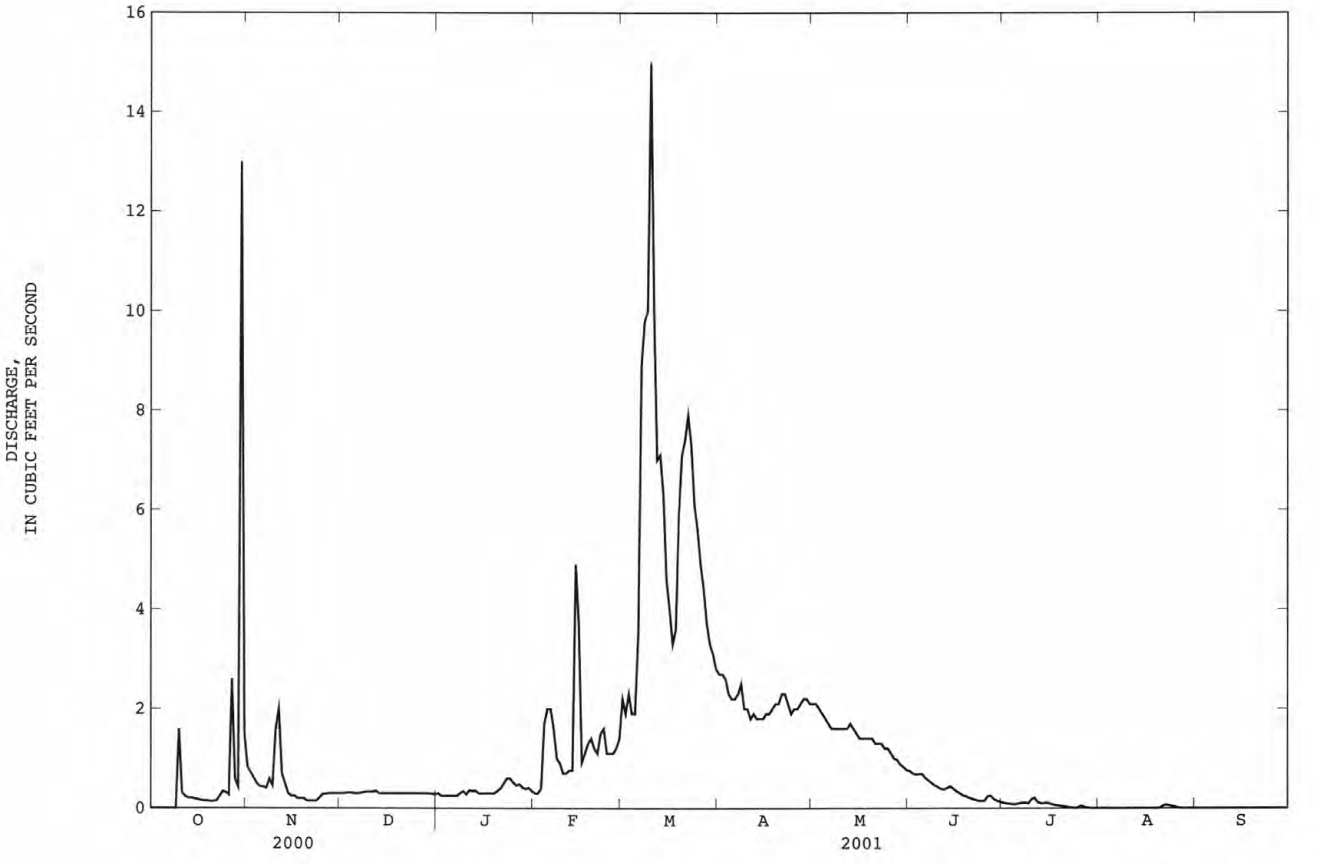
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	.44	.78	.77	1.46	3.62	7.07	4.53	2.95	1.39	.71	.36	.41
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	.30	.36	1.20	.89	.93	.48	.090	.000	.001	.000
(WY)	1997	2000	2001	2001	1999	1999	1996	1997	1996	1997	1996	1996

09406640 LEAP CREEK BELOW MAPLE HOLLOW, NEAR PINTURA, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	584.08		390.21			
ANNUAL MEAN	1.60		1.07		2.03	
HIGHEST ANNUAL MEAN					5.09	1995
LOWEST ANNUAL MEAN					.65	1996
HIGHEST DAILY MEAN	18	Mar 14	15	Mar 10	54	Feb 14 1995
LOWEST DAILY MEAN	.00	Jul 23	.00	Oct 1	.00	Jun 17 1996
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 26	.00	Oct 1	.00	Jun 17 1996
ANNUAL RUNOFF (AC-FT)	1160		774		1470	
10 PERCENT EXCEEDS	5.2		2.3		6.0	
50 PERCENT EXCEEDS	.35		.30		.75	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated



09406900 WET SANDY CREEK NEAR PINTURA, UT

LOCATION.--Lat. 37°19'27", long 113°21'23", in SW¼SW¼NE¼ 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 September 2001 (discontinued).

REVISED RECORD.--WDR 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, 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)
Oct 30	0820	*32	*5.85				

Minimum daily discharge, 0.20 ft^3/s, Oct 6, 7, 8, 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.21	.49	.41	.42	e.40	.52	2.4	3.3	1.8	2.0	1.0	.79
2	.21	.47	.41	.40	.41	.51	2.5	2.6	1.9	2.0	1.0	.79
3	.21	.47	.41	e.40	.46	.57	2.5	2.5	1.9	1.9	1.0	.78
4	.22	.49	.42	.42	.57	.55	2.5	2.5	2.0	1.9	1.0	.76
5	.21	.47	.41	.41	.76	.85	2.4	2.4	2.0	1.9	1.0	.74
6	.20	.46	.42	.41	.90	4.3	2.2	2.4	2.1	1.9	1.0	.72
7	.20	.54	.41	.45	.69	5.9	2.3	2.4	2.3	1.9	1.0	.68
8	.20	.85	.42	.42	.57	4.8	2.3	2.4	2.2	1.9	1.0	.68
9	.20	.47	.41	.50	.27	8.0	2.0	2.4	2.2	1.9	1.0	.65
10	.74	.76	.41	.42	.36	6.1	1.9	2.3	2.2	1.8	1.1	.64
11	.25	1.4	.41	e.50	.58	1.6	1.8	2.2	2.2	1.7	1.8	.63
12	.25	e1.0	.43	e.50	.47	1.1	1.9	2.1	2.2	1.6	1.2	.67
13	.25	e.80	.40	.43	.52	2.8	1.7	2.2	2.3	1.5	1.2	.67
14	.25	e.60	.43	.44	1.4	1.7	1.6	2.1	2.3	1.6	1.1	.64
15	.25	e.50	.43	.44	4.0	1.2	1.7	2.0	2.2	1.5	1.1	.60
16	.24	e.50	e.40	e.40	.72	1.1	1.8	2.0	2.4	1.4	1.0	.60
17	.23	e.50	.42	e.40	.51	1.0	2.0	2.0	2.2	1.5	1.1	.59
18	.22	e.50	e.40	.45	.53	1.6	2.2	2.0	2.2	1.4	.98	.56
19	.22	e.50	.41	.42	.66	2.8	2.4	2.2	2.3	1.4	.99	.55
20	.21	.56	e.40	.42	.68	3.3	2.4	2.1	2.3	1.4	1.0	.54
21	.21	.51	.42	e.40	.59	3.6	2.6	2.0	2.2	1.4	.99	.52
22	.22	.43	.41	.41	.68	4.1	2.5	1.9	2.1	1.3	.96	.50
23	.47	.41	.40	.43	.62	2.5	2.2	1.9	2.1	1.3	.89	.49
24	.29	.42	.39	.43	.50	2.6	2.4	1.9	2.1	1.3	.89	.48
25	.25	.43	e.40	.46	.45	2.2	2.5	1.7	2.1	1.3	.89	.48
26	.25	.45	e.40	.41	.48	2.2	2.9	1.7	2.2	1.3	.87	.48
27	1.1	.43	e.45	.42	.49	2.1	2.7	1.7	2.1	1.2	.85	.48
28	.35	.41	.45	.41	.56	2.2	3.3	1.9	2.0	1.2	.84	.46
29	.36	.41	.49	.41	---	2.1	3.2	1.9	2.1	1.1	.84	.46
30	4.0	.41	.43	e.40	---	2.1	3.3	1.8	2.0	1.0	.80	.45
31	.58	---	.42	e.40	---	2.1	---	1.8	---	1.0	.79	---
TOTAL	13.05	16.64	12.92	13.23	19.83	78.10	70.1	66.3	64.2	47.5	31.18	18.08
MEAN	.42	.55	.42	.43	.71	2.52	2.34	2.14	2.14	1.53	1.01	.60
MAX	4.0	1.4	.49	.50	4.0	8.0	3.3	3.3	2.4	2.0	1.8	.79
MIN	.20	.41	.39	.40	.27	.51	1.6	1.7	1.8	1.0	.79	.45
AC-FT	26	33	26	26	39	155	139	132	127	94	62	36

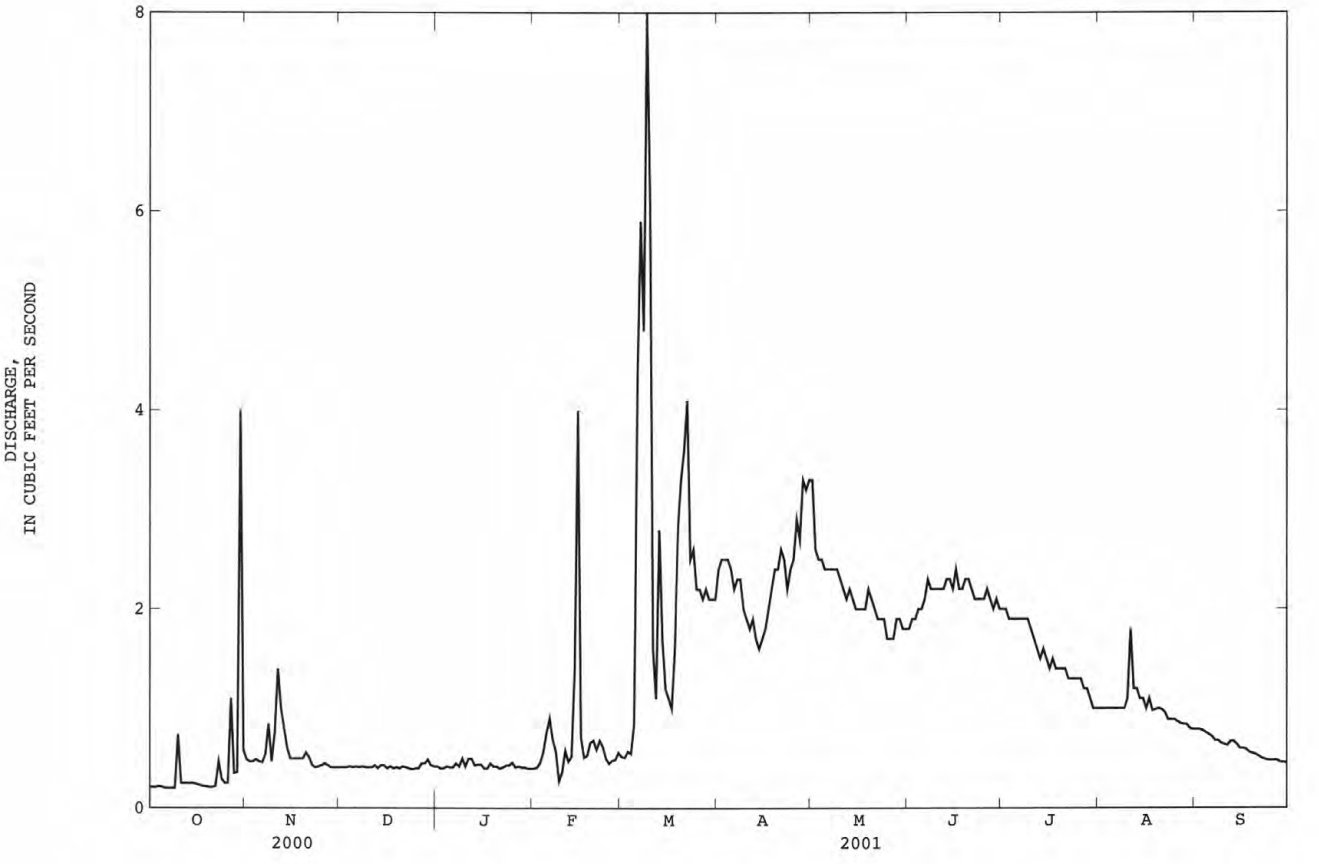
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2001, BY WATER YEAR (WY)

MEAN	.82	.71	.57	.64	1.39	3.31	2.47	2.43	2.10	2.77	1.42	1.12
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1995 - 2001	
ANNUAL TOTAL	276.97		451.13			
ANNUAL MEAN	.76		1.24		1.65	
HIGHEST ANNUAL MEAN					3.84	1995
LOWEST ANNUAL MEAN					.73	2000
HIGHEST DAILY MEAN	4.0	Oct 30	8.0	Mar 9	61	Feb 14 1995
LOWEST DAILY MEAN	.13	Jan 22	.20	Oct 6	.06	Aug 23 1996
ANNUAL SEVEN-DAY MINIMUM	.16	Jan 19	.21	Oct 3	.07	Aug 21 1996
ANNUAL RUNOFF (AC-FT)	549		895		1200	
10 PERCENT EXCEEDS	1.7		2.4		4.7	
50 PERCENT EXCEEDS	.50		.85		.78	
90 PERCENT EXCEEDS	.22		.40		.25	

e Estimated



09408000 LEEDS CREEK NEAR LEEDS, UT

LOCATION.--Lat 37°16'03", long 113°22'12", in SW¼SE¼NE¼ sec. 36, T. 40 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 1,150 ft upstream from Leeds Ditch diversion, 2.1 mi north of Leeds, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--15.5 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 for 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)
Mar 10	0015	*18	*2.11				

Minimum daily discharge, 2.5 ft^3/s, on several days in October.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	4.3	3.9	3.7	4.0	5.2	8.5	11	14	11	5.6	3.5
2	2.5	4.2	3.9	3.7	3.9	5.1	8.7	11	14	10	5.5	3.5
3	2.5	4.2	3.9	3.7	3.9	5.6	8.7	11	14	10	5.5	e3.5
4	2.6	4.1	3.9	3.7	4.1	5.4	8.7	11	14	9.8	5.3	e3.5
5	2.6	4.0	3.9	3.7	4.6	5.4	8.7	11	14	9.3	5.1	e3.5
6	2.5	4.0	3.9	3.7	5.0	6.8	8.8	11	14	9.3	5.0	e3.5
7	2.5	4.0	3.9	3.7	5.0	8.6	8.8	11	14	9.9	4.9	e3.3
8	2.5	4.0	3.9	3.7	4.9	8.0	9.0	11	14	9.6	5.0	e3.3
9	2.5	4.0	3.9	4.1	4.8	8.3	8.9	11	14	9.1	5.0	e3.3
10	3.8	e4.0	3.9	3.8	4.7	12	8.7	10	14	8.9	4.9	e3.3
11	3.2	e4.0	3.9	4.7	4.7	8.8	8.7	10	14	8.6	5.1	e3.3
12	3.1	4.0	3.9	4.1	4.7	7.2	8.8	10	14	8.5	4.8	e3.3
13	3.1	e4.0	3.9	3.9	4.7	7.0	8.7	10	14	8.4	4.8	e3.3
14	3.1	4.0	3.9	3.7	4.8	7.0	8.7	10	14	8.4	4.8	e3.3
15	3.0	4.0	3.9	3.7	4.7	6.6	8.7	10	14	8.4	4.6	e3.3
16	3.0	4.0	3.9	3.7	4.7	6.4	8.8	10	14	8.2	4.6	e3.3
17	3.0	4.0	3.9	e3.7	4.6	6.3	8.9	11	13	8.0	4.4	e3.1
18	3.0	e4.0	3.9	e3.7	4.7	6.2	9.2	11	13	7.8	4.2	e3.1
19	3.0	4.0	e3.9	3.8	4.9	6.2	9.5	11	13	7.7	4.2	e3.1
20	3.0	4.0	e3.8	3.8	5.0	6.7	9.6	11	13	7.5	4.5	e3.1
21	3.0	4.0	3.9	3.8	4.8	7.4	10	11	13	7.2	4.4	e3.1
22	3.0	4.0	3.9	3.9	4.9	7.9	10	11	12	7.1	4.2	e3.1
23	3.5	4.0	3.9	3.9	5.0	8.2	10	11	12	7.0	4.1	e3.1
24	3.4	4.0	3.9	3.9	4.8	8.2	10	11	12	6.7	4.0	e3.1
25	3.2	4.0	3.8	4.0	4.8	8.2	10	12	12	6.8	3.9	e3.1
26	3.1	4.0	3.7	3.9	4.9	8.4	10	12	12	6.7	3.8	e3.1
27	5.1	4.0	3.7	4.0	4.8	8.7	10	12	12	6.4	3.7	e3.1
28	3.8	4.0	3.7	4.0	5.4	8.6	11	13	11	6.1	3.6	e3.1
29	3.6	3.9	3.7	3.9	---	8.5	11	13	11	5.9	3.6	e3.1
30	6.5	3.9	3.7	3.8	---	8.6	11	13	11	5.9	3.6	e3.1
31	4.7	---	3.7	4.1	---	8.5	---	14	---	5.8	3.6	---
TOTAL	99.9	120.6	119.5	119.5	131.8	230.0	280.1	346	394	250.0	140.3	97.4
MEAN	3.22	4.02	3.85	3.85	4.71	7.42	9.34	11.2	13.1	8.06	4.53	3.25
MAX	6.5	4.3	3.9	4.7	5.4	12	11	14	14	11	5.6	3.5
MIN	2.5	3.9	3.7	3.7	3.9	5.1	8.5	10	11	5.8	3.6	3.1
AC-FT	198	239	237	237	261	456	556	686	781	496	278	193

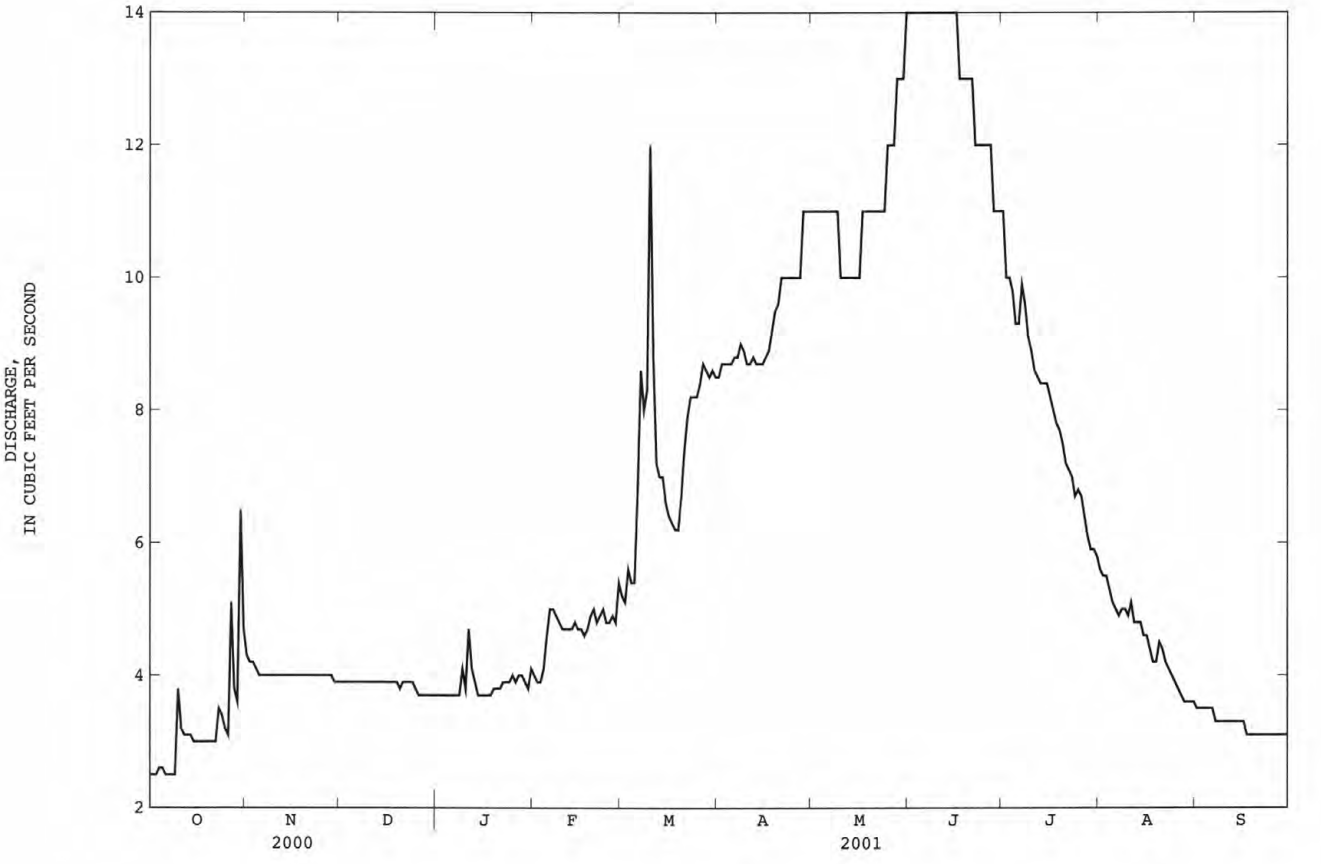
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	4.03	4.15	4.63	4.61	6.54	9.34	9.78	10.8	13.3	10.9	7.11	4.70
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	1694.7		2329.1			
ANNUAL MEAN	4.63		6.38		7.50	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.20	1977
HIGHEST DAILY MEAN	8.5	Jun 3	14	May 31	412	Dec 6 1966
LOWEST DAILY MEAN	2.5	Oct 1	2.5	Oct 1	1.1	Sep 17 1972
ANNUAL SEVEN-DAY MINIMUM	2.5	Oct 1	2.5	Oct 1	1.3	Jul 10 1977
ANNUAL RUNOFF (AC-FT)	3360		4620		5430	
10 PERCENT EXCEEDS	7.7		11		16	
50 PERCENT EXCEEDS	3.9		4.8		4.7	
90 PERCENT EXCEEDS	2.7		3.2		2.5	

e Estimated



09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°10'20", long 113°23'07", in NE¼SE¼SE¼ 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 February 1989, October 1990 to current year.

REVISED RECORDS.--WDR UT-78-1 and WDR 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 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)
Oct 30	1700	*1,810	*8.88				

Minimum daily discharge, 37 ft^3/s, Jul 22.

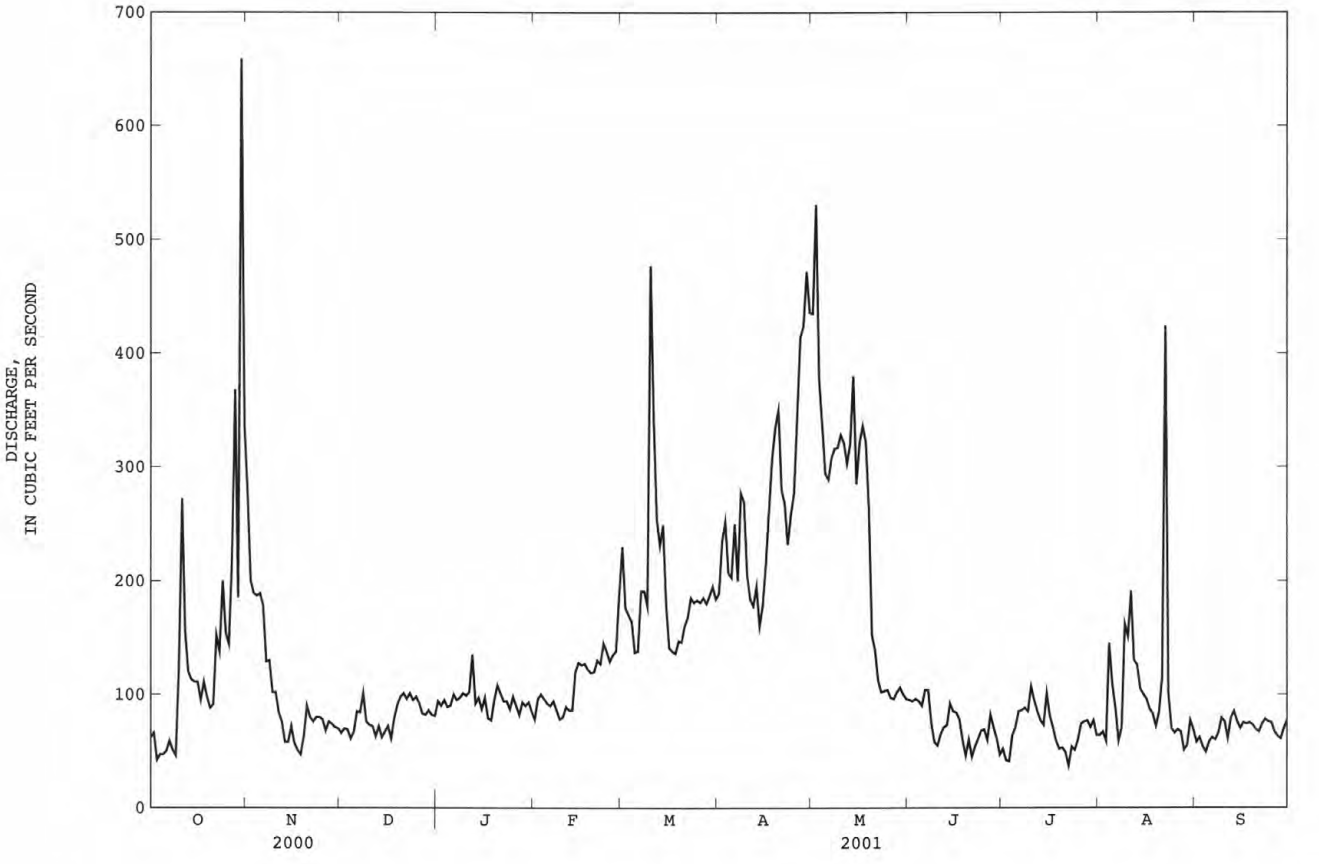
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e62	277	66	e94	78	230	189	435	95	52	64	58
2	e66	200	70	e90	96	176	235	531	94	42	67	62
3	42	189	69	e95	100	170	252	377	96	41	59	54
4	47	187	61	89	96	164	207	336	94	64	145	49
5	47	189	67	90	92	137	203	294	90	71	109	58
6	50	178	85	e100	90	138	250	289	104	85	88	62
7	59	129	84	e95	94	191	200	308	104	86	59	60
8	51	130	101	e97	86	191	277	316	75	88	71	66
9	46	e102	76	e101	78	178	269	317	58	85	162	79
10	123	102	73	99	80	477	205	328	55	107	151	76
11	e272	84	72	102	89	341	184	321	65	95	191	61
12	e155	76	63	135	86	254	178	303	71	85	130	79
13	e120	58	72	92	86	231	195	320	73	77	126	85
14	113	58	62	97	120	249	160	380	92	73	105	76
15	111	72	67	87	128	179	178	285	85	101	100	70
16	111	57	72	97	126	141	215	321	84	81	96	75
17	95	51	61	79	127	138	262	336	78	71	87	74
18	111	47	79	77	122	136	308	322	60	59	83	75
19	98	63	91	95	119	147	335	263	46	52	72	73
20	88	90	98	108	120	146	350	152	60	53	84	69
21	91	80	101	e101	130	160	280	139	45	49	115	67
22	152	76	96	e94	127	168	268	112	54	37	424	74
23	138	80	101	e94	145	185	232	102	61	54	101	78
24	200	e80	95	e87	138	181	258	103	68	51	70	76
25	154	78	98	e98	129	183	277	104	69	60	66	75
26	144	68	92	e90	135	181	346	97	60	74	69	67
27	222	76	83	e82	138	185	414	96	82	76	67	63
28	368	74	82	93	188	180	424	102	71	77	51	61
29	185	71	86	e90	---	187	472	106	61	71	55	70
30	659	70	82	e93	---	195	436	100	47	77	77	77
31	336	---	81	e85	---	184	---	96	---	64	69	---
TOTAL	4516	3092	2486	2926	3143	6003	8059	7691	2197	2158	3213	2069
MEAN	146	103	80.2	94.4	112	194	269	248	73.2	69.6	104	69.0
MAX	659	277	101	135	188	477	472	531	104	107	424	85
MIN	42	47	61	77	78	136	160	96	45	37	51	49
AC-FT	8960	6130	4930	5800	6230	11910	15990	15260	4360	4280	6370	4100
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968-88, 1991-2001, BY WATER YEAR (WY)												
MEAN	123	144	164	203	245	330	407	485	193	115	124	131
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1968-88, 1991-2001	
ANNUAL TOTAL	47224		47553			
ANNUAL MEAN	129		130		222	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					72.2	1991
HIGHEST DAILY MEAN	659	Oct 30	659	Oct 30	13200	Jan 1 1989
LOWEST DAILY MEAN	40	Sep 20	37	Jul 22	23	Dec 11 1986
ANNUAL SEVEN-DAY MINIMUM	49	Oct 3	49	Oct 3	31	Dec 8 1986
ANNUAL RUNOFF (AC-FT)	93670		94320		160600	
10 PERCENT EXCEEDS	265		274		414	
50 PERCENT EXCEEDS	90		94		137	
90 PERCENT EXCEEDS	60		60		67	

e Estimated



09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'18", in NE¼SE¼SE¼ 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 are good except for October 1 to April 3, which are fair, and estimated daily discharges, which are poor. Completely regulated canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 ft³/s, Oct 22, 1989; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 116 ft³/s, Aug 22, gage height, 8.59 ft; minimum, no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	.71	67	77	.00	79	e91	75	87	61	68	73
2	72	.74	66	76	.00	55	e96	71	87	61	69	76
3	55	.74	56	76	.00	.00	e64	95	88	55	69	69
4	56	.74	56	75	.00	.00	32	94	88	70	73	66
5	56	.27	56	74	.00	.00	93	93	85	75	85	70
6	57	.39	53	77	.00	.00	100	76	90	84	88	74
7	63	.69	49	78	.00	.00	97	65	92	89	70	73
8	62	.69	61	78	.00	.00	101	91	78	88	68	76
9	59	.69	60	78	.00	.00	96	92	65	89	81	79
10	56	.69	60	31	.00	3.7	89	92	65	90	84	79
11	56	.69	60	.00	.00	.00	88	92	69	90	83	75
12	57	.69	60	.00	.00	.00	81	92	76	90	86	79
13	57	.69	34	38	.00	.00	77	92	76	84	58	80
14	67	e66	35	72	.00	.00	74	93	78	78	35	79
15	85	e66	35	68	.00	e30	75	91	78	85	89	77
16	64	e66	35	65	.00	e76	78	91	85	83	84	78
17	65	e66	35	60	.00	e76	85	93	82	76	79	78
18	83	e66	35	65	.00	e76	94	92	73	74	76	78
19	79	e66	35	64	44	e79	95	90	60	61	70	77
20	73	e66	35	64	72	e80	88	83	66	66	72	76
21	74	e66	52	64	73	e82	56	64	63	58	80	74
22	32	e66	78	64	72	e84	93	47	64	54	109	75
23	42	e66	78	64	73	e84	92	80	69	60	41	78
24	76	e66	78	63	74	e84	92	80	71	64	58	60
25	75	e66	78	21	72	e84	93	80	73	67	79	11
26	74	e66	76	.00	73	e84	95	79	68	74	79	69
27	76	e66	70	.00	73	e84	96	79	74	76	81	85
28	66	66	76	.00	76	e85	93	80	78	76	70	e81
29	45	66	76	.00	---	e87	88	80	73	72	69	e81
30	2.9	68	77	.00	---	e88	85	84	60	66	79	e81
31	.69	---	77	.00	---	e88	---	88	---	70	79	---
TOTAL	1860.59	1132.42	1799	1492.00	702.00	1488.70	2577	2594	2261	2286	2311	2207
MEAN	60.0	37.7	58.0	48.1	25.1	48.0	85.9	83.7	75.4	73.7	74.5	73.6
MAX	85	68	78	78	76	88	101	95	92	90	109	85
MIN	.69	.27	34	.00	.00	.00	32	47	60	54	35	11
AC-FT	3690	2250	3570	2960	1390	2950	5110	5150	4480	4530	4580	4380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	63.5	45.8	40.8	28.0	27.9	47.7	78.5	80.1	78.1	77.3	76.0	75.6
MAX	76.6	66.0	58.0	54.8	48.2	79.6	94.9	93.8	97.0	99.5	95.0	93.4
(WY)	1996	2000	2001	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1988 - 2001	
ANNUAL TOTAL	21282.01		22710.71			
ANNUAL MEAN	58.1		62.2		60.1	
HIGHEST ANNUAL MEAN					70.2	1994
LOWEST ANNUAL MEAN					52.8	1989
HIGHEST DAILY MEAN	102	Apr 8	109	Aug 22	116	Oct 22 1989
LOWEST DAILY MEAN	.00	Feb 7	.00	Jan 11	.00	Feb 9 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Feb 7	.00	Jan 26	.00	Jan 2 1989
ANNUAL RUNOFF (AC-FT)	42210		45050		43530	
10 PERCENT EXCEEDS	88		90		93	
50 PERCENT EXCEEDS	66		73		66	
90 PERCENT EXCEEDS	.00		.00		14	

e Estimated

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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 good; 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, 34.9°C, Jul 3, 2001; minimum, 0.0°C, Dec 21, 1990.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 4,000 microsiemens, Jul 3; minimum, 735 microsiemens, Apr 29.
WATER TEMPERATURE: Maximum, 34.9°C, Jul 3; minimum, 2.4°C, Dec 20.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2740	2660	3620	1590	1560	1570	2000	1940	1970	2510	2450	2480
2	3290	2650	2750	1620	1590	1610	2020	1870	1910	---	---	---
3	3540	3140	3320	1650	1610	1630	2080	1860	1950	---	---	---
4	3620	3100	3320	1690	1650	1670	1960	1760	1860	---	---	---
5	3380	3200	3280	---	---	---	1920	1880	1910	---	---	---
6	3460	3080	3200	---	---	---	1930	1430	1660	---	---	---
7	3330	2770	3080	1500	1470	1480	2050	1730	1800	---	---	---
8	3330	2830	3040	1510	1470	1490	1790	1740	1770	---	---	---
9	3200	3090	3150	1500	1480	1490	1800	1740	1770	---	---	---
10	3400	1830	3210	1510	1490	1500	1770	1720	1740	---	---	---
11	1830	1240	1360	1510	1490	1500	1780	1760	1770	---	---	---
12	1490	1240	1360	1530	1490	1510	1870	1760	1810	---	---	---
13	1640	1490	1570	1530	1500	1520	1900	---	---	---	---	---
14	1700	1620	1650	1670	1520	1570	1910	1790	1850	---	---	---
15	1800	1700	1750	1790	1670	1730	1930	1810	1900	---	---	---
16	1750	1680	1720	1870	1790	1830	1860	1660	1800	---	---	---
17	2000	1720	1900	1950	1870	1910	1900	1660	1840	---	---	---
18	2000	1890	1940	2030	1950	1990	1980	1630	1830	---	---	---
19	2060	1880	1970	2110	2030	2070	1630	1540	1590	---	---	---
20	2280	1980	2110	2210	2110	2160	1690	1510	1600	---	---	---
21	2250	2150	2210	2300	2210	2250	1640	1470	1530	---	---	---
22	---	---	---	2380	2300	2340	1700	1510	1600	---	---	---
23	---	---	---	---	---	---	1770	1630	1680	---	---	---
24	1820	1420	1530	---	---	---	1830	1720	1770	---	---	---
25	1650	1530	1580	---	---	---	1980	1830	1880	---	---	---
26	1690	1630	1670	---	---	---	2040	1890	1950	---	---	---
27	1690	1470	1630	---	---	---	2250	2040	2090	---	---	---
28	1520	1010	1200	2290	2080	2120	2270	2180	2210	---	---	---
29	1490	1330	1430	2100	1990	2030	2310	2230	2260	---	---	---
30	2720	---	1590	2040	1950	2000	2360	2250	2300	---	---	---
31	1560	1410	1520	---	---	---	2460	2340	2400	---	---	---
MONTH	3620	1010	2200	2380	1470	1780	2460	1430	1870	2510	2450	2480

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	994	784	869
2	---	---	---	---	---	---	---	---	---	1160	---	---
3	---	---	---	---	---	---	---	---	---	1010	806	926
4	---	---	---	---	---	---	---	---	---	1120	1010	1070
5	---	---	---	---	---	---	1630	1320	1450	1180	1030	1130
6	---	---	---	---	---	---	1430	1090	1240	1260	---	---
7	---	---	---	---	---	---	1470	1250	1380	1260	---	---
8	---	---	---	---	---	---	1550	1010	1280	1290	939	1080
9	---	---	---	---	---	---	1310	930	1100	1230	919	1060
10	---	---	---	---	---	---	1630	1310	1460	1190	893	1020
11	---	---	---	---	---	---	1630	1400	1520	1080	917	993
12	---	---	---	---	---	---	1890	1570	1670	1100	976	1040
13	---	---	---	---	---	---	1640	1360	1480	1130	978	1060
14	---	---	---	---	---	---	1960	1490	1720	1540	967	1180
15	---	---	---	---	---	---	1940	1460	1700	1120	1020	1070
16	---	---	---	---	---	---	1620	1260	1450	1210	839	1090
17	---	---	---	---	---	---	1560	1060	1260	1100	943	998
18	---	---	---	---	---	---	1340	959	1090	1140	1100	1110
19	---	---	---	---	---	---	1210	920	1020	1560	1140	1200
20	---	---	---	---	---	---	1140	889	989	1610	1120	1330
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	1220	1120	1170	---	---	---
23	---	---	---	---	---	---	1390	1220	1290	2260	2060	2170
24	---	---	---	---	---	---	1680	1000	1280	2350	2210	2270
25	---	---	---	---	---	---	1460	1040	1220	2370	2140	2270
26	---	---	---	---	---	---	1290	891	1020	2380	2200	2330
27	---	---	---	---	---	---	1090	803	901	2500	2210	2400
28	---	---	---	---	---	---	943	795	858	2380	2200	2280
29	---	---	---	---	---	---	967	735	815	2380	2110	2260
30	---	---	---	---	---	---	911	771	834	2350	2200	2290
31	---	---	---	---	---	---	---	---	---	2400	2280	2350
MONTH	---	---	---	---	---	---	1960	735	1250	2500	784	1490

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2400	2280	2360	3470	2980	3230	3420	2590	2990	2820	2520	2670
2	2460	2280	2390	3640	2940	3370	3000	2550	2720	2990	2340	2680
3	2440	2310	2380	4000	3020	3570	2910	2440	2670	3060	2280	2800
4	2390	2280	2330	3090	2930	3010	3530	1600	2320	3050	2820	2930
5	2460	2360	2430	3220	2890	3010	2560	1600	2080	3210	2550	2920
6	2560	2280	2410	3180	2710	2910	2390	2010	2110	2900	2420	2650
7	2340	2160	2240	3000	2550	2680	2680	2080	2250	2850	2450	2670
8	2940	2200	2500	2780	2660	2720	2930	2340	2660	2930	2400	2630
9	3020	2850	2920	2710	2560	2600	2900	1660	2140	2940	2230	2540
10	3100	2900	2980	2760	2190	2520	2170	1360	1780	2480	2150	2370
11	3020	2500	2910	2480	2070	2310	2060	1320	1610	2760	2330	2560
12	2880	2480	2670	2440	2300	2360	2030	1430	1720	3000	2390	2650
13	2880	2490	2650	2560	2380	2440	---	---	---	2550	2380	2460
14	3040	2340	2600	2620	2540	2570	---	---	---	2590	2380	2420
15	2870	2380	2450	2700	2430	2550	2180	2020	2090	2880	2490	2640
16	3060	2400	2560	2530	2330	2430	2210	1920	2130	2870	2330	2620
17	2710	2510	2610	2780	2520	2650	2210	2050	2160	2930	2550	2670
18	3160	2570	2810	2730	2550	2630	2540	2080	2290	2930	2400	2540
19	3390	3160	3270	3150	2710	3020	2440	2060	2230	2820	2590	2710
20	3350	2940	3120	2970	2790	2910	2560	2200	2320	2780	2450	2660
21	3260	2910	3090	3240	2760	3000	2200	2090	2140	2920	2560	2780
22	3430	2820	3180	3250	2710	3010	2240	1180	1500	3000	2660	2820
23	3380	2810	3010	3280	3000	3140	3330	---	---	2770	2530	2640
24	3460	2810	3060	3120	2770	2920	2790	1660	2440	2810	2530	---
25	2960	2820	2890	3100	2860	2990	2570	2260	2430	---	---	---
26	3260	2820	3000	3010	2840	2920	2890	2500	2630	2620	2410	2520
27	3560	2740	3000	2940	2700	2790	2680	2130	2410	2790	2490	2690
28	2850	2760	2820	2970	2700	2830	2990	2410	2620	2900	2580	2740
29	2970	2820	2920	2960	2630	2810	3080	2340	2720	2910	2660	2770
30	3380	2780	3170	3080	2610	2900	3140	2230	2720	2910	2480	2570
31	---	---	---	2940	2680	2810	2580	2250	2500	---	---	---
MONTH	3560	2160	2760	4000	2070	2830	3530	1180	2300	3210	2150	2650
YEAR	4000	735	2160									

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.3	15.2	19.0	13.2	9.4	11.0	10.8	6.2	8.6	9.5	3.9	6.3
2	23.9	15.2	19.1	13.5	8.8	10.5	12.1	7.2	9.3	---	---	---
3	25.1	16.9	20.5	13.0	7.6	9.8	11.9	6.0	8.6	---	---	---
4	22.2	16.8	19.0	14.0	7.9	10.5	11.4	5.6	8.3	---	---	---
5	24.3	15.0	19.3	---	---	---	11.6	6.0	8.5	---	---	---
6	23.6	14.6	19.0	---	---	---	11.1	5.5	8.2	---	---	---
7	23.5	14.6	19.0	10.6	5.8	7.8	12.0	7.3	9.5	---	---	---
8	23.4	15.4	19.2	12.2	5.2	8.2	12.4	9.4	10.6	---	---	---
9	22.4	14.7	18.5	10.2	6.9	8.6	12.3	7.6	9.8	---	---	---
10	20.2	16.6	18.2	11.8	8.7	10.0	12.1	9.0	10.1	---	---	---
11	18.8	13.6	15.7	10.1	7.2	8.6	11.0	6.6	9.0	---	---	---
12	17.9	12.2	14.5	11.5	6.2	8.4	10.3	7.6	8.9	---	---	---
13	18.7	10.8	14.4	11.0	4.8	7.7	9.9	---	---	---	---	---
14	19.2	11.0	14.7	12.3	5.7	8.6	11.0	6.2	8.1	---	---	---
15	19.2	11.3	15.1	11.6	5.4	8.4	9.9	6.0	7.8	---	---	---
16	19.5	11.3	15.1	10.9	6.1	8.2	10.2	4.9	7.3	---	---	---
17	20.3	11.3	15.4	10.2	3.8	6.6	9.9	4.5	6.6	---	---	---
18	19.0	11.6	15.4	9.9	3.3	6.3	8.2	2.8	5.1	---	---	---
19	20.9	13.5	16.8	10.7	4.1	7.0	6.6	2.5	4.3	---	---	---
20	20.5	12.6	16.4	11.4	4.8	7.8	7.8	2.4	4.7	---	---	---
21	20.1	13.8	16.2	11.5	6.0	8.5	8.9	3.3	5.6	---	---	---
22	---	---	---	12.1	6.9	9.3	9.2	3.6	6.0	---	---	---
23	---	---	---	13.0	7.0	9.6	8.9	3.8	6.0	---	---	---
24	15.8	12.5	13.9	12.0	6.8	9.2	9.2	4.1	6.3	---	---	---
25	18.9	13.4	15.4	12.1	6.3	8.9	8.9	4.3	6.1	---	---	---
26	17.1	13.2	14.9	11.5	6.1	8.8	8.6	3.2	5.3	---	---	---
27	14.9	12.1	13.6	12.0	7.2	9.3	8.8	3.1	5.5	---	---	---
28	13.8	10.8	12.1	12.6	6.3	9.1	9.3	3.8	6.2	---	---	---
29	13.6	12.5	13.0	12.5	6.5	9.2	9.4	4.3	6.4	---	---	---
30	13.5	10.6	12.3	12.6	6.7	9.4	9.4	3.9	6.3	---	---	---
31	11.3	9.1	10.2	---	---	---	9.2	3.6	6.0	---	---	---
MONTH	25.1	9.1	16.1	14.0	3.3	8.8	12.4	2.4	7.3	9.5	3.9	6.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	19.3	14.3	16.5
2	---	---	---	---	---	---	---	---	---	16.9	9.9	13.4
3	---	---	---	---	---	---	---	---	---	14.2	9.8	11.7
4	---	---	---	---	---	---	---	---	---	15.5	10.4	12.7
5	---	---	---	---	---	---	15.0	12.3	13.7	18.1	11.5	14.4
6	---	---	---	---	---	---	14.2	11.1	12.3	19.8	12.9	15.8
7	---	---	---	---	---	---	12.2	10.6	11.4	20.8	---	---
8	---	---	---	---	---	---	14.1	9.5	11.2	21.5	14.5	17.8
9	---	---	---	---	---	---	13.6	8.3	10.9	21.6	15.2	18.3
10	---	---	---	---	---	---	13.5	9.3	11.3	21.5	15.5	18.3
11	---	---	---	---	---	---	15.7	8.8	11.8	22.3	15.7	18.6
12	---	---	---	---	---	---	16.8	10.6	13.1	20.1	16.3	18.1
13	---	---	---	---	---	---	17.7	10.0	13.4	21.7	16.5	18.7
14	---	---	---	---	---	---	19.4	11.8	15.2	21.6	15.6	18.5
15	---	---	---	---	---	---	19.5	12.1	15.6	21.6	16.2	18.7
16	---	---	---	---	---	---	19.8	12.3	15.8	22.2	15.9	18.7
17	---	---	---	---	---	---	19.4	12.9	16.0	22.9	16.9	19.5
18	---	---	---	---	---	---	17.6	13.8	15.6	22.2	17.7	19.7
19	---	---	---	---	---	---	17.5	13.0	15.0	22.4	16.1	19.4
20	---	---	---	---	---	---	15.3	---	13.2	25.4	16.5	20.7
21	---	---	---	---	---	---	13.1	---	---	24.4	15.2	---
22	---	---	---	---	---	---	15.9	10.2	12.8	26.4	---	---
23	---	---	---	---	---	---	18.4	11.3	14.6	28.3	16.9	22.2
24	---	---	---	---	---	---	19.5	12.8	15.8	27.8	17.7	22.6
25	---	---	---	---	---	---	20.5	13.9	17.0	28.2	18.1	22.8
26	---	---	---	---	---	---	19.7	14.7	17.1	27.3	18.2	22.4
27	---	---	---	---	---	---	17.4	14.9	16.1	26.4	17.9	21.9
28	---	---	---	---	---	---	18.8	14.0	16.1	26.4	18.2	21.6
29	---	---	---	---	---	---	18.5	14.2	16.0	27.3	17.7	22.0
30	---	---	---	---	---	---	18.9	13.8	16.0	27.8	18.0	22.2
31	---	---	---	---	---	---	---	---	---	27.9	17.3	22.1
MONTH	---	---	---	---	---	---	20.5	8.3	14.3	28.3	9.8	18.9

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28.9	17.6	22.8	30.8	20.8	25.3	29.3	18.0	23.3	27.3	18.1	22.2
2	23.2	19.2	21.3	32.1	20.3	25.8	30.3	---	24.5	26.9	17.7	21.8
3	25.6	16.5	20.7	34.9	22.6	28.1	28.7	22.2	24.9	26.9	18.1	22.1
4	24.6	15.0	19.6	33.1	22.3	26.8	28.5	21.1	24.5	27.5	19.0	22.7
5	25.8	14.8	19.9	29.4	21.7	24.3	27.8	---	23.4	26.1	18.3	22.0
6	27.5	16.1	21.3	28.4	20.6	23.9	29.7	21.0	24.9	25.1	17.9	20.9
7	28.3	17.8	22.7	30.3	21.3	24.9	30.6	20.8	25.0	23.8	14.3	18.7
8	29.3	18.2	23.4	29.1	20.8	24.3	29.8	21.4	24.6	23.3	14.2	18.0
9	29.7	19.4	24.2	29.2	21.1	24.1	28.7	21.6	24.7	23.6	13.2	18.0
10	29.1	18.8	23.4	28.6	20.9	24.3	29.3	20.7	24.6	24.7	15.1	19.7
11	29.0	17.9	22.9	29.5	20.0	24.5	28.8	21.0	24.9	23.0	16.5	19.9
12	26.2	17.5	21.3	30.2	20.8	25.2	27.3	21.3	24.2	21.9	17.6	20.0
13	22.2	14.6	17.9	30.5	20.6	25.1	29.4	---	---	24.7	17.8	20.8
14	25.4	13.0	18.6	28.4	21.6	24.5	---	---	---	26.0	17.7	21.3
15	27.5	15.3	21.0	27.6	20.4	23.6	28.8	20.8	24.3	26.5	17.8	21.6
16	27.9	16.2	21.4	26.0	17.6	21.6	29.4	20.3	24.2	26.2	18.5	21.8
17	28.0	16.5	22.0	26.3	16.8	21.1	28.8	20.0	24.0	24.8	16.9	20.5
18	28.3	17.1	22.4	26.8	16.1	20.9	28.9	20.0	24.1	24.9	16.1	20.1
19	29.8	17.9	23.5	27.7	17.2	22.2	27.6	20.5	23.3	24.8	15.8	19.9
20	29.8	18.2	23.7	28.3	18.4	22.8	23.2	20.2	21.4	25.0	16.0	20.1
21	30.3	19.1	24.4	28.6	18.0	22.5	26.4	19.1	22.3	25.0	16.1	20.1
22	29.5	20.0	24.4	29.6	17.4	23.2	23.6	---	20.8	24.8	15.6	19.9
23	30.3	19.8	24.4	27.7	17.7	22.8	25.9	---	---	24.6	16.0	20.2
24	28.7	20.1	23.8	29.3	18.0	23.4	26.2	17.2	21.4	25.3	16.1	---
25	27.5	18.1	22.3	26.4	18.3	21.7	27.3	17.6	22.1	---	---	---
26	26.2	19.4	22.1	29.3	19.5	23.7	28.2	18.3	22.9	24.9	16.2	20.2
27	29.0	18.9	23.4	28.7	19.3	23.6	27.9	18.5	22.9	24.6	15.7	19.7
28	29.6	18.0	23.4	29.8	19.5	24.2	28.2	18.7	23.0	24.1	16.0	19.7
29	29.6	17.6	23.3	29.3	19.3	23.7	28.7	19.7	23.4	24.6	16.2	20.0
30	30.4	17.2	23.4	28.5	20.1	23.8	26.6	18.9	22.5	24.6	16.6	20.2
31	---	---	---	28.9	18.7	23.4	26.9	18.2	22.2	---	---	---
MONTH	30.4	13.0	22.3	34.9	16.1	23.8	30.6	17.2	23.5	27.5	13.2	20.4
YEAR	34.9	2.4	17.3									

09408195 FORT PEARCE WASH NEAR ST. GEORGE, UT
(Formerly published as Fort Pierce Wash near St. George, Ut)

LOCATION.--Lat 37°00'06"(corrected), long 113°28'05", in NE¼NE¼SW¼ (corrected) sec. 31, T. 43 S., R. 14 W., Washington County, Hydrologic Unit 15010009, on left bank 20 ft upstream of road crossing, 0.12 mi north of Arizona-Utah boundary, and about 10 mi southeast of St. George.

DRAINAGE AREA.--1,349 mi^2.

REVISED RECORD.--WDR UT-88-1: Drainage area.

PERIOD OF RECORD.--October 1984 to September 1989, May to September 2001.

GAGE.--Water-stage recorder. Elevation of gage is 2,800 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,240 ft^3/s, Aug 18, 1989, gage height, 9.93 ft; no flow for extended periods most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 139 ft^3/s, Jul 7, gage height, 5.31 ft; minimum, no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	.00	.00	.00
2	---	---	---	---	---	---	---	---	---	.00	.00	.00
3	---	---	---	---	---	---	---	---	---	.00	.99	.00
4	---	---	---	---	---	---	---	---	---	.00	.08	.00
5	---	---	---	---	---	---	---	---	---	.00	.00	.00
6	---	---	---	---	---	---	---	---	---	3.4	.00	.00
7	---	---	---	---	---	---	---	---	---	19	.00	.00
8	---	---	---	---	---	---	---	---	.00	1.4	.09	e.00
9	---	---	---	---	---	---	---	---	.00	.73	.43	.00
10	---	---	---	---	---	---	---	---	.00	.21	.00	.00
11	---	---	---	---	---	---	---	---	.00	.00	.00	.00
12	---	---	---	---	---	---	---	---	.00	.00	.00	.00
13	---	---	---	---	---	---	---	---	.00	.00	.00	.00
14	---	---	---	---	---	---	---	---	.00	e.00	.00	.00
15	---	---	---	---	---	---	---	---	.00	e.00	.00	.00
16	---	---	---	---	---	---	---	---	.00	.00	.00	.00
17	---	---	---	---	---	---	---	---	.00	.00	.00	.00
18	---	---	---	---	---	---	---	---	.00	.00	.00	.00
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.00	.00	.00	.00
21	---	---	---	---	---	---	---	---	.00	.00	.00	.00
22	---	---	---	---	---	---	---	---	.00	.00	.00	.00
23	---	---	---	---	---	---	---	---	.82	.00	.00	.00
24	---	---	---	---	---	---	---	---	.00	.00	.00	.00
25	---	---	---	---	---	---	---	---	.00	.00	.00	.00
26	---	---	---	---	---	---	---	---	.01	.00	.00	.00
27	---	---	---	---	---	---	---	---	.00	.00	.00	.00
28	---	---	---	---	---	---	---	---	.00	.00	.00	.00
29	---	---	---	---	---	---	---	---	.00	.00	.00	.00
30	---	---	---	---	---	---	---	---	.00	.00	.00	.00
31	---	---	---	---	---	---	---	---	---	.00	.00	---
TOTAL	---	---	---	---	---	---	---	---	---	24.74	1.59	0.00
MEAN	---	---	---	---	---	---	---	---	---	.80	.051	.000
MAX	---	---	---	---	---	---	---	---	---	19	.99	.00
MIN	---	---	---	---	---	---	---	---	---	.00	.00	.00
AC-FT	---	---	---	---	---	---	---	---	---	49	3.2	.00

e Estimated

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT

LOCATION.--Lat 37°23'00" long 113°28'57", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ 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.

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 2	0200	62	2.62	May 13	2100	*90	*2.89

Minimum daily discharge, 2.1 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	5.9	2.9	e2.4	e2.1	e5.6	e5.7	54	29	11	5.8	3.5
2	2.3	5.5	2.9	e2.4	e2.2	e6.0	e6.5	57	28	11	5.7	3.5
3	2.3	5.1	2.9	e2.5	e2.3	e6.2	e7.4	41	26	11	5.6	3.5
4	2.2	4.9	2.8	e2.6	e2.9	e6.6	e8.0	30	25	10	5.5	3.5
5	2.1	5.0	2.8	e2.7	e3.3	e7.0	e8.0	26	23	10	5.3	3.5
6	2.1	4.9	2.8	e2.7	e3.4	e7.2	e8.2	26	22	10	5.2	3.4
7	2.1	4.5	2.8	e2.6	e3.3	e7.2	e9.0	31	21	10	5.1	3.4
8	2.1	4.2	2.8	e2.8	e3.0	e6.4	e9.0	41	20	9.9	5.0	3.3
9	2.1	4.0	2.8	e2.7	e2.7	e6.4	e10	51	19	9.7	4.9	3.3
10	2.5	3.9	2.8	e2.7	e2.6	e6.0	e11	58	18	9.7	5.0	3.3
11	2.6	3.8	2.8	e2.6	e2.7	e6.0	11	62	18	9.7	5.0	3.3
12	2.6	e3.6	2.8	e2.5	e3.0	e6.0	11	66	17	8.9	5.2	3.4
13	2.5	e3.5	2.8	e2.5	e3.5	e6.6	11	75	17	8.5	4.8	3.4
14	2.5	3.5	2.8	e2.5	e3.8	e7.0	11	79	17	8.4	4.7	3.3
15	2.5	e3.4	2.8	e2.5	e3.8	e7.0	11	68	16	8.2	4.5	3.3
16	2.4	3.2	e2.8	e2.5	e3.6	e7.0	13	63	16	7.9	4.3	3.2
17	2.4	e3.0	2.7	e2.4	e3.5	e6.6	15	66	15	7.6	4.2	3.1
18	2.4	e2.8	e2.6	e2.3	e4.0	e6.5	22	62	15	7.5	4.1	3.1
19	2.4	2.5	e2.5	e2.2	e4.4	e6.2	25	59	14	7.4	4.1	3.1
20	2.4	2.6	e2.6	e2.3	e4.4	e6.0	25	53	14	7.2	4.2	3.1
21	2.4	2.9	e2.5	e2.4	e4.9	e5.6	24	50	14	7.0	4.2	3.0
22	2.3	2.9	e2.5	e2.4	e4.7	e5.4	21	45	14	6.8	4.0	3.0
23	2.8	2.9	e2.5	e2.5	e4.7	e6.2	19	42	13	6.6	3.9	3.0
24	3.7	2.9	e2.4	e2.5	e4.6	e5.1	18	42	13	6.5	3.8	3.0
25	2.9	2.9	e2.3	e2.6	e5.0	e5.6	19	41	13	6.5	3.8	3.0
26	2.7	2.9	e2.2	e2.6	e5.2	e5.8	28	41	13	6.4	3.8	3.0
27	5.7	2.9	e2.2	e2.5	e5.8	e5.8	39	40	13	6.2	3.7	2.9
28	5.5	2.8	e2.2	e2.4	e5.6	e5.7	46	38	12	6.1	3.6	2.8
29	4.3	2.8	e2.3	e2.1	---	e5.7	49	35	12	5.9	3.6	2.9
30	13	2.9	e2.3	e2.1	---	e5.6	49	32	11	5.9	3.7	2.9
31	8.2	---	e2.4	e2.1	---	e5.5	---	30	---	5.8	3.6	---
TOTAL	100.3	108.6	81.3	76.6	105.0	191.5	549.8	1504	518	253.3	139.9	96.0
MEAN	3.24	3.62	2.62	2.47	3.75	6.18	18.3	48.5	17.3	8.17	4.51	3.20
MAX	13	5.9	2.9	2.8	5.8	7.2	49	79	29	11	5.8	3.5
MIN	2.1	2.5	2.2	2.1	2.1	5.1	5.7	26	11	5.8	3.6	2.8
AC-FT	199	215	161	152	208	380	1090	2980	1030	502	277	190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2001, BY WATER YEAR (WY)

MEAN	3.47	3.77	3.62	2.67	3.15	6.49	17.0	33.6	25.0	10.9	6.03	4.08
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	1.28	1.02
(WY)	1978	1978	1978	1990	1990	1977	1977	1996	1996	1963	1996	1977

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1960 - 2001	
ANNUAL TOTAL	2313.05		3724.3			
ANNUAL MEAN	6.32		10.2		10.0	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					2.30	1977
HIGHEST DAILY MEAN	34	Apr 28	79	May 14	397	Dec 6 1966
LOWEST DAILY MEAN	.51	Feb 11	2.1	Oct 5	.51	Feb 15 1990
ANNUAL SEVEN-DAY MINIMUM	.69	Feb 5	2.1	Oct 3	.55	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	4590		7390		7250	
10 PERCENT EXCEEDS	17		27		24	
50 PERCENT EXCEEDS	3.2		4.7		3.9	
90 PERCENT EXCEEDS	1.9		2.4		1.6	

e Estimated

09409100 SANTA CLARA RIVER ABOVE BAKER RESERVOIR, NEAR CENTRAL, UT

LOCATION.--Lat 37°23'05", long 113°37'52", in SW¼NW¼NE¼ 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, and 4.0 mi north of Veyo.

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 estimated daily discharges and flows 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, 90 ft^3/s, May 14, gage height, 1.90 ft; minimum daily discharge, 0.12 ft^3/s, Jul 19, 20, 24, Aug 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.27	4.8	.52	.35	.55	.50	11	37	20	.26	.12	e.20
2	.29	3.7	.50	.34	.51	.28	16	47	19	.23	.13	e.25
3	.28	3.1	.49	.34	.57	.37	17	32	18	.20	.15	e.20
4	.29	2.8	.50	.40	.57	.47	12	26	18	.29	e.17	e.20
5	.29	2.8	.50	.46	.67	.61	8.3	19	13	.33	e.16	e.20
6	.29	2.8	.45	.46	.87	.71	7.0	12	9.6	.36	e.15	e.25
7	.28	2.7	.45	.46	1.0	1.4	5.8	12	8.5	.35	e.15	e.25
8	.28	2.9	.45	.48	.84	1.8	5.4	18	6.7	.23	e.15	e.25
9	.29	3.1	.45	.55	.55	3.1	5.5	26	5.9	.19	e.20	e.25
10	.45	3.5	.49	.55	.93	3.7	4.5	34	6.0	.24	e.20	e.25
11	.35	3.3	.55	.59	1.0	2.3	1.9	38	9.7	.29	e.20	e.20
12	.35	1.7	.62	.49	.72	1.6	2.0	47	7.5	.35	e.20	e.20
13	.35	.50	.58	.44	.85	2.2	1.4	59	7.2	.22	e.20	e.20
14	.35	.54	.51	.52	.81	3.1	1.6	76	8.6	.15	e.20	e.20
15	.35	.46	.45	.43	.69	2.2	1.9	67	9.1	.14	e.20	e.25
16	.35	.47	.42	.55	.68	1.7	2.5	54	8.9	.21	e.20	e.20
17	.38	.39	.43	.50	.72	1.5	2.6	58	16	.14	e.20	e.20
18	.35	.43	.33	.45	.76	1.5	7.6	51	18	.13	e.20	e.20
19	.36	.44	.32	.53	.69	2.5	15	50	17	.12	e.15	e.20
20	.40	.53	.38	.56	.66	4.7	16	42	17	.12	e.15	e.20
21	.38	.51	.42	.49	.72	8.0	12	39	16	.14	e.15	e.25
22	.48	.50	.43	.59	.76	11	8.8	32	16	.14	e.20	e.25
23	.87	.45	.44	.57	.90	36	6.3	25	16	.13	e.20	e.25
24	1.2	.45	.45	.64	.74	22	4.6	24	16	.12	e.20	e.25
25	.95	.45	.40	.64	.70	24	5.5	22	16	.14	e.20	e.25
26	.78	.47	.34	.59	.66	25	11	23	17	.16	e.20	e.25
27	1.9	.44	.35	.63	.67	22	24	25	16	.15	e.20	e.25
28	1.7	.44	.39	.56	.67	17	27	26	16	.14	e.20	e.25
29	1.4	.46	.36	.55	---	16	34	23	5.3	.14	e.20	e.25
30	14	.55	.36	.59	---	14	34	22	.33	.14	e.20	e.25
31	7.8	---	.35	.43	---	11	---	21	---	.13	e.20	---
TOTAL	38.06	45.68	13.68	15.73	20.46	242.24	312.2	1087	378.33	6.08	5.63	6.85
MEAN	1.23	1.52	.44	.51	.73	7.81	10.4	35.1	12.6	.20	.18	.23
MAX	14	4.8	.62	.64	1.0	36	34	76	20	.36	.20	.25
MIN	.27	.39	.32	.34	.51	.28	1.4	12	.33	.12	.12	.20
AC-FT	75	91	27	31	41	480	619	2160	750	12	11	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2001, BY WATER YEAR (WY)

MEAN	2.99	4.04	3.43	2.86	3.34	12.2	10.6	22.5	19.0	6.87	2.68	3.92
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	.20	.18	.23
(WY)	1992	1990	1990	2000	1990	1990	1996	1990	1996	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1990 - 2001	
ANNUAL TOTAL	1018.57		2171.94			
ANNUAL MEAN	2.78		5.95		7.88	
HIGHEST ANNUAL MEAN					24.5	1995
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	22	Apr 28	76	May 14	393	Mar 11 1995
LOWEST DAILY MEAN	.15	Jul 21	.12	Jul 19	.12	Jul 19 2001
ANNUAL SEVEN-DAY MINIMUM	.15	Jul 21	.13	Jul 18	.13	Jul 18 2001
ANNUAL RUNOFF (AC-FT)	2020		4310		5710	
10 PERCENT EXCEEDS	8.8		20		19	
50 PERCENT EXCEEDS	.68		.55		1.3	
90 PERCENT EXCEEDS	.24		.20		.39	

e Estimated

09409880 SANTA CLARA RIVER AT GUNLOCK, UT

LOCATION.--Lat 37°16'55", long 113°46'00", in SW¼SW¼NW¼ sec. 28, T. 40 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank at downstream side of bridge on county road at Gunlock, 0.5 mi downstream from tailrace of powerhouse.

DRAINAGE AREA.--271 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,628 ft above sea level, from topographic map.

REMARKS.--Records good except 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, 200 ft^3/s, Oct 30, gage height, 4.02 ft; minimum daily discharge, 1.1 ft^3/s, Sep 14, gage height, 2.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	21	17	17	18	24	20	48	19	10	4.1	4.0
2	4.4	20	17	17	18	26	22	51	18	8.5	4.1	3.8
3	4.6	19	16	17	18	27	22	45	16	8.8	4.1	5.0
4	4.3	19	16	17	18	29	21	40	16	7.9	4.4	3.8
5	4.3	19	16	17	18	31	22	38	13	8.5	3.5	1.8
6	4.6	20	16	16	19	47	24	34	11	7.9	1.8	1.4
7	4.9	21	15	16	20	59	22	28	12	8.2	2.3	2.5
8	4.0	21	15	16	20	56	24	24	9.5	6.0	3.1	3.6
9	4.1	22	16	17	19	68	23	27	8.9	7.9	5.8	3.9
10	5.9	23	16	16	20	93	20	38	7.7	7.8	5.3	3.9
11	5.3	22	16	19	21	75	20	41	6.2	7.0	4.8	4.2
12	6.5	21	16	18	20	52	21	51	5.7	7.7	4.2	3.5
13	6.6	21	16	18	21	44	23	57	7.3	7.0	4.9	1.2
14	6.6	22	16	17	23	50	21	68	9.9	7.5	4.7	1.1
15	7.1	21	16	16	22	43	22	62	10	7.3	4.4	2.0
16	7.4	21	16	16	22	38	21	54	9.8	7.0	5.1	3.2
17	7.4	20	15	16	21	33	19	55	11	6.4	4.9	1.8
18	8.7	15	15	15	20	30	19	55	12	6.5	4.5	1.5
19	8.1	15	15	16	20	31	19	52	15	6.2	3.0	1.9
20	6.3	16	14	16	20	35	19	49	15	6.3	2.8	2.5
21	6.7	15	15	16	20	38	22	42	16	6.1	3.3	2.4
22	6.9	16	15	17	20	37	23	37	14	5.9	3.8	3.8
23	8.0	16	15	17	20	36	21	32	13	6.1	4.5	4.3
24	8.8	16	15	17	20	22	20	29	13	5.2	4.1	4.3
25	9.0	16	16	17	20	25	18	27	11	2.7	4.5	4.7
26	9.3	16	17	18	21	25	24	28	9.9	3.5	5.0	4.3
27	20	17	17	18	21	23	29	28	10	4.8	4.6	4.7
28	16	17	18	18	23	20	40	30	7.7	5.1	4.1	4.4
29	13	17	18	18	---	19	51	25	8.3	5.0	3.4	4.5
30	62	17	17	18	---	17	52	23	8.9	4.7	3.4	4.7
31	26	---	17	17	---	18	---	21	---	4.6	3.6	---
TOTAL	301.1	562	495	524	563	1171	724	1239	344.8	204.1	126.1	98.7
MEAN	9.71	18.7	16.0	16.9	20.1	37.8	24.1	40.0	11.5	6.58	4.07	3.29
MAX	62	23	18	19	23	93	52	68	19	10	5.8	5.0
MIN	4.0	15	14	15	18	17	18	21	5.7	2.7	1.8	1.1
AC-FT	597	1110	982	1040	1120	2320	1440	2460	684	405	250	196

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2001, BY WATER YEAR (WY)

MEAN	11.0	15.6	15.9	21.6	38.4	53.6	40.7	42.2	31.1	12.3	9.31	8.71
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1970 - 2001	
ANNUAL TOTAL	4742.27		6352.8			
ANNUAL MEAN	13.0		17.4		24.9	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					7.10	1990
HIGHEST DAILY MEAN	63	Aug 29	93	Mar 10	2040	Feb 15 1980
LOWEST DAILY MEAN	.47	Aug 5	1.1	Sep 14	.00	Jul 26 1977
ANNUAL SEVEN-DAY MINIMUM	.54	Aug 1	1.8	Sep 13	.02	Aug 1 1977
ANNUAL RUNOFF (AC-FT)	9410		12600		18070	
10 PERCENT EXCEEDS	22		35		51	
50 PERCENT EXCEEDS	14		16		13	
90 PERCENT EXCEEDS	2.1		4.1		4.8	

09410100 SANTA CLARA RIVER BELOW WINSOR DAM, NEAR SANTA CLARA, UT

LOCATION.--Lat 37°11'22", long 113°46'02", in NE¼NW¼SW¼ 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 September 2001 (discontinued).

REVISED RECORDS.--WDR 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, 84 ft^3/s, Oct 30, gage height, 11.74 ft; minimum, no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.01	.19	1.1	8.8	3.9	17	12	13	11
2	.00	.00	.00	.00	.20	1.1	8.3	7.5	16	12	12	12
3	.00	.00	.00	.01	.17	.98	8.9	9.6	16	11	12	11
4	.00	.00	.00	.01	.15	.87	8.7	11	15	11	12	11
5	.00	.00	.00	.03	.15	.98	8.8	12	15	13	11	10
6	.00	.00	.00	.03	.14	.67	6.9	11	13	14	11	5.5
7	.00	.00	.00	.04	.12	.82	6.2	10	12	14	11	3.2
8	.00	.00	.00	.02	.17	.57	6.2	9.7	12	13	11	4.2
9	.00	.00	.00	.03	.21	.67	6.0	11	12	13	12	8.9
10	.16	.00	.00	.02	.19	2.0	6.3	14	13	13	12	10
11	.00	.01	.00	.11	.16	1.1	6.4	13	12	12	12	10
12	.00	.00	.01	.07	.16	1.0	6.1	14	13	12	12	10
13	.00	.00	.00	.05	.16	.88	6.2	14	15	13	12	10
14	.00	.00	.00	.06	.17	.80	5.6	14	16	14	11	9.7
15	.00	.00	.00	.06	.15	4.5	5.2	14	18	17	10	9.5
16	.00	.00	.00	1.6	.16	6.3	4.6	13	18	16	9.9	9.3
17	.00	.00	.00	2.1	.18	6.3	4.8	14	16	12	10	9.2
18	.00	.00	.00	2.0	.16	6.0	6.9	15	14	12	10	9.2
19	.00	.00	.01	1.5	.16	5.5	7.7	15	15	11	10	9.2
20	.00	.00	.01	1.5	.17	4.9	8.3	15	15	10	12	9.4
21	.00	.00	.01	1.8	.18	4.9	9.0	24	15	11	12	9.5
22	.00	.00	.01	2.3	.18	4.8	8.7	31	15	11	12	9.7
23	.02	.00	.01	2.8	.20	5.0	8.0	30	15	13	12	10
24	.00	.00	.01	2.2	.28	7.1	7.5	22	14	13	11	10
25	.00	.00	.00	1.7	.34	9.1	7.1	21	14	12	10	11
26	.00	.00	.00	1.5	.38	10	7.0	17	15	13	9.8	11
27	.85	.00	.00	1.4	.34	10	6.1	16	16	12	11	11
28	.00	.00	.00	1.2	1.4	10	4.8	17	14	11	11	10
29	.00	.00	.00	3.2	---	10	4.7	19	14	11	11	9.9
30	3.6	.00	.01	1.8	---	10	4.4	17	13	12	11	9.5
31	.00	---	.01	.25	---	9.0	---	15	---	13	11	---
TOTAL	4.63	0.01	0.09	29.40	6.62	136.94	204.2	469.7	438	387	347.7	283.9
MEAN	.15	.000	.003	.95	.24	4.42	6.81	15.2	14.6	12.5	11.2	9.46
MAX	3.6	.01	.01	3.2	1.4	10	9.0	31	18	17	13	12
MIN	.00	.00	.00	.00	.12	.57	4.4	3.9	12	10	9.8	3.2
AC-FT	9.2	.02	.2	58	13	272	405	932	869	768	690	563

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2001, BY WATER YEAR (WY)

MEAN	3.50	5.23	3.58	12.6	31.7	50.0	43.5	38.2	33.5	17.9	14.9	10.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1973 - 2001	
ANNUAL TOTAL	2089.67		2308.19			
ANNUAL MEAN	5.71		6.32		22.0	
HIGHEST ANNUAL MEAN					90.1	1980
LOWEST ANNUAL MEAN					3.76	1990
HIGHEST DAILY MEAN	21	May 9	31	May 22	1530	Mar 3 1983
LOWEST DAILY MEAN	.00	Aug 23	.00	Oct 1	.00	Oct 8 1972
ANNUAL SEVEN-DAY MINIMUM	.00	Sep 2	.00	Oct 1	.00	Oct 8 1972
ANNUAL RUNOFF (AC-FT)	4140		4580		15940	
10 PERCENT EXCEEDS	15		14		47	
50 PERCENT EXCEEDS	1.2		6.0		11	
90 PERCENT EXCEEDS	.00		.00		.00	

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION.--Lat 37°04'31", long 113°35'32", in SE¼SW¼NE¼ sec. 1, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010008 on right bank 0.8 mi upstream from mouth and 2 mi south of St. George.

DRAINAGE AREA.--541 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, 1956, 1989, and 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 217 ft^3/s, Mar 10, gage height, 6.70 ft; minimum daily discharge, 0.52 ft^3/s, Aug 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	5.3	4.4	5.1	5.6	11	5.7	6.6	4.8	1.2	.92	1.5
2	2.5	6.5	4.6	4.9	5.7	8.9	4.3	4.7	4.3	.67	.89	2.5
3	2.6	5.2	4.6	4.2	5.7	11	2.2	2.8	11	.78	2.4	5.6
4	1.5	5.0	4.1	3.7	5.0	8.3	2.3	2.5	4.6	.80	1.4	4.2
5	.71	4.8	4.5	3.7	4.6	7.4	5.8	1.9	1.9	.86	1.4	6.4
6	e.65	5.8	4.5	3.0	4.8	8.7	10	1.4	2.0	2.6	1.3	2.2
7	.63	6.4	4.8	3.2	5.0	9.9	10	1.2	.91	8.5	.52	1.7
8	.73	5.1	4.6	3.3	4.0	7.2	13	1.0	.74	1.8	.56	1.3
9	.57	5.4	5.1	6.7	4.8	13	7.7	.72	.65	1.5	.81	1.3
10	1.3	8.7	5.1	5.5	6.7	47	5.9	.77	.64	1.5	2.6	1.6
11	1.2	11	4.9	9.3	6.8	11	6.7	3.4	1.0	1.1	1.6	1.8
12	.94	8.3	4.5	8.6	6.8	6.8	4.4	3.3	.96	1.2	1.5	1.6
13	1.0	5.9	4.9	6.0	7.7	4.9	13	8.3	.96	4.2	3.8	1.2
14	1.1	7.2	4.5	5.2	9.4	3.2	6.8	5.8	1.1	7.4	2.5	1.1
15	.99	7.8	3.8	5.6	7.0	3.7	7.4	2.8	4.4	15	2.3	.85
16	.95	8.0	4.1	5.3	6.7	9.6	7.3	3.1	1.1	12	3.3	1.3
17	1.3	8.1	4.8	4.8	6.7	12	4.6	5.7	1.1	6.9	4.6	.78
18	1.0	7.0	5.3	5.1	6.5	8.6	2.8	11	.87	2.5	1.3	1.8
19	.73	5.9	5.1	5.1	6.6	7.5	2.4	9.7	.80	2.1	1.1	.96
20	.65	5.4	5.6	4.9	6.4	11	2.0	4.9	.77	2.4	9.5	.81
21	.77	4.9	5.9	4.6	5.7	6.4	7.8	7.9	.76	1.5	12	.78
22	.93	4.3	6.0	4.8	4.5	4.1	5.3	17	.94	1.3	4.5	.74
23	4.3	4.6	5.9	4.6	4.4	4.2	8.3	18	.89	1.3	5.6	.64
24	4.6	4.6	5.9	4.8	4.2	2.5	5.7	16	.84	.94	2.5	.72
25	3.5	4.5	5.9	4.5	4.2	4.6	8.2	13	.90	1.2	2.3	.80
26	3.1	4.9	6.1	4.6	6.7	5.1	3.3	8.8	.85	1.2	1.7	2.5
27	23	5.4	6.1	5.3	7.4	2.9	3.0	2.8	.79	1.1	1.4	1.1
28	6.7	4.8	5.4	5.3	24	4.1	4.1	2.3	.65	.94	2.2	4.9
29	2.0	5.4	5.1	5.3	---	2.1	7.8	4.2	.56	.90	2.6	5.2
30	26	5.3	5.4	6.1	---	4.0	8.3	7.3	.53	.85	2.7	5.2
31	8.7	---	5.0	6.4	---	2.6	---	5.2	---	1.4	1.9	---
TOTAL	107.25	181.5	156.5	159.5	183.6	253.3	186.1	184.09	52.31	87.64	83.70	63.08
MEAN	3.46	6.05	5.05	5.15	6.56	8.17	6.20	5.94	1.74	2.83	2.70	2.10
MAX	26	11	6.1	9.3	24	47	13	18	11	15	12	6.4
MIN	.57	4.3	3.8	3.0	4.0	2.1	2.0	.72	.53	.67	.52	.64
AC-FT	213	360	310	316	364	502	369	365	104	174	166	125

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1956, 1986 - 2001, BY WATER YEAR (WY)

MEAN	3.56	5.44	6.75	13.1	17.0	35.5	22.6	15.1	10.4	5.25	6.28	3.98
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951-56, 1986-2001	
ANNUAL TOTAL	1218.30		1698.57			
ANNUAL MEAN	3.33		4.65		12.3	
HIGHEST ANNUAL MEAN					56.0	1993
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	31	Aug 29	47	Mar 10	2910	Mar 12 1995
LOWEST DAILY MEAN	.42	Jul 22	.52	Aug 7	.00	Sep 21 1951
ANNUAL SEVEN-DAY MINIMUM	.56	Jul 19	.73	Jun 24	.00	Aug 2 1956
ANNUAL RUNOFF (AC-FT)	2420		3370		8910	
10 PERCENT EXCEEDS	6.0		8.6		22	
50 PERCENT EXCEEDS	2.5		4.5		3.7	
90 PERCENT EXCEEDS	.80		.85		.54	

e Estimated

09413200 VIRGIN RIVER NEAR BLOOMINGTON, UT

LOCATION.--Lat 37°04'14", long 113°34'55", in SE¼NW¼SW¼ sec. 6, T. 43 S., R. 15 W., Washington County, Hydrologic Unit 15010010, on left bank 0.2 mi downstream from mouth of Santa Clara River, 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 December 21-25, January 14-19, and February 15-18, which are fair, 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, 1,430 ft^3/s, Oct 30, gage height, 4.42 ft; minimum daily discharge, 11 ft^3/s, Jul 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	301	85	103	99	240	155	437	29	18	16	21
2	61	205	87	99	103	187	214	511	37	16	20	23
3	51	181	83	101	104	190	259	366	55	13	37	21
4	42	193	94	100	104	186	225	294	57	11	72	29
5	43	e220	101	97	106	142	166	258	40	21	51	22
6	35	e190	120	98	103	164	250	252	37	25	34	33
7	44	e178	104	106	107	212	213	281	41	63	29	26
8	42	e154	102	106	106	205	293	268	40	42	22	39
9	44	e125	94	124	100	198	313	275	27	41	64	41
10	53	137	102	135	102	540	228	285	23	60	102	51
11	209	132	98	141	107	381	197	283	24	76	132	39
12	132	117	101	166	107	312	176	263	24	50	87	37
13	102	102	106	105	100	235	222	267	24	46	92	58
14	97	90	99	135	122	326	165	369	28	50	110	54
15	90	103	95	121	151	205	171	255	41	e53	42	53
16	105	89	103	124	134	167	223	243	36	e49	20	57
17	86	90	99	121	151	166	242	314	37	35	31	47
18	79	80	96	108	136	154	287	297	33	36	31	46
19	74	90	120	116	115	159	309	237	19	31	41	48
20	61	96	127	121	93	156	322	147	18	27	39	40
21	81	109	143	110	98	157	340	103	18	20	43	27
22	143	101	139	108	91	149	285	135	18	21	320	35
23	157	103	141	104	87	165	245	e76	24	20	128	43
24	217	106	142	103	104	153	272	e63	21	20	49	45
25	174	105	136	124	87	151	295	e68	25	16	38	96
26	151	100	118	110	115	155	351	e64	23	22	25	26
27	247	98	106	107	121	158	407	e70	18	20	30	26
28	419	102	98	119	205	155	420	e68	18	14	18	29
29	210	95	102	132	---	159	465	e51	18	17	20	43
30	541	88	101	124	---	179	440	42	19	19	26	56
31	505	---	104	110	---	152	---	31	---	33	40	---
TOTAL	4348	3880	3346	3578	3158	6258	8150	6673	872	985	1809	1211
MEAN	140	129	108	115	113	202	272	215	29.1	31.8	58.4	40.4
MAX	541	301	143	166	205	540	465	511	57	76	320	96
MIN	35	80	83	97	87	142	155	31	18	11	16	21
AC-FT	8620	7700	6640	7100	6260	12410	16170	13240	1730	1950	3590	2400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2001, BY WATER YEAR (WY)

MEAN	124	165	176	235	304	395	432	487	179	88.8	97.7	111
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1978 - 2001	
ANNUAL TOTAL	43218.9		44268			
ANNUAL MEAN	118		121		232	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					61.0	1991
HIGHEST DAILY MEAN	600	Aug 30	541	Oct 30	13000	Jan 1 1989
LOWEST DAILY MEAN	9.9	Aug 5	11	Jul 4	9.5	Sep 5 1991
ANNUAL SEVEN-DAY MINIMUM	13	Jul 25	16	Jun 28	13	Aug 7 1990
ANNUAL RUNOFF (AC-FT)	85720		87810		168300	
10 PERCENT EXCEEDS	251		265		505	
50 PERCENT EXCEEDS	101		102		133	
90 PERCENT EXCEEDS	19		24		32	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in NW¼NE¼SE¼ sec. 30, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010010, 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, 2,020 ft^3/s, Jul 6, gage height, 6.84 ft; minimum daily discharge, 11 ft^3/s, Jul 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	356	102	97	137	251	148	399	44	20	22	39
2	58	252	110	96	143	209	221	490	51	18	25	36
3	51	228	104	99	153	188	227	392	52	14	38	38
4	45	218	102	110	147	193	229	278	57	11	61	41
5	39	236	106	116	e150	177	159	231	45	22	74	39
6	42	231	113	e115	e142	195	225	222	38	190	48	42
7	39	202	111	e119	141	249	194	262	39	85	33	39
8	43	149	106	119	145	243	247	248	41	49	27	47
9	43	142	96	124	140	195	266	243	30	36	57	50
10	58	159	107	129	137	531	207	248	30	50	104	60
11	325	145	99	118	137	404	192	258	27	76	145	52
12	194	136	108	157	140	324	169	249	28	53	e98	45
13	125	124	117	113	124	231	202	248	23	42	e100	68
14	112	109	97	128	150	328	158	340	28	44	127	63
15	106	117	106	135	163	228	160	237	38	46	55	68
16	114	107	110	132	156	171	205	205	40	51	39	61
17	98	112	110	105	162	176	221	308	38	33	37	65
18	82	104	114	101	162	172	230	274	32	30	41	46
19	89	114	116	111	140	181	256	234	24	24	51	60
20	66	118	107	123	131	182	262	176	19	25	49	52
21	81	133	126	119	131	182	281	116	21	19	65	38
22	185	119	130	133	124	141	252	136	21	18	347	41
23	231	e123	123	119	119	157	234	83	26	17	184	49
24	310	e125	113	106	139	146	234	66	30	19	76	54
25	205	e115	113	130	120	165	256	71	27	16	54	100
26	162	102	112	141	147	164	289	66	24	24	43	58
27	307	108	113	e130	171	156	332	76	23	23	43	43
28	513	107	109	e140	211	154	353	73	20	19	30	50
29	294	101	113	e150	---	162	397	56	20	19	35	56
30	514	94	95	e144	---	194	411	60	21	24	36	71
31	731	---	91	e142	---	150	---	53	---	32	57	---
TOTAL	5310	4486	3379	3801	4062	6599	7217	6398	957	1149	2201	1571
MEAN	171	150	109	123	145	213	241	206	31.9	37.1	71.0	52.4
MAX	731	356	130	157	211	531	411	490	57	190	347	100
MIN	39	94	91	96	119	141	148	53	19	11	22	36
AC-FT	10530	8900	6700	7540	8060	13090	14310	12690	1900	2280	4370	3120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-56, 1992-2001, BY WATER YEAR (WY)

MEAN	92.5	138	158	201	236	310	355	362	103	73.0	113	98.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951-56, 1992-2001	
ANNUAL TOTAL	44859		47130			
ANNUAL MEAN	123		129		188	
HIGHEST ANNUAL MEAN					472	1993
LOWEST ANNUAL MEAN					73.7	1956
HIGHEST DAILY MEAN	731	Oct 31	731	Oct 31	5490	Aug 25 1955
LOWEST DAILY MEAN	14	Jul 28	11	Jul 4	.00	Apr 17 1951
ANNUAL SEVEN-DAY MINIMUM	18	Jul 25	18	Jun 28	.00	May 29 1951
ANNUAL RUNOFF (AC-FT)	88980		93480		135900	
10 PERCENT EXCEEDS	248		249		359	
50 PERCENT EXCEEDS	106		113		107	
90 PERCENT EXCEEDS	23		30		9.0	

e Estimated

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW¼SW¼NW¼ sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, 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)
Oct 30	1145	164	5.90	Aug 9	1835	*456	*7.21
Mar 9	2200	254	6.39				

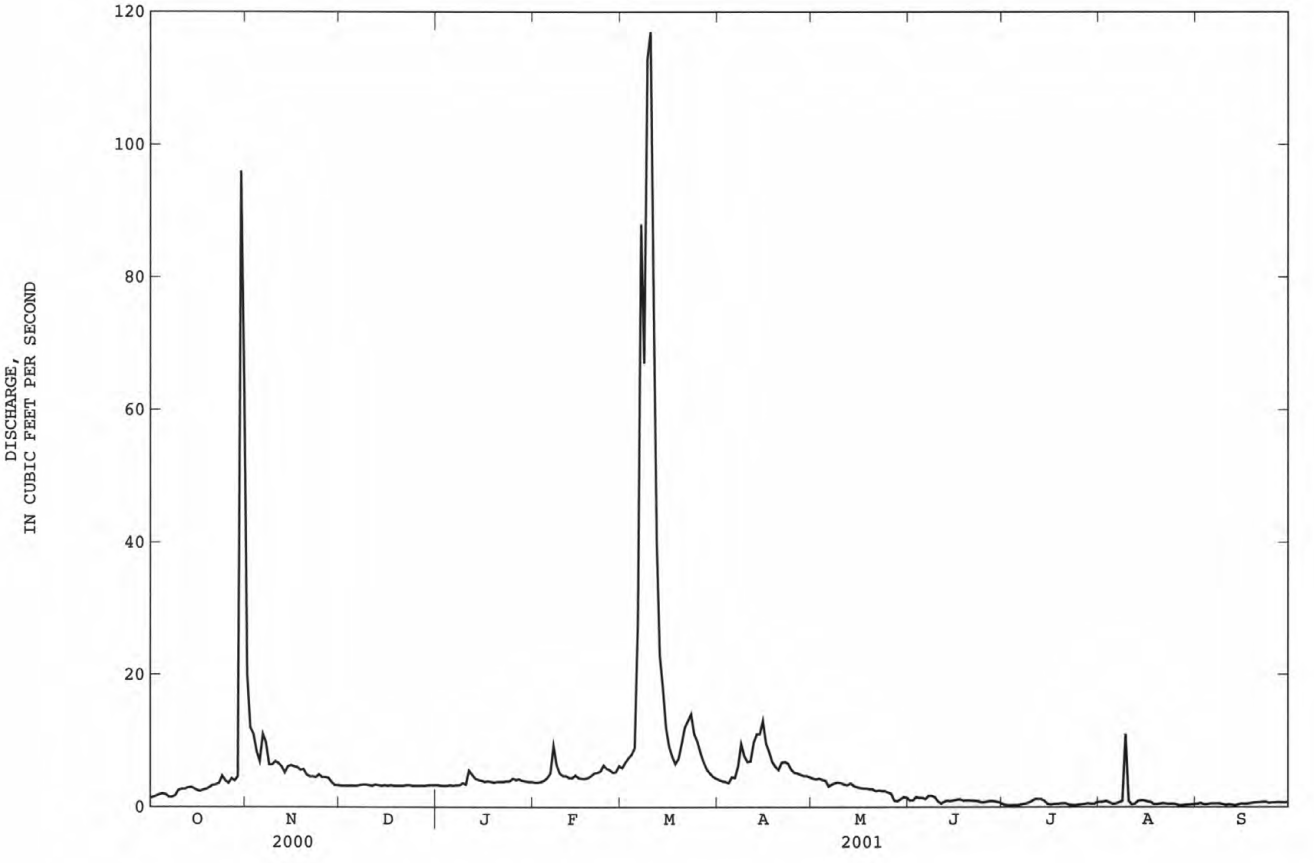
Minimum daily discharge, 0.23 ft^3/s, Sep 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	20	3.2	3.3	3.7	5.9	4.1	4.3	1.0	.39	.77	.49
2	1.5	12	3.2	3.2	3.7	6.7	3.9	4.2	1.0	.26	.81	.61
3	1.7	11	3.2	3.2	3.8	7.4	3.8	4.3	1.5	.25	.90	.41
4	1.9	8.4	3.2	3.2	4.0	7.9	3.6	4.1	1.4	.25	.65	.42
5	2.0	6.9	3.2	3.3	4.4	8.9	4.5	4.0	1.4	.26	.46	.51
6	1.9	11	3.2	3.2	5.1	28	4.4	3.1	1.2	.32	.52	.54
7	1.5	9.7	3.3	3.3	9.2	88	6.1	3.4	1.7	.45	.73	.54
8	1.5	6.4	3.4	3.3	6.3	67	9.5	3.6	1.7	.50	.92	.54
9	1.7	6.4	3.4	3.6	5.1	113	7.7	3.7	1.5	.66	11	.45
10	2.5	6.9	3.3	3.4	4.7	117	6.8	3.6	.87	.89	.93	.32
11	2.7	6.6	3.2	5.5	4.7	77	6.9	3.4	.52	1.2	.38	.39
12	2.7	6.1	3.4	4.9	4.4	40	9.7	3.3	.81	1.2	.49	.37
13	2.9	5.2	3.3	4.3	4.4	23	11	3.6	.97	1.2	.92	.23
14	3.0	6.1	3.2	4.1	4.8	18	11	3.2	.90	.94	1.0	.36
15	2.8	6.3	3.3	4.0	4.4	12	13	3.0	1.0	.47	.98	.52
16	2.5	6.1	3.2	3.8	4.3	9.1	9.6	2.9	1.1	.37	.82	.49
17	2.4	6.0	3.3	3.9	4.3	7.6	8.3	2.8	1.2	.45	.77	.50
18	2.6	5.6	3.2	3.8	4.4	6.5	6.8	2.8	.96	.48	.45	.57
19	2.7	5.7	3.2	3.7	4.7	7.3	6.1	2.7	1.0	.51	.43	.66
20	3.0	4.9	3.2	3.8	5.1	9.5	5.6	2.7	1.0	.56	.50	.69
21	3.3	4.6	3.2	3.8	5.2	12	6.7	2.4	.95	.55	.58	.73
22	3.4	4.6	3.3	3.8	5.4	13	6.8	2.5	.94	.33	.51	.79
23	3.6	4.5	3.3	3.9	6.3	14	6.6	2.4	.88	.27	.46	.78
24	4.7	4.9	3.2	3.9	5.8	11	5.7	2.4	.68	.26	.50	.61
25	4.0	4.5	3.2	4.3	5.6	9.9	5.2	2.2	.75	.34	.46	.67
26	3.6	4.5	3.2	4.1	5.2	8.2	5.1	2.0	.86	.40	.26	.70
27	4.3	4.4	3.2	4.2	5.3	6.8	4.9	.96	.92	.46	.24	.73
28	4.0	3.8	3.2	4.0	6.2	5.7	4.7	.89	.89	.55	.32	.70
29	4.6	3.3	3.3	3.9	---	5.1	4.7	1.2	.78	.49	.36	.68
30	96	3.3	3.3	3.8	---	4.6	4.5	1.5	.64	.48	.38	.75
31	64	---	3.3	3.8	---	4.3	---	1.4	---	.74	.46	---
TOTAL	240.4	199.7	100.8	118.3	140.5	754.4	197.3	88.55	31.02	16.48	28.96	16.75
MEAN	7.75	6.66	3.25	3.82	5.02	24.3	6.58	2.86	1.03	.53	.93	.56
MAX	96	20	3.4	5.5	9.2	117	13	4.3	1.7	1.2	11	.79
MIN	1.4	3.3	3.2	3.2	3.7	4.3	3.6	.89	.52	.25	.24	.23
AC-FT	477	396	200	235	279	1500	391	176	62	33	57	33
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2001, BY WATER YEAR (WY)												
MEAN	2.97	3.84	4.46	12.3	30.9	42.6	19.6	5.74	2.61	1.06	2.51	1.83
MAX	7.75	6.66	9.59	55.2	115	128	97.6	14.6	5.44	2.86	14.0	5.82
(WY)	2001	2001	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	.56
(WY)	1997	1997	1992	1994	1996	1999	1996	1996	1996	1997	1996	2001

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1992 - 2001	
ANNUAL TOTAL	2641.19		1933.16			
ANNUAL MEAN	7.22		5.30		10.8	
HIGHEST ANNUAL MEAN					29.0	1993
LOWEST ANNUAL MEAN					2.48	1996
HIGHEST DAILY MEAN	303	Aug 30	117	Mar 10	1140	Feb 24 1998
LOWEST DAILY MEAN	.09	Aug 7	.23	Sep 13	.00	Aug 8 1994
ANNUAL SEVEN-DAY MINIMUM	.12	Aug 2	.31	Jul 1	.05	Aug 7 1994
ANNUAL RUNOFF (AC-FT)	5240		3830		7800	
10 PERCENT EXCEEDS	15		8.0		15	
50 PERCENT EXCEEDS	3.3		3.3		3.5	
90 PERCENT EXCEEDS	.31		.48		.55	



GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION.--Lat 40°43'53", long 112°12'46", in NE¼SW¼NW¼ sec. 17, T. 1 S., R. 3 W., Salt Lake County, Hydrologic Unit 16020310, at State Park Saltair Beach Boat Harbor on southeast shore of lake, 17.1 mi west of Salt Lake City. (Gage temporarily located 0.4 mi to the southeast, from Apr. 13, 1984 to May 30, 1985, because of problems associated with highwater, then relocated 0.1 mi to the northeast from May 30, 1985 to 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. WDR-UT-74-1: 1967-73. WDR-UT-83-1: 1981-82. WDR-UT-95-1: 1984-94. WDR-UT-2001-1: 1984-2000.

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. Records from 1984 to 2000 revised because of a revision to the Benchmarks C-174 and E-174 from the 1999 NGS Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 4,211.60 ft, Jun 3, 1986; 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.

Date	Temperature Water (Deg. C)	Specific Gravity (20.0°C)	Percent Salinity
May 2, 2001.....	15.0	1.063	9.42
Sep 5.....	22.5	1.075	11.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.1	4201.2	4201.1	4201.2	4201.2	4201.4	4201.5	4201.6	4201.1	4200.7	4200.1	4199.5
2	4201.1	4201.1	4201.1	4201.2	4201.2	4201.4	4201.5	4201.6	4201.1	4200.7	4200.0	4199.5
3	4201.2	4201.1	4201.1	4201.2	4201.2	4201.4	4201.5	4201.6	4201.2	4200.6	4200.0	4199.5
4	4201.1	4201.1	4201.1	4201.2	4201.2	4201.4	4201.5	4201.4	4201.1	4200.6	4200.0	4199.5
5	4201.1	4201.2	4201.1	4201.2	4201.2	4201.4	4201.5	4201.4	4201.0	4200.6	4200.0	4199.4
6	4201.1	4201.1	4201.1	4201.2	4201.3	4201.4	4201.4	4201.4	4201.1	4200.6	4200.0	4199.6
7	4201.1	4201.1	4201.1	4201.2	4201.4	4201.4	4201.3	4201.4	4201.0	4200.6	4200.0	4199.5
8	4201.1	4201.0	4201.1	4201.2	4201.4	4201.4	4201.5	4201.3	4201.0	4200.6	4200.0	4199.5
9	4201.0	4201.1	4201.1	4201.2	4201.3	4201.5	4201.6	4201.4	4201.0	4200.6	4200.0	4199.4
10	4200.9	4201.1	4201.2	4201.2	4201.3	4201.5	4201.7	4201.3	4200.9	4200.5	4199.9	4199.4
11	4200.9	4201.1	4201.1	4201.1	4201.3	4201.6	4201.5	4201.3	4201.0	4200.5	4199.9	4199.4
12	4201.0	4201.1	4201.1	4201.2	4201.3	4201.5	4201.6	4201.3	4201.1	4200.5	4199.9	4199.4
13	4201.0	4201.0	4201.1	4201.2	4201.3	4201.4	4201.5	4201.2	4201.0	4200.5	4199.9	4199.4
14	4201.0	4201.1	4201.1	4201.2	4201.4	4201.6	4201.5	4201.3	4201.0	4200.4	4199.8	4199.4
15	4201.0	4201.1	4201.2	4201.3	4201.3	4201.4	4201.5	4201.3	4200.9	4200.4	4199.9	4199.3
16	4201.0	4201.1	4201.1	4201.3	4201.3	4201.5	4201.5	4201.3	4200.9	4200.3	4199.8	4199.4
17	4201.0	4201.1	4201.3	4201.3	4201.3	4201.5	4201.5	4201.3	4200.9	4200.3	4199.8	4199.3
18	4201.0	4201.0	4201.1	4201.2	4201.3	4201.4	4201.4	4201.3	4201.0	4200.4	4199.8	4199.3
19	4201.0	4201.1	4201.1	4201.2	4201.3	4201.4	4201.5	4201.3	4200.9	4200.3	4199.8	4199.3
20	4201.0	4201.1	4201.1	4201.2	4201.3	4201.5	4201.5	4201.5	4200.9	4200.2	4199.7	4199.3
21	4201.1	4201.1	4201.1	4201.2	4201.3	4201.5	4201.5	4201.3	4200.9	4200.2	4199.5	4199.2
22	4201.2	4201.1	4201.1	4201.2	4201.3	4201.5	4201.7	4201.2	4200.8	4200.3	4199.6	4199.2
23	4201.0	4201.1	4201.1	4201.2	4201.4	4201.5	4201.5	4201.2	4200.8	4200.3	4199.7	4199.2
24	4201.0	4201.0	4201.2	4201.2	4201.4	4201.5	4201.5	4201.2	4200.7	4200.2	4199.7	4199.2
25	4201.0	4201.0	4201.2	4201.2	4201.4	4201.5	4201.5	4201.2	4200.8	4200.2	4199.7	4199.2
26	4200.9	4201.0	4201.2	4201.2	4201.4	4201.5	4201.5	4201.2	4200.7	4200.2	4199.6	4199.2
27	4201.0	4201.0	4201.2	4201.3	4201.4	4201.5	4201.4	4201.2	4200.7	4200.2	4199.6	4199.2
28	4201.0	4201.1	4201.2	4201.3	4201.4	4201.5	4201.4	4201.2	4200.7	4200.2	4199.6	4199.1
29	4201.0	4201.1	4201.2	4201.2	---	4201.5	4201.5	4201.2	4200.7	4200.2	4199.6	4199.2
30	4201.1	4201.1	4201.2	4201.3	---	4201.5	4201.4	4201.2	4200.7	4200.2	4199.6	4199.2
31	4201.3	---	4201.2	4201.2	---	4201.5	---	4201.1	---	4200.1	4199.6	---
MEAN	4201.0	4201.1	4201.1	4201.2	4201.3	4201.5	4201.5	4201.3	4200.9	4200.4	4199.8	4199.3
MAX	4201.3	4201.2	4201.3	4201.3	4201.4	4201.6	4201.7	4201.6	4201.2	4200.7	4200.1	4199.6
MIN	4200.9	4201.0	4201.1	4201.1	4201.2	4201.4	4201.3	4201.1	4200.7	4200.1	4199.5	4199.1

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

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	4202.5	4202.4	4202.4	4202.5	4202.8	4203.2	4203.4	4203.3	4203.1	4202.4	4201.9	4201.4
2	4202.5	4202.3	4202.4	4202.5	4202.8	4203.2	4203.3	4203.3	4203.0	4202.4	4201.9	4201.3
3	4202.5	4202.3	4202.5	4202.5	4202.8	4203.2	4203.4	4203.3	4203.0	4202.3	4201.8	4201.4
4	4202.5	4202.3	4202.4	4202.4	4202.8	4203.2	4203.3	4203.3	4203.0	4202.4	4201.8	4201.3
5	4202.5	4202.3	4202.4	4202.5	4202.8	4203.1	4203.3	4203.4	4203.0	4202.3	4201.8	4201.4
6	4202.6	4202.3	4202.4	4202.5	4202.8	4203.2	4203.3	4203.3	4203.0	4202.3	4201.8	4201.4
7	4202.5	4202.3	4202.4	4202.5	4202.8	4203.2	4203.4	4203.3	4202.9	4202.3	4201.8	4201.3
8	4202.4	4202.3	4202.5	4202.5	4202.8	4203.2	4203.3	4203.2	4202.7	4202.2	4201.7	4201.3
9	4202.4	4202.3	4202.4	4202.5	4202.8	4203.2	4203.4	4203.2	4202.9	4202.2	4201.7	4201.3
10	4202.4	4202.3	4202.5	4202.5	4202.8	4203.2	4203.4	4203.3	4202.8	4202.2	4201.7	4201.3
11	4202.4	4202.3	4202.4	4202.5	4202.8	4203.2	4203.3	4203.3	4202.9	4202.2	4201.7	4201.3
12	4202.4	4202.3	4202.4	4202.5	4202.8	4203.2	4203.3	4203.2	4202.9	4202.2	4201.7	4201.3
13	4202.4	4202.3	4202.6	4202.5	4202.8	4203.2	4203.3	4203.2	4202.8	4202.2	4201.6	4201.3
14	4202.4	4202.3	4202.4	4202.5	4202.8	4203.2	4203.4	4203.2	4202.8	4202.2	4201.6	4201.3
15	4202.5	4202.3	4202.4	4202.5	4202.9	4203.4	4203.4	4203.1	4202.9	4202.2	4201.5	4201.2
16	4202.5	4202.3	4202.4	4202.5	4202.9	4203.3	4203.3	4203.0	4202.9	4202.1	4201.5	4201.2
17	4202.4	4202.5	4202.4	4202.6	4203.0	4203.4	4203.3	4203.1	4202.7	4202.2	4201.5	4201.3
18	4202.4	4202.4	4202.5	4202.6	4203.0	4203.3	4203.2	4203.1	4202.6	4202.2	4201.4	4201.2
19	4202.4	4202.3	4202.4	4202.6	4203.0	4203.4	4203.3	4203.1	4202.7	4202.1	4201.4	4201.3
20	4202.4	4202.3	4202.4	4202.6	4203.0	4203.6	4203.3	4203.1	4202.7	4202.1	4201.5	4201.3
21	4202.4	4202.4	4202.5	4202.6	4203.0	4203.4	4203.3	4203.1	4202.6	4202.1	4201.5	4201.2
22	4202.4	4202.4	4202.4	4202.6	4203.0	4203.3	4203.3	4203.1	4202.6	4202.0	4201.4	4201.2
23	4202.4	4202.3	4202.4	4202.6	4203.0	4203.3	4203.4	4203.1	4202.6	4202.0	4201.4	4201.3
24	4202.4	4202.3	4202.4	4202.7	4203.2	4203.3	4203.4	4203.1	4202.6	4202.0	4201.4	4201.2
25	4202.4	4202.3	4202.5	4202.7	4203.1	4203.3	4203.3	4203.1	4202.5	4202.0	4201.4	4201.2
26	4202.4	4202.3	4202.5	4202.8	4203.1	4203.3	4203.3	4203.1	4202.5	4201.9	4201.3	4201.2
27	4202.4	4202.4	4202.5	4202.8	4203.1	4203.3	4203.3	4203.1	4202.5	4202.0	4201.3	4201.1
28	4202.4	4202.4	4202.5	4202.8	4203.1	4203.4	4203.4	4203.1	4202.5	4201.9	4201.3	4201.1
29	4202.4	4202.4	4202.5	4202.7	4203.1	4203.4	4203.4	4203.1	4202.5	4201.9	4201.3	4201.1
30	4202.3	4202.3	4202.5	4202.7	---	4203.5	4203.3	4203.1	4202.4	4201.9	4201.3	4201.1
31	4202.3	---	4202.5	4202.8	---	4203.5	---	4203.2	---	4201.9	4201.4	---
MEAN	4202.4	4202.3	4202.4	4202.6	4202.9	4203.3	4203.3	4203.2	4202.8	4202.1	4201.6	4201.3
MAX	4202.6	4202.5	4202.6	4202.8	4203.2	4203.6	4203.4	4203.4	4203.1	4202.4	4201.9	4201.4
MIN	4202.3	4202.3	4202.4	4202.4	4202.8	4203.1	4203.2	4203.0	4202.4	4201.9	4201.3	4201.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.9	4202.1	4202.2	4202.3	4202.7	4203.0	4203.2	4203.5	4203.9	4204.0	4203.4	4202.9
2	4201.9	4202.1	4202.2	4202.4	4202.7	4203.0	4203.3	4203.5	4203.7	4204.0	4203.3	4202.9
3	4202.0	4202.1	4202.2	4202.4	4202.7	4203.1	4203.2	4203.6	4203.8	4203.9	4203.3	4202.8
4	4202.0	4202.0	4202.3	4202.4	4202.7	4203.1	4203.3	4203.8	4203.9	4203.9	4203.3	4202.8
5	4202.0	4202.1	4202.2	4202.4	4202.8	4203.0	4203.2	4203.7	4204.0	4204.0	4203.3	4202.8
6	4202.0	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.6	4204.0	4203.9	4203.2	4202.8
7	4202.0	4202.0	4202.2	4202.4	4202.7	4203.1	4203.2	4203.6	4204.0	4203.8	4203.2	4202.8
8	4202.0	4202.1	4202.2	4202.4	4202.8	4203.0	4203.2	4203.7	4204.2	4203.9	4203.2	4202.8
9	4202.0	4202.2	4202.4	4202.4	4202.7	4203.1	4203.5	4203.8	4204.2	4203.8	4203.2	4202.7
10	4202.1	4202.1	4202.3	4202.4	4203.0	4203.0	4203.3	4203.7	4204.1	4203.8	4203.2	4202.7
11	4202.0	4202.1	4202.2	4202.4	4202.9	4203.1	4203.3	4203.7	4204.1	4203.8	4203.2	4202.7
12	4202.0	4202.1	4202.3	4202.4	4202.8	4203.1	4203.3	4203.7	4204.1	4203.8	4203.1	4202.7
13	4202.0	4202.1	4202.3	4202.4	4202.9	4203.1	4203.3	4203.8	4204.1	4203.7	4203.1	4202.7
14	4202.0	4202.1	4202.3	4202.4	4202.9	4203.1	4203.4	4203.9	4204.1	4203.7	4203.0	4202.7
15	4202.1	4202.1	4202.3	4202.4	4202.9	4203.1	4203.4	4203.9	4204.2	4203.7	4203.1	4202.7
16	4202.2	4202.1	4202.3	4202.5	4202.9	4203.1	4203.3	4203.8	4204.1	4203.6	4203.1	4202.7
17	4202.0	4202.2	4202.3	4202.5	4202.9	4203.1	4203.3	4203.8	4204.1	4203.7	4203.1	4202.7
18	4202.0	4202.1	4202.3	4202.5	4202.9	4203.1	4203.3	4203.8	4204.1	4203.6	4203.1	4202.6
19	4202.0	4202.1	4202.4	4202.5	4203.0	4203.1	4203.3	4203.9	4204.1	4203.6	4203.0	4202.6
20	4202.0	4202.1	4202.4	4202.5	4202.9	4203.1	4203.3	4203.9	4204.1	4203.6	4203.0	4202.6
21	4202.0	4202.1	4202.4	4202.6	4203.0	4203.1	4203.3	4203.9	4204.1	4203.6	4203.0	4202.6
22	4202.0	4202.1	4202.3	4202.5	4202.9	4203.2	4203.4	4203.9	4204.1	4203.6	4203.0	4202.6
23	4201.9	4202.1	4202.3	4202.6	4202.9	4203.2	4203.3	4203.9	4204.1	4203.6	4203.0	4202.6
24	4201.9	4202.1	4202.3	4202.6	4202.9	4203.2	4203.3	4203.9	4204.1	4203.5	4203.0	4202.6
25	4202.0	4202.1	4202.3	4202.6	4203.0	4203.2	4203.3	4203.9	4204.1	4203.6	4203.0	4202.6
26	4202.0	4202.2	4202.3	4202.6	4203.0	4203.2	4203.3	4203.9	4204.1	4203.5	4203.0	4202.6
27	4202.0	4202.2	4202.3	4202.7	4203.0	4203.3	4203.3	4203.9	4204.1	4203.4	4203.0	4202.6
28	4202.0	4202.1	4202.3	4202.7	4203.0	4203.2	4203.4	4203.9	4204.1	4203.4	4202.9	4202.6
29	4202.1	4202.2	4202.3	4202.7	---	4203.2	4203.4	4203.9	4204.0	4203.4	4202.9	4202.5
30	4202.1	4202.2	4202.3	4202.7	---	4203.2	4203.5	4204.0	4204.0	4203.3	4202.8	4202.5
31	4202.1	---	4202.3	4202.7	---	4203.4	---	4204.0	---	4203.4	4202.9	---
MEAN	4202.0	4202.1	4202.3	4202.5	4202.9	4203.1	4203.3	4203.8	4204.1	4203.7	4203.1	4202.7
MAX	4202.2	4202.2	4202.4	4202.7	4203.0	4203.4	4203.5	4204.0	4204.2	4204.0	4203.4	4202.9
MIN	4201.9	4202.0	4202.2	4202.3	4202.7	4203.0	4203.2	4203.5	4203.7	4203.3	4202.8	4202.5

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.2	4200.0	4200.3	4200.4	4200.9	4201.4	4202.0	4202.4	4202.7	4203.1	4202.7	4202.1
2	4200.2	4200.0	4200.3	4200.4	4200.9	4201.5	4202.0	4202.4	4202.7	4203.1	4202.6	4202.1
3	4200.2	4200.0	4200.3	4200.4	4200.9	4201.5	4202.0	4202.4	4202.8	4203.1	4202.6	4202.1
4	4200.2	4200.0	4200.2	4200.4	4201.0	4201.5	4202.0	4202.4	4202.8	4203.1	4202.6	4202.1
5	4200.2	4200.0	4200.3	4200.5	4201.0	4201.5	4202.0	4202.4	4202.8	4203.0	4202.6	4202.1
6	4200.1	4200.0	4200.3	4200.5	4201.0	4201.7	4202.0	4202.4	4202.8	4203.0	4202.6	4202.1
7	4200.2	4200.0	4200.3	4200.5	4201.0	4201.7	4202.1	4202.5	4202.9	4203.1	4202.5	4202.1
8	4200.1	4200.1	4200.4	4200.5	4201.0	4201.6	4202.2	4202.5	4202.8	4203.0	4202.5	4202.1
9	4200.0	4200.1	4200.5	4200.5	4201.0	4201.6	4202.1	4202.5	4202.8	4203.0	4202.5	4202.0
10	4200.0	4200.1	4200.4	4200.5	4201.0	4201.6	4202.1	4202.5	4202.9	4203.0	4202.5	4202.0
11	4200.2	4200.1	4200.3	4200.5	4201.1	4201.7	4202.1	4202.5	4202.9	4203.0	4202.5	4202.0
12	4200.1	4200.1	4200.3	4200.5	4201.1	4201.7	4202.2	4202.5	4202.9	4203.0	4202.5	4202.0
13	4199.9	4200.1	4200.3	4200.6	4201.1	4201.7	4202.2	4202.4	4202.9	4203.0	4202.4	4202.0
14	4200.0	4200.1	4200.3	4200.6	4201.1	4201.7	4202.3	4202.5	4203.0	4203.0	4202.4	4202.0
15	4200.0	4200.1	4200.3	4200.6	4201.1	4201.7	4202.3	4202.6	4203.0	4202.9	4202.4	4202.0
16	4200.0	4200.1	4200.3	4200.6	4201.2	4201.7	4202.4	4202.6	4203.0	4202.9	4202.4	4202.0
17	4200.0	4200.1	4200.3	4200.7	4201.2	4201.8	4202.4	4202.7	4203.0	4202.9	4202.3	4202.0
18	4200.0	4200.1	4200.4	4200.7	4201.2	4201.9	4202.3	4202.7	4203.0	4202.9	4202.2	4202.0
19	4200.0	4200.1	4200.4	4200.7	4201.2	4201.8	4202.3	4202.6	4203.1	4202.9	4202.3	4202.0
20	4200.0	4200.2	4200.4	4200.8	4201.2	4201.8	4202.4	4202.5	4203.1	4202.9	4202.3	4202.0
21	4200.0	4200.1	4200.4	4200.8	4201.2	4201.8	4202.4	4202.6	4203.1	4202.8	4202.3	4201.9
22	4200.0	4200.1	4200.4	4200.8	4201.2	4201.8	4202.4	4202.6	4203.1	4202.8	4202.2	4201.9
23	4200.1	4200.2	4200.4	4200.8	4201.3	4201.8	4202.3	4202.6	4203.1	4202.7	4202.3	4201.9
24	4200.2	4200.2	4200.6	4200.8	4201.4	4201.9	4202.4	4202.7	4203.1	4202.8	4202.3	4201.9
25	4200.1	4200.2	4200.5	4200.8	4201.5	4201.8	4202.5	4202.7	4203.2	4202.7	4202.1	4201.9
26	4200.0	4200.2	4200.4	4200.8	4201.5	4201.8	4202.6	4202.6	4203.1	4202.7	4202.2	4202.0
27	4200.0	4200.3	4200.4	4200.8	4201.4	4201.9	4202.5	4202.7	4203.2	4202.7	4202.2	4202.0
28	4200.0	4200.2	4200.4	4200.9	4201.4	4201.9	4202.4	4202.7	4203.1	4202.7	4202.2	4201.9
29	4200.0	4200.2	4200.4	4200.9	---	4201.9	4202.4	4202.7	4203.1	4202.7	4202.2	4201.9
30	4200.0	4200.2	4200.4	4200.9	---	4202.0	4202.4	4202.8	4203.1	4202.7	4202.2	4202.0
31	4200.0	---	4200.4	4200.9	---	4202.0	---	4202.7	---	4202.7	4202.2	---
MEAN	4200.1	4200.1	4200.4	4200.6	4201.1	4201.7	4202.3	4202.6	4203.0	4202.9	4202.4	4202.0
MAX	4200.2	4200.3	4200.6	4200.9	4201.5	4202.0	4202.6	4202.8	4203.2	4203.1	4202.7	4202.1
MIN	4199.9	4200.0	4200.2	4200.4	4200.9	4201.4	4202.0	4202.4	4202.7	4202.7	4202.1	4201.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.5	4198.3	4198.6	4198.9	4199.6	4200.0	4200.4	4200.9	4201.2	4201.2	4200.8	4200.3
2	4198.5	4198.4	4198.5	4199.0	4199.6	4200.1	4200.5	4200.8	4201.1	4201.3	4200.8	4200.3
3	4198.5	4198.4	4198.5	4199.1	4199.7	4200.1	4200.4	4200.8	4201.1	4201.2	4200.7	4200.3
4	4198.5	4198.3	4198.5	4199.1	4199.7	4200.1	4200.5	4200.8	4201.1	4201.2	4200.7	4200.3
5	4198.5	4198.4	4198.5	4199.2	4199.8	4200.0	4200.5	4200.8	4201.2	4201.2	4200.8	4200.3
6	4198.5	4198.4	4198.6	4199.2	4199.9	4200.1	4200.4	4200.8	4201.2	4201.1	4200.8	4200.3
7	4198.5	4198.3	4198.6	4199.1	4199.7	4200.1	4200.4	4200.9	4201.2	4201.2	4200.7	4200.2
8	4198.5	4198.4	4198.6	4199.1	4199.8	4200.1	4200.4	4200.9	4201.2	4201.1	4200.7	4200.2
9	4198.5	4198.4	4198.6	4199.1	4199.8	4200.1	4200.5	4200.9	4201.2	4201.1	4200.7	4200.2
10	4198.5	4198.4	4198.6	4199.2	4199.8	4200.1	4200.5	4200.9	4201.1	4201.1	4200.6	4200.2
11	4198.5	4198.4	4198.6	4199.3	4199.8	4200.1	4200.4	4200.9	4201.2	4201.1	4200.6	4200.3
12	4198.5	4198.4	4198.7	4199.2	4199.9	4200.2	4200.5	4200.9	4201.2	4201.1	4200.6	4200.2
13	4198.4	4198.4	4198.8	4199.2	4199.8	4200.2	4200.5	4200.9	4201.3	4201.1	4200.6	4200.1
14	4198.5	4198.5	4198.8	4199.2	4199.8	4200.2	4200.5	4200.9	4201.3	4201.0	4200.6	4200.0
15	4198.4	4198.4	4198.7	4199.2	4199.8	4200.2	4200.5	4200.9	4201.3	4201.0	4200.6	4200.0
16	4198.6	4198.4	4198.9	4199.3	4199.8	4200.2	4200.5	4201.0	4201.3	4201.0	4200.6	4200.2
17	4198.4	4198.3	4198.9	4199.3	4199.9	4200.2	4200.5	4201.0	4201.3	4201.0	4200.5	4200.1
18	4198.4	4198.3	4198.7	4199.3	4199.9	4200.2	4200.5	4201.0	4201.3	4201.0	4200.5	4200.2
19	4198.4	4198.4	4198.7	4199.3	4200.0	4200.2	4200.5	4201.0	4201.4	4201.0	4200.5	4200.2
20	4198.4	4198.4	4198.7	4199.3	4200.0	4200.3	4200.5	4200.9	4201.4	4201.0	4200.5	4200.1
21	4198.4	4198.4	4198.8	4199.3	4200.0	4200.3	4200.5	4200.9	4201.4	4200.9	4200.5	4200.2
22	4198.3	4198.5	4198.9	4199.3	4200.0	4200.3	4200.5	4200.9	4201.4	4200.9	4200.5	4200.2
23	4198.3	4198.5	4198.8	4199.4	4200.0	4200.3	4200.6	4200.9	4201.5	4200.9	4200.4	4200.2
24	4198.3	4198.5	4198.7	4199.3	4200.0	4200.6	4200.7	4201.0	4201.4	4200.9	4200.5	4200.2
25	4198.5	4198.5	4198.8	4199.3	4200.0	4200.3	4200.6	4201.1	4201.3	4200.9	4200.5	4200.2
26	4198.4	4198.6	4198.7	4199.4	4200.0	4200.4	4200.7	4201.0	4201.3	4200.9	4200.4	4200.2
27	4198.4	4198.5	4198.7	4199.4	4200.0	4200.4	4200.6	4201.0	4201.2	4200.9	4200.4	4200.2
28	4198.4	4198.6	4198.8	4199.5	4200.2	4200.4	4200.7	4201.1	4201.3	4200.9	4200.3	4200.2
29	4198.3	4198.8	4198.8	4199.5	---	4200.4	4200.8	4201.1	4201.3	4200.8	4200.4	4200.2
30	4198.3	4198.6	4198.9	4199.5	---	4200.3	4200.7	4201.1	4201.3	4200.8	4200.3	4200.2
31	4198.4	---	4198.9	4199.6	---	4200.4	---	4201.1	---	4200.8	4200.3	---
MEAN	4198.4	4198.4	4198.7	4199.3	4199.9	4200.2	4200.5	4200.9	4201.3	4201.0	4200.6	4200.2
MAX	4198.6	4198.8	4198.9	4199.6	4200.2	4200.6	4200.8	4201.1	4201.5	4201.3	4200.8	4200.3
MIN	4198.3	4198.3	4198.5	4198.9	4199.6	4200.0	4200.4	4200.8	4201.1	4200.8	4200.3	4200.0

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.6	4198.5	4198.5	4198.7	4199.0	4199.4	4199.9	4200.3	4200.3	4200.1	4199.5	4198.9
2	4198.7	4198.4	4198.5	4198.7	4199.0	4199.5	4200.0	4200.3	4200.4	4200.0	4199.5	4198.9
3	4198.7	4198.4	4198.5	4198.7	4199.0	4199.5	4200.0	4200.3	4200.4	4200.0	4199.6	4198.8
4	4198.9	4198.4	4198.5	4198.7	4199.0	4199.4	4200.1	4200.3	4200.4	4200.0	4199.5	4198.7
5	4198.6	4198.4	4198.6	4198.7	4199.1	4199.5	4200.0	4200.3	4200.4	4200.0	4199.4	4198.8
6	4198.6	4198.4	4198.5	4198.7	4199.1	4199.6	4200.0	4200.3	4200.4	4200.1	4199.4	4198.8
7	4198.6	4198.4	4198.6	4198.7	4199.1	4199.5	4200.0	4200.3	4200.4	4200.0	4199.3	4198.7
8	4198.6	4198.4	4198.5	4198.7	4199.1	4199.6	4200.0	4200.3	4200.4	4199.9	4199.3	4198.7
9	4198.6	4198.5	4198.5	4198.7	4199.1	4199.6	4200.0	4200.3	4200.4	4199.9	4199.3	4198.7
10	4198.6	4198.5	4198.5	4198.8	4199.1	4199.6	4200.1	4200.2	4200.4	4199.9	4199.3	4198.7
11	4198.5	4198.4	4198.5	4198.7	4199.1	4199.7	4200.1	4200.2	4200.4	4199.9	4199.3	4198.7
12	4198.6	4198.4	4198.4	4198.8	4199.1	4199.7	4200.1	4200.2	4200.4	4199.9	4199.3	4198.6
13	4198.6	4198.4	4198.5	4198.8	4199.2	4199.7	4200.2	4200.2	4200.4	4199.9	4199.2	4198.5
14	4198.5	4198.4	4198.5	4198.8	4199.2	4199.7	4200.0	4200.3	4200.4	4199.8	4199.3	4198.6
15	4198.5	4198.5	4198.6	4198.8	4199.2	4199.7	4200.0	4200.3	4200.4	4199.8	4199.2	4198.6
16	4198.5	4198.5	4198.7	4198.8	4199.2	4199.8	4200.0	4200.1	4200.3	4199.8	4199.2	4198.7
17	4198.5	4198.5	4198.7	4199.1	4199.2	4199.8	4200.0	4200.3	4200.3	4199.8	4199.1	4198.6
18	4198.6	4198.5	4198.6	4198.8	4199.2	4199.8	4200.2	4200.3	4200.4	4199.8	4199.2	4198.6
19	4198.6	4198.5	4198.6	4198.9	4199.2	4199.8	4200.1	4200.3	4200.4	4199.8	4199.1	4198.6
20	4198.5	4198.5	4198.6	4198.8	4199.2	4199.8	4200.2	4200.3	4200.3	4199.8	4199.1	4198.6
21	4198.6	4198.5	4198.6	4198.9	4199.2	4199.8	4200.2	4200.3	4200.3	4199.7	4199.1	4198.6
22	4198.5	4198.5	4198.6	4199.0	4199.4	4199.8	4200.2	4200.4	4200.3	4199.7	4199.1	4198.6
23	4198.4	4198.5	4198.6	4198.8	4199.3	4199.9	4200.2	4200.3	4200.2	4199.7	4199.0	4198.6
24	4198.4	4198.5	4198.6	4198.8	4199.4	4199.9	4200.3	4200.3	4200.2	4199.7	4199.0	4198.5
25	4198.4	4198.5	4198.6	4199.0	4199.4	4199.9	4200.2	4200.3	4200.2	4199.7	4199.0	4198.6
26	4198.5	4198.7	4198.6	4198.9	4199.6	4199.9	4200.2	4200.2	4200.0	4199.6	4198.9	4198.6
27	4198.4	4198.5	4198.6	4198.9	4199.4	4199.9	4200.4	4200.2	4200.2	4199.6	4199.0	4198.5
28	4198.5	4198.4	4198.6	4199.0	4199.4	4199.9	4200.3	4200.3	4200.1	4199.6	4199.0	4198.5
29	4198.5	4198.5	4198.6	4198.9	4199.5	4200.0	4200.2	4200.3	4200.1	4199.6	4198.9	4198.5
30	4198.5	4198.5	4198.6	4199.0	---	4199.9	4200.2	4200.3	4200.1	4199.6	4198.9	4198.5
31	4198.5	---	4198.8	4199.0	---	4199.9	---	4200.3	---	4199.6	4198.9	---
MEAN	4198.6	4198.5	4198.6	4198.8	4199.2	4199.7	4200.1	4200.3	4200.3	4199.8	4199.2	4198.6
MAX	4198.9	4198.7	4198.8	4199.1	4199.6	4200.0	4200.4	4200.4	4200.4	4200.1	4199.6	4198.9
MIN	4198.4	4198.4	4198.4	4198.7	4199.0	4199.4	4199.9	4200.1	4200.0	4199.6	4198.9	4198.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.6	4197.6	4197.8	4198.0	4198.5	4198.7	4199.0	4199.2	4199.9	4200.2	4199.7	4199.0
2	4197.6	4197.7	4197.8	4198.0	4198.5	4198.7	4199.1	4199.3	4199.9	4200.2	4199.7	4199.0
3	4197.6	4197.7	4197.8	4198.0	4198.5	4198.7	4199.1	4199.3	4199.9	4200.2	4199.6	4199.0
4	4197.6	4197.6	4197.8	4198.0	4198.5	4198.7	4199.1	4199.3	4199.9	4200.2	4199.6	4199.1
5	4197.6	4197.6	4197.8	4198.0	4198.5	4198.8	4199.1	4199.3	4200.1	4200.1	4199.6	4199.0
6	4197.6	4197.6	4197.8	4198.0	4198.5	4198.8	4199.1	4199.2	4200.0	4200.1	4199.6	4199.0
7	4197.6	4197.6	4197.9	4198.0	4198.5	4198.7	4199.1	4199.4	4200.1	4200.1	4199.6	4199.0
8	4197.6	4197.6	4197.9	4198.1	4198.5	4198.7	4199.2	4199.4	4200.0	4200.1	4199.6	4199.0
9	4197.6	4197.6	4197.8	4198.1	4198.5	4198.7	4199.3	4199.4	4200.1	4200.1	4199.5	4198.9
10	4197.6	4197.6	4197.9	4198.0	4198.6	4198.5	4199.2	4199.5	4200.1	4200.0	4199.4	4198.9
11	4197.5	4197.6	4197.9	4198.1	4198.6	4198.6	4199.1	4199.5	4200.1	4200.0	4199.5	4198.9
12	4197.6	4197.7	4197.9	4198.1	4198.6	4198.7	4199.1	4199.6	4200.1	4200.0	4199.4	4198.8
13	4197.6	4197.8	4197.9	4198.1	4198.5	4198.7	4198.9	4199.5	4200.2	4200.1	4199.5	4198.8
14	4197.6	4197.7	4197.9	4198.1	4198.7	4198.8	4199.2	4199.5	4200.1	4200.0	4199.4	4198.8
15	4197.8	4197.7	4197.9	4198.2	4198.6	4198.9	4199.1	4199.6	4200.1	4200.0	4199.4	4198.8
16	4197.7	4197.7	4197.9	4198.2	4198.6	4198.9	4199.1	4199.6	4200.1	4200.0	4199.2	4198.8
17	4197.6	4197.7	4197.9	4198.3	4198.6	4198.8	4199.1	4199.6	4200.1	4200.0	4199.3	4198.8
18	4197.6	4197.9	4197.9	4198.2	4198.6	4198.9	4199.1	4199.6	4200.1	4199.9	4199.4	4198.8
19	4197.6	4197.8	4197.9	4198.3	4198.7	4198.9	4199.1	4199.6	4200.3	4199.9	4199.3	4198.7
20	4197.6	4197.7	4197.9	4198.3	4198.7	4198.8	4199.1	4199.6	4200.4	4200.0	4199.2	4198.9
21	4197.6	4197.7	4198.0	4198.3	4198.7	4198.9	4199.3	4199.6	4200.2	4199.9	4199.2	4198.8
22	4197.6	4197.7	4198.0	4198.3	4198.7	4198.8	4199.2	4199.7	4200.1	4199.9	4199.2	4198.7
23	4197.6	4197.7	4198.0	4198.3	4198.7	4198.9	4199.1	4199.6	4200.2	4199.9	4199.2	4198.7
24	4197.6	4197.7	4198.0	4198.3	4198.7	4199.0	4199.1	4199.6	4200.2	4199.9	4199.2	4198.6
25	4197.6	4197.8	4198.0	4198.4	4198.7	4199.0	4199.1	4199.7	4200.2	4199.9	4199.2	4198.6
26	4197.6	4197.8	4198.0	4198.4	4198.7	4199.0	4199.1	4199.8	4200.2	4199.8	4199.1	4198.6
27	4197.6	4197.7	4198.0	4198.4	4198.7	4199.0	4199.2	4199.8	4200.2	4199.8	4199.2	4198.6
28	4197.7	4197.8	4198.0	4198.4	4198.7	4199.0	4199.2	4199.8	4200.2	4199.8	4199.1	4198.7
29	4197.6	4197.7	4198.0	4198.4	---	4199.1	4199.2	4199.9	4200.3	4199.8	4199.1	4198.8
30	4197.6	4197.8	4198.1	4198.4	---	4199.0	4199.3	4199.8	4200.2	4199.8	4199.1	4198.7
31	4197.6	---	4198.1	4198.4	---	4199.0	---	4199.8	---	4199.7	4199.1	---
MEAN	4197.6	4197.7	4197.9	4198.2	4198.6	4198.8	4199.1	4199.6	4200.1	4200.0	4199.4	4198.8
MAX	4197.8	4197.9	4198.1	4198.4	4198.7	4199.1	4199.3	4199.9	4200.4	4200.2	4199.7	4199.1
MIN	4197.5	4197.6	4197.8	4198.0	4198.5	4198.5	4198.9	4199.2	4199.9	4199.7	4199.1	4198.6

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.6	4199.7	4199.5	4199.6	4199.6	4199.8	4200.0	4200.2	4200.0	4199.5	4198.9	4198.1
2	4199.6	4199.6	4199.5	4199.5	4199.6	4199.8	4200.0	4200.2	4200.1	4199.4	4198.8	4198.1
3	4199.6	4199.6	4199.5	4199.5	4199.6	4199.8	4200.1	4200.2	4200.0	4199.5	4198.7	4198.1
4	4199.6	4199.7	4199.5	4199.6	4199.6	4199.8	4200.1	4200.2	4200.0	4199.4	4198.7	4198.1
5	4199.6	4199.6	4199.5	4199.6	4199.6	4199.8	4200.1	4200.3	4200.0	4199.4	4198.7	4198.1
6	4199.6	4199.5	4199.5	4199.7	4199.6	4199.9	4200.0	4200.3	4200.1	4199.3	4198.7	4198.0
7	4199.6	4199.5	4199.5	4199.5	4199.6	4199.9	4200.1	4200.2	4199.9	4199.3	4198.7	4198.0
8	4199.6	4199.5	4199.7	4199.6	4199.7	4199.9	4200.0	4200.2	4200.0	4199.3	4198.6	4198.0
9	4199.6	4199.5	4199.7	4199.6	4199.7	4199.9	4200.1	4200.3	4199.9	4199.2	4198.6	4198.0
10	4199.6	4199.6	4199.6	4199.6	4199.7	4199.9	4200.2	4200.2	4199.9	4199.3	4198.6	4198.0
11	4199.6	4199.6	4199.9	4199.6	4199.9	4199.9	4200.1	4200.2	4199.8	4199.2	4198.6	4198.0
12	4199.6	4199.6	4199.7	4199.6	4199.7	4200.0	4200.1	4200.3	4199.9	4199.2	4198.6	4197.9
13	4199.6	4199.6	4199.6	4199.6	4199.7	4199.9	4200.1	4200.2	4199.8	4199.2	4198.5	4197.9
14	4199.6	4199.7	4199.6	4199.6	4199.7	4199.9	4200.2	4200.2	4199.9	4199.2	4198.5	4197.9
15	4199.6	4199.5	4199.6	4199.6	4199.7	4199.9	4200.1	4200.1	4199.8	4199.1	4198.5	4197.9
16	4199.7	4199.5	4199.6	4199.6	4199.7	4199.9	4200.1	4200.2	4199.8	4199.1	4198.5	4197.8
17	4199.7	4199.5	4199.5	4199.6	4199.6	4199.9	4200.1	4200.2	4199.7	4199.1	4198.5	4197.8
18	4199.7	4199.6	4199.5	4199.6	4199.7	4199.9	4200.1	4200.2	4199.7	4199.1	4198.5	4197.8
19	4199.7	4199.5	4199.5	4199.6	4199.7	4199.9	4200.1	4200.2	4199.7	4199.1	4198.4	4197.8
20	4199.7	4199.5	4199.5	4199.6	4199.7	4199.9	4200.1	4200.1	4199.6	4199.1	4198.3	4197.8
21	4199.7	4199.5	4199.6	4199.6	4199.7	4199.9	4200.1	4200.1	4199.6	4199.0	4198.2	4197.8
22	4199.7	4199.5	4199.5	4199.6	4199.8	4200.1	4200.1	4200.1	4199.6	4199.0	4198.2	4197.8
23	4199.7	4199.6	4199.6	4199.6	4199.7	4200.0	4200.1	4200.1	4199.6	4199.0	4198.4	4197.8
24	4199.7	4199.6	4199.5	4199.6	4199.7	4200.0	4200.0	4200.1	4199.6	4198.9	4198.3	4197.8
25	4199.7	4199.5	4199.5	4199.7	4199.7	4200.0	4200.1	4200.1	4199.6	4198.9	4198.3	4197.8
26	4199.8	4199.5	4199.5	4199.7	4199.8	4200.1	4200.1	4200.0	4199.7	4198.9	4198.3	4197.7
27	4199.7	4199.5	4199.5	4199.7	4199.8	4200.1	4200.1	4200.1	4199.6	4198.9	4198.3	4197.6
28	4199.7	4199.5	4199.5	4199.7	4199.8	4200.0	4200.2	4200.0	4199.5	4198.9	4198.3	4197.6
29	4199.8	4199.5	4199.5	4199.7	---	4200.1	4200.2	4200.0	4199.5	4198.9	4198.2	4197.6
30	4199.6	4199.5	4199.5	4199.8	---	4200.1	4200.2	4200.0	4199.5	4198.8	4198.2	4197.6
31	4199.6	---	4199.5	4199.7	---	4200.0	---	4200.0	---	4198.8	4198.2	---
MEAN	4199.7	4199.6	4199.6	4199.6	4199.7	4199.9	4200.1	4200.2	4199.8	4199.1	4198.5	4197.9
MAX	4199.8	4199.7	4199.9	4199.8	4199.9	4200.1	4200.2	4200.3	4200.1	4199.5	4198.9	4198.1
MIN	4199.6	4199.5	4199.5	4199.5	4199.6	4199.8	4200.0	4200.0	4199.5	4198.8	4198.2	4197.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.8	4198.6	4198.6	4198.9	4199.2	4199.6	4200.2	4200.3	4200.7	4200.8	4200.4	4199.9
2	4198.7	4199.0	4198.7	4199.0	4199.2	4199.6	4200.3	4200.3	4200.7	4200.9	4200.4	4200.0
3	4198.8	4198.8	4198.7	4198.9	4199.2	4199.6	4200.2	4200.4	4200.7	4200.8	4200.4	4199.9
4	4198.7	4198.6	4198.7	4198.9	4199.2	4199.6	4200.2	4200.3	4200.6	4200.8	4200.4	4199.9
5	4198.7	4198.6	4198.7	4198.9	4199.2	4199.6	4200.2	4200.4	4200.6	4200.7	4200.4	4199.9
6	4198.8	4198.6	4198.6	4198.9	4199.3	4199.6	4200.4	4200.4	4200.6	4200.7	4200.3	4199.9
7	4198.7	4198.7	4198.6	4198.9	4199.3	4199.6	4200.3	4200.5	4200.7	4200.7	4200.4	4199.9
8	4198.6	4198.7	4198.7	4199.0	4199.3	4199.6	4200.2	4200.5	4200.7	4200.7	4200.3	4199.9
9	4198.7	4198.7	4198.7	4199.0	4199.3	4199.7	4200.3	4200.5	4200.7	4200.7	4200.3	4199.9
10	4198.6	4198.7	4198.7	4199.0	4199.3	4199.7	4200.3	4200.5	4200.8	4200.7	4200.3	4199.9
11	4198.6	4198.6	4198.7	4199.1	4199.3	4199.8	4200.3	4200.5	4200.9	4200.7	4200.4	4199.8
12	4198.6	4198.6	4198.9	4199.0	4199.3	4199.8	4200.3	4200.5	4200.9	4200.7	4200.4	4200.0
13	4198.6	4198.6	4198.9	4199.1	4199.4	4199.7	4200.3	4200.5	4200.8	4200.7	4200.3	4199.9
14	4198.6	4198.6	4198.7	4199.1	4199.4	4199.8	4200.2	4200.5	4200.8	4200.6	4200.3	4199.7
15	4198.6	4198.6	4198.8	4199.1	4199.4	4199.8	4200.3	4200.6	4200.9	4200.7	4200.1	4199.7
16	4198.6	4198.6	4198.7	4199.1	4199.4	4199.8	4200.3	4200.6	4201.0	4200.6	4200.3	4199.7
17	4198.6	4198.6	4198.7	4199.1	4199.4	4199.8	4200.3	4200.6	4200.9	4200.5	4200.2	4199.8
18	4198.6	4198.6	4198.8	4199.1	4199.4	4199.9	4200.6	4200.6	4200.8	4200.6	4200.2	4199.8
19	4198.6	4198.6	4198.7	4199.1	4199.4	4199.9	4200.3	4200.6	4200.8	4200.5	4200.1	4199.7
20	4198.6	4198.9	4198.7	4199.2	4199.5	4199.9	4200.3	4200.6	4200.8	4200.5	4200.1	4199.7
21	4198.6	4198.6	4198.7	4199.2	4199.5	4200.0	4200.3	4200.6	4200.8	4200.5	4200.2	4199.8
22	4198.6	4198.7	4198.7	4199.2	4199.5	4200.0	4200.3	4200.6	4200.9	4200.4	4200.1	4199.8
23	4198.6	4198.8	4198.7	4199.2	4199.5	4200.0	4200.4	4200.7	4200.9	4200.4	4200.1	4199.8
24	4198.6	4198.7	4198.8	4199.2	4199.5	4199.9	4200.3	4200.7	4200.8	4200.5	4200.2	4199.7
25	4198.6	4198.6	4198.8	4199.2	4199.6	4200.0	4200.3	4200.7	4200.8	4200.4	4200.2	4199.7
26	4198.5	4198.6	4198.8	4199.2	4199.6	4200.0	4200.4	4200.7	4200.8	4200.5	4200.1	4199.7
27	4198.6	4198.6	4198.8	4199.2	4199.6	4200.1	4200.3	4200.7	4200.8	4200.5	4200.1	4199.7
28	4198.5	4198.6	4198.8	4199.2	4199.6	4200.1	4200.3	4200.6	4200.8	4200.5	4200.0	4199.7
29	4198.6	4198.6	4198.7	4199.2	---	4200.1	4200.3	4200.7	4200.9	4200.4	4200.1	4199.7
30	4198.7	4198.6	4198.8	4199.2	---	4200.2	4200.4	4200.7	4200.8	4200.4	4200.0	4199.6
31	4198.7	---	4198.9	4199.2	---	4200.2	---	4200.7	---	4200.4	4200.0	---
MEAN	4198.6	4198.7	4198.7	4199.1	4199.4	4199.8	4200.3	4200.6	4200.8	4200.6	4200.2	4199.8
MAX	4198.8	4199.0	4198.9	4199.2	4199.6	4200.2	4200.6	4200.7	4201.0	4200.9	4200.4	4200.0
MIN	4198.5	4198.6	4198.6	4198.9	4199.2	4199.6	4200.2	4200.3	4200.6	4200.4	4200.0	4199.6

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.5	4200.4	4200.6	4200.7	4200.8	4201.2	4201.3	4201.2	4200.7	4200.3	4199.9	4199.3
2	4200.5	4200.5	4200.5	4200.7	4200.8	4201.2	4201.3	4201.1	4200.8	4200.3	4199.9	4199.3
3	4200.6	4200.4	4200.5	4200.7	4200.8	4201.2	4201.3	4201.1	4200.7	4200.3	4199.9	4199.2
4	4200.5	4200.4	4200.5	4200.7	4200.9	4201.2	4201.2	4201.0	4200.7	4200.3	4199.9	4199.3
5	4200.4	4200.4	4200.5	4200.7	4200.9	4201.2	4201.3	4201.0	4200.8	4200.2	4199.7	4199.2
6	4200.4	4200.4	4200.5	4200.7	4200.9	4201.2	4201.3	4201.0	4200.6	4200.3	4199.8	4199.3
7	4200.4	4200.4	4200.6	4200.8	4200.9	4201.2	4201.3	4201.0	4200.6	4200.2	4199.7	4199.3
8	4200.4	4200.4	4200.6	4200.8	4200.9	4201.3	4201.2	4201.0	4200.6	4200.2	4199.7	4199.2
9	4200.4	4200.4	4200.6	4200.8	4200.9	4201.2	4201.2	4201.1	4200.6	4200.2	4199.7	4199.2
10	4200.4	4200.5	4200.6	4200.8	4200.9	4201.2	4201.2	4201.0	4200.6	4200.2	4199.7	4199.1
11	4200.4	4200.5	4200.6	4200.8	4200.9	4201.2	4201.2	4201.0	4200.6	4200.2	4199.7	4199.1
12	4200.4	4200.5	4200.6	4200.8	4200.9	4201.2	4201.2	4201.0	4200.6	4200.2	4199.7	4199.2
13	4200.4	4200.5	4200.6	4200.8	4200.9	4201.2	4201.2	4200.9	4200.6	4200.2	4199.7	4199.2
14	4200.4	4200.6	4200.6	4200.8	4200.9	4201.2	4201.2	4201.0	4200.5	4200.2	4199.7	4199.1
15	4200.4	4200.5	4200.6	4200.8	4200.9	4201.2	4201.2	4200.9	4200.5	4200.2	4199.7	4199.1
16	4200.4	4200.5	4200.6	4200.8	4201.0	4201.3	4201.2	4200.9	4200.5	4200.2	4199.7	4199.1
17	4200.4	4200.5	4200.6	4200.8	4201.0	4201.3	4201.3	4200.9	4200.5	4200.2	4199.6	4199.1
18	4200.4	4200.6	4200.6	4200.8	4201.0	4201.3	4201.3	4200.9	4200.5	4200.2	4199.6	4199.1
19	4200.4	4200.5	4200.7	4200.8	4201.0	4201.3	4201.2	4200.8	4200.5	4200.1	4199.6	4199.1
20	4200.4	4200.5	4200.7	4200.8	4201.0	4201.3	4201.1	4200.8	4200.5	4200.1	4199.5	4199.1
21	4200.3	4200.6	4200.6	4200.8	4201.1	4201.3	4201.2	4200.9	4200.5	4200.2	4199.5	4199.0
22	4200.3	4200.6	4200.6	4200.8	4201.1	4201.3	4201.2	4200.9	4200.4	4200.1	4199.5	4199.0
23	4200.4	4200.5	4200.6	4200.8	4201.1	4201.3	4201.1	4200.9	4200.4	4200.1	4199.5	4199.0
24	4200.3	4200.5	4200.6	4200.8	4201.1	4201.3	4201.1	4200.8	4200.4	4200.1	4199.5	4199.0
25	4200.3	4200.5	4200.6	4200.8	4201.1	4201.3	4201.1	4200.8	4200.4	4200.0	4199.4	4198.9
26	4200.2	4200.5	4200.6	4200.8	4201.1	4201.3	4201.1	4200.9	4200.4	4200.0	4199.3	4198.9
27	4200.5	4200.6	4200.7	4200.8	4201.1	4201.3	4201.1	4200.9	4200.4	4200.0	4199.3	4198.9
28	4200.6	4200.6	4200.7	4200.8	4201.1	4201.3	4201.1	4200.8	4200.4	4200.0	4199.3	4198.9
29	4200.4	4200.7	4200.7	4200.8	4201.2	4201.3	4201.1	4200.8	4200.4	4200.0	4199.3	4198.9
30	4200.4	4200.7	4200.7	4200.8	---	4201.3	4201.1	4200.8	4200.4	4200.0	4199.3	4198.9
31	4200.4	---	4200.7	4200.8	---	4201.3	---	4200.8	---	4199.9	4199.3	---
MEAN	4200.4	4200.5	4200.6	4200.8	4201.0	4201.3	4201.2	4200.9	4200.5	4200.2	4199.6	4199.1
MAX	4200.6	4200.7	4200.7	4200.8	4201.2	4201.3	4201.3	4201.2	4200.8	4200.3	4199.9	4199.3
MIN	4200.2	4200.4	4200.5	4200.7	4200.8	4201.2	4201.1	4200.8	4200.4	4199.9	4199.3	4198.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.8	4201.7	4201.6	4201.6	4201.7	4201.9	4202.0	4202.0	4202.1	4201.9	4201.4	4200.9
2	4201.9	4201.8	4201.7	4201.6	4201.7	4202.0	4202.0	4202.0	4202.1	4201.9	4201.4	4200.9
3	4201.8	4201.7	4201.5	4201.6	4201.7	4202.0	4201.9	4202.0	4202.2	4201.9	4201.3	4200.9
4	4201.7	4201.5	4201.6	4201.6	4201.7	4201.9	4202.0	4202.0	4202.1	4201.9	4201.3	4200.9
5	4201.7	4201.6	4201.6	4201.6	4201.7	4202.1	4201.9	4202.0	4202.4	4201.9	4201.3	4200.8
6	4201.8	4201.6	4201.6	4201.6	4201.7	4202.0	4202.0	4202.0	4202.2	4201.9	4201.3	4200.8
7	4201.8	4201.6	4201.6	4201.6	4201.7	4202.0	4202.0	4202.0	4202.2	4201.9	4201.3	4200.9
8	4201.7	4201.5	4201.6	4201.6	4201.7	4202.0	4201.9	4202.1	4202.2	4201.8	4201.3	4200.9
9	4201.7	4201.5	4201.6	4201.6	4201.7	4202.0	4201.9	4202.1	4202.2	4201.8	4201.2	4200.9
10	4201.7	4201.5	4201.6	4201.6	4201.7	4202.0	4202.1	4202.0	4202.2	4201.8	4201.2	4200.9
11	4201.8	4201.5	4201.6	4201.6	4201.7	4202.1	4202.2	4202.1	4202.2	4201.8	4201.2	4200.9
12	4201.7	4201.5	4201.6	4201.6	4201.7	4202.0	4202.0	4202.0	4202.2	4201.8	4201.1	4200.9
13	4201.6	4201.5	4201.6	4201.6	4201.7	4202.0	4201.9	4202.0	4202.2	4201.8	4201.2	4200.9
14	4201.7	4201.6	4201.6	4201.7	4201.7	4202.0	4201.9	4202.1	4202.3	4201.7	4201.2	4200.9
15	4201.6	4201.6	4201.6	4201.7	4201.7	4202.0	4202.0	4202.1	4202.2	4201.7	4201.1	4200.8
16	4201.7	4201.5	4201.6	4201.7	4201.8	4202.0	4202.0	4202.1	4202.2	4201.7	4201.1	4200.8
17	4201.7	4201.5	4201.6	4201.7	4201.8	4202.0	4202.0	4202.1	4202.2	4201.7	4201.1	4200.8
18	4201.6	4201.5	4201.6	4201.7	4201.8	4202.0	4201.9	4202.1	4202.2	4201.7	4201.1	4200.8
19	4201.8	4201.5	4201.6	4201.8	4201.8	4202.0	4201.9	4202.1	4202.1	4201.7	4201.1	4200.8
20	4201.8	4201.6	4201.7	4201.7	4201.8	4202.0	4201.9	4202.1	4202.1	4201.7	4201.1	4200.8
21	4201.6	4201.5	4201.6	4201.7	4201.8	4202.0	4201.9	4202.1	4202.1	4201.6	4201.1	4200.8
22	4201.6	4201.5	4201.6	4201.7	4201.9	4202.0	4201.9	4202.1	4202.1	4201.6	4201.0	4200.8
23	4201.6	4201.5	4201.6	4201.7	4201.9	4202.0	4201.9	4202.1	4202.1	4201.6	4201.0	4200.8
24	4201.6	4201.6	4201.6	4201.7	4201.9	4202.0	4201.9	4202.1	4202.0	4201.6	4201.0	4200.8
25	4201.6	4201.5	4201.6	4201.7	4201.9	4201.9	4202.0	4202.1	4202.1	4201.6	4201.0	4200.8
26	4201.6	4201.8	4201.6	4201.7	4201.9	4202.0	4202.1	4202.2	4202.0	4201.6	4201.0	4200.8
27	4201.6	4201.6	4201.6	4201.7	4201.9	4201.9	4202.0	4202.1	4201.9	4201.5	4200.9	4200.7
28	4201.6	4201.6	4201.6	4201.8	4201.9	4202.0	4202.0	4202.1	4201.9	4201.5	4201.0	4200.7
29	4201.6	4201.5	4201.7	4201.8	---	4202.1	4202.0	4202.1	4202.0	4201.5	4200.9	4200.8
30	4201.6	4201.5	4201.6	4201.7	---	4202.0	4202.0	4202.1	4201.9	4201.5	4200.9	4200.7
31	4201.6	---	4201.6	4201.7	---	4202.0	---	4202.2	---	4201.4	4200.9	---
MEAN	4201.7	4201.6	4201.6	4201.7	4201.8	4202.0	4202.0	4202.1	4202.1	4201.7	4201.1	4200.8
MAX	4201.9	4201.8	4201.7	4201.8	4201.9	4202.1	4202.2	4202.2	4202.4	4201.9	4201.4	4200.9
MIN	4201.6	4201.5	4201.5	4201.6	4201.7	4201.9	4201.9	4202.0	4201.9	4201.4	4200.9	4200.7

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4204.0	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4204.0	4203.5	4203.2	4202.7	4202.2
2	4204.0	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.5	4203.2	4202.7	4202.2
3	4204.0	4203.7	4203.7	4203.7	4203.7	4203.8	4203.8	4204.0	4203.5	4203.3	4202.7	4202.2
4	4203.8	4203.7	4203.7	4203.7	4203.7	4203.8	4203.8	4203.8	4203.7	4203.2	4202.7	4202.2
5	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4203.8	4203.8	4203.7	4203.2	4202.7	4202.2
6	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4203.8	4203.8	4203.7	4203.2	4202.7	4202.2
7	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.8	4203.5	4203.2	4202.7	4202.2
8	4203.7	4203.7	4203.7	4203.7	4203.7	4203.8	4203.8	4204.0	4203.5	4203.0	4202.5	4202.2
9	4203.7	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.7	4203.5	4203.0	4202.5	4202.2
10	4203.7	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.7	4203.5	4203.2	4202.5	4202.0
11	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4204.0	4203.8	4203.5	4203.2	4202.5	4202.0
12	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4204.0	4203.7	4203.5	4203.0	4202.5	4202.0
13	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4204.0	4203.7	4203.5	4203.0	4202.5	4202.0
14	4203.7	4203.8	4203.7	4203.7	4204.0	4204.0	4203.8	4203.7	4203.5	4203.0	4202.5	4202.0
15	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.7	4203.5	4203.0	4202.5	4202.0
16	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4204.0	4203.7	4203.5	4203.0	4202.5	4202.0
17	4203.7	4203.5	4203.7	4203.7	4203.7	4204.0	4203.8	4203.7	4203.5	4203.0	4202.5	4202.0
18	4203.7	4203.7	4203.7	4203.8	4203.7	4204.0	4203.8	4203.7	4203.5	4203.0	4202.5	4202.0
19	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.7	4203.5	4203.0	4202.5	4202.0
20	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.7	4203.5	4203.0	4202.3	4202.0
21	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4203.8	4203.7	4203.5	4203.0	4202.3	4202.0
22	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4203.8	4203.7	4203.5	4202.8	4202.3	4202.0
23	4203.7	4203.7	4203.7	4203.8	4203.7	4204.0	4203.8	4203.7	4203.3	4202.8	4202.3	4202.0
24	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4204.0	4203.5	4203.3	4202.7	4202.5	4202.0
25	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4204.0	4203.7	4203.3	4202.8	4202.2	4202.0
26	4203.8	4203.7	4203.7	4203.8	4203.8	4204.0	4204.0	4203.7	4203.3	4202.8	4202.2	4201.8
27	4203.7	4203.7	4203.7	4203.7	4203.8	4204.0	4203.8	4203.7	4203.3	4202.7	4202.2	4201.8
28	4203.8	4203.7	4203.7	4203.7	4203.8	4204.0	4204.0	4203.5	4203.3	4202.7	4202.2	4202.0
29	4203.7	4203.7	4203.7	4203.7	---	4204.0	4203.8	4203.5	4203.3	4202.7	4202.2	4201.8
30	4203.7	4203.7	4203.7	4203.7	---	4204.0	4204.0	4203.5	4203.2	4202.7	4202.2	4201.8
31	4203.7	---	4203.7	4203.7	---	4204.0	---	4203.7	---	4202.7	4202.2	---
MEAN	4203.7	4203.7	4203.7	4203.7	4203.7	4204.0	4203.9	4203.7	4203.5	4203.0	4202.5	4202.0
MAX	4204.0	4203.8	4203.7	4203.8	4204.0	4204.0	4204.0	4204.0	4203.7	4203.3	4202.7	4202.2
MIN	4203.7	4203.5	4203.7	4203.7	4203.7	4203.8	4203.8	4203.5	4203.2	4202.7	4202.2	4201.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4206.2	4205.9	4205.9	4205.9	4205.9	4205.9	4206.1	4206.1	4205.9	4205.4	4204.7	4204.4
15	4206.1	4205.9	4205.9	4205.9	4205.9	4206.1	4206.1	4206.1	4205.6	4205.1	4204.6	4204.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4209.1	4209.0	4209.0	4209.0	4209.0	4209.1	4209.0	4209.0	4208.6	4208.1	4207.4	4206.9
15	4209.0	4209.0	4209.0	4209.0	4209.1	4209.1	4209.0	4208.8	4208.5	4207.6	4206.9	4206.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4210.4	4210.6	4210.7	4210.9	4211.1	4211.3	4211.5	4211.4	4211.2	4210.8	4210.3	4209.6
15	4210.5	4210.6	4210.7	4211.0	4211.2	4211.4	4211.5	4211.3	4211.2	4210.5	4209.9	4209.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4208.2	4208.1	4208.3	4208.7	4208.9	4209.7	4210.2	4211.0	4211.5	4211.1	4210.8	4210.5
15	4208.2	4208.2	4208.5	4208.7	4209.1	4210.0	4210.7	4211.4	4211.2	4210.9	4210.6	4210.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4207.7	4207.9	4208.1	4208.5	4208.8	4209.0	4209.4	4209.8	4209.8	4209.3	4208.9	4208.4
15	4207.8	4208.1	4208.3	4208.6	4208.8	4209.2	4209.6	4209.8	4209.6	4209.2	4208.6	4208.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4204.3	4204.7	4205.0	4205.9	4206.3	4206.7	4207.3	4207.9	4208.6	4209.1	4208.9	4208.0
15	4204.5	4204.8	4205.4	4206.2	4206.5	4206.9	4207.5	4208.2	4209.0	4208.9	4208.4	4207.8

10010050 GREAT SALT LAKE AT PROMONTORY POINT, UT

LOCATION.--Lat 41°12'10", long 112°25'33", in SW¼NW¼SW¼ sec. 33, T. 6 N., R. 5 W., Box Elder County, Hydrologic Unit 16020310, 2.3 mi east of Saline at the southern most tip of the Promontory Peninsula.

PERIOD OF RECORD.--October 1968 to September 1982, December 1996 to September 1999 (discontinued).

REVISED RECORDS.--WDR UT-75-1: 1969-75, WDR UT-2001-1: 1969-82, 1997-99.

GAGE.--Water-stage recorder on pier of boat harbor at the southern most tip of the Promontory Peninsula since December 10, 1996. Datum of gage since December 10, 1996 is 4,190.25 ft above sea level. October 1968 to September 1982, gage located 4.6 miles west of current location, on the southeast end of the Southern Pacific Railroad causeway at a datum of 4,190.38 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 December 1996. Records revised because of revision of +0.25 ft to the Benchmarks from the 1999 NGS survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,204.2 ft, many days in Jun and Jul, 1999; minimum, 4,194.50 ft, Oct 1, 15, 1968.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4202.1	4202.2	4202.2	4202.5	4202.8	4203.1	4203.2	4203.6	4204.1	4204.1	4203.5	4203.0
2	4202.1	4202.2	4202.2	4202.5	4202.8	4203.1	4203.2	4203.7	4204.2	4204.1	4203.5	4203.0
3	4202.0	4202.2	4202.2	4202.5	4202.8	4203.1	4203.2	4203.7	4204.1	4204.2	4203.5	4203.0
4	4202.1	4202.2	4202.2	4202.5	4202.8	4203.1	4203.2	4203.7	4204.0	4204.0	4203.5	4203.0
5	4202.1	4202.2	4202.4	4202.5	4202.8	4203.1	4203.2	4203.7	4204.2	4204.0	4203.5	4203.0
6	4202.1	4202.2	4202.2	4202.5	4202.9	4203.1	4203.2	4203.8	4204.2	4204.0	4203.5	4203.0
7	4202.1	4202.2	4202.4	4202.5	4202.9	4203.1	4203.2	4203.8	4204.2	4204.1	4203.4	4202.9
8	4202.1	4202.2	4202.4	4202.5	4202.9	4203.1	4203.4	4203.7	4204.2	4204.0	4203.4	4202.9
9	4202.1	4202.2	4202.2	4202.5	4202.9	4203.1	4203.2	4203.8	4204.2	4204.0	4203.4	4202.9
10	4202.1	4202.2	4202.4	4202.5	4202.9	4203.1	4203.2	4203.8	4204.2	4204.0	4203.4	4202.9
11	4202.1	4202.2	4202.4	4202.5	4202.9	4203.1	4203.2	4203.8	4204.2	4203.9	4203.2	4202.9
12	4202.1	4202.2	4202.4	4202.6	4202.9	4203.1	4203.4	4203.8	4204.2	4203.9	4203.2	4202.9
13	4202.1	4202.2	4202.4	4202.6	4202.9	4203.2	4203.2	4203.8	4204.2	4204.0	4203.2	4202.9
14	4202.1	4202.2	4202.4	4202.6	4202.9	4203.2	4203.2	4203.9	4204.2	4203.9	4203.2	4202.9
15	4202.0	4202.2	4202.4	4202.6	4202.9	4203.2	4203.2	4203.9	4204.2	4203.9	4203.2	4202.9
16	4202.0	4202.2	4202.4	4202.6	4202.9	4203.2	4203.4	4203.9	4204.2	4203.9	4203.2	4202.9
17	4202.1	4202.2	4202.4	4202.6	4203.0	4203.2	4203.4	4204.0	4204.2	4203.8	4203.2	4202.9
18	4202.1	4202.2	4202.4	4202.6	4203.0	4203.2	4203.4	4204.0	4204.2	4203.8	4203.2	4202.9
19	4202.1	4202.2	4202.4	4202.6	4203.0	4203.2	4203.4	4203.9	4204.2	4203.8	4203.2	4202.9
20	4202.0	4202.2	4202.2	4202.7	4203.0	4203.2	4203.4	4204.0	4204.2	4203.8	4203.2	4202.8
21	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.4	4204.0	4204.2	4203.8	4203.2	4202.8
22	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.2	4204.0	4204.2	4203.7	4203.2	4202.8
23	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.2	4204.0	4204.2	4203.7	4203.2	4202.8
24	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.5	4204.0	4204.2	4203.7	4203.2	4202.8
25	4202.1	4202.2	4202.4	4202.7	4203.0	4203.2	4203.5	4204.0	4204.2	4203.6	4203.2	4202.8
26	4202.1	4202.2	4202.4	4202.8	4203.0	4203.2	4203.5	4204.0	4204.2	4203.6	4203.1	4202.7
27	4202.1	4202.2	4202.4	4202.7	4203.1	4203.2	4203.5	4204.0	4204.2	4203.7	4203.1	4202.7
28	4202.2	4202.4	4202.4	4202.8	4203.1	4203.2	4203.5	4204.0	4204.2	4203.6	4203.1	4202.7
29	4202.1	4202.2	4202.4	4202.8	---	4203.2	4203.6	4204.0	4204.2	4203.6	4203.1	4202.7
30	4202.1	4202.2	4202.5	4202.8	---	4203.2	4203.6	4204.0	4204.2	4203.6	4203.2	4202.7
31	4202.2	---	4202.5	4202.8	---	4203.2	---	4204.1	---	4203.6	4203.0	---
MEAN	4202.1	4202.2	4202.4	4202.6	4202.9	4203.2	4203.3	4203.9	4204.2	4203.9	4203.3	4202.9
MAX	4202.2	4202.4	4202.5	4202.8	4203.1	4203.2	4203.6	4204.1	4204.2	4204.2	4203.5	4203.0
MIN	4202.0	4202.2	4202.2	4202.5	4202.8	4203.1	4203.2	4203.6	4204.0	4203.6	4203.0	4202.7

10010050 GREAT SALT LAKE AT PROMONTORY POINT, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.2	4200.1	4200.2	4200.5	4201.0	4201.6	4202.1	4202.6	4202.8	4203.2	4202.7	4202.2
2	4200.2	4200.1	4200.2	4200.5	4201.0	4201.6	4202.1	4202.6	4202.8	4203.2	4202.7	4202.1
3	4200.2	4200.1	4200.2	4200.5	4201.1	4201.6	4202.1	4202.6	4202.8	4203.2	4202.7	4202.1
4	4200.2	4200.1	4200.4	4200.5	4201.1	4201.6	4202.2	4202.6	4202.9	4203.2	4202.7	4202.1
5	4200.1	4200.1	4200.4	4200.5	4201.1	4201.6	4202.2	4202.7	4202.9	4203.2	4202.7	4202.2
6	4200.1	4200.2	4200.4	4200.6	4201.1	4201.6	4202.2	4202.7	4202.9	4203.2	4202.7	4202.2
7	4200.1	4200.2	4200.4	4200.6	4201.2	4201.6	4202.2	4202.7	4202.9	4203.2	4202.7	4202.2
8	4200.1	4200.1	4200.4	4200.6	4201.2	4201.7	4202.2	4202.7	4202.9	4203.2	4202.7	4202.1
9	4200.1	4200.1	4200.2	4200.6	4201.2	4201.7	4202.2	4202.7	4203.0	4203.1	4202.6	4202.2
10	4200.2	4200.2	4200.4	4200.6	4201.2	4201.8	4202.2	4202.8	4203.0	4203.1	4202.6	4202.1
11	4200.0	4200.1	4200.4	4200.7	4201.2	4201.8	4202.2	4202.8	4203.0	4203.1	4202.6	4202.1
12	4200.0	4200.2	4200.4	4200.7	4201.2	4201.8	4202.2	4202.8	4203.0	4203.1	4202.5	4202.2
13	4200.1	4200.2	4200.4	4200.7	4201.2	4201.8	4202.2	4202.8	4203.1	4203.1	4202.5	4202.1
14	4200.1	4200.2	4200.4	4200.7	4201.2	4201.8	4202.2	4202.7	4203.1	4203.1	4202.5	4202.1
15	4200.1	4200.2	4200.4	4200.8	4201.2	4201.8	4202.2	4202.7	4203.1	4203.0	4202.5	4202.1
16	4200.1	4200.2	4200.4	4200.8	4201.2	4201.8	4202.2	4202.7	4203.1	4203.0	4202.5	4202.1
17	4200.1	4200.2	4200.5	4200.8	4201.2	4201.8	4202.2	4202.7	4203.1	4203.0	4202.6	4202.1
18	4200.1	4200.2	4200.4	4200.8	4201.4	4201.8	4202.4	4202.7	4203.2	4203.0	4202.4	4202.1
19	4200.1	4200.2	4200.4	4200.9	4201.4	4201.8	4202.4	4202.8	4203.2	4203.0	4202.2	4202.1
20	4200.1	4200.2	4200.4	4200.8	4201.4	4201.8	4202.4	4202.8	4203.1	4203.0	4202.2	4202.0
21	4200.1	4200.2	4200.4	4200.9	4201.4	4201.8	4202.4	4202.8	4203.1	4203.0	4202.2	4202.1
22	4200.1	4200.2	4200.4	4200.9	4201.4	4201.8	4202.4	4202.8	4203.2	4202.9	4202.2	4202.1
23	4200.1	4200.2	4200.4	4200.9	4201.5	4201.9	4202.5	4202.8	4203.2	4202.9	4202.2	4202.0
24	4200.0	4200.2	4200.2	4200.9	4201.6	4201.8	4202.5	4202.8	4203.2	4202.9	4202.2	4202.1
25	4200.0	4200.2	4200.4	4201.0	4201.6	4201.9	4202.4	4202.8	4203.2	4202.9	4202.2	4202.1
26	4200.1	4200.2	4200.5	4201.0	4201.6	4201.9	4202.4	4202.9	4203.2	4202.9	4202.2	4202.0
27	4200.1	4200.2	4200.5	4201.0	4201.6	4201.9	4202.5	4202.8	4203.2	4202.8	4202.2	4202.1
28	4200.1	4200.2	4200.5	4201.0	4201.6	4202.1	4202.5	4202.8	4203.2	4202.8	4202.2	4202.1
29	4200.1	4200.2	4200.5	4201.0	---	4202.1	4202.5	4202.9	4203.2	4202.8	4202.2	4202.1
30	4200.2	4200.2	4200.5	4201.0	---	4202.0	4202.5	4202.8	4203.2	4202.8	4202.2	4202.1
31	4200.1	---	4200.5	4201.0	---	4202.1	---	4202.8	---	4202.8	4202.2	---
MEAN	4200.1	4200.2	4200.4	4200.8	4201.3	4201.8	4202.3	4202.7	4203.1	4203.0	4202.4	4202.1
MAX	4200.2	4200.2	4200.5	4201.0	4201.6	4202.1	4202.5	4202.9	4203.2	4203.2	4202.7	4202.2
MIN	4200.0	4200.1	4200.2	4200.5	4201.0	4201.6	4202.1	4202.6	4202.8	4202.8	4202.2	4202.0

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	4199.1	4199.7	4200.2	4200.4	4200.9	4201.2	4201.4	4200.9	4200.5
2	---	---	---	4199.2	4199.7	4200.2	4200.4	4200.9	4201.2	4201.2	4200.9	4200.5
3	---	---	---	4199.1	4199.8	4200.2	4200.6	4200.9	4201.2	4201.4	4200.9	4200.5
4	---	---	---	4199.2	4199.7	4200.2	4200.5	4201.0	4201.4	4201.2	4200.9	4200.5
5	---	---	---	4199.1	4199.8	4200.2	4200.5	4201.0	4201.2	4201.2	4200.9	4200.4
6	---	---	---	4199.2	4199.7	4200.2	4200.5	4201.0	4201.2	4201.2	4200.9	4200.4
7	---	---	---	4199.2	4199.8	4200.2	4200.6	4201.0	4201.2	4201.2	4200.9	4200.5
8	---	---	---	4199.2	4199.8	4200.2	4200.6	4201.0	4201.2	4201.2	4200.8	4200.4
9	---	---	---	4199.2	4199.8	4200.2	4200.5	4201.0	4201.4	4201.2	4200.8	4200.4
10	---	---	---	4199.2	4199.9	4200.2	4200.6	4201.0	4201.5	4201.2	4200.7	4200.4
11	---	---	---	4199.2	4199.9	4200.2	4200.6	4201.1	4201.5	4201.2	4200.8	4200.4
12	---	---	4198.8	4199.4	4199.9	4200.2	4200.6	4201.0	4201.5	4201.2	4200.8	4200.4
13	---	---	4198.8	4199.4	4199.9	4200.2	4200.7	4201.1	4201.4	4201.2	4200.8	4200.4
14	---	---	4198.8	4199.4	4199.9	4200.2	4200.7	4201.1	4201.5	4201.2	4200.8	4200.4
15	---	---	4198.9	4199.4	4200.0	4200.2	4200.7	4201.1	4201.5	4201.2	4200.8	4200.4
16	---	---	4198.7	4199.4	4200.0	4200.2	4200.7	4201.1	4201.6	4201.2	4200.7	4200.2
17	---	---	4198.8	4199.4	4200.0	4200.4	4200.7	4201.0	4201.6	4201.2	4200.7	4200.2
18	---	---	4198.8	4199.4	4200.0	4200.4	4200.7	4201.1	4201.6	4201.1	4200.7	4200.2
19	---	---	4198.8	4199.4	4200.1	4200.4	4200.7	4201.1	4201.6	4201.1	4200.7	4200.2
20	---	---	4198.9	4199.5	4200.0	4200.4	4200.7	4201.2	4201.6	4201.1	4200.7	4200.2
21	---	---	4198.9	4199.5	4200.0	4200.4	4200.7	4201.2	4201.5	4201.1	4200.7	4200.2
22	---	---	4198.9	4199.5	4200.0	4200.4	4200.7	4201.1	4201.6	4201.1	4200.7	4200.2
23	---	---	4198.9	4199.5	4200.0	4200.4	4200.7	4201.1	4201.4	4201.1	4200.7	4200.2
24	---	---	4199.0	4199.5	4200.0	4200.2	4200.7	4201.1	4201.5	4201.1	4200.6	4200.2
25	---	---	4199.0	4199.6	4200.1	4200.4	4200.8	4201.2	4201.5	4201.0	4200.6	4200.2
26	---	---	4199.1	4199.6	4200.1	4200.5	4200.8	4201.2	4201.5	4201.0	4200.6	4200.2
27	---	---	4199.1	4199.6	4200.1	4200.4	4200.8	4201.2	4201.6	4201.0	4200.6	4200.2
28	---	---	4199.1	4199.6	4200.0	4200.4	4200.8	4201.2	4201.5	4201.0	4200.6	4200.2
29	---	---	4199.1	4199.7	---	4200.5	4200.8	4201.2	4201.5	4201.0	4200.5	4200.2
30	---	---	4199.1	4199.7	---	4200.5	4200.8	4201.2	4201.5	4201.0	4200.5	4200.2
31	---	---	4199.1	4199.7	---	4200.6	---	4201.2	---	4201.0	4200.5	---
MEAN	---	---	4198.9	4199.4	4199.9	4200.3	4200.7	4201.1	4201.4	4201.1	4200.7	4200.3
MAX	---	---	4199.1	4199.7	4200.1	4200.6	4200.8	4201.2	4201.6	4201.4	4200.9	4200.5
MIN	---	---	4198.7	4199.1	4199.7	4200.2	4200.4	4200.9	4201.2	4201.0	4200.5	4200.2

10010050 GREAT SALT LAKE AT PROMONTORY POINT, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.2	4198.4	4198.4	4198.6	4198.8	4199.0	4199.8	4200.0	4200.5	4200.4	4200.1	4199.7
15	4198.4	4198.4	4198.5	4198.8	4198.9	4199.3	4199.9	4200.3	4200.5	4200.3	4199.9	4199.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.0	4199.0	4199.1	4199.4	4199.6	4199.8	4199.9	4200.0	4200.0	4199.9	4199.2	4198.6
15	4198.9	4199.0	4199.3	4199.5	4199.8	4199.9	4200.0	4199.9	4200.0	4199.6	4198.9	4198.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.6	4197.6	4197.6	4197.8	4198.4	4199.1	4199.4	4199.6	4200.3	4200.5	4200.0	4199.2
15	4197.6	4197.6	4197.8	4198.0	4198.4	4199.3	4199.4	4200.0	4200.6	4200.3	4199.6	4199.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.4	4198.4	4198.6	4198.8	4198.9	4199.3	4199.8	4200.0	4199.8	4199.3	4198.6	4198.1
15	4198.3	4198.5	4198.7	4198.8	4199.0	4199.6	4200.0	4200.0	4199.6	4198.9	4198.4	4197.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.9	4198.8	4198.8	4199.0	4199.3	4199.8	4200.1	4200.4	4200.3	4200.1	4199.3	4198.8
15	4198.9	4198.8	4198.9	4199.1	4199.5	4199.8	4200.2	4200.5	4200.3	4199.8	4199.1	4198.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.5	4200.5	4200.5	4200.6	4200.8	4200.9	4201.0	4200.9	4200.8	4200.4	4199.8	4199.3
15	4200.5	4200.5	4200.6	4200.7	4200.8	4200.9	4200.9	4200.7	4200.8	4200.0	4199.5	4199.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.2	4200.4	4200.6	4200.9	4201.1	4201.5	4202.0	4202.4	4202.5	4202.0	4201.4	4200.9
15	4200.2	4200.5	4200.7	4201.0	4201.4	4201.7	4202.2	4202.5	4202.3	4201.8	4201.1	4200.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.5	4199.5	4199.6	4199.9	4200.0	4200.2	4200.8	4201.2	4201.8	4201.9	4201.4	4200.6
15	4199.5	4199.6	4199.8	4199.9	4200.1	4200.5	4201.0	4201.5	4201.9	4201.8	4201.0	4200.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.5	4199.5	4199.8	4199.9	4200.2	4200.5	4201.0	4201.5	4201.6	4201.2	4200.6	4199.9
15	4199.5	4199.5	4199.8	4200.0	4200.4	4200.9	4201.4	4201.5	4201.6	4200.9	4200.1	4199.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.1	4198.4	4198.8	4199.0	4199.2	4199.8	4200.5	4200.6	4200.8	4200.4	4200.0	4199.5
15	4198.2	4198.6	4198.8	4199.0	4199.5	4200.1	4200.5	4200.8	4200.6	4200.2	4199.8	4199.5

10010050 GREAT SALT LAKE AT PROMONTORY POINT, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.1	4197.5	4197.9	4198.2	4198.6	4199.0	4199.4	4199.9	4199.8	4199.5	4198.9	4198.4
15	4197.2	4197.6	4198.0	4198.2	4198.8	4199.2	4199.5	4199.9	4199.8	4199.2	4198.8	4198.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4195.1	4195.2	4195.6	4196.0	4196.5	4197.0	4197.2	4197.9	4198.2	4198.2	4197.9	4197.4
15	4195.1	4195.4	4195.9	4196.1	4196.8	4197.1	4197.4	4198.1	4198.4	4198.1	4197.5	4197.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4195.5	4195.5	4195.8	4195.9	4196.5	4196.6	4196.5	4196.5	4196.6	4196.5	4196.0	4195.4
15	4195.2	4195.6	4195.8	4196.0	4196.6	4196.6	4196.5	4196.6	4196.6	4196.2	4195.8	4195.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4194.5	4194.8	4194.9	4195.2	4195.9	4196.4	4197.0	4197.4	4197.2	4196.9	4196.5	4195.9
15	4194.5	4194.8	4195.0	4195.2	4196.0	4196.6	4197.2	4197.4	4197.0	4196.8	4196.2	4195.6

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'19", long 112°29'46", in NE¼NE¼NW¼ 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. WDR UT-96-1: 1990-95. WDR UT-2001-1: 1966-2000.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage since August 1, 1996 is 4,186.95 ft above sea level. April 1966 to August 1, 1996 at datum 4,190.05 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. Records revised because of revision of +0.25 ft to the Benchmarks from the 1999 NGS survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,211.20 ft, Apr 7-29, 1987; minimum, 4,192.90 ft, Oct 15, Nov 1, 1966.

Date	Temperature Water (Deg. C)	Specific Gravity (20.0°C)	Percent Salinity
Nov 21, 2000.....	6.0	1.216	28.2
Jan 9, 2001.....	-3.0	1.153	21.1
Apr 5.....	11.0	1.198	26.3
May 9.....	24.5	1.182	24.4
Jun 21.....	27.5	1.203	26.8
Sep 5.....	22.5	1.212	27.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.7	4200.7	4200.5	4200.6	4200.7	4200.8	4200.9	4201.0	4200.5	4200.2	4199.6	4199.1
2	4200.7	4200.6	4200.5	4200.6	4200.7	4200.8	4201.0	4201.0	4200.6	4200.2	4199.6	4199.1
3	4200.7	4200.6	4200.5	4200.6	4200.7	4200.9	4201.0	4200.8	4200.7	4200.2	4199.5	4199.1
4	4200.7	4200.6	4200.5	4200.6	4200.7	4200.8	4200.9	4200.8	4200.5	4200.2	4199.5	4199.1
5	4200.7	4200.6	4200.5	4200.6	4200.7	4200.8	4200.9	4200.8	4200.5	4200.2	4199.6	4199.0
6	4200.6	4200.6	4200.5	4200.6	4200.8	4200.8	4200.9	4200.8	4200.5	4200.1	4199.6	4199.2
7	4200.6	4200.6	4200.5	4200.6	4201.0	4200.9	4200.9	4200.8	4200.5	4200.1	4199.5	4199.1
8	4200.6	4200.5	4200.5	4200.6	4200.8	4200.9	4201.0	4200.8	4200.4	4200.1	4199.5	4199.0
9	4200.6	4200.5	4200.5	4200.7	4200.7	4200.9	4201.0	4200.8	4200.4	4200.1	4199.6	4198.9
10	4200.5	4200.6	4200.6	4200.7	4200.7	4201.1	4201.1	4200.8	4200.4	4200.0	4199.5	4198.9
11	4200.6	4200.6	4200.6	4200.5	4200.7	4201.0	4200.9	4200.8	4200.5	4200.0	4199.5	4198.9
12	4200.6	4200.6	4200.6	4200.7	4200.7	4200.9	4201.0	4200.7	4200.5	4200.0	4199.5	4199.0
13	4200.6	4200.5	4200.6	4200.7	4200.8	4200.8	4200.9	4200.7	4200.4	4200.0	4199.4	4198.9
14	4200.6	4200.5	4200.6	4200.7	4200.8	4201.1	4200.9	4200.7	4200.3	4199.9	4199.4	4198.9
15	4200.6	4200.5	4200.8	4200.8	4200.7	4200.8	4200.9	4200.8	4200.4	4200.0	4199.4	4198.9
16	4200.6	4200.5	4200.6	4200.8	4200.7	4201.0	4200.9	4200.8	4200.4	4200.0	4199.4	4198.9
17	4200.6	4200.5	4200.8	4200.7	4200.7	4200.9	4200.9	4200.8	4200.4	4200.0	4199.4	4198.9
18	4200.6	4200.5	4200.6	4200.6	4200.7	4200.8	4200.9	4200.8	4200.4	4199.9	4199.4	4198.8
19	4200.6	4200.5	4200.5	4200.6	4200.7	4200.8	4200.9	4200.8	4200.4	4199.9	4199.4	4198.8
20	4200.6	4200.5	4200.5	4200.6	4200.7	4200.9	4201.1	4200.9	4200.3	4199.9	4199.2	4198.8
21	4200.7	4200.5	4200.6	4200.6	4200.8	4200.9	4201.0	4200.7	4200.3	4199.8	4199.1	4198.8
22	4200.7	4200.5	4200.6	4200.6	4200.8	4200.9	4201.1	4200.7	4200.3	4199.9	4199.2	4198.8
23	4200.6	4200.5	4200.6	4200.7	4200.9	4200.9	4200.9	4200.6	4200.2	4199.9	4199.2	4198.8
24	4200.5	4200.5	4200.6	4200.7	4200.9	4200.9	4200.9	4200.6	4200.3	4199.8	4199.2	4198.8
25	4200.5	4200.5	4200.8	4200.7	4200.8	4200.9	4200.9	4200.6	4200.3	4199.8	4199.2	4198.7
26	4200.5	4200.5	4200.6	4200.7	4200.8	4201.0	4200.9	4200.7	4200.2	4199.7	4199.2	4198.8
27	4200.5	4200.5	4200.6	4200.8	4200.9	4201.0	4200.9	4200.6	4200.2	4199.7	4199.2	4198.7
28	4200.5	4200.5	4200.6	4200.8	4200.9	4201.0	4200.9	4200.7	4200.2	4199.7	4199.2	4198.8
29	4200.5	4200.6	4200.6	4200.7	---	4201.0	4200.9	4200.7	4200.2	4199.7	4199.2	4198.8
30	4200.7	4200.6	4200.6	4200.7	---	4201.0	4200.9	4200.6	4200.2	4199.8	4199.2	4198.7
31	4200.9	---	4200.6	4200.7	---	4200.9	---	4200.6	---	4199.7	4199.1	---
MEAN	4200.6	4200.5	4200.6	4200.7	4200.8	4200.9	4200.9	4200.8	4200.4	4200.0	4199.4	4198.9
MAX	4200.9	4200.7	4200.8	4200.8	4201.0	4201.1	4201.1	4201.0	4200.7	4200.2	4199.6	4199.2
MIN	4200.5	4200.5	4200.5	4200.5	4200.7	4200.8	4200.9	4200.6	4200.2	4199.7	4199.1	4198.7

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

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	4202.2	4202.0	4202.0	4202.0	4202.2	4202.7	4202.8	4202.8	4202.6	4202.1	4201.6	4201.1
2	4202.1	4201.9	4202.0	4202.0	4202.2	4202.7	4202.7	4202.8	4202.6	4202.1	4201.6	4201.2
3	4202.1	4201.9	4202.1	4202.1	4202.2	4202.7	4202.7	4202.8	4202.6	4202.1	4201.6	4201.2
4	4202.1	4201.9	4201.9	4202.0	4202.2	4202.7	4202.7	4202.8	4202.6	4202.1	4201.6	4201.1
5	4202.1	4201.9	4201.9	4202.1	4202.2	4202.6	4202.8	4203.0	4202.6	4202.0	4201.6	4201.2
6	4202.2	4201.9	4201.9	4202.0	4202.2	4202.7	4202.8	4202.8	4202.5	4202.1	4201.5	4201.1
7	4202.2	4201.9	4202.0	4202.0	4202.2	4202.7	4202.8	4202.9	4202.5	4202.0	4201.5	4201.1
8	4202.1	4201.9	4202.0	4202.0	4202.2	4202.6	4202.8	4202.8	4202.5	4201.9	4201.4	4201.0
9	4202.1	4201.9	4201.9	4202.1	4202.2	4202.8	4202.8	4202.8	4202.6	4201.9	4201.5	4201.1
10	4202.1	4201.9	4202.0	4202.0	4202.2	4202.7	4202.9	4202.8	4202.4	4201.9	4201.4	4201.0
11	4202.1	4201.9	4201.9	4202.1	4202.2	4202.7	4202.8	4202.9	4202.5	4201.9	4201.5	4201.0
12	4202.1	4201.9	4201.9	4202.1	4202.5	4202.7	4202.8	4202.7	4202.5	4201.9	4201.4	4201.0
13	4202.1	4201.9	4202.1	4202.1	4202.4	4202.7	4202.8	4202.7	4202.5	4201.9	4201.4	4201.0
14	4202.1	4201.9	4202.0	4202.1	4202.5	4202.7	4202.9	4202.7	4202.4	4201.9	4201.4	4201.0
15	4202.2	4201.9	4201.9	4202.1	4202.5	4202.9	4202.8	4202.7	4202.6	4201.9	4201.2	4201.0
16	4202.2	4201.9	4201.9	4202.1	4202.4	4202.8	4202.8	4202.6	4202.5	4201.9	4201.2	4200.9
17	4202.0	4202.1	4201.9	4202.1	4202.6	4202.9	4202.8	4202.7	4202.2	4202.0	4201.2	4201.0
18	4202.0	4202.1	4202.0	4202.1	4202.5	4202.8	4202.8	4202.7	4202.2	4201.8	4201.1	4200.9
19	4202.0	4201.9	4202.0	4202.2	4202.4	4202.8	4202.8	4202.7	4202.4	4201.8	4201.2	4201.0
20	4202.0	4201.9	4202.0	4202.2	4202.5	4203.0	4202.8	4202.7	4202.2	4201.8	4201.2	4201.0
21	4202.0	4202.0	4202.0	4202.2	4202.4	4202.8	4202.8	4202.7	4202.2	4201.8	4201.2	4200.9
22	4202.0	4202.0	4202.0	4202.2	4202.5	4202.7	4202.9	4202.7	4202.2	4201.8	4201.2	4201.0
23	4202.0	4201.9	4202.0	4202.2	4202.4	4202.7	4202.9	4202.7	4202.2	4201.8	4201.1	4201.0
24	4202.0	4201.9	4202.0	4202.2	4202.7	4202.7	4202.8	4202.7	4202.2	4201.8	4201.1	4200.8
25	4202.0	4201.9	4202.0	4202.2	4202.7	4202.7	4202.8	4202.7	4202.2	4201.7	4201.2	4200.8
26	4202.0	4201.9	4202.0	4202.2	4202.6	4202.7	4202.9	4202.7	4202.2	4201.7	4201.1	4200.8
27	4202.0	4201.9	4202.0	4202.4	4202.6	4202.8	4202.8	4202.6	4202.2	4201.7	4201.1	4200.8
28	4202.1	4201.9	4202.0	4202.2	4202.6	4202.9	4203.0	4202.7	4202.2	4201.7	4201.1	4200.8
29	4202.0	4201.9	4202.0	4202.2	4202.7	4202.8	4202.9	4202.7	4202.2	4201.7	4201.1	4200.8
30	4201.9	4201.9	4202.0	4202.2	---	4203.0	4202.8	4202.7	4202.1	4201.7	4201.2	4200.8
31	4201.9	---	4202.0	4202.2	---	4202.9	---	4202.8	---	4201.6	4201.2	---
MEAN	4202.1	4201.9	4202.0	4202.1	4202.4	4202.8	4202.8	4202.7	4202.4	4201.9	4201.3	4201.0
MAX	4202.2	4202.1	4202.1	4202.4	4202.7	4203.0	4203.0	4203.0	4202.6	4202.1	4201.6	4201.2
MIN	4201.9	4201.9	4201.9	4202.0	4202.2	4202.6	4202.7	4202.6	4202.1	4201.6	4201.1	4200.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.7	4201.6	4201.7	4201.8	4202.2	4202.5	4202.7	4202.9	4203.1	4203.2	4202.9	4202.7
2	4201.7	4201.7	4201.7	4201.9	4202.2	4202.4	4202.7	4202.9	4203.0	4203.4	4202.9	4202.6
3	4201.7	4201.7	4201.7	4201.9	4202.2	4202.5	4202.7	4203.0	4203.2	4203.4	4203.0	4202.6
4	4201.8	4201.6	4201.9	4201.9	4202.2	4202.6	4202.7	4203.2	4203.2	4203.4	4202.9	4202.5
5	4201.7	4201.6	4201.8	4201.9	4202.2	4202.5	4202.7	4203.0	4203.2	4203.2	4202.9	4202.4
6	4201.7	4201.7	4201.8	4201.9	4202.2	4202.5	4202.7	4202.9	4203.2	4203.2	4202.8	4202.4
7	4201.7	4201.6	4201.7	4201.9	4202.2	4202.6	4202.7	4203.0	4203.2	4203.2	4202.8	4202.4
8	4201.7	4201.7	4201.8	4202.0	4202.2	4202.5	4202.7	4203.1	4203.4	4203.2	4202.9	4202.4
9	4201.7	4201.7	4201.9	4201.9	4202.2	4202.5	4202.9	4203.1	4203.4	4203.2	4202.8	4202.4
10	4201.8	4201.7	4201.8	4201.9	4202.5	4202.5	4202.7	4203.0	4203.2	4203.2	4202.9	4202.4
11	4201.7	4201.6	4201.7	4201.9	4202.2	4202.6	4202.7	4202.9	4203.2	4203.2	4202.8	4202.4
12	4201.7	4201.6	4201.7	4202.0	4202.2	4202.6	4202.7	4202.9	4203.2	4203.2	4202.8	4202.4
13	4201.7	4201.6	4201.7	4202.0	4202.2	4202.5	4202.8	4203.0	4203.2	4203.2	4202.8	4202.4
14	4201.7	4201.6	4201.8	4202.0	4202.2	4202.5	4203.0	4203.0	4203.4	4203.1	4202.8	4202.4
15	4201.8	4201.6	4201.8	4201.9	4202.2	4202.5	4202.8	4203.1	4203.4	4203.2	4202.9	4202.2
16	4201.8	4201.6	4201.8	4202.0	4202.2	4202.6	4202.7	4203.0	4203.2	4203.0	4202.8	4202.2
17	4201.6	4201.7	4201.8	4202.0	4202.4	4202.6	4202.7	4203.0	4203.4	4203.1	4202.8	4202.2
18	4201.6	4201.7	4201.9	4202.0	4202.4	4202.6	4202.7	4203.0	4203.2	4203.1	4202.7	4202.2
19	4201.6	4201.7	4202.0	4202.0	4202.4	4202.6	4202.7	4203.0	4203.4	4203.1	4202.7	4202.2
20	4201.6	4201.6	4201.9	4202.0	4202.4	4202.5	4202.7	4203.0	4203.4	4203.1	4202.6	4202.2
21	4201.6	4201.7	4201.9	4202.2	4202.5	4202.6	4202.8	4203.1	4203.4	4203.1	4202.7	4202.2
22	4201.6	4201.7	4201.8	4202.1	4202.4	4202.6	4202.8	4203.2	4203.4	4203.1	4202.7	4202.2
23	4201.6	4201.7	4201.8	4202.1	4202.4	4202.6	4202.6	4203.1	4203.4	4203.1	4202.7	4202.2
24	4201.5	4201.8	4201.8	4202.2	4202.4	4202.6	4202.7	4203.1	4203.4	4203.1	4202.7	4202.2
25	4201.5	4201.7	4201.8	4202.2	4202.5	4202.6	4202.7	4203.0	4203.5	4203.1	4202.6	4202.2
26	4201.6	4201.7	4201.8	4202.2	4202.5	4202.6	4202.8	4203.1	4203.4	4203.1	4202.6	4202.2
27	4201.6	4201.7	4201.8	4202.2	4202.4	4202.7	4202.7	4203.1	4203.4	4203.0	4202.6	4202.2
28	4201.6	4201.7	4201.8	4202.2	4202.4	4202.6	4202.9	4203.1	4203.4	4203.0	4202.6	4202.2
29	4201.7	4201.7	4201.8	4202.2	---	4202.6	4202.9	4203.2	4203.2	4203.0	4202.6	4202.2
30	4201.8	4201.7	4201.8	4202.2	---	4202.7	4202.9	4203.2	4203.2	4203.0	4202.5	4202.1
31	4201.7	---	4201.8	4202.2	---	4202.8	---	4203.1	---	4202.9	4202.7	---
MEAN	4201.7	4201.7	4201.8	4202.0	4202.3	4202.6	4202.8	4203.0	4203.3	4203.1	4202.8	4202.3
MAX	4201.8	4201.8	4202.0	4202.2	4202.5	4202.8	4203.0	4203.2	4203.5	4203.4	4203.0	4202.7
MIN	4201.5	4201.6	4201.7	4201.8	4202.2	4202.4	4202.6	4202.9	4203.0	4202.9	4202.5	4202.1

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.0	4198.9	4199.2	4199.2	4199.8	4200.2	4200.8	4201.2	4201.7	4202.2	4202.1	4201.8
2	4199.0	4198.9	4199.2	4199.2	4199.7	4200.2	4200.9	4201.2	4201.8	4202.1	4202.0	4201.8
3	4199.0	4198.9	4199.2	4199.2	4199.7	4200.4	4200.8	4201.2	4201.9	4202.0	4202.0	4201.8
4	4199.0	4198.9	4199.2	4199.4	4199.7	4200.4	4200.8	4201.2	4201.9	4202.1	4202.0	4201.8
5	4199.1	4199.0	4199.1	4199.5	4199.9	4200.4	4200.9	4201.2	4201.8	4202.0	4202.0	4201.8
6	4199.0	4199.0	4199.2	4199.4	4199.8	4200.6	4200.9	4201.2	4201.8	4202.1	4202.0	4201.8
7	4199.2	4199.0	4199.2	4199.4	4199.8	4200.5	4201.0	4201.2	4201.8	4202.1	4202.0	4201.8
8	4198.9	4199.1	4199.4	4199.4	4199.8	4200.4	4201.0	4201.4	4201.8	4202.2	4202.0	4201.8
9	4198.9	4199.0	4199.4	4199.4	4199.9	4200.4	4201.0	4201.4	4201.9	4202.1	4202.0	4201.7
10	4198.9	4199.0	4199.2	4199.4	4199.9	4200.4	4200.9	4201.5	4201.9	4202.1	4201.9	4201.7
11	4199.0	4199.0	4199.2	4199.5	4199.9	4200.4	4201.0	4201.5	4201.9	4202.1	4202.0	4201.8
12	4199.1	4199.0	4199.2	4199.5	4200.0	4200.5	4201.1	4201.4	4201.9	4202.1	4202.0	4201.8
13	4198.9	4199.0	4199.2	4199.5	4200.0	4200.5	4201.0	4201.4	4201.8	4202.1	4202.0	4201.8
14	4198.9	4199.0	4199.2	4199.5	4199.9	4200.5	4201.1	4201.5	4202.1	4202.1	4202.0	4201.8
15	4198.9	4199.0	4199.2	4199.5	4200.1	4200.5	4201.2	4201.5	4202.0	4202.1	4202.0	4201.8
16	4198.9	4199.0	4199.2	4199.5	4200.1	4200.5	4201.2	4201.5	4202.1	4202.1	4201.9	4201.8
17	4198.9	4199.0	4199.2	4199.6	4200.1	4200.6	4201.2	4201.6	4202.1	4202.1	4201.8	4201.8
18	4198.9	4199.0	4199.2	4199.6	4200.1	4200.6	4201.1	4201.6	4201.9	4202.1	4201.8	4201.8
19	4199.0	4199.0	4199.4	4199.8	4200.1	4200.6	4201.1	4201.5	4202.1	4202.1	4201.8	4201.8
20	4199.0	4199.1	4199.2	4199.7	4200.1	4200.6	4201.2	4201.5	4202.0	4202.1	4201.8	4201.7
21	4199.0	4199.1	4199.4	4199.6	4200.1	4200.6	4201.2	4201.7	4202.0	4202.1	4201.8	4201.7
22	4199.0	4199.1	4199.4	4199.6	4200.2	4200.6	4201.2	4201.6	4202.1	4202.1	4201.9	4201.7
23	4199.1	4199.1	4199.2	4199.6	4200.1	4200.7	4201.1	4201.6	4202.1	4202.0	4201.9	4201.7
24	4199.2	4199.1	4199.5	4199.7	4200.2	4200.7	4201.2	4201.7	4202.0	4202.0	4201.9	4201.7
25	4199.0	4199.1	4199.4	4199.7	4200.2	4200.8	4201.2	4201.6	4202.1	4202.1	4201.8	4201.7
26	4198.9	4199.1	4199.2	4199.7	4200.4	4200.8	4201.4	4201.7	4202.2	4202.1	4201.8	4201.7
27	4198.9	4199.2	4199.2	4199.7	4200.2	4200.8	4201.2	4201.7	4202.1	4202.1	4201.8	4201.7
28	4198.9	4199.1	4199.2	4199.7	4200.2	4200.7	4201.2	4201.7	4202.1	4202.1	4201.8	4201.7
29	4198.9	4199.1	4199.2	4199.7	---	4200.8	4201.2	4201.7	4202.1	4202.0	4201.8	4201.7
30	4198.9	4199.1	4199.2	4199.8	---	4200.9	4201.2	4201.8	4202.1	4202.0	4201.8	4201.8
31	4199.1	---	4199.2	4199.8	---	4200.8	---	4201.8	---	4202.0	4201.8	---
MEAN	4199.0	4199.0	4199.2	4199.5	4200.0	4200.6	4201.1	4201.5	4202.0	4202.1	4201.9	4201.8
MAX	4199.2	4199.2	4199.5	4199.8	4200.4	4200.9	4201.4	4201.8	4202.2	4202.2	4202.1	4201.8
MIN	4198.9	4198.9	4199.1	4199.2	4199.7	4200.2	4200.8	4201.2	4201.7	4202.0	4201.8	4201.7

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.2	4197.1	4197.2	4197.4	4197.8	4198.0	4198.4	4198.8	4198.9	4199.0	4198.9	4198.8
2	4197.2	4197.1	4197.2	4197.4	4197.8	4198.1	4198.2	4198.6	4198.9	4199.0	4199.0	4198.9
3	4197.2	4197.1	4197.2	4197.6	4197.9	4198.1	4198.2	4198.6	4198.7	4199.0	4198.9	4199.0
4	4197.2	4197.1	4197.2	4197.5	4197.8	4198.1	4198.4	4198.6	4198.9	4199.0	4198.9	4199.0
5	4197.2	4197.2	4197.2	4197.6	4198.0	4198.1	4198.4	4198.6	4198.9	4198.9	4199.0	4199.0
6	4197.2	4197.1	4197.2	4197.5	4198.0	4198.1	4198.2	4198.7	4199.0	4199.0	4199.0	4198.9
7	4197.2	4197.1	4197.2	4197.5	4197.8	4198.1	4198.2	4198.7	4198.9	4199.0	4199.0	4198.9
8	4197.2	4197.1	4197.2	4197.5	4197.8	4198.2	4198.2	4198.7	4198.9	4199.0	4199.0	4199.0
9	4197.2	4197.1	4197.2	4197.5	4197.8	4198.1	4198.2	4198.7	4198.9	4198.9	4199.0	4199.0
10	4197.2	4197.1	4197.2	4197.5	4197.8	4198.1	4198.2	4198.7	4198.9	4199.1	4199.0	4199.0
11	4197.2	4197.1	4197.2	4197.7	4197.9	4198.1	4198.2	4198.7	4198.9	4199.0	4199.0	4199.0
12	4197.2	4197.1	4197.2	4197.6	4197.9	4198.2	4198.2	4198.7	4198.9	4199.1	4198.9	4199.0
13	4197.2	4197.1	4197.4	4197.6	4197.9	4198.2	4198.2	4198.7	4198.9	4199.0	4199.0	4198.9
14	4197.2	4197.2	4197.4	4197.6	4197.8	4198.2	4198.2	4198.7	4199.0	4199.0	4199.0	4198.9
15	4197.2	4197.2	4197.2	4197.6	4197.9	4198.2	4198.4	4198.7	4199.0	4199.0	4199.0	4199.0
16	4197.2	4197.1	4197.4	4197.6	4197.9	4198.2	4198.4	4198.7	4199.0	4199.0	4199.0	4198.9
17	4197.2	4197.1	4197.2	4197.6	4197.9	4198.2	4198.4	4198.8	4199.0	4199.1	4199.0	4198.9
18	4197.1	4197.1	4197.2	4197.6	4198.0	4198.2	4198.4	4198.8	4199.0	4199.2	4198.9	4199.0
19	4197.2	4197.1	4197.2	4197.6	4197.9	4198.2	4198.5	4198.8	4199.0	4199.1	4199.0	4198.9
20	4197.2	4197.1	4197.2	4197.6	4198.0	4198.2	4198.5	4198.6	4199.1	4199.0	4198.9	4198.9
21	4197.1	4197.1	4197.2	4197.6	4198.0	4198.2	4198.5	4198.7	4199.0	4199.0	4198.9	4198.9
22	4197.1	4197.2	4197.2	4197.6	4198.1	4198.2	4198.5	4198.7	4199.2	4199.0	4198.9	4199.0
23	4197.1	4197.2	4197.2	4197.7	4198.1	4198.2	4198.5	4198.7	4199.2	4199.0	4198.9	4199.0
24	4197.1	4197.2	4197.2	4197.7	4198.0	4198.6	4198.7	4198.8	4199.0	4199.0	4199.0	4199.0
25	4197.2	4197.2	4197.2	4197.7	4198.0	4198.2	4198.6	4198.9	4199.0	4199.0	4199.0	4199.0
26	4197.2	4197.2	4197.2	4197.7	4198.0	4198.2	4198.5	4198.8	4198.9	4199.0	4198.9	4198.9
27	4197.2	4197.2	4197.2	4197.8	4198.1	4198.4	4198.5	4198.8	4198.9	4199.0	4198.9	4199.0
28	4197.2	4197.2	4197.4	4197.7	4198.2	4198.2	4198.6	4198.8	4198.9	4199.0	4198.9	4199.0
29	4197.1	4197.4	4197.4	4197.8	---	4198.2	4198.8	4198.8	4198.9	4199.0	4199.0	4199.0
30	4197.1	4197.2	4197.4	4197.8	---	4198.2	4198.7	4198.8	4199.1	4199.0	4199.0	4199.0
31	4197.2	---	4197.4	4197.8	---	4198.2	---	4198.8	---	4198.9	4198.9	---
MEAN	4197.2	4197.1	4197.2	4197.6	4197.9	4198.2	4198.4	4198.7	4199.0	4199.0	4199.0	4199.0
MAX	4197.2	4197.4	4197.4	4197.8	4198.2	4198.6	4198.8	4198.9	4199.2	4199.2	4199.0	4199.0
MIN	4197.1	4197.1	4197.2	4197.4	4197.8	4198.0	4198.2	4198.6	4198.7	4198.9	4198.9	4198.8

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.4	4197.2	4197.2	4197.4	4197.6	4197.8	4198.0	4198.2	4198.2	4198.1	4197.9	4197.5
2	4197.4	4197.2	4197.2	4197.2	4197.6	4197.8	4198.2	4198.2	4198.2	4198.1	4197.9	4197.5
3	4197.5	4197.1	4197.2	4197.2	4197.6	4197.8	4198.1	4198.2	4198.2	4198.1	4198.0	4197.5
4	4197.6	4197.2	4197.2	4197.4	4197.6	4197.8	4198.1	4198.2	4198.2	4198.1	4197.9	4197.5
5	4197.4	4197.1	4197.2	4197.4	4197.6	4198.0	4198.1	4198.2	4198.2	4198.1	4197.9	4197.5
6	4197.2	4197.1	4197.2	4197.4	4197.6	4197.9	4198.1	4198.2	4198.2	4198.1	4197.9	4197.4
7	4197.4	4197.1	4197.4	4197.4	4197.6	4197.9	4198.1	4198.1	4198.2	4198.1	4197.8	4197.4
8	4197.2	4197.1	4197.2	4197.4	4197.6	4197.9	4198.1	4198.2	4198.2	4198.1	4197.8	4197.4
9	4197.2	4197.2	4197.2	4197.4	4197.7	4197.9	4198.1	4198.1	4198.2	4198.0	4197.8	4197.4
10	4197.2	4197.4	4197.2	4197.4	4197.7	4197.9	4198.2	4198.1	4198.2	4198.0	4197.8	4197.4
11	4197.2	4197.2	4197.2	4197.4	4197.7	4198.0	4198.1	4198.1	4198.4	4198.0	4197.7	4197.2
12	4197.4	4197.2	4197.2	4197.4	4197.7	4198.0	4198.2	4198.1	4198.2	4198.0	4197.8	4197.2
13	4197.2	4197.2	4197.2	4197.4	4197.7	4198.0	4198.2	4198.2	4198.2	4198.0	4197.8	4197.2
14	4197.2	4197.2	4197.2	4197.4	4197.7	4198.0	4198.1	4198.2	4198.2	4198.0	4197.8	4197.4
15	4197.2	4197.2	4197.2	4197.4	4197.7	4198.0	4198.0	4198.2	4198.2	4198.0	4197.8	4197.4
16	4197.2	4197.2	4197.5	4197.4	4197.7	4198.1	4198.0	4198.2	4198.2	4198.0	4197.7	4197.4
17	4197.2	4197.2	4197.5	4197.7	4197.7	4198.1	4198.1	4198.2	4198.2	4198.0	4197.7	4197.4
18	4197.2	4197.2	4197.2	4197.4	4197.7	4198.0	4198.2	4198.1	4198.4	4198.0	4197.7	4197.2
19	4197.2	4197.2	4197.2	4197.6	4197.7	4198.0	4198.1	4198.2	4198.2	4198.1	4197.7	4197.2
20	4197.2	4197.2	4197.4	4197.5	4197.7	4198.0	4198.2	4198.2	4198.2	4198.0	4197.7	4197.2
21	4197.4	4197.2	4197.4	4197.5	4197.6	4198.0	4198.1	4198.2	4198.2	4198.0	4197.7	4197.2
22	4197.2	4197.2	4197.2	4197.6	4197.9	4198.0	4198.1	4198.2	4198.2	4198.0	4197.6	4197.4
23	4197.2	4197.2	4197.2	4197.5	4197.8	4198.1	4198.1	4198.2	4198.1	4198.0	4197.6	4197.4
24	4197.2	4197.2	4197.2	4197.5	4197.9	4198.0	4198.2	4198.2	4198.2	4198.0	4197.6	4197.2
25	4197.2	4197.2	4197.4	4197.6	4197.9	4198.0	4198.1	4198.1	4198.2	4198.0	4197.6	4197.4
26	4197.2	4197.5	4197.4	4197.6	4198.1	4198.0	4198.1	4198.1	4198.1	4198.0	4197.6	4197.4
27	4197.2	4197.2	4197.2	4197.5	4197.8	4198.0	4198.2	4198.2	4198.1	4197.9	4197.6	4197.2
28	4197.2	4197.2	4197.4	4197.7	4197.8	4198.0	4198.2	4198.2	4198.2	4197.9	4197.6	4197.2
29	4197.2	4197.2	4197.2	4197.5	4197.8	4198.0	4198.1	4198.2	4198.1	4197.9	4197.6	4197.2
30	4197.2	4197.2	4197.2	4197.5	---	4198.0	4198.1	4198.2	4198.1	4197.9	4197.5	4197.2
31	4197.2	---	4197.5	4197.6	---	4198.0	---	4198.2	---	4198.0	4197.5	---
MEAN	4197.3	4197.2	4197.3	4197.5	4197.7	4198.0	4198.1	4198.2	4198.2	4198.0	4197.7	4197.3
MAX	4197.6	4197.5	4197.5	4197.7	4198.1	4198.1	4198.2	4198.2	4198.4	4198.1	4198.0	4197.5
MIN	4197.2	4197.1	4197.2	4197.2	4197.6	4197.8	4198.0	4198.1	4198.1	4197.9	4197.5	4197.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.9	4196.9	4197.0	4197.1	4197.4	4197.6	4197.7	4197.7	4198.1	4198.2	4198.1	4197.6
2	4197.0	4196.9	4197.0	4197.1	4197.4	4197.6	4197.8	4197.8	4198.1	4198.2	4198.1	4197.6
3	4197.0	4197.0	4197.0	4197.1	4197.4	4197.5	4197.7	4197.8	4198.1	4198.5	4198.1	4197.7
4	4196.9	4196.8	4196.9	4197.1	4197.4	4197.7	4197.7	4197.7	4198.1	4198.2	4198.1	4197.8
5	4197.0	4196.8	4197.0	4197.1	4197.4	4197.7	4197.7	4197.7	4198.2	4198.2	4198.1	4197.7
6	4197.0	4196.8	4197.0	4197.1	4197.4	4197.6	4197.7	4197.7	4198.2	4198.2	4198.1	4197.8
7	4197.0	4196.9	4197.0	4197.1	4197.4	4197.5	4197.8	4197.8	4198.2	4198.2	4198.1	4197.7
8	4197.0	4196.9	4197.0	4197.1	4197.5	4197.5	4197.9	4197.8	4198.2	4198.2	4198.2	4197.8
9	4196.9	4196.8	4197.0	4197.1	4197.5	4197.5	4198.0	4197.8	4198.2	4198.2	4198.0	4197.7
10	4196.9	4196.8	4197.0	4197.0	4197.6	4197.4	4197.8	4197.9	4198.2	4198.2	4197.9	4197.7
11	4197.0	4196.8	4197.0	4197.1	4197.5	4197.5	4197.7	4197.9	4198.2	4198.1	4198.1	4197.7
12	4196.9	4196.9	4197.0	4197.1	4197.5	4197.7	4197.7	4197.9	4198.2	4198.2	4198.0	4197.6
13	4197.0	4197.0	4197.0	4197.1	4197.5	4197.6	4197.7	4197.9	4198.2	4198.2	4198.0	4197.6
14	4197.0	4196.9	4197.0	4197.2	4197.7	4197.6	4197.8	4197.8	4198.2	4198.2	4198.0	4197.6
15	4197.1	4196.9	4197.0	4197.2	4197.5	4197.7	4197.7	4197.9	4198.2	4198.2	4197.9	4197.6
16	4197.1	4197.0	4197.0	4197.2	4197.5	4197.7	4197.7	4198.0	4198.4	4198.2	4197.8	4197.6
17	4196.9	4196.9	4197.0	4197.2	4197.5	4197.7	4197.8	4198.0	4198.2	4198.2	4198.0	4197.6
18	4196.9	4197.2	4197.0	4197.2	4197.5	4197.7	4197.7	4197.9	4198.2	4198.2	4197.9	4197.6
19	4196.9	4197.0	4197.1	4197.2	4197.5	4197.7	4197.8	4197.9	4198.4	4198.2	4197.9	4197.6
20	4196.9	4196.9	4197.0	4197.2	4197.5	4197.6	4197.8	4197.9	4198.5	4198.2	4197.8	4197.7
21	4196.9	4196.9	4197.1	4197.2	4197.6	4197.8	4197.9	4197.9	4198.4	4198.2	4197.8	4197.6
22	4196.9	4196.9	4197.1	4197.2	4197.6	4197.7	4197.8	4198.0	4198.2	4198.2	4197.8	4197.5
23	4196.9	4196.9	4197.1	4197.2	4197.6	4197.7	4197.8	4197.9	4198.2	4198.2	4197.8	4197.5
24	4196.9	4196.9	4197.1	4197.2	4197.6	4197.8	4197.7	4197.9	4198.2	4198.1	4197.7	4197.5
25	4196.9	4196.9	4197.1	4197.2	4197.6	4197.9	4197.8	4198.0	4198.2	4198.2	4197.7	4197.5
26	4196.9	4197.0	4197.1	4197.2	4197.6	4197.9	4197.7	4198.1	4198.2	4198.2	4197.7	4197.4
27	4196.9	4197.0	4197.1	4197.4	4197.6	4197.7	4197.7	4198.1	4198.2	4198.2	4197.7	4197.5
28	4197.0	4197.2	4197.1	4197.2	4197.6	4197.7	4197.7	4198.1	4198.4	4198.2	4197.7	4197.5
29	4196.9	4197.0	4197.2	4197.2	---	4197.8	4197.7	4198.1	4198.4	4198.2	4197.7	4197.5
30	4196.9	4197.0	4197.2	4197.2	---	4197.7	4197.8	4198.1	4198.2	4198.2	4197.7	4197.4
31	4196.9	---	4197.1	4197.2	---	4197.7	---	4198.1	---	4198.1	4197.7	---
MEAN	4196.9	4196.9	4197.0	4197.2	4197.5	4197.7	4197.8	4197.9	4198.2	4198.2	4197.9	4197.6
MAX	4197.1	4197.2	4197.2	4197.4	4197.7	4197.9	4198.0	4198.1	4198.5	4198.5	4198.2	4197.8
MIN	4196.9	4196.8	4196.9	4197.0	4197.4	4197.4	4197.7	4197.7	4198.1	4198.1	4197.7	4197.4

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.7	4197.0	4197.0	4197.2	4197.5	4197.7	4198.0	4198.2	4198.2	4197.9	4197.4	4197.0
2	4196.7	4196.9	4197.0	4197.2	4197.5	4197.7	4198.0	4198.1	4198.2	4197.9	4197.4	4197.0
3	4196.7	4196.9	4197.0	4197.2	4197.5	4197.8	4198.0	4198.2	4198.1	4197.8	4197.4	4197.0
4	4196.7	4197.1	4197.1	4197.2	4197.5	4197.8	4198.2	4198.2	4198.2	4197.7	4197.4	4197.0
5	4196.7	4197.0	4197.1	4197.5	4197.5	4197.9	4198.0	4198.2	4198.1	4197.8	4197.4	4197.0
6	4196.7	4196.9	4197.0	4197.5	4197.5	4197.9	4198.0	4198.2	4198.2	4197.7	4197.4	4196.9
7	4196.8	4196.9	4197.1	4197.2	4197.5	4197.9	4198.1	4198.2	4198.1	4197.7	4197.2	4196.9
8	4196.8	4196.9	4197.1	4197.2	4197.6	4197.9	4198.0	4198.2	4198.1	4197.7	4197.2	4196.9
9	4196.8	4197.0	4197.1	4197.2	4197.5	4197.8	4198.1	4198.2	4198.0	4197.7	4197.2	4197.0
10	4196.8	4197.0	4197.1	4197.2	4197.5	4197.8	4198.2	4198.2	4198.0	4197.7	4197.2	4197.0
11	4196.8	4197.0	4197.1	4197.2	4197.7	4198.0	4198.2	4198.2	4198.0	4197.7	4197.2	4197.0
12	4196.8	4197.0	4197.2	4197.2	4197.6	4198.0	4198.1	4198.2	4198.0	4197.7	4197.2	4196.9
13	4196.8	4197.0	4197.1	4197.2	4197.5	4197.9	4198.1	4198.2	4198.1	4197.7	4197.2	4196.9
14	4196.8	4197.1	4197.1	4197.2	4197.6	4197.8	4198.2	4198.2	4198.1	4197.6	4197.2	4196.9
15	4196.9	4197.0	4197.2	4197.4	4197.6	4197.9	4198.2	4198.2	4197.9	4197.6	4197.2	4196.9
16	4196.9	4197.0	4197.2	4197.4	4197.6	4197.8	4198.1	4198.2	4198.1	4197.6	4197.2	4196.9
17	4197.0	4197.0	4197.2	4197.4	4197.5	4197.9	4198.1	4198.2	4198.0	4197.6	4197.2	4196.8
18	4197.1	4197.1	4197.1	4197.4	4197.6	4197.8	4198.2	4198.2	4197.9	4197.6	4197.2	4196.8
19	4196.9	4197.0	4197.2	4197.4	4197.7	4197.9	4198.2	4198.2	4197.9	4197.6	4197.2	4196.8
20	4196.9	4197.0	4197.2	4197.4	4197.5	4197.9	4198.2	4198.2	4197.9	4197.6	4197.1	4196.8
21	4196.9	4197.0	4197.2	4197.4	4197.6	4197.8	4198.1	4198.1	4197.9	4197.5	4197.1	4196.8
22	4196.9	4197.0	4197.2	4197.4	4197.7	4198.0	4198.2	4198.1	4197.8	4197.5	4197.2	4196.8
23	4196.9	4197.1	4197.2	4197.4	4197.6	4198.1	4198.2	4198.2	4197.9	4197.5	4197.2	4196.8
24	4196.9	4197.1	4197.2	4197.5	4197.7	4198.0	4198.1	4198.2	4197.9	4197.5	4197.1	4196.8
25	4197.0	4197.0	4197.2	4197.5	4197.7	4198.0	4198.2	4198.1	4197.9	4197.5	4197.1	4196.8
26	4197.1	4197.0	4197.2	4197.6	4197.7	4198.1	4198.2	4198.0	4198.0	4197.5	4197.1	4196.8
27	4196.9	4197.0	4197.2	4197.6	4197.7	4198.0	4198.1	4198.1	4197.9	4197.5	4197.0	4196.8
28	4196.9	4197.0	4197.2	4197.6	4197.8	4198.0	4198.2	4198.1	4197.8	4197.5	4197.1	4196.8
29	4197.1	4197.0	4197.2	4197.6	---	4198.0	4198.2	4198.1	4197.9	4197.5	4197.0	4196.8
30	4196.9	4197.0	4197.2	4197.7	---	4198.0	4198.1	4198.1	4197.8	4197.5	4197.1	4197.0
31	4196.9	---	4197.2	4197.5	---	4198.0	---	4198.1	---	4197.4	4197.1	---
MEAN	4196.9	4197.0	4197.1	4197.4	4197.6	4197.9	4198.1	4198.2	4198.0	4197.6	4197.2	4196.9
MAX	4197.1	4197.1	4197.2	4197.7	4197.8	4198.1	4198.2	4198.2	4198.2	4197.9	4197.4	4197.0
MIN	4196.7	4196.9	4197.0	4197.2	4197.5	4197.7	4198.0	4198.0	4197.8	4197.4	4197.0	4196.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.8	4197.7	4197.5	4197.5	4197.7	4197.9	4197.9	4197.9	4197.7	4197.6	4197.2	4196.9
2	4198.0	4198.1	4197.5	4197.6	4197.7	4197.9	4197.7	4197.9	4197.8	4197.7	4197.2	4196.9
3	4197.6	4197.8	4197.6	4197.6	4197.7	4197.9	4197.8	4197.9	4197.9	4197.6	4197.2	4196.8
4	4197.4	4197.6	4197.5	4197.5	4197.7	4197.9	4197.8	4197.9	4197.7	4197.5	4197.2	4196.9
5	4197.4	4197.6	4197.5	4197.5	4197.7	4197.9	4197.8	4197.9	4197.6	4197.4	4197.2	4196.8
6	4197.4	4197.6	4197.5	4197.5	4197.7	4197.9	4197.8	4197.9	4197.7	4197.5	4197.2	4196.8
7	4197.4	4197.7	4197.5	4197.5	4197.7	4197.9	4197.8	4198.0	4197.9	4197.5	4197.2	4196.9
8	4197.4	4197.6	4197.5	4197.6	4197.7	4197.9	4197.9	4198.0	4197.7	4197.4	4197.1	4196.8
9	4197.4	4197.7	4197.4	4197.5	4197.8	4197.9	4198.0	4197.9	4197.7	4197.4	4197.1	4196.8
10	4197.4	4197.7	4197.5	4197.6	4197.8	4197.9	4198.0	4197.9	4197.7	4197.4	4197.0	4196.8
11	4197.4	4197.6	4197.5	4197.7	4197.8	4198.0	4198.0	4197.9	4197.8	4197.4	4197.2	4196.8
12	4197.4	4197.6	4197.7	4197.7	4197.8	4197.9	4198.0	4197.9	4197.8	4197.5	4197.1	4196.9
13	4197.4	4197.6	4197.7	4197.6	4197.8	4197.9	4198.0	4197.9	4197.8	4197.4	4197.2	4196.9
14	4197.4	4197.6	4197.5	4197.7	4197.8	4197.9	4197.9	4197.9	4197.8	4197.4	4197.1	4196.7
15	4197.6	4197.6	4197.5	4197.7	4197.8	4197.9	4197.9	4197.9	4197.8	4197.5	4197.0	4196.7
16	4197.6	4197.6	4197.5	4197.6	4197.9	4197.9	4197.9	4197.9	4197.9	4197.4	4197.2	4196.7
17	4197.6	4197.6	4197.5	4197.6	4197.8	4197.9	4197.9	4197.9	4197.8	4197.4	4197.1	4196.7
18	4197.6	4197.6	4197.5	4197.7	4197.8	4197.9	4198.2	4197.9	4197.7	4197.2	4197.0	4196.8
19	4197.6	4197.6	4197.5	4197.7	4197.8	4197.9	4198.0	4197.9	4197.7	4197.2	4196.9	4196.7
20	4197.6	4197.7	4197.5	4197.7	4197.8	4198.0	4197.9	4197.8	4197.7	4197.2	4196.9	4196.7
21	4197.6	4197.6	4197.5	4197.7	4197.8	4198.0	4197.9	4197.9	4197.6	4197.2	4197.0	4196.8
22	4197.6	4197.6	4197.5	4198.0	4197.8	4198.0	4198.0	4197.9	4197.7	4197.2	4197.0	4196.8
23	4197.6	4197.7	4197.5	4197.7	4197.8	4198.0	4198.0	4197.8	4197.8	4197.2	4197.0	4196.8
24	4197.6	4197.6	4197.5	4197.7	4197.8	4197.9	4198.0	4197.8	4197.6	4197.2	4197.1	4196.7
25	4197.6	4197.5	4197.5	4197.7	4198.0	4197.9	4197.9	4197.7	4197.6	4197.2	4197.1	4196.6
26	4197.6	4197.5	4197.5	4197.7	4197.9	4197.9	4198.0	4197.8	4197.6	4197.2	4197.0	4196.7
27	4197.6	4197.5	4197.5	4197.7	4197.9	4198.1	4198.0	4197.8	4197.6	4197.2	4197.0	4196.6
28	4197.6	4197.5	4197.4	4197.7	4197.9	4198.1	4197.9	4197.7	4197.6	4197.2	4196.9	4196.7
29	4197.6	4197.5	4197.4	4197.7	---	4198.0	4197.9	4197.8	4197.6	4197.1	4197.0	4196.7
30	4197.6	4197.5	4197.5	4197.7	---	4198.0	4197.9	4197.8	4197.6	4197.2	4196.9	4196.7
31	4197.7	---	4197.5	4197.7	---	4197.9	---	4197.7	---	4197.2	4196.9	---
MEAN	4197.6	4197.6	4197.5	4197.6	4197.8	4197.9	4197.9	4197.9	4197.7	4197.3	4197.1	4196.8
MAX	4198.0	4198.1	4197.7	4198.0	4198.0	4198.1	4198.2	4198.0	4197.9	4197.7	4197.2	4196.9
MIN	4197.4	4197.5	4197.4	4197.5	4197.7	4197.9	4197.7	4197.7	4197.6	4197.1	4196.9	4196.6

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200.1	4199.9	4199.8	4199.8	4199.8	4200.0	4200.1	4200.0	4199.5	4199.1	4198.6	4198.1
2	4200.1	4199.9	4199.8	4199.8	4199.8	4200.0	4200.1	4200.0	4199.6	4199.1	4198.6	4198.1
3	4200.2	4199.8	4199.8	4199.8	4199.9	4200.0	4200.1	4199.9	4199.5	4199.1	4198.6	4198.1
4	4200.1	4199.8	4199.8	4199.8	4199.8	4200.1	4200.1	4199.9	4199.5	4199.1	4198.6	4198.2
5	4200.1	4199.8	4199.8	4199.8	4199.9	4200.0	4200.2	4199.9	4199.6	4199.1	4198.6	4198.1
6	4200.1	4199.8	4199.8	4199.8	4199.9	4200.0	4200.1	4199.9	4199.5	4199.1	4198.5	4198.2
7	4200.1	4199.8	4199.8	4199.8	4199.9	4200.1	4200.1	4199.9	4199.5	4199.0	4198.5	4198.1
8	4200.1	4199.8	4199.8	4199.9	4199.8	4200.2	4200.0	4199.9	4199.5	4199.0	4198.5	4198.0
9	4200.1	4199.8	4199.8	4199.8	4199.9	4200.1	4200.1	4200.0	4199.4	4199.0	4198.5	4198.0
10	4200.0	4199.9	4199.8	4199.8	4199.8	4200.1	4200.1	4199.8	4199.4	4199.0	4198.5	4198.0
11	4200.0	4199.9	4199.8	4199.9	4199.8	4200.1	4200.1	4199.9	4199.4	4199.0	4198.5	4198.0
12	4200.0	4199.9	4199.8	4199.9	4199.8	4200.1	4200.0	4199.9	4199.4	4199.0	4198.5	4198.0
13	4200.0	4199.9	4199.8	4199.8	4199.9	4200.1	4200.1	4199.8	4199.4	4198.9	4198.5	4198.0
14	4200.0	4200.1	4199.8	4199.8	4199.9	4200.1	4200.1	4199.8	4199.2	4198.9	4198.4	4198.0
15	4200.0	4199.9	4199.8	4199.8	4199.8	4200.1	4200.1	4199.7	4199.4	4198.9	4198.5	4198.0
16	4200.0	4199.9	4199.8	4199.8	4199.9	4200.1	4200.0	4199.7	4199.5	4198.9	4198.4	4198.0
17	4200.0	4199.8	4199.8	4199.9	4199.9	4200.1	4200.2	4199.7	4199.2	4198.9	4198.4	4197.9
18	4200.0	4199.9	4199.8	4199.8	4199.9	4200.1	4200.1	4199.7	4199.2	4198.9	4198.4	4198.0
19	4200.0	4199.9	4199.9	4199.8	4199.9	4200.1	4200.1	4199.6	4199.4	4198.9	4198.4	4197.9
20	4200.0	4199.8	4199.8	4199.8	4199.9	4200.0	4200.0	4199.6	4199.2	4198.9	4198.2	4197.9
21	4199.9	4199.9	4199.8	4199.8	4200.0	4200.1	4200.0	4199.7	4199.2	4198.9	4198.2	4197.9
22	4199.9	4199.9	4199.8	4199.8	4200.0	4200.0	4200.0	4199.7	4199.2	4198.8	4198.4	4197.9
23	4200.0	4199.8	4199.8	4199.8	4200.1	4200.1	4200.0	4199.7	4199.2	4198.9	4198.2	4197.9
24	4199.9	4199.8	4199.8	4199.8	4200.0	4200.1	4200.0	4199.6	4199.1	4198.9	4198.2	4198.0
25	4199.9	4199.8	4199.8	4199.8	4200.1	4200.1	4200.0	4199.6	4199.2	4198.8	4198.2	4197.9
26	4199.9	4199.8	4199.8	4199.8	4200.0	4200.1	4200.0	4199.7	4199.2	4198.7	4198.2	4197.8
27	4200.0	4199.9	4199.8	4199.8	4200.0	4200.1	4200.0	4199.7	4199.2	4198.7	4198.1	4197.8
28	4200.0	4199.9	4199.8	4199.8	4200.0	4200.1	4200.0	4199.6	4199.2	4198.7	4198.1	4197.8
29	4199.9	4200.0	4199.8	4199.8	4200.0	4200.1	4199.9	4199.6	4199.4	4198.7	4198.1	4197.8
30	4200.0	4199.9	4199.8	4199.8	---	4200.1	4200.0	4199.6	4199.1	4198.7	4198.1	4197.8
31	4199.9	---	4199.8	4199.8	---	4200.1	---	4199.6	---	4198.7	4198.1	---
MEAN	4200.0	4199.9	4199.8	4199.8	4199.9	4200.1	4200.1	4199.8	4199.3	4198.9	4198.4	4198.0
MAX	4200.2	4200.1	4199.9	4199.9	4200.1	4200.2	4200.2	4200.0	4199.6	4199.1	4198.6	4198.2
MIN	4199.9	4199.8	4199.8	4199.8	4199.8	4200.0	4199.9	4199.6	4199.1	4198.7	4198.1	4197.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.8	4201.6	4201.4	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.2	4200.9	4200.5
2	4202.0	4201.7	4201.5	4201.2	4201.4	4201.7	4201.6	4201.7	4201.5	4201.2	4200.9	4200.4
3	4201.8	4201.5	4201.2	4201.2	4201.4	4201.7	4201.5	4201.6	4201.5	4201.2	4200.8	4200.4
4	4201.8	4201.4	4201.2	4201.2	4201.4	4201.6	4201.6	4201.7	4201.5	4201.2	4200.8	4200.4
5	4201.8	4201.5	4201.4	4201.2	4201.4	4201.7	4201.5	4201.6	4201.8	4201.2	4200.8	4200.4
6	4201.9	4201.5	4201.2	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.2	4200.7	4200.4
7	4201.8	4201.4	4201.2	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.2	4200.7	4200.4
8	4201.7	4201.4	4201.2	4201.2	4201.4	4201.6	4201.5	4201.6	4201.6	4201.2	4200.7	4200.2
9	4201.6	4201.4	4201.2	4201.2	4201.4	4201.6	4201.5	4201.9	4201.6	4201.2	4200.7	4200.4
10	4201.6	4201.4	4201.2	4201.2	4201.4	4201.6	4201.7	4201.7	4201.6	4201.2	4200.7	4200.4
11	4201.7	4201.4	4201.2	4201.2	4201.4	4201.7	4201.8	4201.7	4201.5	4201.2	4200.7	4200.4
12	4201.6	4201.4	4201.2	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.2	4200.6	4200.4
13	4201.7	4201.4	4201.2	4201.2	4201.4	4201.6	4201.6	4201.7	4201.6	4201.2	4200.6	4200.2
14	4201.6	4201.4	4201.2	4201.4	4201.4	4201.6	4201.5	4201.8	4201.6	4201.1	4200.7	4200.4
15	4201.6	4201.5	4201.2	4201.4	4201.4	4201.6	4201.6	4201.7	4201.5	4201.1	4200.6	4200.2
16	4201.7	4201.4	4201.2	4201.4	4201.5	4201.6	4201.6	4201.6	4201.5	4201.1	4200.6	4200.2
17	4201.6	4201.4	4201.2	4201.4	4201.5	4201.6	4201.6	4201.6	4201.5	4201.1	4200.6	4200.2
18	4201.5	4201.4	4201.2	4201.4	4201.5	4201.6	4201.6	4201.6	4201.5	4201.1	4200.6	4200.2
19	4201.6	4201.4	4201.2	4201.5	4201.5	4201.6	4201.6	4201.6	4201.4	4201.1	4200.5	4200.2
20	4201.6	4201.5	4201.4	4201.4	4201.5	4201.6	4201.6	4201.7	4201.5	4201.1	4200.6	4200.2
21	4201.5	4201.4	4201.2	4201.4	4201.5	4201.6	4201.6	4201.7	4201.5	4201.1	4200.5	4200.2
22	4201.5	4201.4	4201.2	4201.4	4201.6	4201.6	4201.6	4201.7	4201.4	4201.0	4200.5	4200.2
23	4201.5	4201.4	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.4	4201.0	4200.5	4200.2
24	4201.5	4201.4	4201.2	4201.4	4201.6	4201.6	4201.6	4201.6	4201.4	4201.0	4200.2	4200.2
25	4201.5	4201.4	4201.2	4201.4	4201.6	4201.5	4201.7	4201.6	4201.5	4201.0	4200.4	4200.2
26	4201.5	4201.6	4201.2	4201.4	4201.6	4201.6	4201.7	4201.7	4201.4	4200.9	4200.4	4200.2
27	4201.5	4201.4	4201.2	4201.4	4201.6	4201.5	4201.7	4201.7	4201.2	4200.9	4200.2	4200.2
28	4201.5	4201.4	4201.2	4201.5	4201.6	4201.6	4201.6	4201.6	4201.2	4200.9	4200.5	4200.1
29	4201.5	4201.2	4201.4	4201.5	---	4201.7	4201.7	4201.6	4201.4	4200.9	4200.5	4200.2
30	4201.5	4201.4	4201.2	4201.4	---	4201.6	4201.6	4201.6	4201.2	4200.9	4200.5	4200.1
31	4201.5	---	4201.2	4201.4	---	4201.6	---	4201.7	---	4200.9	4200.5	---
MEAN	4201.6	4201.4	4201.2	4201.3	4201.5	4201.6	4201.6	4201.7	4201.5	4201.1	4200.6	4200.3
MAX	4202.0	4201.7	4201.5	4201.5	4201.6	4201.7	4201.8	4201.9	4201.8	4201.2	4200.9	4200.5
MIN	4201.5	4201.2	4201.2	4201.2	4201.4	4201.5	4201.5	4201.6	4201.2	4200.9	4200.2	4200.1

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4204.1	4203.8	4203.8	4203.8	4203.9	4203.8	4204.0	4203.9	4203.6	4203.2	4202.8	4202.2
2	4204.1	4203.7	4203.8	4203.8	4203.9	4204.0	4204.0	4203.9	4203.6	4203.4	4202.7	4202.1
3	4204.1	4203.7	4203.8	4203.8	4203.9	4203.9	4203.9	4204.0	4203.6	4203.4	4202.7	4202.2
4	4204.0	4203.8	4203.8	4203.7	4203.9	4204.0	4203.9	4203.8	4203.7	4203.2	4202.7	4202.2
5	4204.0	4203.8	4203.8	4203.8	4203.9	4204.1	4203.9	4203.8	4203.6	4203.2	4202.7	4202.2
6	4204.0	4203.7	4203.8	4203.7	4203.9	4204.1	4203.9	4203.8	4203.6	4203.2	4202.7	4202.2
7	4204.0	4203.8	4203.8	4203.8	4203.9	4203.9	4203.9	4203.9	4203.6	4203.2	4202.7	4202.2
8	4203.9	4203.7	4203.8	4203.8	4203.9	4204.0	4203.9	4203.8	4203.6	4203.1	4202.6	4202.2
9	4203.9	4203.7	4203.8	4203.8	4203.9	4204.0	4204.0	4203.7	4203.6	4203.2	4202.6	4202.2
10	4203.9	4203.7	4203.8	4203.8	4203.9	4203.9	4204.0	4203.8	4203.6	4203.2	4202.6	4202.1
11	4203.9	4203.7	4203.8	4203.8	4203.9	4204.0	4204.0	4203.8	4203.6	4203.2	4202.7	4202.1
12	4203.9	4203.8	4203.8	4203.8	4204.0	4204.0	4204.0	4203.7	4203.7	4203.1	4202.6	4202.1
13	4203.9	4203.7	4203.8	4203.8	4204.0	4204.0	4203.9	4203.7	4203.5	4203.1	4202.6	4202.1
14	4204.0	4203.9	4203.7	4203.8	4204.1	4204.0	4203.9	4203.8	4203.6	4203.1	4202.6	4202.1
15	4204.0	4203.7	4203.8	4203.8	4203.8	4204.0	4204.0	4203.7	4203.5	4203.1	4202.5	4202.0
16	4203.9	4203.7	4203.8	4203.9	4203.7	4204.0	4203.9	4203.7	4203.4	4203.1	4202.5	4202.1
17	4203.9	4203.7	4203.8	4203.9	4203.8	4204.0	4203.9	4203.7	4203.4	4203.1	4202.5	4202.1
18	4203.9	4203.7	4203.8	4203.9	4203.9	4204.0	4203.9	4203.7	4203.5	4203.0	4202.5	4202.0
19	4203.9	4203.7	4203.7	4203.9	4203.9	4204.0	4203.9	4203.7	4203.4	4203.0	4202.5	4201.9
20	4203.8	4203.7	4203.8	4203.9	4203.8	4204.0	4203.9	4203.7	4203.4	4203.0	4202.2	4202.0
21	4203.8	4203.7	4203.7	4203.9	4203.8	4204.0	4203.9	4203.7	4203.4	4203.0	4202.4	4201.9
22	4203.8	4203.7	4203.8	4203.9	4203.8	4204.0	4203.9	4203.7	4203.4	4202.9	4202.4	4201.9
23	4203.8	4203.7	4203.8	4204.0	4203.8	4204.1	4204.0	4203.6	4203.4	4202.9	4202.4	4201.9
24	4203.9	4203.7	4203.8	4203.9	4203.8	4204.0	4204.1	4203.8	4203.4	4202.8	4202.4	4201.9
25	4203.9	4203.8	4203.8	4203.9	4203.8	4204.0	4204.0	4203.6	4203.4	4203.0	4202.2	4201.9
26	4203.9	4204.0	4203.8	4204.0	4203.8	4204.0	4204.1	4203.6	4203.4	4202.9	4202.2	4201.8
27	4203.8	4203.8	4203.8	4203.9	4203.8	4204.1	4203.9	4203.6	4203.4	4202.8	4202.2	4201.8
28	4204.0	4203.7	4203.8	4203.9	4203.8	4204.1	4204.1	4203.6	4203.4	4202.9	4202.2	4201.8
29	4203.8	4203.7	4203.8	4203.9	---	4204.0	4203.9	4203.6	4203.4	4202.8	4202.2	4201.9
30	4203.8	4203.8	4203.8	4203.9	---	4204.0	4203.9	4203.6	4203.2	4202.8	4202.2	4201.8
31	4203.8	---	4203.8	4203.8	---	4204.0	---	4203.7	---	4202.8	4202.2	---
MEAN	4203.9	4203.7	4203.8	4203.8	4203.9	4204.0	4204.0	4203.7	4203.5	4203.1	4202.5	4202.0
MAX	4204.1	4204.0	4203.8	4204.0	4204.1	4204.1	4204.1	4204.0	4203.7	4203.4	4202.8	4202.2
MIN	4203.8	4203.7	4203.7	4203.7	4203.7	4203.8	4203.9	4203.6	4203.2	4202.8	4202.2	4201.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4206.2	4206.0	4205.8	4206.0	4206.0	4206.0	4206.2	4206.0	4205.8	4205.3	4205.0	4204.2
15	4206.2	4205.8	4205.8	4206.0	4206.0	4206.0	4206.0	4206.0	4205.7	4205.2	4204.7	4204.0

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4209.0	4208.9	4208.9	4208.9	4209.1	4209.0	4208.9	4208.7	4208.5	4208.2	4207.5	4206.8
15	4209.0	4208.9	4208.8	4209.0	4209.0	4208.9	4208.8	4208.7	4208.4	4207.8	4207.2	4206.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4210.0	4210.2	4210.3	4210.6	4210.8	4211.0	4211.1	4211.1	4211.0	4210.6	4210.1	4209.6
15	4210.2	4210.2	4210.5	4210.8	4211.0	4211.1	4211.2	4211.1	4211.0	4210.3	4209.9	4209.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4207.8	4207.8	4208.0	4208.4	4208.7	4209.2	4209.8	4210.5	4211.0	4210.8	4210.7	4210.3
15	4207.8	4208.0	4208.2	4208.5	4208.8	4209.5	4210.0	4210.8	4211.0	4210.7	4210.5	4210.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4207.1	4207.3	4207.6	4207.9	4208.2	4208.5	4208.9	4209.2	4209.3	4209.1	4208.5	4208.1
15	4207.2	4207.4	4207.7	4208.1	4208.3	4208.8	4209.1	4209.3	4209.2	4208.9	4208.3	4207.9

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4202.1	4202.4	4202.8	4203.3	4203.8	4204.3	4204.7	4205.0	4205.3	4205.6	4205.8	4206.8
15	4202.2	4202.5	4203.0	4203.6	4204.0	4204.4	4204.8	4205.1	4205.5	4205.6	4206.4	4207.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.6	4198.8	4199.0	4199.4	4199.9	4200.2	4200.7	4201.0	4201.4	4201.6	4201.7	4201.8
15	4198.7	4198.8	4199.2	4199.6	4200.2	4200.4	4200.8	4201.2	4201.6	4201.7	4201.8	4202.0

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.2	4197.3	4197.3	4197.5	4197.6	4197.8	4198.2	4198.4	4198.7	4198.6	4198.6	4198.3
15	4197.4	4197.3	4197.4	4197.6	4197.8	4198.0	4198.4	4198.6	4198.7	4198.6	4198.4	4198.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.8	4197.8	4197.8	4198.1	4198.3	4198.4	4198.6	4198.6	4198.7	4198.4	4198.0	4197.6
15	4197.8	4197.8	4197.9	4198.1	4198.4	4198.5	4198.6	4198.6	4198.6	4198.3	4197.8	4197.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.8	4196.6	4196.6	4196.7	4197.0	4197.5	4197.8	4197.9	4198.4	4198.5	4198.3	4198.0
15	4196.7	4196.6	4196.6	4196.9	4197.2	4197.8	4197.8	4198.1	4198.5	4198.4	4198.1	4197.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.5	4197.3	4197.3	4197.5	4197.8	4198.1	4198.4	4198.4	4198.3	4198.0	4197.6	4197.2
15	4197.4	4197.3	4197.4	4197.6	4197.9	4198.2	4198.4	4198.4	4198.2	4197.8	4197.4	4197.0

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.1	4197.9	4197.8	4197.9	4198.1	4198.3	4198.6	4198.6	4198.6	4198.4	4198.0	4197.6
15	4198.0	4197.8	4197.8	4197.9	4198.3	4198.5	4198.6	4198.6	4198.6	4198.3	4197.8	4197.5

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.3	4199.1	4199.0	4199.0	4199.1	4199.3	4199.3	4199.3	4199.4	4199.1	4198.6	4198.4
15	4199.2	4199.1	4199.0	4199.1	4199.2	4199.3	4199.3	4199.2	4199.3	4198.9	4198.4	4198.2

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.8	4198.8	4198.8	4199.1	4199.4	4199.8	4200.0	4200.3	4200.3	4200.2	4199.8	4199.5
15	4198.8	4198.8	4198.9	4199.2	4199.6	4199.9	4200.2	4200.3	4200.2	4200.1	4199.7	4199.4

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.9	4197.9	4197.9	4198.0	4198.3	4198.5	4198.8	4198.9	4199.2	4199.2	4199.2	4199.0
15	4197.8	4197.9	4198.0	4198.1	4198.4	4198.6	4198.8	4199.0	4199.2	4199.3	4199.2	4198.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4197.8	4197.6	4197.8	4198.1	4198.5	4198.8	4199.1	4199.3	4199.3	4199.2	4198.8	4198.3
15	4197.6	4197.7	4197.9	4198.3	4198.6	4199.0	4199.2	4199.3	4199.3	4199.0	4198.6	4198.1

10010100 GREAT SALT LAKE NEAR SALINE, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4196.8	4196.9	4197.1	4197.3	4197.7	4198.0	4198.5	4198.8	4198.8	4198.6	4198.4	4198.0
15	4196.8	4197.0	4197.2	4197.5	4197.8	4198.3	4198.6	4198.8	4198.8	4198.6	4198.2	4197.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4195.9	4196.0	4196.3	4196.8	4197.2	4197.5	4197.8	4197.9	4198.0	4197.9	4197.5	4197.1
15	4196.0	4196.2	4196.5	4196.9	4197.3	4197.6	4197.9	4198.0	4198.0	4197.8	4197.4	4197.0

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4194.2	4194.1	4194.4	4194.8	4195.0	4195.5	4195.8	4196.4	4196.6	4196.7	4196.5	4196.1
15	4194.1	4194.3	4194.5	4194.8	4195.4	4195.6	4195.9	4196.5	4196.8	4196.6	4196.3	4196.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4194.5	4194.4	4194.5	4194.8	4195.1	4195.3	4195.4	4195.4	4195.4	4195.3	4195.0	4194.5
15	4194.3	4194.4	4194.6	4194.9	4195.3	4195.4	4195.4	4195.4	4195.4	4195.2	4194.8	4194.3

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1968 TO SEPTEMBER 1969
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4193.8	4193.8	4193.9	4194.2	4194.8	4195.3	4195.7	4196.0	4195.9	4195.8	4195.3	4194.8
15	4193.7	4193.8	4194.0	4194.3	4195.0	4195.5	4195.9	4196.0	4195.8	4195.6	4195.1	4194.8

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4193.4	4193.3	4193.4	4193.5	4193.8	4194.1	4194.6	4194.7	4194.7	4194.7	4194.3	4194.1
15	4193.4	4193.4	4193.4	4193.6	4193.9	4194.4	4194.7	4194.8	4194.8	4194.6	4194.2	4193.9

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1966 TO SEPTEMBER 1967
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4193.1	4192.9	4193.0	4193.1	---	4193.5	4193.7	4193.8	4194.0	4194.4	---	4193.8
15	4192.9	4193.0	4193.3	4193.1	---	4193.6	4193.8	4193.9	4194.2	4194.3	4193.9	4193.6

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1965 TO SEPTEMBER 1966
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	4194.9	4194.9	4193.3	4193.9	4193.3
15	---	---	---	---	---	---	4194.9	4194.9	4194.6	4194.2	4193.6	4193.2

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in SE¼NW¼SE¼ sec. 30, T. 3 N., R. 10 E., Summit County, Utah Hydrologic Unit 16010101, on left bank 400 ft downstream from West Fork and 2.8 mi upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi^2.

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

REVISED RECORDS.--WDR 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 16	2230	*1,790	*6.50	No other peak greater than base discharge.			

Minimum daily discharge, 27 ft^3/s, Jan 8.

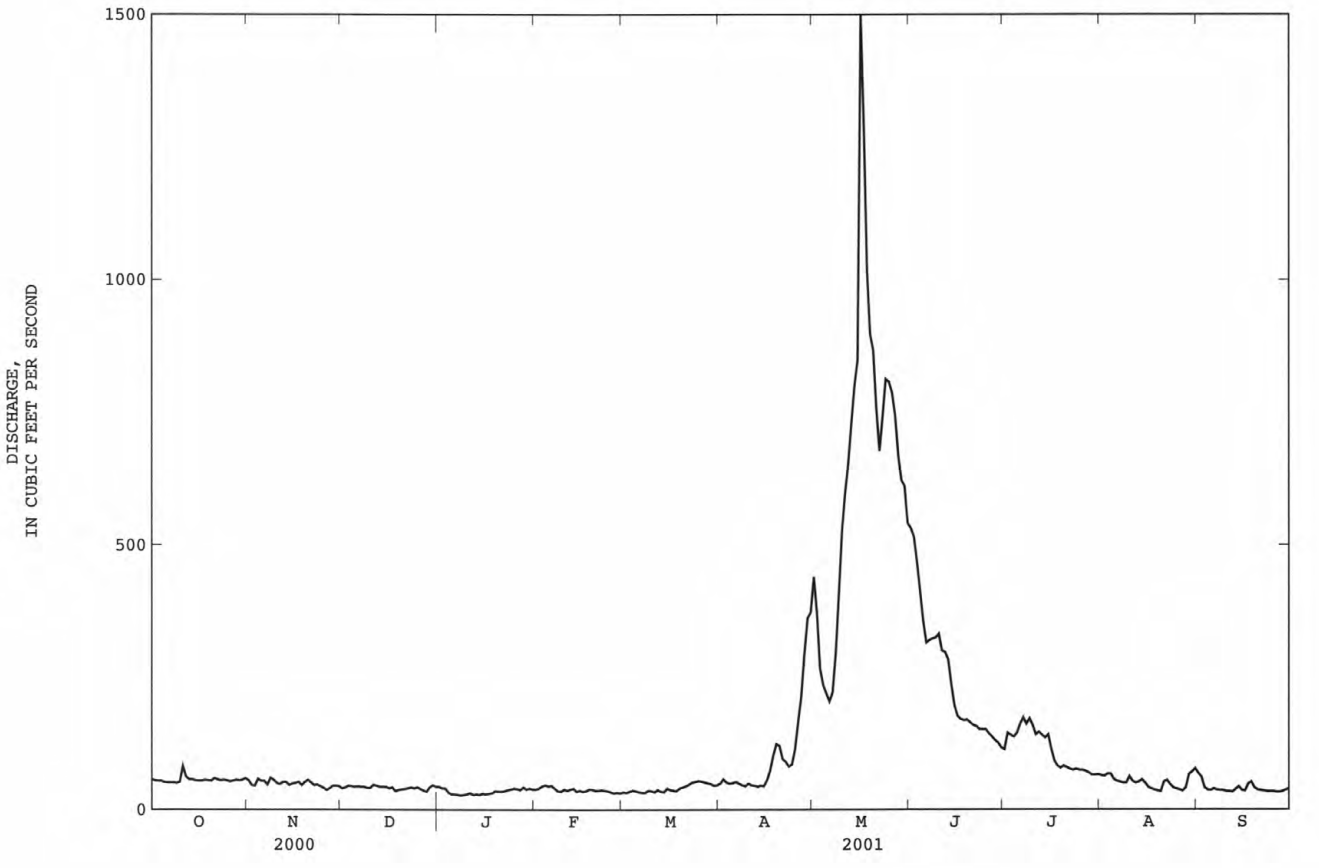
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	55	e40	43	e38	e33	49	440	532	113	64	68
2	55	46	e42	40	e40	e32	57	371	516	144	63	61
3	54	45	45	40	e44	e34	51	266	468	140	67	41
4	54	58	44	32	e46	e36	49	235	412	137	67	37
5	52	54	43	29	e44	e35	50	219	356	144	57	36
6	51	54	44	29	e45	e33	52	204	315	161	53	39
7	51	47	43	e28	e40	e32	49	221	320	173	52	37
8	51	60	43	e27	e35	e32	46	294	323	161	50	36
9	50	56	41	e28	e34	e36	44	408	325	171	50	36
10	52	50	41	29	e38	e35	49	526	332	159	62	34
11	82	48	47	31	e36	33	46	597	300	141	53	34
12	62	e52	45	28	e38	37	45	653	297	146	50	33
13	57	e52	43	29	e40	34	43	728	283	140	52	38
14	57	e46	43	28	e34	33	45	799	236	135	56	43
15	55	e49	43	e30	e36	40	44	848	196	141	50	36
16	54	e50	e40	e29	e34	37	55	1500	176	113	42	35
17	54	e52	e42	e30	e35	36	73	1290	170	91	39	48
18	56	46	e35	e31	e38	35	101	1020	168	82	37	52
19	55	52	e37	e35	e38	40	123	897	169	78	35	41
20	54	56	e38	e34	e36	42	120	866	164	82	34	37
21	59	51	39	e34	e36	44	95	757	159	79	52	36
22	57	46	40	e35	e37	47	90	677	157	76	55	35
23	55	47	42	e37	e36	51	81	742	151	74	47	34
24	56	44	40	e38	e35	52	85	812	151	76	41	34
25	55	41	42	e40	e33	54	114	807	151	74	39	34
26	53	37	e39	e39	e31	53	166	787	143	74	37	33
27	54	40	e36	e37	e32	51	214	744	137	72	35	33
28	56	45	34	e42	e31	50	295	668	130	69	41	34
29	55	45	42	e38	---	48	362	622	125	65	66	37
30	56	44	46	e40	---	45	373	611	116	65	71	39
31	59	---	43	e38	---	46	---	541	---	66	77	---
TOTAL	1728	1468	1282	1048	1040	1246	3066	20150	7478	3442	1594	1171
MEAN	55.7	48.9	41.4	33.8	37.1	40.2	102	650	249	111	51.4	39.0
MAX	82	60	47	43	46	54	373	1500	532	173	77	68
MIN	50	37	34	27	31	32	43	204	116	65	34	33
AC-FT	3430	2910	2540	2080	2060	2470	6080	39970	14830	6830	3160	2320
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)												
MEAN	63.6	54.8	46.9	42.2	40.2	44.0	111	600	860	304	95.2	74.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	49020		44713			
ANNUAL MEAN	134		123		195	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	1240	May 26	1500	May 16	2680	Jun 4 1986
LOWEST DAILY MEAN	34	Dec 28	27	Jan 8	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	39	Dec 16	29	Jan 6	21	Dec 28 1959
ANNUAL RUNOFF (AC-FT)	97230		88690		141200	
10 PERCENT EXCEEDS	337		317		608	
50 PERCENT EXCEEDS	55		50		59	
90 PERCENT EXCEEDS	43		34		34	

e Estimated



10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE¼ NW¼ NW¼ 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 except for estimated discharges, which are poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e160	e470	392	64	18	16
2	---	---	---	---	---	---	e162	e500	355	60	15	17
3	---	---	---	---	---	---	e200	e440	327	55	17	15
4	---	---	---	---	---	---	e142	e400	304	54	23	16
5	---	---	---	---	---	---	e130	e350	273	53	20	15
6	---	---	---	---	---	---	e130	e330	210	58	17	14
7	---	---	---	---	---	---	e120	e310	166	95	16	14
8	---	---	---	---	---	---	e108	e370	140	115	18	14
9	---	---	---	---	---	---	e105	484	105	200	23	11
10	---	---	---	---	---	---	e105	616	93	205	34	8.7
11	---	---	---	---	---	---	e100	709	88	132	30	8.3
12	---	---	---	---	---	---	e90	759	94	78	24	7.1
13	---	---	---	---	---	---	e80	822	162	70	26	7.5
14	---	---	---	---	---	---	e74	906	144	70	35	12
15	---	---	---	---	---	---	e70	898	119	64	29	13
16	---	---	---	---	---	---	e74	1210	85	56	22	13
17	---	---	---	---	---	---	e90	1560	54	47	21	15
18	---	---	---	---	---	---	e137	1150	41	40	18	21
19	---	---	---	---	---	---	e170	1010	35	33	16	22
20	---	---	---	---	---	---	e200	925	30	31	12	16
21	---	---	---	---	---	---	e175	815	33	31	21	12
22	---	---	---	---	---	---	e155	694	28	33	21	11
23	---	---	---	---	---	---	e145	675	38	31	18	9.5
24	---	---	---	---	---	---	e135	654	52	28	13	9.0
25	---	---	---	---	---	---	e140	667	62	26	13	8.6
26	---	---	---	---	---	---	e210	654	70	25	9.6	8.2
27	---	---	---	---	---	---	e276	610	86	28	8.0	7.7
28	---	---	---	---	---	---	e330	557	77	29	7.6	8.7
29	---	---	---	---	---	---	e380	529	68	27	12	8.8
30	---	---	---	---	---	---	e420	507	66	22	16	9.9
31	---	---	---	---	---	---	---	434	---	19	18	---
TOTAL	---	---	---	---	---	---	4813	21015	3797	1879	591.2	369.0
MEAN	---	---	---	---	---	---	160	678	127	60.6	19.1	12.3
MAX	---	---	---	---	---	---	420	1560	392	205	35	22
MIN	---	---	---	---	---	---	70	310	28	19	7.6	7.1
AC-FT	---	---	---	---	---	---	9550	41680	7530	3730	1170	732

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	312	833	805	212	68.5	58.0
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 2001 WATER YEAR*		WATER YEARS 1984 - 2001*	
HIGHEST DAILY MEAN	1560	May 17	3160	May 16 1984
LOWEST DAILY MEAN	7.1	Sep 12	3.8	Sep 30 1992
ANNUAL SEVEN-DAY MINIMUM	8.6	Sep 23	5.3	Aug 18 1988
MAXIMUM PEAK FLOW	1830	May 17	3680	May 16 1984
MAXIMUM PEAK STAGE	5.23	May 17	7.35	May 16 1984

* For period of operation.
e Estimated.

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NE¼NW¼NW¼ sec. 29, T. 17 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi upstream from Woodruff Narrows Dam and 10 mi southeast of Woodruff.

DRAINAGE AREA.--752 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR 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, 1,560 ft^3/s, May 17, gage height, 4.70 ft; minimum daily discharge, 0.11 ft^3/s, Aug 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	65	e35	e26	e39	e46	127	426	306	25	2.5	.15
2	6.6	67	e32	e26	e40	e48	138	487	264	22	2.5	.35
3	5.8	57	e29	e26	e38	e53	292	441	264	21	2.5	.63
4	5.5	44	e28	e25	e36	e56	192	336	254	19	2.8	.78
5	5.4	43	e30	e26	e36	e56	171	295	259	18	2.8	.90
6	5.5	52	e34	e26	e35	e56	212	277	227	15	1.8	1.1
7	5.4	52	e36	e26	e37	e54	214	232	159	14	.80	1.3
8	5.5	50	e37	e26	e38	e55	175	237	110	18	.53	1.5
9	5.6	48	e35	e29	e38	e56	158	318	84	40	.34	1.8
10	7.1	65	e33	e29	e36	e53	157	444	69	136	.31	1.8
11	11	64	e31	e30	e35	e52	155	565	72	94	.31	1.8
12	15	55	e31	e33	e36	e51	152	638	e66	59	.30	1.8
13	22	53	e32	e34	e38	e52	150	701	e84	41	.27	1.8
14	15	e53	e35	e34	e40	e52	142	786	122	39	.30	1.6
15	12	e57	e38	e33	e44	e56	119	799	104	34	.26	1.6
16	13	e59	e40	e31	e47	e62	79	891	84	30	.31	1.6
17	10	e53	e41	e30	e48	e69	76	e1400	63	28	.31	1.5
18	11	e51	e40	e29	e49	e68	100	1180	48	25	.34	1.7
19	10	e50	e35	e28	e48	e80	133	1030	38	22	.28	2.0
20	8.4	e45	e32	e29	e45	e100	160	879	34	17	.18	1.8
21	8.7	e42	e30	e30	e45	e130	155	788	31	13	.31	1.6
22	34	e40	e30	e31	e44	e170	135	672	29	11	.63	1.4
23	45	e38	e31	e33	e44	e200	132	605	28	8.7	.81	1.4
24	45	e38	e32	e34	e46	e260	109	525	26	7.1	.51	1.4
25	52	e39	e32	e33	e47	e350	97	545	24	6.5	.29	1.4
26	57	e40	e31	e32	e45	e400	125	567	22	6.3	.19	1.3
27	56	e42	e29	e30	e46	e420	177	537	27	5.0	.14	1.3
28	52	e43	e28	e29	e46	253	219	474	38	2.8	.13	1.4
29	53	e41	e27	e29	---	183	315	461	30	3.3	.15	1.2
30	60	e38	e27	e32	---	158	378	404	27	3.0	.13	1.3
31	62	---	e27	e36	---	135	---	366	---	2.8	.11	---
TOTAL	712.0	1484	1008	925	1166	3834	4944	18306	2993	786.5	23.14	41.21
MEAN	23.0	49.5	32.5	29.8	41.6	124	165	591	99.8	25.4	.75	1.37
MAX	62	67	41	36	49	420	378	1400	306	136	2.8	2.0
MIN	5.4	38	27	25	35	46	76	232	22	2.8	.11	.15
AC-FT	1410	2940	2000	1830	2310	7600	9810	36310	5940	1560	46	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	74.5	73.9	72.6	68.8	84.4	167	341	812	858	201	50.4	49.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	38182.14		36222.85			
ANNUAL MEAN	104		99.2		238	
HIGHEST ANNUAL MEAN					583	1986
LOWEST ANNUAL MEAN					45.1	1977
HIGHEST DAILY MEAN	1210	May 27	1400	May 17	3900	Jun 2 1983
LOWEST DAILY MEAN	.04	Aug 21	.11	Aug 31	.00	Aug 23 1988
ANNUAL SEVEN-DAY MINIMUM	.06	Aug 18	.14	Aug 26	.00	Aug 30 1988
ANNUAL RUNOFF (AC-FT)	75730		71850		172400	
10 PERCENT EXCEEDS	254		269		700	
50 PERCENT EXCEEDS	52		37		85	
90 PERCENT EXCEEDS	1.5		1.4		9.5	

e Estimated

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in NE¼NE¼NW¼ 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.--WDR 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, 1,250 ft^3/s, May 26; minimum daily discharge, 5.1 ft^3/s, Sep 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	23	26	28	30	30	24	22	1160	59	18	8.3
2	161	23	26	28	30	30	24	23	1140	59	18	8.2
3	76	23	26	28	30	29	24	23	1120	58	18	7.6
4	21	23	26	28	29	29	23	24	1100	58	18	7.2
5	13	23	26	29	29	29	24	24	1070	57	18	6.9
6	13	23	26	28	30	29	24	24	1050	57	17	6.2
7	14	23	26	28	30	29	24	24	1020	57	17	6.7
8	14	23	26	29	30	30	25	24	988	57	17	13
9	14	24	26	29	30	30	25	24	881	57	17	18
10	15	24	27	28	30	30	25	24	792	57	16	18
11	14	25	27	29	30	30	25	25	767	57	17	17
12	14	25	27	29	30	30	25	25	752	58	16	17
13	14	25	27	29	30	30	26	26	731	58	17	17
14	14	25	27	29	30	29	26	26	702	38	16	17
15	14	25	27	29	30	29	26	26	337	25	16	16
16	14	25	27	29	30	29	26	26	70	25	15	13
17	14	25	27	29	30	29	26	27	69	24	13	13
18	45	25	27	29	30	30	26	27	61	22	11	13
19	28	25	27	29	30	30	23	27	48	22	9.9	13
20	35	25	28	29	30	31	22	728	47	21	9.3	13
21	23	25	28	29	30	31	22	1140	46	21	9.1	13
22	23	25	28	29	30	31	22	1140	46	21	9.0	13
23	24	26	28	29	30	32	22	1140	46	21	9.0	12
24	24	26	28	29	30	33	22	1140	46	20	8.6	12
25	24	26	28	29	30	36	22	1200	45	20	8.3	12
26	23	26	28	29	30	37	22	1250	43	20	8.1	12
27	21	26	28	29	30	39	22	1230	43	20	8.2	11
28	22	26	28	30	30	29	22	1220	42	19	8.3	8.9
29	22	26	28	30	---	23	22	1200	42	19	8.3	7.7
30	22	25	28	30	---	23	22	1190	52	19	8.3	5.1
31	22	---	28	30	---	23	---	1180	---	19	8.4	---
TOTAL	983	739	840	896	838	929	713	14229	14356	1145	407.8	355.8
MEAN	31.7	24.6	27.1	28.9	29.9	30.0	23.8	459	479	36.9	13.2	11.9
MAX	186	26	28	30	30	39	26	1250	1160	59	18	18
MIN	13	23	26	28	29	23	22	42	19	8.1	5.1
AC-FT	1950	1470	1670	1780	1660	1840	1410	28220	28480	2270	809	706

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	60.1	55.5	48.1	45.8	48.7	99.1	286	791	996	294	80.2	62.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	61178		36431.6			
ANNUAL MEAN	167		99.8		239	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	2330	May 18	1250	May 26	3630	Jun 3 1983
LOWEST DAILY MEAN	12	Sep 14	5.1	Sep 30	.00	Jul 4 1962
ANNUAL SEVEN-DAY MINIMUM	14	Oct 5	7.3	Sep 1	.07	Nov 26 1980
ANNUAL RUNOFF (AC-FT)	121300		72260		173200	
10 PERCENT EXCEEDS	651		58		804	
50 PERCENT EXCEEDS	26		26		42	
90 PERCENT EXCEEDS	17		13		9.7	

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 mi^2.

PERIOD OF RECORD.--March 1939 to September 1944 (fragmentary), October 1949 to September 1970. October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above sea level, from topographic map. March 1939 to September 1944 (fragmentary), at site 0.2 mi downstream at different datum, October 1949 to September 1959 at site 200 ft upstream at different datum, September 1959 to September 1970 at site 300 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 ft^3/s, Jul 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 ft^3/s, Aug 4, 1961.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 21	1345	*17	*4.81				

Minimum daily discharge, 3.1 ft^3/s, Feb 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	7.8	e5.4	e6.4	e6.6	4.4	8.1	9.4	9.3	6.1	4.2	4.1
2	8.5	e7.6	e5.6	e6.0	e6.0	4.6	8.6	9.0	9.8	6.1	4.1	4.1
3	8.4	e7.2	e5.6	e5.8	e5.8	4.9	8.3	8.9	9.9	5.6	4.6	4.3
4	8.4	e6.8	e5.8	e6.0	5.6	4.4	8.0	8.6	10	5.3	5.0	4.3
5	8.5	e7.4	e5.6	e5.8	4.8	4.6	8.8	8.3	11	5.3	4.6	4.4
6	8.6	e7.0	e5.6	e5.6	4.0	4.6	8.5	8.0	10	5.3	4.5	4.8
7	8.6	e6.2	e6.0	e6.0	4.5	4.7	8.4	7.8	10	5.4	4.5	5.0
8	8.5	e5.8	e6.2	e6.2	3.1	4.7	8.3	7.6	9.7	6.0	4.6	4.4
9	8.6	e5.8	e6.6	e6.6	3.5	4.8	7.7	7.4	9.4	6.0	4.7	3.7
10	9.4	e6.0	e6.0	e7.0	4.5	5.0	7.8	7.4	9.3	5.9	4.6	3.6
11	9.8	e6.2	e6.0	e6.0	4.6	5.1	7.7	7.5	9.3	5.6	4.6	3.6
12	9.1	e6.0	e6.2	e7.0	4.4	5.0	7.7	7.5	11	6.1	4.7	3.7
13	8.7	e5.8	e6.4	e6.6	4.3	5.2	7.5	7.5	11	5.7	4.8	3.9
14	8.9	e5.8	e6.4	e7.2	4.1	5.2	7.4	7.5	9.6	5.5	4.6	3.8
15	8.5	e5.6	e5.8	e6.8	e3.8	5.1	7.6	7.6	9.2	5.4	4.9	3.7
16	8.3	e5.6	e5.8	e6.6	e3.9	5.5	7.7	10	9.2	5.3	5.0	3.7
17	8.0	e5.8	e5.8	e6.6	e3.8	6.2	7.8	8.2	8.8	4.9	4.7	4.1
18	7.9	e5.4	e5.2	e6.4	e3.8	6.6	8.3	7.9	8.5	5.1	4.6	4.0
19	8.0	e5.6	e6.6	e5.6	e3.9	7.4	9.1	7.5	8.6	5.0	4.3	3.8
20	7.8	e5.8	e6.2	e5.4	4.0	9.7	9.8	7.2	8.2	4.6	4.4	3.9
21	8.3	e5.8	e6.4	e5.8	3.7	11	9.7	7.2	8.2	4.5	4.9	3.9
22	8.1	e5.6	e6.8	e6.0	3.8	9.7	9.5	7.3	8.1	4.5	5.2	3.8
23	8.0	e5.6	e7.0	e6.2	4.1	9.8	8.7	7.3	7.5	4.4	4.6	3.7
24	8.0	e5.6	e6.8	e6.4	4.0	9.5	8.9	7.4	7.5	4.3	4.3	3.6
25	8.0	e5.8	e6.4	e6.6	4.1	9.8	9.1	7.7	7.4	4.3	4.2	3.6
26	7.9	e6.0	e6.0	e6.0	4.0	9.7	9.3	8.0	7.6	4.2	4.1	3.6
27	8.0	e6.0	e6.0	e6.2	3.8	8.9	9.5	8.6	7.5	4.2	4.2	3.5
28	8.0	e6.2	e6.2	e6.1	4.0	8.9	9.4	9.2	6.7	4.0	4.1	3.7
29	7.9	e5.8	e6.2	e6.0	---	8.7	9.6	9.2	6.5	4.0	4.0	3.8
30	8.2	e5.6	e6.0	e5.8	---	8.2	9.5	9.0	6.4	4.0	4.2	3.9
31	7.9	---	e6.2	e6.4	---	7.9	---	9.2	---	4.2	4.3	---
TOTAL	259.5	183.2	188.8	193.1	120.5	209.8	256.3	250.9	265.2	156.8	140.1	118.0
MEAN	8.37	6.11	6.09	6.23	4.30	6.77	8.54	8.09	8.84	5.06	4.52	3.93
MAX	9.8	7.8	7.0	7.2	6.6	11	9.8	10	11	6.1	5.2	5.0
MIN	7.8	5.4	5.2	5.4	3.1	4.4	7.4	7.2	6.4	4.0	4.0	3.5
AC-FT	515	363	374	383	239	416	508	498	526	311	278	234

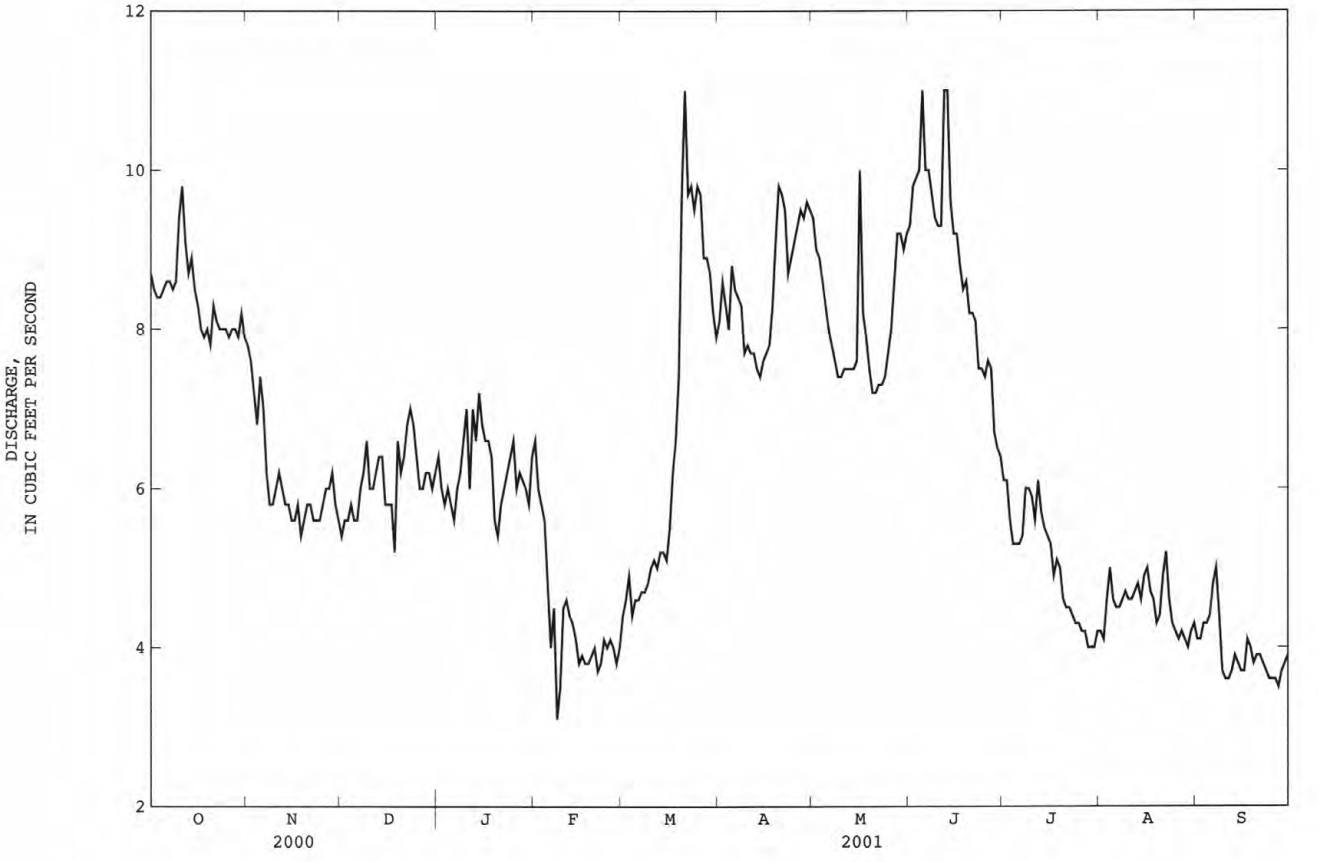
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1987-2001, BY WATER YEAR (WY)

MEAN	12.6	11.6	10.5	9.62	9.46	10.7	15.9	32.1	22.9	16.9	14.2	13.0
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

10023000 BIG CREEK NEAR RANDOLPH, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950-70, 1987-2001	
ANNUAL TOTAL	4309.7		2342.2			
ANNUAL MEAN	11.8		6.42		15.0	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	21	Jan 1	11	Mar 21	140	May 18 1950
LOWEST DAILY MEAN	5.2	Dec 18	3.1	Feb 8	1.0	Aug 5 1992
ANNUAL SEVEN-DAY MINIMUM	5.6	Nov 30	3.6	Sep 22	1.1	Aug 8 1992
ANNUAL RUNOFF (AC-FT)	8550		4650		10860	
10 PERCENT EXCEEDS	17		9.2		30	
50 PERCENT EXCEEDS	12		6.0		11	
90 PERCENT EXCEEDS	6.0		4.0		4.3	

e Estimated



10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in SW¼SE¼SE¼ sec. 25, T. 23 N., R. 120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft downstream from Pixley Dam, 11 mi south of Cokeville, and 17.5 mi downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi^2.

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (seasonal only). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR 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, 0.07 ft^3/s, Aug 23, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 179 ft^3/s, Jul 17, gage height, 2.95 ft; minimum recorded discharge, 0.07 ft^3/s, Aug 23.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR APRIL 2001 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	143	31	4.5	14	12	1.8
2	---	---	---	---	---	---	90	32	5.1	14	11	4.2
3	---	---	---	---	---	---	72	33	4.5	13	11	6.9
4	---	---	---	---	---	---	70	31	5.6	12	11	9.0
5	---	---	---	---	---	---	76	30	5.7	10	9.9	11
6	---	---	---	---	---	---	80	29	5.2	74	9.6	13
7	---	---	---	---	---	---	81	29	5.8	53	9.0	11
8	---	---	---	---	---	---	81	18	6.8	41	8.2	8.6
9	---	---	---	---	---	---	87	5.5	8.9	39	8.7	14
10	---	---	---	---	---	---	88	5.6	9.6	39	7.5	21
11	---	---	---	---	---	---	85	5.8	9.5	38	6.7	26
12	---	---	---	---	---	---	85	4.9	7.6	38	6.8	16
13	---	---	---	---	---	---	82	4.1	7.4	38	6.5	22
14	---	---	---	---	---	---	79	4.3	8.7	35	6.1	27
15	---	---	---	---	---	---	74	4.3	11	32	5.8	36
16	---	---	---	---	---	---	69	5.6	17	31	5.7	39
17	---	---	---	---	---	---	63	6.4	36	66	5.4	38
18	---	---	---	---	---	---	56	6.6	40	50	5.2	37
19	---	---	---	---	---	---	52	6.5	39	35	5.0	41
20	---	---	---	---	---	---	49	6.3	37	31	5.0	42
21	---	---	---	---	---	---	50	6.0	31	28	5.9	41
22	---	---	---	---	---	---	51	5.7	27	25	3.3	38
23	---	---	---	---	---	---	47	5.2	22	23	.21	12
24	---	---	---	---	---	---	40	4.9	17	20	.36	13
25	---	---	---	---	---	---	40	4.4	15	18	2.2	22
26	---	---	---	---	---	---	39	4.1	14	17	3.2	24
27	---	---	---	---	---	---	38	4.0	13	16	3.1	26
28	---	---	---	---	---	---	36	4.0	14	16	2.5	27
29	---	---	---	---	---	---	35	3.7	14	14	.36	27
30	---	---	---	---	---	---	33	3.7	15	13	.48	25
31	---	---	---	---	---	---	---	4.0	---	12	1.4	---
TOTAL	---	---	---	---	---	---	1971	348.6	456.9	905	179.11	679.5
MEAN	---	---	---	---	---	---	65.7	11.2	15.2	29.2	5.78	22.6
MAX	---	---	---	---	---	---	143	33	40	74	12	42
MIN	---	---	---	---	---	---	33	3.7	4.5	10	.21	1.8
AC-FT	---	---	---	---	---	---	3910	691	906	1800	355	1350

10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE¼SW¼SW¼ sec. 28, T. 27 N., R. 118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.9 mi upstream from Howland Creek, 5.6 mi downstream from Hobble Creek, and 12.4 mi northeast of Border.

DRAINAGE AREA.--165 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 downstream 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, 424 ft^3/s, May 17, gage height, 2.24 ft; minimum daily discharge, 45 ft^3/s, Feb 27.

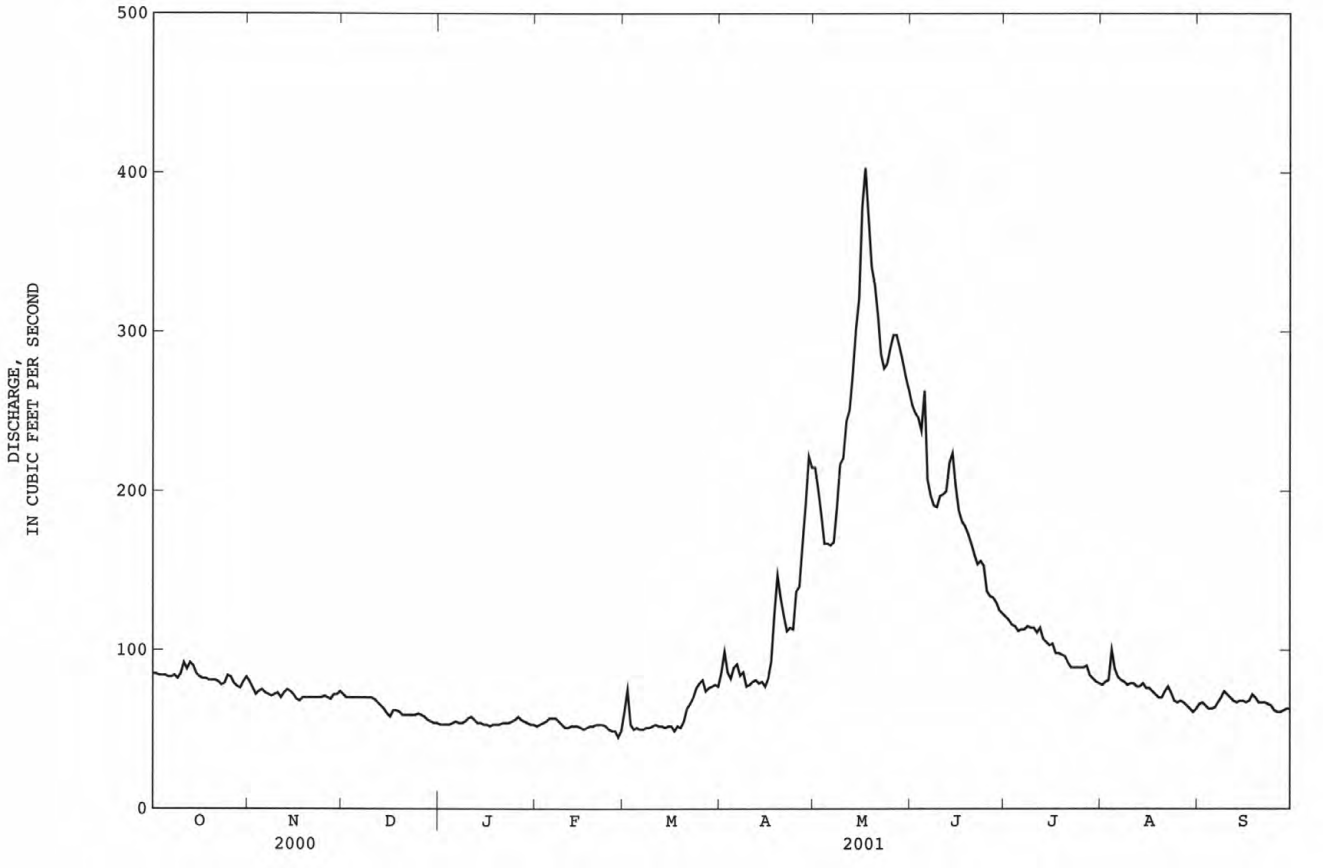
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	80	e72	e53	e52	61	86	215	254	121	78	e66
2	85	76	e70	e53	e53	75	99	201	249	119	80	e67
3	84	72	e70	e53	e54	53	86	185	246	116	81	e65
4	84	74	e70	e53	e55	50	82	167	238	115	100	e63
5	84	75	e70	e54	e57	51	89	167	263	112	88	e63
6	83	73	e70	e55	e57	50	91	166	207	113	83	e64
7	83	e72	e70	e54	e57	50	84	168	197	113	81	e67
8	84	e71	e70	e54	e55	51	86	190	191	115	80	e70
9	82	e72	e70	e55	e53	51	77	217	190	114	78	e74
10	85	e73	e70	e57	e51	52	78	221	197	114	79	e72
11	92	e70	e69	e58	e51	53	80	244	198	111	79	e70
12	88	e73	e67	e56	e52	52	81	251	200	114	77	e68
13	92	e75	e65	e54	e52	52	79	274	218	107	77	e67
14	90	e74	e63	e54	e52	51	80	302	224	105	79	e68
15	85	e72	e60	e53	e51	52	77	321	203	103	76	e68
16	83	e69	e58	e53	e50	52	82	379	188	104	76	e67
17	82	e68	e62	e52	e51	49	93	403	181	98	74	e68
18	82	e70	e62	e53	e52	52	123	372	178	98	72	e72
19	81	e70	e61	e53	52	51	147	341	173	97	70	e70
20	81	e70	e59	e53	53	55	133	330	167	96	70	e67
21	81	e70	e59	e54	53	63	122	311	160	92	74	e67
22	80	e70	e59	e54	53	66	112	286	154	89	e77	e67
23	78	e70	e59	e54	52	70	114	277	156	89	e73	e66
24	79	e70	e59	e55	50	76	113	280	153	89	e68	e65
25	84	e71	e60	e56	49	79	137	290	137	89	e67	e62
26	83	e70	e59	e58	49	81	e140	298	134	89	e68	e61
27	79	e69	e58	e56	45	74	167	298	133	90	e67	e61
28	77	e72	e56	e55	49	76	192	290	130	84	e65	e62
29	76	e72	e55	e54	---	77	222	281	125	82	e63	e63
30	80	e74	e54	e53	---	78	215	271	123	80	e61	e63
31	83	---	e54	e53	---	77	---	263	---	79	e63	---
TOTAL	2575	2157	1960	1682	1460	1880	3367	8259	5567	3137	2324	1993
MEAN	83.1	71.9	63.2	54.3	52.1	60.6	112	266	186	101	75.0	66.4
MAX	92	80	72	58	57	81	222	403	263	121	100	74
MIN	76	68	54	52	45	49	77	166	123	79	61	61
AC-FT	5110	4280	3890	3340	2900	3730	6680	16380	11040	6220	4610	3950
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)												
MEAN	91.5	78.7	69.7	64.0	61.5	63.1	160	544	633	296	153	109
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

10032000 SMITHS FORK NEAR BORDER, WY--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	52324		36361			
ANNUAL MEAN	143		99.6		194	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					71.1	1977
HIGHEST DAILY MEAN	613	May 25	403	May 17	2000	Jun 4 1986
LOWEST DAILY MEAN	54	Dec 30	45	Feb 27	32	Dec 6 1993
ANNUAL SEVEN-DAY MINIMUM	57	Dec 25	50	Feb 22	35	Dec 1 1993
ANNUAL RUNOFF (AC-FT)	103800		72120		140600	
10 PERCENT EXCEEDS	342		200		519	
50 PERCENT EXCEEDS	85		74		91	
90 PERCENT EXCEEDS	65		53		59	

e Estimated



10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW¼SE¼NE¼ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1954 to current year (October 1996 to September 1998 seasonal).

REVISED RECORDS.--WDR 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, 5, 6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 718 ft^3/s, Mar 26, gage height, 4.08 ft; minimum daily discharge, 68 ft^3/s, Aug 30, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	e190	e160	e140	e140	e120	327	192	201	161	99	e70
2	239	e190	e160	e140	e140	127	302	181	197	154	99	76
3	241	e190	e160	e140	e143	e130	233	177	196	145	113	74
4	246	e190	e160	e140	e141	e130	208	166	197	140	141	73
5	248	e190	e160	e140	e146	e130	203	165	196	139	127	71
6	237	e190	e150	e150	e150	e130	205	164	e190	131	117	73
7	219	e180	e150	e160	e146	e130	214	164	e180	123	110	82
8	197	e170	e150	e160	e140	e130	215	183	174	189	101	86
9	185	e160	e150	e160	e140	e130	206	196	159	162	93	88
10	181	e160	e150	e160	e140	e130	207	191	154	152	93	83
11	e200	e160	e150	e160	e140	e130	203	164	155	145	96	80
12	e190	e160	e160	e150	e140	e130	207	174	154	144	93	78
13	e180	e160	e160	e140	e141	e130	208	185	179	159	91	78
14	e180	e160	e160	e130	e140	e130	207	204	214	154	89	79
15	e180	e160	e160	e130	e140	e130	192	263	200	146	86	79
16	e180	e160	e160	e130	e140	e130	182	337	198	140	88	78
17	e180	e160	e160	e130	e150	e140	180	373	226	134	93	79
18	e180	e160	e160	e140	e140	e160	187	360	249	168	89	87
19	e180	e160	e160	e150	e142	180	201	337	287	145	86	80
20	e180	e160	e160	e140	e144	198	191	318	299	129	86	76
21	e190	e160	e160	e140	e147	235	184	308	290	119	88	75
22	e190	e160	e170	e140	e150	257	169	301	270	112	94	74
23	e200	e160	e170	e140	e152	326	161	281	264	109	87	74
24	e200	e150	e160	e140	e150	376	136	251	249	113	78	74
25	e200	e150	e150	e135	e140	472	133	251	232	107	74	70
26	e200	e150	e140	e135	e130	549	137	253	212	106	75	69
27	e190	e160	e140	e135	e120	679	166	257	193	109	75	69
28	e190	e160	e140	e135	e120	613	176	251	190	106	73	70
29	e190	e160	e140	e135	---	498	190	251	183	108	71	70
30	e190	e160	e140	e135	---	431	193	235	169	105	68	70
31	e190	---	e140	e135	---	387	---	216	---	100	e68	---
TOTAL	6189	4980	4790	4395	3952	7568	5923	7349	6257	4154	2841	2285
MEAN	200	166	155	142	141	244	197	237	209	134	91.6	76.2
MAX	248	190	170	160	152	679	327	373	299	189	141	88
MIN	180	150	140	130	120	120	133	164	154	100	68	69
AC-FT	12280	9880	9500	8720	7840	15010	11750	14580	12410	8240	5640	4530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2001, BY WATER YEAR (WY)

MEAN	226	234	205	186	212	368	686	990	1234	586	240	205
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1955 - 2001	
ANNUAL TOTAL	92753		60683			
ANNUAL MEAN	253		166		446	
HIGHEST ANNUAL MEAN					1049	1984
LOWEST ANNUAL MEAN					112	1977
HIGHEST DAILY MEAN	617	May 26	679	Mar 27	5400	Jun 7 1983
LOWEST DAILY MEAN	102	Sep 17	68	Aug 30	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	106	Sep 15	70	Sep 24	36	Oct 1 1977
ANNUAL RUNOFF (AC-FT)	184000		120400		323000	
10 PERCENT EXCEEDS	439		243		1070	
50 PERCENT EXCEEDS	200		160		231	
90 PERCENT EXCEEDS	140		86		115	

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, 23.3°C, Jul 4, 5, 6, 2001; minimum, 0.0°C, on many days during the winter period.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 23.2°C, Jul 4, 5, 6; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
JAN													
24...	1400	144	98	11.5	7.6	571	.1	270	68.0	23.3	1.38	.5	19.7
FEB													
23...	0930	155	96	10.9	8.4	554	.3	250	63.9	21.6	1.33	.5	18.0
MAR													
18...	1000	156	101	11.5	8.3	539	1.3	230	58.3	19.8	1.63	.5	16.8
APR													
18...	1500	161	124	10.2	8.4	779	14.2	310	66.4	34.3	4.18	1	45.2
MAY													
24...	1800	262	127	9.9	8.4	443	16.4	200	56.0	15.5	.98	.4	11.5
JUN													
19...	1120	300	99	8.0	8.3	750	15.5	320	67.6	35.6	4.37	1.0	39.5
JUL													
25...	1500	108	137	10.0	8.4	590	19.9	260	62.3	26.0	1.80	.7	26.5
AUG													
07...	0940	108	101	7.7	8.2	500	18.3	220	55.1	21.2	1.36	.5	18.7
SEP													
13...	1210	87	136	10.8	8.4	463	16.2	220	58.5	18.1	1.12	.4	12.2

DATE	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)	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)
JAN													
24...	213	260	--	19.9	E.2	8.8	60.0	<.041	E.09	.12	.157	<.006	.006
FEB													
23...	202	246	--	19.5	.2	8.4	58.4	<.041	E.10	.17	.139	<.006	E.004
MAR													
18...	196	228	5	19.4	.2	7.0	60.1	<.041	.15	.25	.075	<.006	.006
APR													
18...	233	274	5	48.6	.2	9.1	103	<.041	.43	.51	<.047	<.006	.014
MAY													
24...	172	201	5	11.5	E.1	5.9	46.5	E.025	E.06	.30	E.035	<.006	.008
JUN													
19...	262	320	--	41.5	.3	15.5	77.7	<.040	1.1	1.0	<.050	E.004	.026
JUL													
25...	205	240	5	27.9	.2	8.1	72.0	<.040	.23	.35	E.041	<.006	.009
AUG													
07...	172	210	--	19.5	E.2	7.1	69.1	E.024	.20	.30	.050	E.003	.010
SEP													
13...	163	191	4	12.0	E.1	5.8	72.2	<.040	.12	.20	E.037	E.003	E.004

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JAN 24...	<.018	.017	.47	134	344	330	M	12.4	17	44
FEB 23...	<.018	.019	.43	134	319	313	M	5.2	18	43
MAR 18...	<.018	.040	.44	136	322	301	<10	30.0	5.9	14
APR 18...	<.018	.087	.67	213	490	452	M	48.9	17	39
MAY 24...	<.020	.073	.36	186	263	251	<10	29.3	30	42
JUN 19...	<.020	.140	.64	383	473	440	20	34.6	46	57
JUL 25...	<.020	.034	.48	104	356	348	<10	22.5	8.5	29
AUG 07...	<.020	.031	.44	93.3	320	296	<10	28.9	4.7	16
SEP 13...	<.020	.015	.35	61.3	260	277	M	18.6	1.6	7

DATE	TIME	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)	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)
JAN 24...	1400	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
FEB 23...	0930	<.002	<.004	<.002	<.005	<.007	E.003	<.002	<.041	<.020	<.005	<.018	<.003
MAR 18...	1000	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
APR 18...	1500	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAY 24...	1800	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
JUN 19...	1120	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
JUL 25...	1500	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
AUG 07...	0940	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
SEP 13...	1210	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003

DATE	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)	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)
JAN 24...	<.006	111	<.005	<.005	<.021	<.002	<.009	<.005	<.003	90	<.004	<.035	<.027
FEB 23...	<.006	87	<.005	<.005	<.021	<.002	<.009	<.005	<.003	91	<.004	<.035	<.027
MAR 18...	<.006	105	<.005	<.005	<.021	<.002	<.009	<.005	<.003	92	<.004	<.035	<.027
APR 18...	<.006	113	<.005	<.005	<.021	<.050	<.009	<.005	<.003	99	<.004	<.035	<.027
MAY 24...	<.006	96	<.005	<.005	<.021	<.002	<.009	<.005	<.003	90	<.004	<.035	<.027
JUN 19...	<.006	105	<.005	<.005	<.021	<.002	<.009	<.005	<.003	85	<.004	<.035	<.027
JUL 25...	<.006	101	<.005	<.005	<.021	<.002	<.009	<.005	<.003	85	<.004	<.035	E.006
AUG 07...	<.006	109	<.005	<.005	<.021	<.002	<.009	<.005	<.003	115	<.004	<.035	E.006
SEP 13...	<.006	99	<.005	<.005	<.021	<.002	<.009	<.005	<.003	95	<.004	<.035	<.027

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
JAN													
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
FEB													
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
MAR													
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
APR													
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	E.016	<.006	<.011	<.015
MAY													
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
JUN													
19...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
JUL													
25...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
AUG													
07...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.002
SEP													
13...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.003

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	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)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN												
24...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--
FEB												
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	E.003	E1
MAR												
18...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--
APR												
18...	<.004	<.010	<.011	<.023	<.011	E.005	<.034	<.017	<.005	<.002	<.090	--
MAY												
24...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	22
JUN												
19...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--
JUL												
25...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--
AUG												
07...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	74
SEP												
13...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009	--

E Estimated value.
< Actual value is known to be less than the value shown.

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	10.4	12.3	5.8	3.6	4.5	.1	.0	.0	.1	.0	.0
2	13.5	10.8	12.0	3.6	1.6	2.7	.1	.0	.0	.1	.0	.0
3	13.7	10.6	12.0	3.3	.3	1.9	.0	.0	.0	.1	.0	.0
4	12.0	8.7	10.5	3.3	.3	1.9	.1	.0	.0	.1	.0	.0
5	10.8	7.5	9.2	2.7	1.1	1.7	.1	.0	.0	.1	.0	.0
6	10.0	6.1	8.2	2.2	.4	1.2	.1	.0	.0	.1	.0	.0
7	9.8	5.8	7.9	1.9	.0	.6	.1	.0	.0	.1	.0	.0
8	9.7	5.6	7.8	.3	.0	.1	.1	.0	.0	.1	.0	.0
9	9.5	5.3	7.7	1.1	.0	.4	.1	.0	.0	.1	.0	.0
10	8.9	7.2	8.0	.8	.0	.2	.1	.0	.0	.1	.0	.0
11	8.4	6.7	7.4	.9	.0	.2	.1	.0	.0	.1	.0	.0
12	7.8	4.9	6.4	.3	.0	.0	.1	.0	.0	.1	.0	.0
13	7.5	5.6	6.4	.4	.0	.1	.1	.0	.0	.1	.0	.0
14	8.4	6.0	7.0	.4	.0	.1	.1	.0	.0	.1	.0	.0
15	8.0	5.2	6.7	.4	.0	.1	.1	.0	.0	.1	.0	.0
16	8.7	5.2	7.0	.3	.0	.0	.1	.0	.0	.0	.0	.0
17	9.2	5.5	7.4	.1	.0	.0	.1	.0	.0	.1	.0	.0
18	9.7	6.0	7.9	.1	.0	.0	.1	.0	.0	.1	.0	.0
19	9.4	6.4	7.9	.1	.0	.0	.0	.0	.0	.1	.0	.0
20	8.9	5.8	7.5	.1	.0	.0	.1	.0	.0	.1	.0	.0
21	8.7	6.4	7.5	.1	.0	.0	.1	.0	.0	.1	.0	.0
22	7.0	5.2	6.0	.3	.0	.0	.1	.0	.0	.1	.0	.0
23	7.5	4.2	5.7	.3	.0	.0	.3	.0	.0	.1	.0	.0
24	8.0	6.1	7.1	.1	.0	.0	.1	.0	.0	.1	.0	.0
25	8.6	7.0	7.7	.3	.0	.0	.1	.0	.0	.1	.0	.0
26	8.1	5.6	7.0	.3	.0	.0	.1	.0	.0	.1	.0	.0
27	8.1	6.1	7.2	.3	.0	.0	.1	.0	.0	.1	.0	.0
28	7.8	6.4	7.1	.4	.0	.1	.0	.0	.0	.1	.0	.0
29	7.5	5.3	6.6	.1	.0	.0	.0	.0	.0	.1	.0	.0
30	8.3	6.3	7.3	.3	.0	.0	.1	.0	.0	.1	.0	.0
31	7.0	5.3	6.2	---	---	---	.1	.0	.0	.1	.0	.0
MONTH	14.0	4.2	7.8	5.8	.0	.5	.3	.0	.0	.1	.0	.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.1	.0	.0	.4	.0	.1	9.9	7.4	8.5	13.1	9.8	11.5
2	.1	.0	.0	.6	.0	.1	9.1	7.2	8.4	10.3	7.0	8.8
3	.3	.0	.0	.9	.0	.2	7.2	5.5	6.0	8.1	6.4	7.4
4	.3	.0	.1	.8	.0	.1	6.9	4.4	5.8	11.4	4.5	7.9
5	.3	.0	.1	1.2	.0	.4	7.7	5.2	6.4	13.1	7.7	10.3
6	.1	.0	.0	1.6	.0	.6	8.1	6.1	6.9	12.7	7.8	10.3
7	.3	.0	.0	2.0	.0	.8	8.0	5.6	6.5	13.6	7.5	10.6
8	.1	.0	.0	2.4	.0	.8	7.5	4.7	6.2	15.6	9.1	12.3
9	.1	.0	.0	2.0	.0	.8	8.7	3.9	6.2	15.3	10.9	13.2
10	.1	.0	.0	2.8	.3	1.4	8.5	4.6	6.7	15.5	10.6	13.1
11	.3	.0	.0	3.5	.3	1.6	7.3	4.6	6.2	16.1	9.9	13.0
12	.3	.0	.0	1.9	.0	.9	7.8	5.6	6.4	15.3	10.6	13.1
13	.1	.0	.0	3.8	.1	1.7	8.2	4.2	6.2	15.9	10.9	13.2
14	.3	.0	.0	2.7	.0	1.1	8.2	6.0	7.1	16.3	10.7	13.5
15	.1	.0	.0	3.6	.0	1.5	10.3	5.1	7.7	15.4	12.2	13.7
16	.3	.0	.1	3.0	.0	1.5	12.3	7.2	9.8	14.3	11.2	12.5
17	.3	.0	.0	3.9	.0	1.7	14.3	8.9	11.7	14.4	10.7	12.4
18	.3	.0	.1	5.3	.6	2.7	15.1	10.3	12.9	13.6	10.9	12.2
19	.3	.0	.1	5.8	1.2	3.6	13.9	10.6	12.2	15.0	9.8	12.2
20	.3	.0	.1	4.9	2.4	3.7	12.0	9.1	10.5	13.0	9.9	11.6
21	.4	.0	.1	4.8	2.4	3.4	10.0	7.4	8.3	12.3	6.9	9.5
22	.4	.0	.1	5.7	1.8	3.5	10.2	5.6	7.9	14.6	8.6	11.4
23	.4	.0	.1	6.2	1.3	3.4	9.4	6.2	8.2	16.5	10.6	13.4
24	.4	.0	.1	5.4	1.7	3.2	12.7	6.5	9.5	16.4	11.8	14.3
25	.4	.0	.1	4.0	1.3	2.5	15.2	9.1	12.0	18.2	12.5	15.2
26	.6	.0	.1	6.7	3.7	5.0	16.1	11.0	13.6	15.9	13.0	14.2
27	.4	.0	.1	6.8	3.6	5.5	15.8	11.5	13.8	17.7	11.9	14.7
28	.4	.0	.1	7.2	5.1	6.1	15.5	12.1	13.8	15.2	12.9	14.0
29	---	---	---	7.9	5.7	6.8	15.2	10.8	13.0	16.5	10.7	13.5
30	---	---	---	7.2	5.7	6.4	14.3	10.1	12.4	16.7	11.5	14.0
31	---	---	---	8.2	5.1	6.7	---	---	---	17.6	11.7	14.6
MONTH	.6	.0	.1	8.2	.0	2.5	16.1	3.9	9.0	18.2	4.5	12.3

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.2	12.6	15.9	21.9	16.0	19.1	20.5	14.8	17.7	18.3	13.2	15.9
2	17.6	14.8	16.2	22.4	17.0	19.6	21.4	15.1	18.2	18.6	13.8	16.5
3	15.6	12.5	14.1	23.0	17.2	20.1	19.7	16.5	18.3	18.0	14.0	16.2
4	12.5	10.0	11.0	23.2	18.1	20.7	21.9	16.5	19.0	18.9	13.7	16.5
5	11.9	7.4	9.8	23.2	18.6	20.9	22.5	16.8	19.5	18.0	14.9	16.4
6	15.8	8.5	12.1	23.2	18.6	20.8	22.5	16.8	19.8	16.2	11.4	13.9
7	18.2	11.4	14.8	21.0	19.1	20.0	22.2	18.1	20.2	12.1	9.5	11.0
8	18.5	13.1	15.9	21.7	17.6	19.3	22.7	17.5	20.1	13.2	7.8	10.5
9	19.6	13.9	16.7	21.4	17.2	19.1	22.4	17.6	19.8	14.2	8.3	11.2
10	18.9	13.8	16.5	20.5	17.2	19.0	22.5	17.0	19.7	15.3	9.5	12.4
11	18.7	13.5	16.2	20.5	17.2	18.9	21.2	16.7	19.0	16.2	10.3	13.3
12	16.9	9.8	13.3	20.4	16.4	18.6	20.9	15.6	18.1	16.5	12.6	14.7
13	10.1	7.6	9.0	20.5	16.2	18.4	18.4	16.0	17.3	17.2	13.2	15.3
14	12.7	7.1	9.9	20.2	16.5	18.4	20.7	15.3	17.9	16.4	12.8	14.8
15	16.3	9.6	12.9	20.2	15.7	17.8	18.9	15.6	17.0	17.0	12.3	14.7
16	18.4	12.0	15.4	19.6	14.5	17.0	20.1	14.2	17.2	16.7	12.4	14.6
17	18.0	14.0	16.2	19.7	14.5	17.1	20.9	14.9	17.9	16.1	13.1	14.2
18	18.8	13.8	16.3	19.4	14.9	17.2	20.7	15.7	18.1	15.6	10.8	13.3
19	18.4	13.5	16.2	19.4	14.8	17.2	20.2	15.1	17.7	15.5	11.1	13.3
20	20.1	14.0	17.1	20.5	14.6	17.6	19.1	15.4	17.2	15.7	10.8	13.4
21	21.4	15.4	18.5	20.5	15.1	17.8	17.2	14.9	16.0	15.7	10.6	13.2
22	21.7	16.7	19.4	20.5	15.1	17.9	18.9	12.8	15.9	15.5	10.6	13.2
23	21.7	16.8	19.4	20.7	15.1	18.0	19.7	14.3	17.0	15.7	10.2	13.0
24	22.0	17.2	19.8	21.0	15.6	18.3	18.9	14.3	16.5	15.4	10.7	13.2
25	21.5	17.2	19.6	20.9	15.6	18.2	19.6	13.4	16.5	15.0	10.9	13.1
26	20.5	17.5	19.2	19.3	16.5	18.0	20.2	13.8	17.1	15.6	11.1	13.3
27	20.5	16.4	18.7	20.7	15.1	17.8	19.4	14.5	17.2	15.9	11.1	13.5
28	21.4	15.7	18.7	20.1	15.4	17.8	19.9	14.3	17.2	15.0	10.6	12.9
29	20.9	16.0	18.7	20.4	14.8	17.6	19.4	14.2	17.0	14.6	11.2	13.0
30	21.2	15.7	18.6	20.5	14.8	17.7	17.1	14.3	15.6	15.8	10.4	12.9
31	---	---	---	20.4	14.8	17.5	17.3	14.0	15.7	---	---	---
MONTH	22.0	7.1	15.9	23.2	14.5	18.5	22.7	12.8	17.8	18.9	7.8	13.8
YEAR	23.2	.0	8.2									

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼NE¼ sec. 15, T. 14 S., R. 46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas ForBBe

DRAINAGE AREA.--2,486 mi^2.

PERIOD OF RECORD.--October 1937 to September 1996, October 1996 to September 2000 (seasonal), October 2000 to September 2001.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above sea level, unadjusted.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s, Jun 7, 1983, gage height, 9.69 ft; minimum, 24 ft^3/s, Apr 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 707 ft^3/s, Mar 27, gage height, 3.69 ft; minimum daily discharge, 42 ft^3/s, Aug 30, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	176	e160	e140	e130	e120	384	172	172	126	84	45
2	202	182	e160	e140	e120	e120	343	113	168	120	70	48
3	201	177	e160	e140	e120	e120	304	113	167	109	73	45
4	203	172	e160	e140	e120	e130	256	106	168	100	92	43
5	202	181	e160	e140	e120	e130	242	104	169	97	92	43
6	193	185	e160	e150	e120	e130	239	105	161	87	82	44
7	178	e180	e150	e160	e120	e130	246	104	136	125	78	45
8	158	e160	e150	e160	e120	e130	251	114	124	135	71	48
9	145	e150	e150	e160	e120	e130	245	160	115	124	65	51
10	144	e160	e150	e160	e120	e130	237	158	116	117	62	51
11	157	e160	e150	e160	e130	e130	233	121	115	114	62	48
12	147	e150	e160	e150	e130	e130	230	106	125	119	63	46
13	138	e160	e160	e140	e130	e130	230	104	161	125	61	47
14	142	e160	e160	e130	e130	e130	223	123	156	132	60	49
15	142	e160	e160	e130	e130	e130	218	202	152	123	58	51
16	133	e170	e170	e130	e130	e130	207	277	161	116	58	51
17	131	e160	e160	e130	e130	e140	201	322	183	110	59	49
18	135	e160	e160	e140	e130	e150	201	318	217	122	58	52
19	131	e160	e160	e150	e140	e160	212	302	240	134	56	54
20	130	e160	e160	e140	e150	e170	223	283	236	111	54	46
21	136	e160	e160	e130	e150	e200	207	274	223	100	55	45
22	146	e160	e160	e130	e150	e250	201	266	214	95	58	44
23	149	e160	e160	e130	e150	e300	182	250	204	90	57	44
24	160	e150	e160	e140	e150	e400	169	222	187	92	50	45
25	175	e150	e150	e140	e140	e480	135	220	169	92	47	45
26	184	e150	e140	e130	e130	481	136	218	153	92	46	43
27	176	e160	e140	e120	e120	646	163	224	149	91	46	46
28	172	e160	e140	e120	e120	630	181	220	148	92	43	47
29	171	e160	e140	e120	---	580	172	213	137	91	43	47
30	170	e160	e140	e120	---	478	178	209	130	91	42	49
31	177	---	e140	e120	---	431	---	190	---	86	42	---
TOTAL	5030	4893	4790	4290	3650	7546	6649	5913	4956	3358	1887	1411
MEAN	162	163	155	138	130	243	222	191	165	108	60.9	47.0
MAX	203	185	170	160	150	646	384	322	240	135	92	54
MIN	130	150	140	120	120	120	135	104	115	86	42	43
AC-FT	9980	9710	9500	8510	7240	14970	13190	11730	9830	6660	3740	2800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	213	228	199	184	210	384	754	1031	1179	539	229	181
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	51.4	81.2	106	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	54373			
ANNUAL MEAN	149		433	
HIGHEST ANNUAL MEAN			1068	1983
LOWEST ANNUAL MEAN			103	1977
HIGHEST DAILY MEAN	646	Mar 27	4840	Jun 8 1983
LOWEST DAILY MEAN	42	Aug 30	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	44	Aug 26	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	107800		314000	
10 PERCENT EXCEEDS	223		1180	
50 PERCENT EXCEEDS	140		230	
90 PERCENT EXCEEDS	52		110	

e Estimated

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW¼SW¼SE¼ sec. 3, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above 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 NE¼ sec. 34, T. 13 S., R. 44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

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

AVERAGE DISCHARGE.--79 years, 369 ft^3/s, 267,300 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	148	e163	e138	e110	e107	445	e3.6	e3.6	e3.6	e4.6	e4.6
2	132	147	e163	e143	e110	e107	411	e3.6	e3.6	e3.6	e4.6	e4.6
3	135	149	e167	e144	e110	e107	390	e3.6	e3.6	e4.6	e4.6	e4.6
4	134	152	e163	e138	e107	e110	362	e3.6	e3.6	e4.6	e4.6	e4.6
5	136	143	e163	e135	e107	e110	327	e3.6	e3.6	e4.6	e4.6	e4.6
6	139	146	e159	e133	e107	e107	314	e3.6	e3.6	e4.6	e4.6	e4.6
7	138	e145	e159	e134	e107	e107	329	e3.6	e3.6	e4.6	e4.6	e4.6
8	130	e144	e159	e139	e107	e107	304	e3.6	e3.6	e4.6	e4.6	e4.6
9	115	e139	e167	e133	e107	e107	303	e3.6	e3.6	e4.6	e4.6	e4.6
10	115	e138	e163	e127	e107	e107	291	e3.6	e3.6	e4.6	e4.6	e4.6
11	123	e137	e163	e122	e110	e107	286	e3.6	e3.6	e4.6	e4.6	e4.6
12	132	e133	e163	e133	e110	e110	271	e3.6	e3.6	e4.6	e4.6	e4.6
13	139	e139	e167	e134	e110	e110	274	e3.6	e3.6	e4.6	e4.6	e4.6
14	127	e149	e167	e139	e107	e107	259	e3.6	e3.6	e4.6	e4.6	e4.6
15	130	e155	e167	e126	e107	e120	254	e3.6	e3.6	e4.6	e4.6	e4.6
16	139	e155	e163	e121	e110	e130	247	e3.6	e3.6	e4.6	e4.6	e4.6
17	128	e155	e159	e125	e110	e133	236	e3.6	e3.6	e4.6	e4.6	e4.6
18	123	e151	e159	e123	e110	163	236	e3.6	e3.6	e4.6	e4.6	e4.6
19	126	e151	e163	e111	e107	192	229	e3.6	e3.6	e4.6	e4.6	e4.6
20	121	e159	e167	e106	e107	206	229	e3.6	e3.6	e4.6	e4.6	e4.6
21	114	e151	e167	e110	e107	235	233	e3.6	e3.6	e4.6	e4.6	e4.6
22	116	e155	e167	e111	e110	279	217	e3.6	e3.6	e4.6	e4.6	e4.6
23	125	e155	e167	e112	e107	345	229	e3.6	e3.6	e4.6	e4.6	e4.6
24	127	e151	e167	e110	e107	393	223	e3.6	e3.6	e4.6	e4.6	e4.6
25	148	e151	e167	e113	e107	442	213	e3.6	e3.6	e4.6	e4.6	e4.6
26	154	e151	e167	e113	e107	516	213	e3.6	e3.6	e4.6	e4.6	e4.6
27	157	e151	e159	e110	e110	535	220	e3.6	e3.6	e4.6	e4.6	e4.6
28	137	e155	e159	e107	e110	656	126	e3.6	e3.6	e4.6	e4.6	e4.6
29	144	e155	e167	e110	---	614	33	e3.6	e3.6	e4.6	e4.6	e4.6
30	143	e159	e167	e110	---	569	e3.6	e3.6	e3.6	e4.6	e4.6	e4.6
31	138	---	e167	e110	---	480	---	e3.6	---	e4.6	e4.6	---
TOTAL	4088	4469	5085	3820	3032	7518	7707.6	111.6	108.0	140.6	142.6	138.0
MEAN	132	149	164	123	108	243	257	3.60	3.60	4.54	4.60	4.60
MAX	157	159	167	144	110	656	445	3.6	3.6	4.6	4.6	4.6
MIN	114	133	159	106	107	107	3.6	3.6	3.6	3.6	4.6	4.6
AC-FT	8110	8860	10090	7580	6010	14910	15290	221	214	279	283	274

CAL YR 2000 TOTAL 58343 MEAN 159 MAX 446 MIN 18 AC-FT 115700
WTR YR 2001 TOTAL 36360.4 MEAN 99.6 MAX 656 MIN 3.6 AC-FT 72120

e Estimated

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE¼ sec. 16, T. 15 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 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, 937,000 acre-ft Apr 21-30, elevation 5916.71 ft; minimum contents, 596,800 acre-ft Sep 27-30, elevation 5,911.60.

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	866	851	848	859	874	893	912	936	q896	806	712	632
2	865	851	849	860	874	894	914	936	893	802	709	629
3	864	851	849	860	875	895	915	936	891	798	707	627
4	863	851	849	861	876	895	917	935	888	794	705	624
5	862	851	849	861	876	895	919	935	886	791	702	622
6	861	851	849	861	876	896	921	934	883	787	699	620
7	860	851	849	862	877	896	923	933	880	783	696	618
8	859	851	849	862	878	897	925	932	878	781	693	616
9	859	850	849	863	878	897	927	932	876	778	690	615
10	858	849	850	863	880	898	927	931	874	775	687	613
11	858	849	850	864	880	899	928	930	871	772	684	611
12	858	849	851	864	880	899	929	930	868	770	680	609
13	858	849	851	864	883	899	930	929	865	768	677	607
14	857	848	853	864	883	899	930	927	863	765	674	605
15	857	848	853	865	884	900	931	925	860	763	671	603
16	857	848	854	866	884	900	932	921	857	761	668	602
17	856	848	855	866	885	901	933	919	854	760	665	600
18	856	848	856	866	886	902	934	919	851	757	662	598
19	855	848	856	867	887	902	935	916	849	757	661	598
20	855	848	857	868	887	903	936	914	847	754	659	597
21	854	848	857	868	888	903	937	912	843	752	656	597
22	853	848	857	867	889	904	937	911	840	749	654	597
23	853	848	857	870	889	904	937	910	836	746	651	597
24	853	848	858	870	890	905	937	910	833	742	647	597
25	853	848	858	871	891	906	937	909	829	738	647	597
26	853	848	858	871	892	906	937	908	825	735	645	597
27	852	848	858	872	893	907	937	908	821	731	643	596
28	852	848	858	872	893	908	937	907	817	727	641	596
29	851	848	859	873	---	910	937	906	813	723	639	596
30	851	848	859	874	---	910	937	905	810	720	636	596
31	851	---	859	874	---	911	---	900	---	716	634	---
MAX	866	851	859	874	893	911	937	936	896	806	712	632
MIN	851	848	848	859	874	893	912	900	810	716	634	596
(#)	5915.45	5915.40	5915.56	5915.79	5916.07	5916.33	5916.71	5916.16	5914.83	5913.43	5912.18	5911.60
(*)	-15	-3	+11	+15	+19	+18	+26	-37	-90	-94	-82	-38

CAL YR 2000.....(*) -256
WTR YR 2001.....(*) -270

(#) 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 SW¼NW¼SW¼ 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 except for estimated daily discharges, which are poor. 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.--79 years, 419 ft^3/s, 303,600 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	979	1430	1410	761
2	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	985	1430	1290	783
3	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	121	999	1440	1170	744
4	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	312	998	1430	1200	747
5	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	324	1000	1420	1220	744
6	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	327	1010	1290	1220	604
7	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	325	1010	1200	1220	306
8	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	318	1010	1230	1210	33
9	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	318	1090	1240	1210	e5.0
10	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	323	1170	1250	1210	e5.0
11	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	417	1200	1250	1200	e5.0
12	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	551	1230	1200	1120	e5.0
13	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	678	1220	1140	1080	e5.0
14	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	826	1210	1140	1100	e5.0
15	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	954	1190	1150	1090	e5.0
16	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1070	1160	1060	1100	e5.0
17	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1070	1030	940	1010	e5.0
18	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1080	972	939	955	e5.0
19	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1090	1040	942	976	e5.0
20	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	951	1100	1040	905	e5.0
21	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	753	1170	1220	860	e5.0
22	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	748	1200	1260	850	e5.0
23	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	744	1210	1250	763	e5.0
24	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	736	1320	1240	542	e5.0
25	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	734	1430	1230	516	e5.0
26	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	732	1430	1280	519	e5.0
27	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	737	1440	1350	519	e5.0
28	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	732	1430	1390	557	e5.0
29	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	734	1440	1400	531	e5.0
30	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	858	1430	1420	538	e5.0
31	e5.0	---	e5.0	e5.0	---	e5.0	---	976	---	1410	621	---
TOTAL	155.0	150.0	155.0	155.0	140.0	155.0	150.0	19549.0	35103	38611	29712	4832.0
MEAN	5.00	5.00	5.00	5.00	5.00	5.00	5.00	631	1170	1246	958	161
MAX	5.0	5.0	5.0	5.0	5.0	5.0	5.0	1090	1440	1440	1410	783
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	972	939	516	5.0
AC-FT	307	298	307	307	278	307	298	38780	69630	76580	58930	9580

CAL YR 2000 TOTAL 158695.0 MEAN 434 MAX 1380 MIN 5.0 AC-FT 314800
WTR YR 2001 TOTAL 128867.0 MEAN 353 MAX 1440 MIN 5.0 AC-FT 255600

e Estimated

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec. 6, T. 12 S., R. 44 E., Bear Lake County, Hydrologic Unit 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.

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 poor. Flow regulated by Bear Lake (station 10055500) and diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft^3/s, Jun 21, 1986; minimum daily, 23 ft^3/s, Mar 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 ft^3/s, Jul 3, gage height, 5.70 ft; minimum daily discharge, 30 ft^3/s, Sep 21, 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	66	e76	e62	e62	e62	165	59	1040	1580	1470	697
2	117	70	e78	e62	e64	e63	163	51	1040	1580	1460	823
3	92	64	e76	e62	e66	e64	162	58	1040	1620	1280	779
4	82	62	e74	e60	e66	e70	162	299	1040	1640	1230	775
5	75	63	e76	e60	e65	e72	176	375	1050	1610	1270	774
6	70	64	e76	e59	e64	e72	178	379	1050	1560	1290	756
7	70	67	e74	e58	e62	e73	182	384	1050	1380	1290	525
8	68	e66	e70	e60	e60	e74	186	380	1050	1360	1280	280
9	64	e65	e68	e58	e59	e78	183	377	1070	1370	1270	107
10	64	e65	e66	e58	e61	e85	171	374	1240	1380	1270	48
11	67	e66	e65	e58	e62	e96	153	384	1290	1370	1270	41
12	60	e70	e65	e58	e63	e110	147	545	1290	1360	1250	39
13	63	e75	e66	e58	e62	130	127	652	1300	1270	1160	38
14	64	e74	e68	e60	e63	152	124	746	1300	1240	1160	37
15	62	e73	e69	e62	e62	135	118	897	1300	1230	1160	36
16	61	e69	e69	e64	e64	116	114	1090	1300	1230	1160	34
17	61	e67	e68	e65	e65	108	109	1140	1270	1070	1150	33
18	62	e66	e66	e65	e65	86	105	1160	1110	1010	1020	32
19	67	e67	e64	e64	e65	90	101	1160	1150	995	1010	31
20	68	e67	e63	e62	e65	103	94	1140	1180	1010	1000	31
21	69	e67	e64	e58	e66	141	88	877	1260	1230	926	e30
22	66	e67	e66	e61	e68	192	90	794	1290	1310	913	e30
23	66	e66	e68	e63	e68	269	90	789	1330	1310	895	e31
24	66	e67	e66	e64	e68	366	92	786	1360	1300	723	e31
25	72	e68	e66	e65	e67	412	90	788	1520	1290	586	e32
26	71	e70	e68	e65	e66	393	88	796	1560	1300	569	e32
27	67	e71	e68	e65	e64	368	89	807	1560	1370	565	e33
28	66	e72	e67	e64	e63	318	83	814	1560	1420	571	e33
29	64	e73	e66	e64	---	273	58	821	1580	1460	587	e34
30	65	e74	e64	e63	---	233	61	831	1580	1460	564	e34
31	69	---	e62	e62	---	197	---	1000	---	1460	573	---
TOTAL	2269	2041	2122	1909	1795	5001	3749	20753	37760	41775	31922	6236
MEAN	73.2	68.0	68.5	61.6	64.1	161	125	669	1259	1348	1030	208
MAX	191	75	78	65	68	412	186	1160	1580	1640	1470	823
MIN	60	62	62	58	59	62	58	51	1040	995	564	30
AC-FT	4500	4050	4210	3790	3560	9920	7440	41160	74900	82860	63320	12370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2001, BY WATER YEAR (WY)

MEAN	469	479	482	440	395	404	442	580	945	1192	1022	676
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1923 - 2001	
ANNUAL TOTAL	205183		157332			
ANNUAL MEAN	561		431		630	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1760	Jun 23	1640	Jul 4	4280	Jun 21 1986
LOWEST DAILY MEAN	60	Oct 12	30	Sep 21	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	62	Oct 12	31	Sep 18	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	407000		312100		456700	
10 PERCENT EXCEEDS	1430		1290		1340	
50 PERCENT EXCEEDS	416		82		518	
90 PERCENT EXCEEDS	66		60		76	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec. 29, T. 9 S., R. 42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi^2.

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WDR 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.--48 years, 724 ft^3/s, 524,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft^3/s, Jun 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum daily discharge, 37 ft^3/s, Sep 30, 2001.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	133	e120	e103	e103	e122	306	167	1040	1490	1450	611
2	193	133	e122	e103	e105	e120	286	162	1050	1480	1460	764
3	149	133	e120	e103	e103	e118	286	154	1050	1500	1340	802
4	137	133	e122	e101	e103	e122	286	190	1040	1560	1220	761
5	140	133	e120	e101	e103	e120	286	443	1060	1540	1230	759
6	133	133	e122	e101	e103	e118	309	458	1060	1510	1260	758
7	131	e133	e122	e101	e103	e120	325	463	1050	1380	1260	644
8	131	e133	e120	e101	e103	e118	341	452	1050	1300	1270	400
9	132	e133	e122	e103	e101	e120	317	452	1040	1310	1250	226
10	132	e133	e120	e103	e103	e122	297	438	1150	1320	1250	113
11	149	e133	e120	e103	e101	e144	274	428	1260	1320	1260	76
12	144	e133	e122	e101	e103	e159	260	503	1300	1290	1260	58
13	147	e133	e122	e101	e103	e162	246	649	1310	1240	1190	52
14	153	e133	e120	e101	e103	e170	232	748	1320	1180	1140	52
15	145	e133	e120	e101	e101	e172	222	896	1310	1180	1150	50
16	143	e133	e118	e101	e103	e172	216	1110	1300	1170	1140	50
17	141	e133	e120	e103	e101	e175	209	1230	1280	1080	1120	45
18	136	e133	e118	e103	e101	e191	203	1250	1140	970	1040	48
19	135	e133	e116	e103	e101	198	206	1240	1090	957	981	48
20	137	e133	e116	e103	e103	208	203	1230	1120	951	994	50
21	141	e133	e114	e101	e103	252	200	1050	1160	1090	941	48
22	142	e133	e114	e101	e101	330	188	873	1230	1280	897	45
23	137	e133	e112	e101	e103	366	176	839	1250	1300	895	44
24	138	e133	e109	e101	e105	451	182	825	1280	1300	824	42
25	150	e133	e109	e101	e109	520	179	818	1390	1290	621	40
26	146	e133	e109	e101	e114	555	179	818	1490	1290	563	40
27	143	e133	e107	e101	e120	514	182	824	1490	1340	556	40
28	139	e133	e105	e99	e120	498	187	831	1500	1400	554	39
29	136	e133	e105	e99	---	437	187	844	1490	1440	581	39
30	135	e133	e105	e103	---	381	165	831	1490	1460	563	37
31	142	---	e105	e103	---	334	---	942	---	1430	562	---
TOTAL	4560	3990	3596	3151	2925	7589	7135	22158	36790	40348	31822	6781
MEAN	147	133	116	102	104	245	238	715	1226	1302	1027	226
MAX	303	133	122	103	120	555	341	1250	1500	1560	1460	802
MIN	131	133	105	99	101	118	165	154	1040	951	554	37
AC-FT	9040	7910	7130	6250	5800	15050	14150	43950	72970	80030	63120	13450

CAL YR 2000 TOTAL 216859 MEAN 593 MAX 1630 MIN 105 AC-FT 430100
WTR YR 2001 TOTAL 170845 MEAN 468 MAX 1560 MIN 37 AC-FT 338900

e Estimated

10079000 SODA POINT RESERVOIR AT ALEXANDER, ID

LOCATION.--Lat 42°38'41", long 111°42'44", in NW¼SE¼NW¼ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, 0.5 mi Southeast of Alexander, 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

GAGE.--Elevation of gage is 5,600 ft, PacifiCorp datum.

REMARKS.--Records good.

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, 14,830 acre-ft Sep 10, elevation, 5720.16; minimum contents, 8,439 acre-ft Mar 31, elevation 5712.77.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13220	13470	12660	12960	12810	13580	8445	13240	12970	12730	12930	12830
2	13250	13280	12690	13040	12890	13400	8452	13240	12900	12710	12950	12700
3	13320	13090	12770	13110	12950	13260	8872	13340	12880	12690	13200	12760
4	13420	12910	12840	13200	13010	13120	9356	13430	13870	12760	13200	12830
5	13490	12690	12920	13280	13070	12970	9830	13690	13870	12880	13070	12840
6	13570	12620	13000	13370	13170	12820	10280	13870	12840	13080	12990	12890
7	13660	12700	13000	13450	13230	12710	10780	13880	12820	13310	12940	13720
8	13730	12760	13160	13510	13070	12800	11350	13870	12790	13280	12910	14470
9	13810	12870	13270	13570	13300	12980	11820	13870	12740	13160	12840	14760
10	13810	13040	13400	13640	13340	13130	12220	13850	12710	13060	12780	14830
11	14060	13140	13480	13720	13410	13320	12550	13800	12910	13000	12710	14720
12	13920	13280	13550	13800	13500	13480	12840	13520	12170	12910	12870	14530
13	13760	13350	13640	13880	13570	13600	12840	13280	13140	12790	13070	14430
14	13660	13470	13760	13980	13640	13720	12790	13220	13040	12870	13110	14260
15	13540	13570	13870	14050	13710	13820	12760	13020	13370	12870	13090	14100
16	13380	13700	13890	13980	13770	13690	12670	13140	13750	13010	13120	13960
17	13240	13760	13890	13810	13830	12940	12660	13580	14100	13240	13120	13860
18	13070	13830	13940	13670	13900	11880	12670	13610	14390	13280	13300	13800
19	12900	13760	14010	13550	13970	11450	12660	13610	14430	13210	13330	13710
20	12760	13960	14040	13440	14080	14550	12670	13570	14420	13180	13300	13620
21	12600	14040	14130	13330	14140	10190	12690	13970	14210	12820	13500	13520
22	12730	13910	13900	13220	14210	9746	12690	14070	14080	12780	13560	13420
23	12850	13760	13700	13090	14330	9342	12640	13920	13980	12930	13570	13350
24	12980	13590	13480	12990	14390	8968	12590	13870	13980	12940	13420	13270
25	13120	13450	13280	12860	14270	8763	12540	13810	13730	12880	13420	13200
26	13290	13320	13060	12780	14120	8703	12580	13770	13520	12800	13440	13140
27	13440	13190	12800	12690	13940	8590	12710	13730	13420	12720	13460	13080
28	13570	13060	12590	12590	13760	8656	12840	13760	13170	12640	13460	13020
29	13700	12910	12660	12620	---	8669	12950	13750	12940	12610	13310	12950
30	13830	12760	12740	12690	---	8537	13070	13750	12940	12710	13310	12870
31	13660	---	12850	12740	---	8439	---	13750	---	12810	13010	---
MAX	14060	14040	14130	14050	14390	14550	13070	14070	14430	13310	13570	14830
MIN	12600	12620	12590	12590	12810	8439	8445	13020	12170	12610	12710	12700
(#)	5719.04	5718.12	5718.22	5718.11	5719.14	5712.77	5718.45	5719.13	5718.31	5718.18	5718.38	5718.24
(*)	+480	-900	+90	-110	+1020	-5321	+4631	+680	-810	-130	+200	-140

CAL YR 2000.....(*) +560
WTR YR 2001.....(*) -310

(#) 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 NE¼SW¼NW¼ 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.--WDR 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.--89 years, 808 ft^3/s, 585,400 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	368	169	104	118	246	363	108	971	1620	1400	883
2	318	363	128	104	118	251	173	104	952	1630	1280	885
3	195	357	128	104	118	251	113	104	943	1630	1280	895
4	200	357	132	104	118	246	118	104	952	1650	1280	888
5	200	312	132	108	123	251	123	246	961	1610	1280	735
6	200	186	132	108	123	261	128	417	952	1510	1280	611
7	195	140	128	104	118	177	128	461	952	1520	1250	554
8	191	140	128	108	118	118	128	455	952	1510	1240	549
9	186	140	128	108	118	113	128	448	952	1490	1240	550
10	182	140	128	108	108	123	128	442	952	1490	1230	552
11	302	136	128	108	104	118	132	522	1040	1490	1270	553
12	380	136	128	108	104	128	241	623	1140	1480	1270	554
13	374	136	128	108	104	136	286	661	1240	1340	1270	556
14	374	136	128	108	108	136	286	758	1090	1260	1280	557
15	368	136	128	164	108	225	286	835	971	1270	1280	559
16	368	136	123	220	108	461	251	835	971	1180	1130	464
17	368	132	123	220	108	608	230	1050	980	1110	1060	415
18	363	132	123	220	108	601	235	1140	989	1110	1070	416
19	363	136	123	220	108	601	235	1140	999	1070	1070	417
20	357	136	128	220	108	601	230	971	1130	1180	1070	418
21	230	225	225	220	108	593	225	835	1230	1270	1150	e525
22	169	276	286	220	113	601	225	835	1250	1270	1200	e446
23	169	271	286	220	113	615	225	792	1280	1350	1190	e306
24	169	271	286	220	191	623	220	766	1440	1410	1180	e308
25	169	271	286	220	246	623	186	750	1610	1400	1240	e309
26	169	271	286	220	246	623	118	741	1680	1400	1240	e310
27	164	271	286	215	246	557	118	741	1730	1460	1240	e311
28	164	266	160	152	246	550	118	741	1750	1480	1190	e317
29	164	266	104	118	---	536	118	800	1740	1470	1080	e318
30	302	266	104	118	---	488	113	943	1670	1480	990	e365
31	374	---	104	118	---	386	---	971	---	1480	917	---
TOTAL	8175	6509	5006	4797	3757	11847	5608	20339	35469	43620	37147	15526
MEAN	264	217	161	155	134	382	187	656	1182	1407	1198	518
MAX	448	368	286	220	246	623	363	1140	1750	1650	1400	895
MIN	164	132	104	104	104	113	113	104	943	1070	917	306
AC-FT	16220	12910	9930	9510	7450	23500	11120	40340	70350	86520	73680	30800

CAL YR 2000 TOTAL 250175 MEAN 684 MAX 1540 MIN 104 AC-FT 496200
WTR YR 2001 TOTAL 197800 MEAN 542 MAX 1750 MIN 104 AC-FT 392300

e Estimated

10080000 BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID

LOCATION.--Lat 42°35'11", long 111°43'51", in NE¼SE¼NW¼ sec. 1, T. 10 S., R. 40 E., Caribou County, Hydrologic Unit 16010202, on left bank 1,000 ft downstream from dam, and 1 mi north of Grace.

DRAINAGE AREA.--4,110 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	6.2	5.2	4.3	9.0	5.0	3.8	6.8	86	157	221	50
2	14	5.6	5.2	4.0	9.1	4.9	3.7	6.8	77	177	159	56
3	13	5.7	5.2	3.4	9.2	4.9	3.7	6.9	75	180	101	53
4	12	6.3	4.9	2.9	8.0	4.8	3.7	6.5	77	169	93	43
5	13	6.8	4.9	2.9	6.9	5.1	3.9	17	79	158	84	38
6	13	6.2	4.9	2.9	11	6.2	4.1	38	77	119	86	17
7	12	5.6	4.5	2.7	14	7.3	4.0	45	75	95	97	6.0
8	12	5.8	4.5	2.2	12	11	3.9	43	73	79	112	7.3
9	12	5.5	4.5	2.1	8.9	13	3.5	39	75	65	104	6.9
10	12	6.1	4.5	2.1	5.8	14	5.7	33	78	63	106	7.3
11	15	5.5	4.5	2.2	3.5	21	3.9	38	76	74	64	8.2
12	17	5.3	4.5	2.2	3.3	30	4.4	36	74	86	39	6.6
13	12	5.4	4.5	2.4	3.1	30	11	33	86	79	38	5.1
14	12	5.6	4.5	2.2	3.2	34	137	40	115	60	42	5.9
15	13	6.1	4.5	2.0	3.2	7.8	335	45	67	51	30	6.7
16	13	6.6	4.5	2.8	3.3	6.5	314	63	59	56	33	6.7
17	13	11	4.4	4.2	3.3	6.1	284	68	62	60	22	6.7
18	13	6.6	4.4	4.3	3.4	5.7	274	67	55	58	24	7.6
19	13	6.0	4.4	4.4	3.7	5.2	272	74	55	53	40	8.4
20	13	6.9	4.4	4.8	4.8	4.5	261	72	58	53	44	9.8
21	14	6.3	4.4	3.9	4.5	4.5	256	69	58	59	43	13
22	13	6.0	5.1	4.6	4.9	4.1	276	71	59	59	47	12
23	13	5.8	5.1	5.4	6.3	4.1	270	75	61	64	49	11
24	13	6.0	5.1	5.1	5.5	4.0	286	75	84	84	50	9.9
25	13	5.8	5.8	6.0	6.2	4.0	273	69	170	84	50	7.4
26	12	5.5	6.6	6.4	6.6	3.7	49	73	242	71	45	6.2
27	13	5.7	6.6	6.1	6.2	3.3	9.3	83	284	117	41	6.3
28	13	5.5	6.2	5.5	5.4	3.6	7.6	75	316	165	41	6.3
29	13	5.3	5.8	5.2	---	3.6	7.2	83	306	145	49	4.5
30	15	5.2	5.4	6.4	---	3.5	7.7	90	219	171	45	3.6
31	14	---	5.0	7.7	---	3.5	---	86	---	184	48	---
TOTAL	408	181.9	154.0	123.3	174.3	268.9	3378.1	1627.0	3278	3095	2047	436.4
MEAN	13.2	6.06	4.97	3.98	6.22	8.67	113	52.5	109	99.8	66.0	14.5
MAX	17	11	6.6	7.7	14	34	335	90	316	184	221	56
MIN	12	5.2	4.4	2.0	3.1	3.3	3.5	6.5	55	51	22	3.6
AC-FT	809	361	305	245	346	533	6700	3230	6500	6140	4060	866

CAL YR 2000 TOTAL 13476.8 MEAN 36.8 MAX 310 MIN 1.8 AC-FT 26730
WTR YR 2001 TOTAL 15171.9 MEAN 41.6 MAX 335 MIN 2.0 AC-FT 30090

10086000 ONEIDA NARROWS RESERVOIR AT ONEIDA, ID

LOCATION.--Lat 42°16'34", long 111°44'56", in SW¼NW¼SE¼ sec. 23, T. 13 S, R. 40 E., Franklin County, Hydrologic Unit 16010202, 6 mi south of Cleveland.

DRAINAGE AREA.--4,455 mi^2.

PERIOD OF RECORD.--October 1914 to current year. Prior to 1986, published in reports of Bear River Commission.

REVISED RECORDS.--WDR UT-74-1, WDR UT-89-1: Drainage area; WDR UT-88-1: 1987.

GAGE.--Elevation of gage is 4,800 ft, PacifiCorp datum.

REMARKS.--Records fair.

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 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10540	10600	10480	10300	10330	10380	10310	10330	10380	10120	10060	10050
2	10600	10430	10450	10280	10330	10350	10400	10330	10420	10150	10060	10080
3	10580	10410	10450	10260	10310	10370	10300	10350	10470	10420	10010	10100
4	10600	10620	10470	10260	10310	10330	10220	10350	10480	10400	10120	9966
5	10640	10620	10450	10280	10310	10310	10280	10370	10580	10370	10050	10200
6	10570	10580	10470	10310	10370	10330	10280	10400	10550	10130	9883	10200
7	10570	10570	10470	10310	10370	10370	10500	10500	10420	10200	9980	10030
8	10580	10550	10470	10310	10310	10310	10620	10540	10300	10350	10180	9931
9	10570	10550	10470	10350	10380	10310	10600	10500	10400	10370	10030	10010
10	10550	10520	10480	10430	10420	10300	10620	10370	9897	10520	10100	10120
11	10550	10500	10480	10430	10300	10310	10500	10370	10080	10450	9883	10200
12	10620	10500	10480	10430	10280	10280	10500	10160	10200	10430	10150	10230
13	10640	10520	10420	10380	10280	10300	10470	10130	10310	10450	9931	10230
14	10650	10480	10450	10400	10280	10350	10580	10080	10080	10450	10050	10250
15	10650	10470	10470	10350	10300	10350	10520	10120	10580	10450	10060	10260
16	10580	10480	10430	10300	10310	10450	10310	10220	10570	10300	10030	10180
17	10570	10540	10470	10300	10420	10580	10470	10300	10500	10300	10010	10230
18	10620	10540	10500	10350	10500	10650	10640	10550	10520	10280	10030	10300
19	10620	10540	10450	10350	10500	10580	10570	10720	10450	10310	10050	10370
20	10580	10500	10430	10220	10420	10640	10430	10450	10370	10300	9966	10400
21	10470	10500	10500	10220	10380	10600	10260	10330	10480	10400	10100	10380
22	10470	10520	10540	10230	10380	10640	10260	10370	10400	10540	10130	10380
23	10480	10430	10470	10230	10350	10640	10010	10310	10370	10220	10030	10370
24	10480	10450	10500	10250	10350	10450	10130	10420	10400	10300	9980	10350
25	10520	10430	10500	10260	10370	10620	10310	10420	10310	10030	9980	10380
26	10540	10470	10450	10330	10300	10670	10310	10380	10150	9931	9897	10350
27	10480	10500	10430	10300	10310	10650	10310	10420	10030	9897	9866	10330
28	10500	10520	10480	10280	10380	10650	10380	10470	9849	10100	9866	10400
29	10430	10540	10370	10250	---	10600	10370	10370	9832	10260	9931	10450
30	10480	10520	10250	10250	---	10580	10370	10310	10120	10080	10050	10470
31	10540	---	10290	10310	---	10180	---	10310	---	9897	10010	---
MAX	10650	10620	10540	10430	10500	10670	10640	10720	10580	10540	10180	10470
MIN	10430	10410	10250	10220	10280	10180	10010	10080	9832	9897	9866	9931
(#)	4881.95	4881.88	4881.24	4881.30	4881.50	4880.92	4881.45	4881.30	4880.73	4880.10	4880.44	4881.74
(*)	+60	-20	-230	+20	+70	-200	+190	-60	-190	-223	+113	+460

CAL YR 2000.....(*) +310
WTR YR 2001.....(*) -10

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

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

LOCATION.--Lat 42°16'00", long 111°45'04", in NE¼SE¼NW¼ sec. 26, T. 13 S., R. 40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant and 6 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi^2.

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

REVISED RECORDS.--WDR 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.--80 years, 887 ft^3/s, 642,600 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	718	458	338	362	472	319	346	908	1080	1110	669
2	425	563	352	338	377	485	713	286	816	1450	1330	763
3	398	432	321	338	373	489	403	262	837	1300	1180	840
4	302	492	321	335	355	480	325	264	989	1090	1050	985
5	354	560	318	328	340	450	302	270	916	1500	1160	614
6	366	502	314	324	330	441	286	316	943	1430	1350	877
7	334	394	318	314	327	441	314	347	992	928	1020	791
8	342	364	318	304	307	424	405	580	1110	1020	1160	211
9	357	365	318	301	307	396	389	593	871	1120	1310	190
10	361	361	318	324	408	396	420	524	908	1180	1050	189
11	351	354	328	382	424	395	568	550	780	1270	1000	198
12	420	358	338	382	374	354	347	644	956	1210	1100	226
13	514	366	331	375	337	322	388	595	1100	1190	1180	207
14	520	378	321	371	314	346	431	638	1060	991	965	208
15	548	363	318	364	307	356	763	696	1030	990	1070	210
16	553	335	304	368	285	488	516	711	966	1140	1140	204
17	491	342	298	360	276	645	302	756	835	950	1030	134
18	475	375	295	383	311	802	589	807	1110	900	855	177
19	502	371	345	552	352	801	324	1160	981	873	892	154
20	538	371	318	548	425	843	823	1170	958	921	952	158
21	552	371	321	447	382	875	385	885	1010	798	764	172
22	473	463	493	435	374	923	713	799	1210	915	912	199
23	343	537	515	431	359	890	503	671	935	1590	918	198
24	344	528	493	431	359	1070	315	626	1030	986	956	182
25	344	502	502	431	444	830	383	649	1450	1320	804	181
26	393	484	493	439	500	932	454	615	1440	1220	608	208
27	374	475	467	452	399	905	359	544	1510	1140	603	133
28	331	493	446	431	431	813	334	623	1520	923	551	95
29	315	510	425	376	---	797	358	686	1400	1060	568	138
30	342	528	338	299	---	914	354	720	948	1600	657	145
31	486	---	298	319	---	958	---	740	---	1340	756	---
TOTAL	12829	13255	11343	11820	10139	19733	13085	19073	31519	35425	30001	9656
MEAN	414	442	366	381	362	637	436	615	1051	1143	968	322
MAX	553	718	515	552	500	1070	823	1170	1520	1600	1350	985
MIN	302	335	295	299	276	322	286	262	780	798	551	95
AC-FT	25450	26290	22500	23440	20110	39140	25950	37830	62520	70270	59510	19150

CAL YR 2000 TOTAL 270937 MEAN 740 MAX 1450 MIN 295 AC-FT 537400
WTR YR 2001 TOTAL 217878 MEAN 597 MAX 1600 MIN 95 AC-FT 432200

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NE¼ NW¼NE¼ sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi^2.

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

REVISED RECORDS.--WDR 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, 1,470 ft^3/s, Jul 4, gage height, 12.46 ft; minimum daily discharge, 75 ft^3/s, Sep 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	604	539	e325	e470	480	650	348	583	801	854	423
2	407	762	485	e290	e465	495	537	313	669	970	899	427
3	488	455	382	e280	e460	503	641	246	628	1050	961	517
4	372	491	384	e280	e431	503	417	242	688	1050	823	646
5	336	554	384	e286	e397	489	359	245	679	1030	908	459
6	403	573	379	e319	e386	486	353	242	714	1160	1030	541
7	369	467	378	e233	e379	495	396	308	773	903	823	824
8	354	411	412	e225	e310	507	502	413	711	786	736	419
9	369	403	414	e346	e250	479	525	488	815	827	997	125
10	385	399	423	e390	e360	495	443	436	752	827	836	146
11	406	386	416	e370	e430	499	502	333	487	1010	790	163
12	386	383	439	e380	e419	457	603	465	627	989	837	198
13	547	391	440	e405	e402	389	421	412	831	904	911	225
14	552	400	432	e390	e440	375	477	405	875	837	684	210
15	549	415	423	e330	403	400	578	503	811	791	735	215
16	574	362	e410	e277	345	400	725	548	721	e886	837	227
17	560	357	e396	e260	313	588	466	563	745	678	802	221
18	483	375	e403	e292	325	742	373	564	734	619	665	161
19	512	388	e393	e330	385	874	608	742	792	565	650	199
20	523	387	e390	e360	451	807	547	1080	690	515	687	170
21	576	387	e398	e380	458	970	742	876	623	552	479	184
22	557	395	e425	e374	439	868	488	656	864	575	496	211
23	424	537	e460	e380	453	896	717	620	795	932	621	246
24	382	541	e410	e386	428	1080	478	431	755	1000	595	240
25	387	521	e420	e440	423	846	357	464	951	773	603	214
26	395	505	e420	e430	548	947	487	460	1150	938	479	234
27	438	491	e410	e410	491	940	436	394	1170	814	285	204
28	395	499	e406	e425	417	869	361	372	1240	713	317	130
29	348	512	e373	e390	---	902	392	480	1130	774	273	75
30	359	534	e350	e423	---	828	363	457	910	1040	319	128
31	421	---	e356	e360	---	1050	---	512	---	1070	434	---
TOTAL	13603	13885	12750	10766	11478	20659	14944	14618	23913	26379	21366	8382
MEAN	439	463	411	347	410	666	498	472	797	851	689	279
MAX	576	762	539	440	548	1080	742	1080	1240	1160	1030	824
MIN	336	357	350	225	250	375	353	242	487	515	273	75
AC-FT	26980	27540	25290	21350	22770	40980	29640	28990	47430	52320	42380	16630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

MEAN	975	1038	1048	1025	1033	1236	1448	1582	1430	1060	963	962
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	347	351	351	403	357	333	393	461	192
(WY)	1993	1993	1982	2001	1993	1991	1992	1988	1989	1995	1993	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	262582		192743			
ANNUAL MEAN	717		528		1150	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	1410	Jan 22	1240	Jun 28	4830	Jun 21 1983
LOWEST DAILY MEAN	283	Sep 20	75	Sep 29	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	342	Sep 25	175	Sep 24	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	520800		382300		833100	
10 PERCENT EXCEEDS	1070		875		2260	
50 PERCENT EXCEEDS	725		460		923	
90 PERCENT EXCEEDS	389		288		337	

e Estimated

10105900 LITTLE BEAR RIVER AT PARADISE, UT

LOCATION.--Lat 41°34'32", long 111°51'16" in NW¼NE¼SE¼ 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, 232 ft^3/s, Mar 21, gage height, 6.66 ft; minimum discharge, 13 ft^3/s, Sep 14.

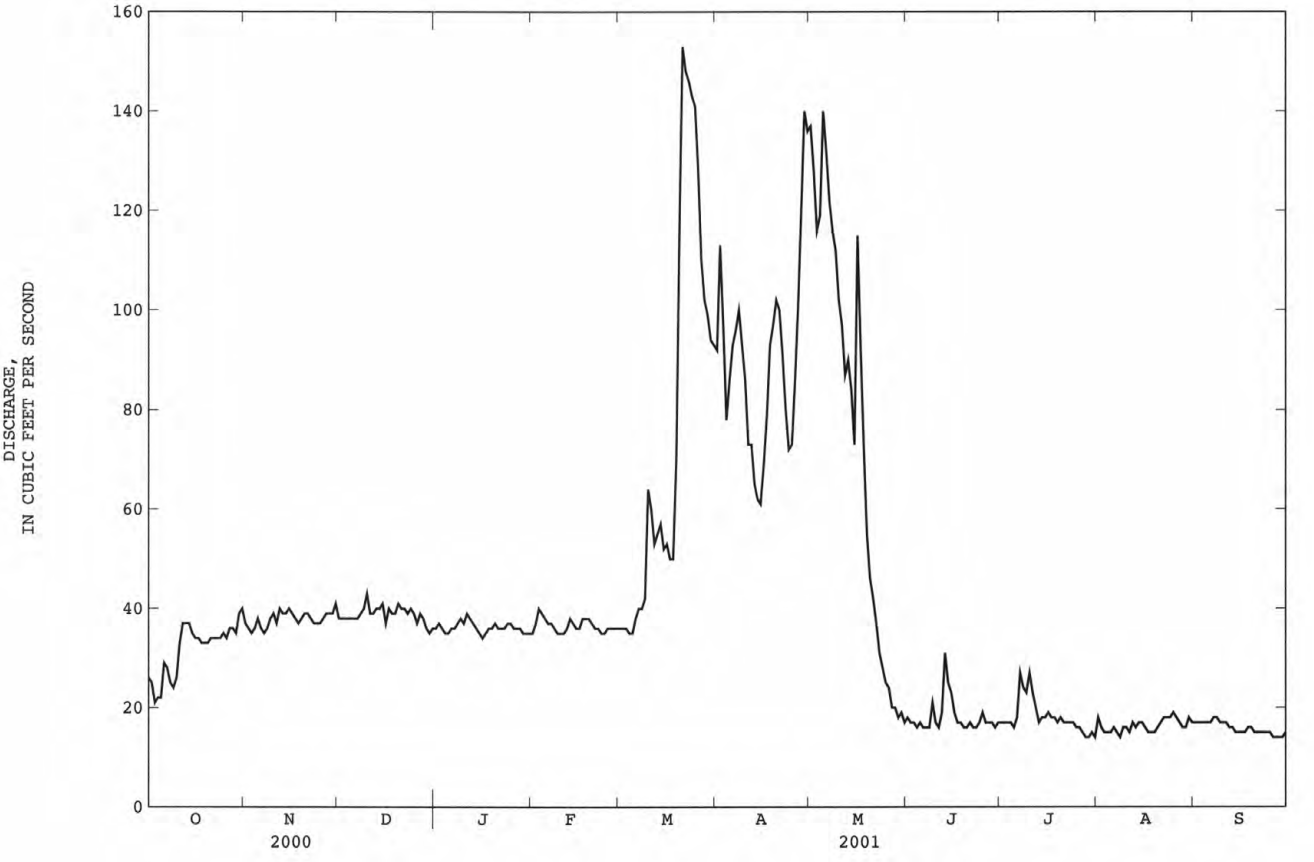
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	37	38	e36	e35	36	92	137	18	17	18	17
2	25	36	38	e37	e37	36	113	128	17	17	16	17
3	21	35	38	e36	e40	36	97	116	17	17	15	17
4	22	36	38	e35	e39	35	78	119	16	17	15	17
5	22	38	38	e35	e38	35	86	140	17	16	15	17
6	29	36	38	e36	e37	38	93	132	16	18	16	17
7	28	35	38	e36	e37	40	96	122	16	27	15	18
8	25	36	39	e37	e36	40	100	116	16	24	14	18
9	24	38	40	e38	e35	42	93	112	21	23	16	17
10	26	39	43	e37	e35	64	86	102	17	27	16	17
11	33	37	39	e39	e35	60	73	97	16	23	15	17
12	37	40	39	e38	e36	53	73	87	19	20	17	16
13	37	39	40	e37	e38	55	65	90	31	17	16	16
14	37	39	40	e36	e37	57	62	84	25	18	17	15
15	35	40	41	e35	e36	52	61	73	23	18	17	15
16	34	39	37	e34	e36	53	69	115	19	19	16	15
17	34	38	40	e35	e38	50	79	92	17	18	15	15
18	33	37	39	e36	e38	50	93	72	17	18	15	16
19	33	38	39	e36	e38	70	97	55	16	17	15	16
20	33	39	41	e37	e37	116	102	46	16	18	16	15
21	34	39	40	e36	e36	153	100	42	17	17	17	15
22	34	38	40	e36	e36	148	91	37	16	17	18	15
23	34	37	39	e36	35	146	80	31	16	17	18	15
24	34	37	40	e37	35	143	72	28	17	17	18	15
25	35	37	39	e37	36	141	73	25	19	16	19	15
26	34	38	37	e36	36	128	86	24	17	16	18	14
27	36	39	39	e36	36	110	101	20	17	15	17	14
28	36	39	38	e36	36	102	120	20	17	14	16	14
29	35	39	36	e35	---	99	140	18	16	14	16	14
30	39	41	35	e35	---	94	136	19	17	15	18	15
31	40	---	e36	e35	---	93	---	17	---	14	17	---
TOTAL	985	1136	1202	1121	1024	2375	2707	2316	539	561	507	474
MEAN	31.8	37.9	38.8	36.2	36.6	76.6	90.2	74.7	18.0	18.1	16.4	15.8
MAX	40	41	43	39	40	153	140	140	31	27	19	18
MIN	21	35	35	34	35	35	61	17	16	14	14	14
AC-FT	1950	2250	2380	2220	2030	4710	5370	4590	1070	1110	1010	940
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2001, BY WATER YEAR (WY)												
MEAN	49.1	50.5	49.3	53.4	57.1	121	230	348	161	40.1	33.9	39.8
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	90.2	74.7	18.0	18.1	12.7	15.8
(WY)	1993	1993	1993	1993	1993	2000	2001	2001	2001	2001	1993	2001

10105900 LITTLE BEAR RIVER AT PARADISE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1993 - 2001	
ANNUAL TOTAL	17913		14947			
ANNUAL MEAN	48.9		41.0		103	
HIGHEST ANNUAL MEAN					172	1998
LOWEST ANNUAL MEAN					41.0	2001
HIGHEST DAILY MEAN	157	Apr 29	153	Mar 21	910	May 11 1998
LOWEST DAILY MEAN	15	Jun 16	14	Jul 28	4.4	Feb 10 1993
ANNUAL SEVEN-DAY MINIMUM	15	Jun 16	14	Sep 23	6.9	Feb 5 1993
ANNUAL RUNOFF (AC-FT)	35530		29650		74520	
10 PERCENT EXCEEDS	103		93		292	
50 PERCENT EXCEEDS	39		36		54	
90 PERCENT EXCEEDS	17		16		18	

e Estimated



10108400 LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

LOCATION.--Lat 41°44'35", long 111°45'40", in NE¼NW¼NE¼ sec. 31, T. 12 N., R. 2 E., Cache County, Hydrologic Unit 16010203, Cache National Forest, on left bank 487 ft downstream from head and 3.8 mi east of Logan.

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

GAGE.--Water-stage recorder and 8-ft concrete Parshall flume. Datum of gage is 4,858.69 ft above sea level (Bureau of Public Roads bench mark).

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

AVERAGE DISCHARGE.--38 years, 22.3 ft^3/s, 16,160 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	2.9	2.6	3.5	e3.4	3.9	e.00	14	55	43	28	23
2	26	2.8	1.4	3.5	e3.6	3.9	e.00	19	55	42	28	23
3	26	2.8	1.8	3.5	3.8	3.9	e.00	23	55	37	28	23
4	26	2.8	4.2	3.5	3.7	3.9	e.00	23	54	41	28	23
5	26	2.8	4.2	3.5	3.7	3.9	e.00	23	54	42	28	23
6	26	2.8	4.2	3.5	3.7	3.9	e.00	24	55	39	28	23
7	26	2.6	4.2	3.5	3.7	3.8	e.00	34	55	39	28	23
8	26	2.6	4.2	3.5	3.7	3.7	e.00	41	55	40	28	23
9	26	2.6	3.5	3.5	3.7	3.7	e.00	41	55	40	29	23
10	25	2.4	3.5	3.5	3.7	3.7	e.00	40	55	39	28	25
11	22	2.3	3.5	3.5	3.7	3.7	e.00	40	55	39	28	28
12	19	2.2	3.5	3.5	3.7	3.7	e.00	40	48	39	28	28
13	19	2.2	3.5	3.5	3.7	3.7	.11	40	48	40	23	28
14	19	2.2	3.5	3.6	3.7	3.7	.13	53	50	39	23	27
15	19	2.2	3.5	3.7	3.7	3.7	.13	74	50	39	23	28
16	19	2.2	3.5	3.7	3.7	3.9	.13	51	46	38	25	28
17	19	2.1	3.5	3.7	3.7	2.1	.16	30	52	36	23	28
18	19	2.1	3.5	3.7	3.7	1.1	.17	27	47	36	23	28
19	18	2.1	3.5	3.7	3.7	1.1	.17	25	44	37	23	28
20	17	2.1	3.5	3.7	3.8	1.1	.14	24	44	37	23	28
21	17	2.1	3.5	3.7	3.8	.95	.13	23	44	37	23	28
22	17	2.1	3.5	3.7	3.9	.88	.13	36	44	37	23	28
23	14	2.1	3.5	3.7	3.9	.47	.13	55	43	36	23	28
24	7.7	2.8	3.6	3.7	3.9	e.00	.13	55	43	36	22	28
25	5.3	3.0	3.6	3.8	3.9	e.00	.13	55	43	36	23	28
26	3.3	2.8	3.7	3.7	3.9	e.00	e.00	55	43	37	22	28
27	3.3	2.8	3.5	3.8	3.9	e.00	e.00	55	43	37	23	28
28	3.3	2.8	3.5	3.7	3.9	e.00	e.00	55	43	37	23	27
29	3.3	2.6	3.5	e3.6	---	e.00	e.00	55	43	37	23	28
30	3.3	2.6	3.5	e3.5	---	e.00	3.1	55	43	36	22	28
31	3.1	---	3.5	e3.4	---	e.00	---	55	---	33	23	---
TOTAL	529.6	74.5	107.7	111.6	104.9	68.40	4.89	1240	1464	1181	773	790
MEAN	17.1	2.48	3.47	3.60	3.75	2.21	.16	40.0	48.8	38.1	24.9	26.3
MAX	26	3.0	4.2	3.8	3.9	3.9	3.1	74	55	43	29	28
MIN	3.1	2.1	1.4	3.4	3.4	.00	.00	14	43	33	22	23
AC-FT	1050	148	214	221	208	136	9.7	2460	2900	2340	1530	1570

e Estimated

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT

LOCATION.--Lat 41°44'36", long 111°46'55", in NW¼NW¼NE¼ sec. 36, T. 12 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on left bank 0.5 mi upstream from State dam, and 2.5 mi east of Logan.

DRAINAGE AREA.--214 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.--WDR UT-74-1: Drainage area. WDR 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: 88 years (water years 1914-2001), 155 ft^3/s 112,300 acre-ft/yr. Combined river and canal: 104 years, 271 ft^3/s 196,300 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, 960 ft^3/s, May 16, gage height, 4.50 ft; minimum daily discharge, 79 ft^3/s, Sep 30.
Combined river and canal: Maximum daily discharge, 772 ft^3/s, May 16; minimum daily discharge, 86 ft^3/s, Dec 31, Jan 1-4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	117	109	e83	e89	96	e140	369	269	e130	e105	92
2	97	116	109	e83	89	97	e152	328	264	e127	104	91
3	97	117	106	e83	91	100	e145	288	258	e125	105	92
4	96	116	103	e83	93	98	e139	259	247	e124	105	91
5	96	118	103	e84	93	99	e147	256	236	e123	103	91
6	95	117	103	e86	93	99	e144	255	225	e122	102	93
7	94	116	103	e88	94	102	e148	245	216	e121	101	93
8	94	113	106	e89	85	105	146	251	211	e120	100	92
9	96	118	107	e88	84	108	140	286	206	e120	100	91
10	99	117	110	e88	96	110	136	306	202	e118	100	87
11	106	115	105	e87	97	108	135	316	197	e117	101	85
12	106	114	104	e89	93	106	135	326	215	e115	100	84
13	111	115	105	e88	93	107	130	360	e223	e113	104	84
14	111	114	105	e87	93	108	129	366	e210	e112	104	84
15	103	116	106	e88	93	e106	129	400	e200	e110	103	84
16	103	115	101	e88	92	e108	130	721	e190	e109	103	84
17	102	112	104	e88	93	e110	135	680	e185	e108	101	84
18	103	110	100	e89	93	e108	147	612	e178	e107	100	84
19	104	109	94	e87	95	e107	182	525	e173	e108	99	82
20	104	108	102	e88	96	e108	204	478	e171	e107	99	82
21	107	108	101	e88	96	e107	191	436	e168	e107	100	82
22	106	111	102	e86	96	e108	179	388	e163	e107	99	82
23	107	e110	102	e88	99	e109	168	355	e158	e106	96	81
24	113	e109	102	e89	97	e110	162	351	e153	e106	96	81
25	116	e111	98	e87	97	e120	167	351	e150	e105	95	81
26	118	e112	92	e87	97	e130	191	343	e146	e105	94	80
27	119	113	86	e88	96	e140	235	334	e142	e104	93	80
28	118	112	e84	e86	96	e130	280	330	e138	e103	93	80
29	118	111	e84	e87	---	e132	343	310	e135	e104	93	80
30	119	113	e84	e88	---	e132	360	292	e132	e103	94	79
31	118	---	e83	e89	---	e133	---	278	---	e104	93	---
TOTAL	3273	3403	3103	2697	2619	3441	5169	11395	5761	3490	3085	2556
MEAN	106	113	100	87.0	93.5	111	172	368	192	113	99.5	85.2
MAX	119	118	110	89	99	140	360	721	269	130	105	93
MIN	94	108	83	83	84	96	129	245	132	103	93	79
AC-FT	6490	6750	6150	5350	5190	6830	10250	22600	11430	6920	6120	5070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	141	134	120	112	110	138	255	576	680	334	185	150
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	59845		49992			
ANNUAL MEAN	164		137		245	
HIGHEST ANNUAL MEAN					440	1986
LOWEST ANNUAL MEAN					99.6	1992
HIGHEST DAILY MEAN	562	May 26	721	May 16	1870	Jun 6 1986
LOWEST DAILY MEAN	83	Dec 31	79	Sep 30	55	Jan 21 1991
ANNUAL SEVEN-DAY MINIMUM	87	Dec 25	80	Sep 24	58	Sep 24 1992
ANNUAL RUNOFF (AC-FT)	118700		99160		177600	
10 PERCENT EXCEEDS	313		249		572	
50 PERCENT EXCEEDS	121		106		147	
90 PERCENT EXCEEDS	101		87		85	

e Estimated

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	120	112	86	92	100	140	383	324	173	133	115
2	123	119	110	86	93	101	152	347	319	169	132	114
3	123	120	108	86	95	104	145	311	313	162	133	115
4	122	119	107	86	97	102	139	282	301	165	133	114
5	122	121	107	88	97	103	147	279	290	165	131	114
6	121	120	107	90	97	103	144	279	280	161	130	116
7	120	119	107	92	98	106	148	279	271	160	129	116
8	120	116	110	92	89	109	146	292	266	160	128	115
9	122	121	110	92	88	112	140	327	261	160	129	114
10	124	119	114	92	100	114	136	346	257	157	128	112
11	128	117	108	90	101	112	135	356	252	156	129	113
12	125	116	108	92	97	110	135	366	263	154	128	112
13	130	117	108	92	97	111	130	400	271	153	127	112
14	130	116	108	91	97	112	129	419	260	151	127	111
15	122	118	110	92	97	110	129	474	250	149	126	112
16	122	117	104	92	96	112	130	772	236	147	128	112
17	121	114	108	92	97	112	135	710	237	144	124	112
18	122	112	104	93	97	109	147	639	225	143	123	112
19	122	111	98	91	99	108	182	550	217	145	122	110
20	121	110	106	92	100	109	204	502	215	144	122	110
21	124	110	104	92	100	108	191	459	212	144	123	110
22	123	113	106	90	100	109	179	424	207	144	122	110
23	121	112	106	92	103	109	168	410	201	142	119	109
24	121	112	106	93	101	110	162	406	196	142	118	109
25	121	114	102	91	101	120	167	406	193	141	118	109
26	121	115	96	91	101	130	191	398	189	142	116	108
27	122	116	90	92	100	140	235	389	185	141	116	108
28	121	115	88	90	100	130	280	385	181	140	116	107
29	121	114	88	91	---	132	343	365	178	141	116	108
30	122	116	88	92	---	132	363	347	175	139	116	107
31	121	---	86	92	---	133	---	333	---	137	116	---
TOTAL	3801	3479	3214	2813	2730	3512	5172	12635	7225	4671	3858	3346
MEAN	123	116	104	90.7	97.5	113	172	408	241	151	124	112
MAX	130	121	114	93	103	140	363	772	324	173	133	116
MIN	120	110	86	86	88	100	129	279	175	137	116	107
AC-FT	7540	6900	6370	5580	5410	6970	10260	25060	14330	9260	7650	6640

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT

LOCATION.--Lat 41°37'25", long 111°44'17", in SE¼NE¼NE¼ sec. 8, T. 10 N., R. 2 E., Cache County, Hydrologic Unit 16010203, on right bank 1.1 mi upstream from diversion dam, and 6 mi east of Hyrum.

DRAINAGE AREA.--263 mi^2.

PERIOD OF RECORD.--October 1913 to September 1996, March 31, 2000 to current year. Monthly discharge only for October 1913, published in WSP 1314.

REVISED RECORDS.--WSP 1514: 1925. WDR 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, 1,650 ft^3/s, May 14, 1984, gage height, 7.12 ft, site and datum then in use; minimum, 4.7 ft^3/s, Nov 28, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 29	1315	*131	*4.26				

Minimum discharge, 52 ft^3/s, Sep 24, 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	75	74	69	66	64	87	120	76	71	61	60
2	71	74	71	67	67	64	90	115	75	72	61	60
3	71	74	71	67	68	65	89	108	72	68	61	62
4	71	75	70	67	68	64	86	104	69	70	63	62
5	73	76	70	68	69	66	88	100	70	69	62	63
6	76	75	70	68	68	66	89	99	70	70	61	62
7	77	73	70	67	69	67	89	98	71	72	61	64
8	76	74	71	e68	e70	68	91	98	72	74	61	63
9	77	75	72	70	70	68	89	100	72	76	61	64
10	78	74	74	68	68	71	86	100	71	79	61	63
11	80	72	70	68	69	71	81	94	70	74	61	60
12	79	73	71	68	68	69	81	94	73	73	62	55
13	80	74	71	67	67	69	81	95	76	72	62	55
14	82	74	72	67	66	70	81	95	74	70	63	55
15	80	75	73	67	66	69	80	90	73	70	61	55
16	77	72	69	66	65	71	85	106	72	70	62	55
17	77	72	70	e69	65	71	87	99	71	68	62	55
18	77	70	69	e68	65	72	99	92	69	67	62	55
19	77	71	66	67	67	76	110	89	70	67	62	55
20	77	71	71	68	67	84	111	87	69	65	62	54
21	78	73	70	66	66	90	107	84	69	65	64	54
22	76	73	71	67	66	99	102	83	69	65	63	53
23	77	71	69	67	67	100	94	82	69	64	59	53
24	76	71	70	67	65	100	94	81	68	63	59	52
25	78	71	68	67	65	100	95	82	68	62	59	52
26	77	73	65	66	64	101	102	80	68	62	58	53
27	76	73	68	66	65	97	109	78	69	62	59	53
28	76	72	69	65	63	92	116	77	68	62	59	53
29	76	74	68	63	---	92	122	77	68	63	58	54
30	76	73	70	64	---	89	122	76	67	63	58	54
31	75	---	69	62	---	86	---	75	---	64	60	---
TOTAL	2369	2193	2172	2074	1869	2431	2843	2858	2118	2112	1888	1708
MEAN	76.4	73.1	70.1	66.9	66.8	78.4	94.8	92.2	70.6	68.1	60.9	56.9
MAX	82	76	74	70	70	101	122	120	76	79	64	64
MIN	71	70	65	62	63	64	80	75	67	62	58	52
AC-FT	4700	4350	4310	4110	3710	4820	5640	5670	4200	4190	3740	3390

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 mi^2.

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, PacifiCorp datum.

REMARKS.--Records fair. New capacity table being used from October 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 2000 TO SEPTEMBER 2001
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15020	15020	15020	15020	13960	14670	15380	13270	15380	12930	11600	9186
2	16120	15020	15020	13960	14670	14310	14310	13270	12930	12590	11930	9467
3	15380	15020	15380	12260	14670	15380	15020	13270	12930	12930	11930	9467
4	15380	13960	15380	13960	14670	13960	14670	14670	13620	13270	12260	9754
5	15020	14310	14310	15020	13960	15020	14310	14310	13270	13620	12260	10650
6	14670	14670	13620	14670	14310	13270	13620	14670	13960	13620	12590	10970
7	14670	14670	13620	14670	14310	15380	14310	14670	13960	14670	12930	11600
8	13620	15380	14670	14310	15380	15380	12590	13960	13960	15020	12930	13620
9	13620	15380	14310	15380	13620	14310	12260	13960	13960	15020	12590	14310
10	14310	14670	13960	14310	15020	15380	12260	13960	13960	15020	12930	14310
11	14670	15380	14670	14310	13960	13270	12260	13270	13620	15380	13270	13960
12	15020	15020	15020	14670	15020	12130	10970	13270	13270	15380	13270	13270
13	15380	14670	14670	15380	14670	13620	12590	12930	13270	15380	13620	12930
14	14310	14670	15380	14670	13620	13960	11930	12590	14670	15380	13960	13270
15	15380	14310	14670	14670	13960	14310	12930	12260	15020	15380	14310	13270
16	14310	12930	14670	14310	13960	14670	10350	12590	12590	14310	13960	13270
17	15380	13960	11930	14670	14310	13960	11930	15380	13620	14310	14310	13270
18	15380	14310	13270	13960	15380	11930	11930	15020	13960	14310	14670	13270
19	14670	14310	14310	14670	13960	9754	13270	12930	13620	14310	14670	13270
20	14670	14670	14670	14670	13960	13960	11930	13620	13620	13960	14670	13620
21	14670	14670	14670	13960	14310	14670	13960	15380	13270	12930	14670	13620
22	15020	14670	14670	14310	14310	14670	13960	14310	12260	11930	13960	13620
23	15020	14670	15380	14670	14310	13960	13270	14310	11930	11280	13270	13620
24	15020	15380	14670	14670	15020	13960	13960	12260	11930	10650	12930	13620
25	15380	15380	14670	14670	14310	13960	14670	15020	11930	11600	12930	13270
26	15020	15380	14670	14670	15020	13620	15020	15020	10650	11280	12930	13270
27	15380	13620	13960	13960	15380	15020	13620	14310	10650	11280	12590	13270
28	15020	14670	13960	14670	15020	15750	15380	14310	11280	11600	10970	13270
29	13960	14670	13270	14310	---	13270	15380	13620	11600	11280	10350	13270
30	14310	15020	13270	13620	---	14670	13270	13620	11600	10970	9754	13270
31	13620	---	13960	14670	---	13620	---	13620	---	10650	9467	---
MAX	16120	15380	15380	15380	15380	15750	15380	15380	15380	15380	14670	14310
MIN	13620	12930	11930	12260	13620	9754	10350	12260	10650	10650	9467	9186
(#)	4407.25	4407.45	4407.30	4407.40	4407.45	4407.25	4407.20	4407.25	4406.95	4406.80	4406.60	4407.20
(*)	-1380	+1400	-1060	+710	+350	-1400	-350	+350	-2020	-950	-1183	+3803

CAL YR 2000.....(*) +1390
WTR YR 2001.....(*) -1730

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

10117000 HAMMOND (EAST SIDE) CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'51", long 112°03'24", in SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collingston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records 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.--87 years (water years 1913-81, 1983-2001), 53.1 ft^3/s, 38,470 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	33	.00	.00	.00	.00	.00	.00	163	169	172	28
2	80	25	.00	.00	.00	.00	.00	67	166	169	172	28
3	49	18	.00	.00	.00	.00	.00	103	169	169	173	28
4	51	.00	.00	.00	.00	.00	.00	115	168	170	173	28
5	50	.00	.00	.00	.00	.00	.00	124	165	170	172	87
6	50	.00	.00	.00	.00	.00	.00	128	164	171	170	155
7	50	.00	.00	.00	.00	.00	.00	139	163	172	168	153
8	49	.00	.00	.00	.00	.00	.00	153	163	173	167	148
9	49	.00	.00	.00	.00	.00	.00	163	163	168	167	148
10	49	.00	.00	.00	.00	.00	.00	164	164	165	172	150
11	49	.00	.00	.00	.00	.00	.00	165	166	172	172	150
12	50	.00	.00	.00	.00	.00	.00	165	168	171	172	149
13	50	.00	.00	.00	.00	.00	.00	166	169	171	171	53
14	49	.00	.00	.00	.00	.00	.00	165	170	174	167	22
15	49	.00	.00	.00	.00	.00	.00	165	167	169	166	22
16	49	.00	.00	.00	.00	.00	.00	165	167	170	166	22
17	49	.00	.00	.00	.00	.00	.00	167	168	170	165	22
18	49	.00	.00	.00	.00	.00	.00	166	168	169	166	22
19	49	.00	.00	.00	.00	.00	.00	165	168	169	166	22
20	49	.00	.00	.00	.00	.00	.00	165	168	169	162	22
21	49	.00	.00	.00	.00	.00	.00	166	168	169	149	68
22	49	.00	.00	.00	.00	.00	.00	165	167	167	149	98
23	49	.00	.00	.00	.00	.00	.00	165	167	166	148	98
24	49	.00	.00	.00	.00	.00	.00	166	167	166	149	98
25	49	.00	.00	.00	.00	.00	.00	166	169	167	151	104
26	49	.00	.00	.00	.00	.00	.00	166	169	167	151	113
27	49	.00	.00	.00	.00	.00	.00	166	170	168	151	116
28	49	.00	.00	.00	.00	.00	.00	166	170	168	151	115
29	49	.00	.00	.00	---	.00	.00	165	171	167	49	55
30	49	.00	.00	.00	---	.00	.00	165	169	167	24	24
31	49	---	.00	.00	---	.00	---	165	---	171	28	---
TOTAL	1610	76.00	0.00	0.00	0.00	0.00	0.00	4631.00	5014	5243	4679	2348
MEAN	51.9	2.53	.000	.000	.000	.000	.000	149	167	169	151	78.3
MAX	102	33	.00	.00	.00	.00	.00	167	171	174	173	155
MIN	49	.00	.00	.00	.00	.00	.00	.00	163	165	24	22
AC-FT	3190	151	.00	.00	.00	.00	.00	9190	9950	10400	9280	4660

CAL YR 2000 TOTAL 25635.40 MEAN 70.0 MAX 176 MIN .00 AC-FT 50850
WTR YR 2001 TOTAL 23601.00 MEAN 64.7 MAX 174 MIN .00 AC-FT 46810

10117500 WEST SIDE CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'55", 112°03'36", in SW¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records 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.--87 years (water years 1913-81, 1983-2001), 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	188	.00	.00	.00	.00	.00	475	737	736	680	445
2	295	186	.00	.00	.00	.00	.00	532	741	702	682	445
3	166	185	.00	.00	.00	.00	.00	577	737	687	682	441
4	252	166	.00	.00	.00	.00	.00	603	734	689	684	438
5	329	151	.00	.00	.00	.00	.00	653	734	691	685	345
6	328	147	.00	.00	.00	.00	.00	661	738	691	685	286
7	326	139	.00	.00	.00	.00	.00	684	742	724	687	285
8	324	134	.00	.00	.00	.00	.00	723	742	739	688	290
9	321	134	.00	.00	.00	.00	.00	733	742	733	686	297
10	295	134	.00	.00	.00	.00	.00	737	738	733	686	297
11	252	132	.00	.00	.00	.00	.00	737	736	700	687	297
12	231	131	.00	.00	.00	.00	.00	736	693	658	687	302
13	230	130	.00	.00	.00	.00	.00	740	644	633	685	302
14	231	128	.00	.00	.00	.00	.00	740	653	639	684	303
15	230	128	.00	.00	.00	.00	.00	744	691	654	669	302
16	226	126	.00	.00	.00	.00	.00	748	691	657	652	302
17	228	126	.00	.00	.00	.00	.00	746	691	657	654	302
18	231	126	.00	.00	.00	.00	.00	734	715	659	652	302
19	231	124	.00	.00	.00	.00	.00	736	738	657	651	302
20	229	96	.00	.00	.00	.00	.00	738	732	667	655	304
21	227	56	.00	.00	.00	.00	.00	730	730	667	654	257
22	223	35	.00	.00	.00	.00	.00	729	732	650	651	235
23	223	33	.00	.00	.00	.00	.00	733	736	673	645	233
24	223	32	.00	.00	.00	.00	.00	735	738	682	642	233
25	223	30	.00	.00	.00	.00	.00	741	738	684	645	225
26	224	28	.00	.00	.00	.00	.00	741	732	682	644	216
27	192	27	.00	.00	.00	.00	.00	739	726	686	647	217
28	156	26	.00	.00	.00	.00	.00	741	728	682	644	214
29	156	24	.00	.00	---	.00	.00	739	732	680	487	266
30	157	23	.00	.00	---	.00	.00	739	732	678	426	300
31	157	---	.00	.00	---	.00	---	737	---	680	444	---
TOTAL	7500	3125	0.00	0.00	0.00	0.00	0.00	21881	21693	21150	20050	8983
MEAN	242	104	.000	.000	.000	.000	.000	706	723	682	647	299
MAX	384	188	.00	.00	.00	.00	.00	748	742	739	688	445
MIN	156	23	.00	.00	.00	.00	.00	475	644	633	426	214
AC-FT	14880	6200	.00	.00	.00	.00	.00	43400	43030	41950	39770	17820

CAL YR 2000 TOTAL 113805.00 MEAN 311 MAX 781 MIN .00 AC-FT 225700
WTR YR 2001 TOTAL 104382.00 MEAN 286 MAX 748 MIN .00 AC-FT 207000

10118000 BEAR RIVER NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 800 ft downstream from Cutler plant of Utah Power & Light Co., 2,000 ft downstream from Cutler Dam, and 5.5 mi north of Collinston.

DRAINAGE AREA.--6,267 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.--WDR 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 the U.S. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	588	642	559	331	1040	1300	159	33	26	25	25
2	113	641	806	832	622	292	987	970	32	25	25	25
3	225	677	529	349	501	844	1070	381	32	25	25	25
4	265	422	487	446	601	748	866	37	32	25	25	25
5	218	721	643	337	619	976	1060	137	32	25	25	25
6	95	86	613	405	713	1370	861	37	32	24	25	25
7	206	1360	420	471	670	473	808	38	31	24	25	25
8	92	233	194	428	312	964	1090	38	31	25	25	25
9	123	525	458	442	549	1500	1220	39	31	25	25	25
10	282	37	681	812	273	860	503	39	31	25	25	25
11	158	435	614	139	792	1380	968	40	31	25	25	25
12	307	1340	766	1210	372	1280	714	40	30	175	25	25
13	557	135	720	550	701	1110	562	40	29	24	25	25
14	222	558	343	685	521	578	868	41	29	25	25	25
15	595	852	682	757	496	1550	881	41	678	686	25	25
16	397	217	965	472	572	701	539	42	202	25	25	25
17	272	356	385	477	493	1460	622	92	29	25	25	25
18	862	610	682	497	430	1480	694	1250	28	25	25	25
19	187	230	183	410	440	267	297	1040	28	25	25	25
20	817	264	569	893	838	476	1680	42	28	25	25	25
21	47	659	450	799	571	1210	114	838	28	25	25	25
22	734	336	816	878	467	1850	1200	679	27	25	25	25
23	431	576	348	384	1040	1510	954	40	27	25	25	25
24	107	325	1490	625	865	1340	520	36	27	25	25	25
25	339	611	475	551	627	1250	776	36	27	25	25	25
26	363	471	755	1040	775	742	841	35	26	25	25	25
27	326	588	628	488	929	1060	753	35	26	25	25	25
28	458	869	652	779	612	1270	605	35	26	25	25	25
29	248	424	527	493	---	959	393	35	26	25	25	25
30	207	717	460	602	---	1480	1210	34	26	25	25	25
31	225	---	404	568	---	1350	---	33	---	25	25	---
TOTAL	9584	15863	18387	18378	16732	33370	24956	6379	1695	1584	775	750
MEAN	309	529	593	593	598	1076	832	206	56.5	51.1	25.0	25.0
MAX	862	1360	1490	1210	1040	1850	1680	1250	678	686	25	25
MIN	47	37	183	139	273	267	114	33	26	24	25	25
AC-FT	19010	31460	36470	36450	33190	66190	49500	12650	3360	3140	1540	1490

CAL YR 2000 TOTAL 266130 MEAN 727 MAX 2410 MIN 30 AC-FT 527900
WTR YR 2001 TOTAL 148453 MEAN 407 MAX 1850 MIN 24 AC-FT 294500

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in NE¼SE¼NE¼ sec. 30, T. 10 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 1.2 mi downstream from Salt Creek, 2.0 mi northeast of Corinne, and 2.8 mi downstream from Malad River.

DRAINAGE AREA.--7,029 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, 2,620 ft^3/s, Mar 29, gage height, 8.23 ft; minimum daily discharge, 53 ft^3/s, Sep 4, 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	440	633	496	1050	1020	1970	1360	98	75	e95	92
2	377	634	673	516	972	1260	1900	556	92	73	e121	87
3	389	790	707	780	925	892	1520	825	100	72	e144	82
4	473	849	575	662	947	1260	1770	692	98	72	e163	53
5	543	636	559	408	1000	1130	1410	281	96	84	e129	53
6	531	775	652	460	1060	1350	1700	281	89	61	e126	63
7	433	433	627	540	1040	1410	1570	147	86	69	e121	65
8	511	988	500	597	1190	1130	1480	110	86	71	e126	65
9	469	554	278	600	879	1380	1830	106	86	78	e123	69
10	392	629	345	598	1120	1490	1680	100	87	81	e167	76
11	544	312	461	896	823	1590	1620	99	87	82	e313	77
12	520	518	498	586	1180	1810	1910	95	94	77	e178	81
13	585	1030	507	904	958	1910	1780	95	112	200	e71	86
14	919	477	503	805	1070	1680	1370	94	110	160	e95	79
15	704	665	349	876	1050	1350	1580	95	108	107	e89	68
16	766	891	475	884	908	1560	1650	109	576	472	e81	63
17	772	533	562	891	976	1230	1480	114	473	338	e67	61
18	523	417	351	719	981	2040	1450	187	179	149	e78	59
19	899	686	476	848	900	2160	1490	912	114	e98	e76	59
20	598	496	470	765	1070	952	951	900	93	80	e80	61
21	808	286	e653	1040	1190	985	2200	307	83	76	e104	62
22	429	632	e509	1120	1140	1750	877	705	79	75	98	66
23	676	497	655	1150	1210	2080	1680	776	80	79	91	68
24	774	609	467	789	1270	1960	1780	315	73	80	92	71
25	401	535	786	966	1420	1970	1160	164	67	81	90	79
26	509	625	472	1020	1060	1950	1230	129	69	84	88	78
27	684	652	728	1220	1210	1610	1270	120	75	78	86	82
28	570	727	827	1130	1340	1540	1540	117	75	84	86	90
29	754	730	788	1060	---	2110	1310	114	68	95	79	90
30	575	585	797	1100	---	1810	1220	110	81	107	80	104
31	450	---	630	1040	---	1880	---	102	---	e107	78	---
TOTAL	17932	18631	17513	25466	29939	48249	46378	10117	3614	3445	3415	2189
MEAN	578	621	565	821	1069	1556	1546	326	120	111	110	73.0
MAX	919	1030	827	1220	1420	2160	2200	1360	576	472	313	104
MIN	354	286	278	408	823	892	877	94	67	61	67	53
AC-FT	35570	36950	34740	50510	59380	95700	91990	20070	7170	6830	6770	4340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-57, 1964-2001, BY WATER YEAR (WY)

MEAN	1405	1676	1728	1854	1897	2374	2901	3003	2293	756	655	958
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	2001	1995	1993	1993	1991	1992	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950-57, 1964-2001	
ANNUAL TOTAL	354348		226888			
ANNUAL MEAN	968		622		1789	
HIGHEST ANNUAL MEAN					5050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	3590	Jan 10	2200	Apr 21	14300	May 19 1984
LOWEST DAILY MEAN	74	Aug 15	53	Sep 4	47	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	77	Aug 12	62	Sep 16	50	Aug 22 1992
ANNUAL RUNOFF (AC-FT)	702800		450000		1296000	
10 PERCENT EXCEEDS	2130		1480		3700	
50 PERCENT EXCEEDS	674		516		1470	
90 PERCENT EXCEEDS	95		77		133	

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1973 to September 1981, October 21, 1998 to September 30, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1974 to September 1981, November 18, 1998 to September 30, 1999.

INSTRUMENTATION.--Temperature data logger.

REMARKS.--Records were unavailable due to stolen instruments.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 30.0°C, Jul 27, 28, 1978; minimum, 0.0°C, many days during the winter period.

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										
21...	1100	1440	100	10.0	8.3	1050	8.8	280	56	35
NOV										
17...	1040	1660	108	11.3	8.5	1030	6.3	290	56	37
DEC										
15...	1120	E1700	99	12.6	8.6	960	.0	310	64	38
JAN										
21...	1020	2410	113	12.7	8.4	900	3.7	290	60	33
FEB										
17...	0930	E2190	96	10.7	8.2	1030	4.1	290	64	32
MAR										
20...	1110	1620	--	11.7	8.5	1090	5.0	290	63	33
APR										
26...	1210	2080	107	9.5	8.3	790	14.0	230	51	24
MAY										
18...	1110	1330	111	9.5	8.6	936	15.7	--	--	--
JUN										
15...	1135	92	192	14.3	8.4	4870	22.5	390	73	50
JUL										
21...	0950	96	111	8.0	8.5	4650	23.6	410	75	53
AUG										
25...	1240	95	139	9.6	8.4	4480	23.7	400	71	54
SEP										
20...	1120	312	101	8.3	8.3	2090	17.5	330	57	46

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										
21...	8.9	3	99	242	291	2	160	.22	11	53
NOV										
17...	9.8	2	94	269	326	1	150	.23	11	57
DEC										
15...	7.9	2	87	277	320	9	120	.26	13	53
JAN										
21...	7.6	2	74	264	313	4	110	.22	12	45
FEB										
17...	11	2	96	277	328	5	140	.22	14	50
MAR										
20...	11	3	104	276	331	3	160	.21	13	56
APR										
26...	7.1	2	72	223	259	7	110	.13	10	31
MAY										
18...	7.1	--	77	226	266	5	140	.27	8.9	33
JUN										
15...	8.5	19	868	282	330	7	1400	.42	8.8	81
JUL										
21...	8.8	17	790	309	366	5	1300	.71	16	91
AUG										
25...	42	16	738	321	387	2	1200	.21	15	90
SEP										
20...	14	7	282	273	329	2	460	.31	14	66

10126000 BEAR RIVER NEAR CORINNE, UT--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										
21...	<.020	.26	.44	.368	.014	.026	.022	.098	.78	2240
NOV										
17...	.034	.19	.33	.560	.013	.033	.023	.078	.80	2640
DEC										
15...	.062	.24	.28	.735	.013	.046	.037	.081	.77	E2584
JAN										
21...	.079	.24	.44	.711	.018	.082	.072	.138	.69	3290
FEB										
17...	.198	.43	.78	.902	.021	.079	.063	.186	.80	E3465
MAR										
20...	.040	.28	.65	.935	.018	.046	.033	.178	.82	2640
APR										
26...	<.020	.28	.75	.417	.014	.029	.020	.217	.62	2570
MAY										
18...	<.020	.26	.71	.165	.013	.014	<.010	.219	--	--
JUN										
15...	<.020	.50	2.1	1.11	.187	.013	<.010	.338	3.74	683
JUL										
21...	.072	.67	1.2	1.06	.211	.053	.037	.300	3.54	674
AUG										
25...	<.020	.51	1.3	1.03	.160	.036	.020	.323	3.31	624
SEP										
20...	<.020	.38	.85	.340	.074	.040	.029	.206	1.52	938

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										
21...	576	569	13	<10	1.1	2.2	1.0	424	109	67
NOV										
17...	588	575	8.8	<10	E1.6	2.4	--	376	84	44
DEC										
15...	563	556	7.5	<10	2.4	1.9	.40	E431	94	51
JAN										
21...	505	499	7.9	<10	5.7	2.4	.70	208	32	63
FEB										
17...	586	582	34	<10	4.0	2.9	1.4	E603	102	82
MAR										
20...	604	611	45	<10	3.9	2.7	2.8	604	138	83
APR										
26...	457	438	45	<10	E1.3	3.1	4.5	713	127	94
MAY										
18...	504	--	60	<10	<2.2	3.1	1.3	460	128	97
JUN										
15...	2750	2680	62	<50	19	8.5	.95	36	146	98
JUL										
21...	2600	2520	66	<50	E2.2	7.1	<.20	38	146	98
AUG										
25...	2430	2440	90	<30	<2.2	5.3	3.1	37	143	100
SEP										
20...	1110	1100	40	<30	<3.2	4.6	1.8	78	92	98

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									
21...	1100	<1.0	<1.0	3	71	<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								
21...	1.2	<1.0	4.2	<1.0	<2	<1.0	V7.3	1.4

10126000 BEAR RIVER NEAR CORINNE, UT--Continued
(National Water-Quality Assessment Program Station)

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										
22...	1200	ENVIRONMENTAL	2310	98	9.7	8.4	923	10.5	280	57
NOV										
17...	1110	ENVIRONMENTAL	2800	102	10.8	8.4	843	5.2	290	57
DEC										
16...	1100	FIELD BLANK	--	--	--	--	--	--	--	<.020
16...	1200	ENVIRONMENTAL	1960	101	13.0	8.6	1030	.0	300	61
JAN										
28...	1055	ENVIRONMENTAL	2290	99	12.6	8.4	1040	.0	300	64
FEB										
18...	1110	ENVIRONMENTAL	2850	99	11.4	8.4	1000	3.2	300	62
MAR										
17...	1140	ENVIRONMENTAL	2560	100	10.2	8.5	920	8.0	310	61
APR										
23...	1120	ENVIRONMENTAL	3360	93	9.2	8.5	740	9.0	240	56
MAY										
04...	1350	ENVIRONMENTAL	5380	83	8.1	8.3	610	9.4	210	50
21...	1100	ENVIRONMENTAL	4210	95	8.0	8.4	660	16.1	220	53
JUN										
16...	1330	ENVIRONMENTAL	4550	99	7.6	8.3	580	20.9	200	51
JUL										
21...	1140	ENVIRONMENTAL	940	113	8.3	8.4	960	23.5	240	53
AUG										
18...	1200	ENVIRONMENTAL	1160	148	10.8	8.4	960	23.0	250	49
SEP										
16...	1140	ENVIRONMENTAL	1460	98	9.4	8.5	1160	17.5	270	51

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											
22...	33	7.7	2	79	253	309	--	120	.24	12	48
NOV											
17...	36	7.0	2	70	252	297	6	96	.23	11	47
DEC											
16...	<.004	<.10	--	E.039	--	--	--	.30	<.10	<.050	<.10
16...	36	8.5	2	94	267	308	8	150	.24	12	53
JAN											
28...	35	10	2	96	284	347	--	140	.28	14	54
FEB											
18...	35	9.3	2	85	275	331	2	130	.25	14	55
MAR											
17...	38	8.5	2	81	266	316	4	110	.25	12	55
APR											
23...	25	6.0	2	61	219	255	6	92	.19	10	33
MAY											
04...	21	5.8	1	44	196	238	1	61	.16	11	28
21...	22	5.3	1	49	217	262	3	70	.22	9.6	30
JUN											
16...	18	4.6	1	40	190	232	--	59	.15	8.6	19
JUL											
21...	27	8.5	3	96	240	293	1	150	.15	11	32
AUG											
18...	30	8.9	3	95	219	261	3	140	.22	13	11
SEP											
16...	34	10	3	118	256	304	4	190	.23	13	51

10126000 BEAR RIVER NEAR CORINNE, 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										
22...	.029	.19	.45	.599	<.010	E.035	.030	.112	.73	3330
NOV										
17...	.029	.19	.38	.561	.011	E.035	.030	.094	.69	3830
DEC										
16...	.020	<.10	<.10	<.050	.019	<.050	.014	<.050	--	--
16...	.081	.24	.28	.616	.031	<.050	.038	.050	.80	3120
JAN										
28...	.193	.46	.61	1.05	.021	.107	.096	.153	.83	3790
FEB										
18...	.192	.47	.63	1.23	.019	.089	.079	.154	.81	4560
MAR										
17...	.065	.25	.60	.713	.012	.046	.040	.038	.74	3750
APR										
23...	.049	.29	1.0	.380	.010	.032	.036	.300	.59	3920
MAY										
04...	.090	.38	.84	.485	.014	.058	.048	.281	.49	5210
21...	.026	.24	.61	.327	.012	.030	.033	.181	.53	4410
JUN										
16...	<.020	.26	.58	.284	.010	.037	.031	.198	.46	4160
JUL										
21...	<.020	.41	.89	<.050	.024	.011	<.010	.251	.72	1350
AUG										
18...	<.020	.31	.78	<.050	<.010	.008	<.010	.234	.72	1670
SEP										
16...	<.020	.25	.61	.310	.029	.014	<.010	.121	.88	2550

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										
22...	534	515	--	<10	<3.0	2.7	1.0	658	106	--
NOV										
17...	507	478	--	<10	E1.5	2.4	.70	578	76	--
DEC										
16...	<10	--	--	<10	<3.0	--	--	--	--	--
16...	590	581	--	<10	E2.8	2.0	.50	423	80	--
JAN										
28...	613	591	--	<10	7.3	3.4	.40	254	41	--
FEB										
18...	592	559	--	<10	8.1	2.9	.70	719	94	--
MAR										
17...	543	532	--	<10	6.4	2.9	.90	774	112	--
APR										
23...	432	417	--	<10	<3.0	3.4	4.1	1840	203	82
MAY										
04...	359	342	--	<10	E1.7	3.6	1.6	1020	70	85
21...	388	373	--	<10	<3.0	3.5	2.4	2630	232	74
JUN										
16...	339	316	--	<10	E2.4	3.4	2.4	1360	110	78
JUL										
21...	531	520	--	<10	<3.0	4.1	3.8	--	--	--
AUG										
18...	533	482	39	<10	<3.0	4.1	--	431	138	98
SEP										
16...	646	623	25	<10	E1.5	3.0	1.6	477	121	69

10126000 BEAR RIVER NEAR CORINNE, 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)
MAR 17...	1140	V3.6	<1.0	3	74	<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)
MAR 17...	1.6	<1.0	1.1	1.4	<1	<1.0	V5.1	1.2

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION.--Lat 40°44'14", long 111°14'50", in NW¼SE¼NE¼ 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 16	2200	*1,790	*3.65	No other peak greater than base discharge.			

Minimum daily discharge, 42 ft^3/s, Dec 31, Jan 1-4.

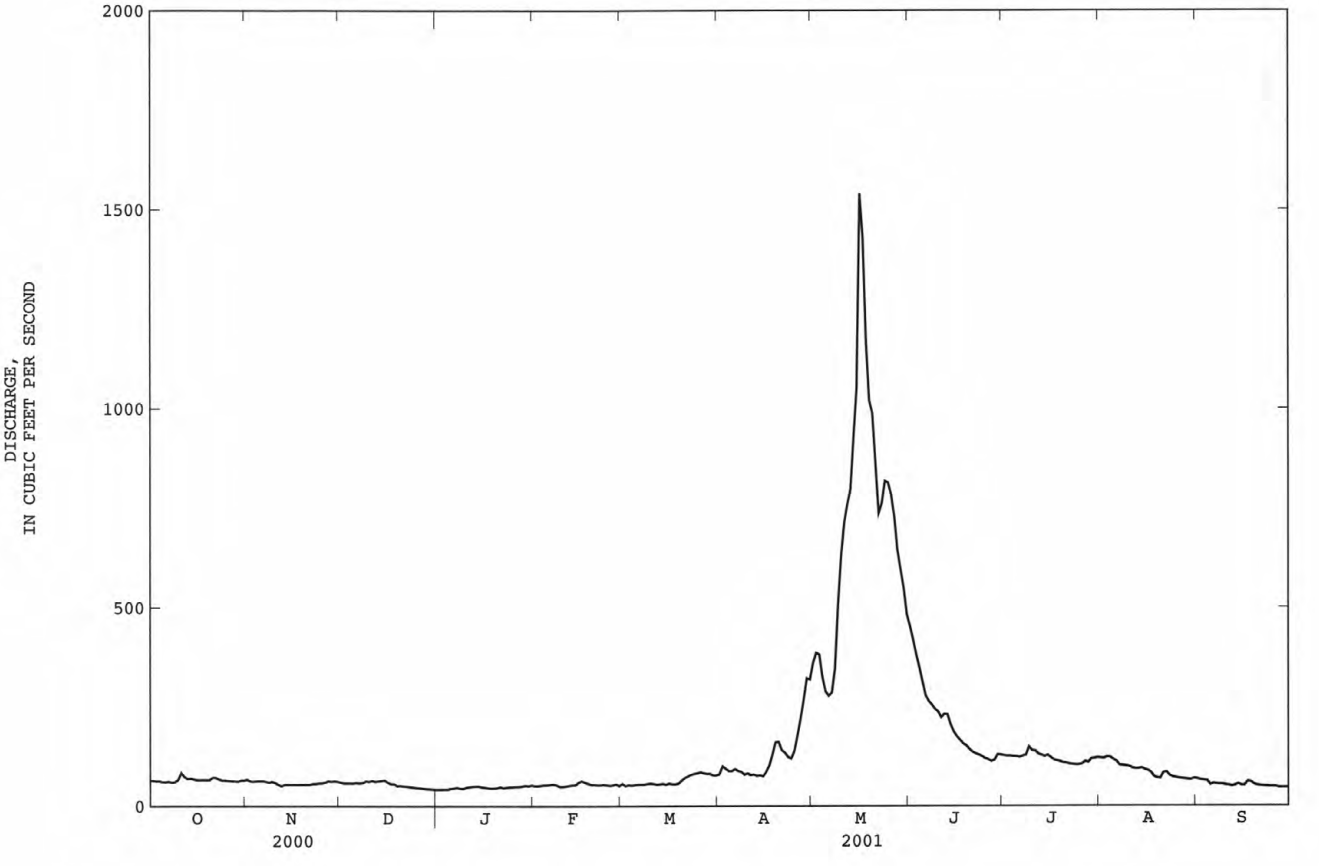
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	e67	e60	e42	e51	56	80	360	452	126	120	67
2	64	e63	e58	e42	e51	51	100	385	417	125	119	65
3	63	e62	e58	e42	e52	53	94	381	381	125	123	64
4	63	e63	e58	e42	e53	52	88	324	349	124	122	63
5	61	e63	e58	e44	e53	53	88	288	312	124	116	53
6	61	e63	e59	e45	e54	54	93	277	278	122	112	56
7	62	e62	e58	e47	e55	54	88	285	263	125	102	55
8	60	e60	e59	e45	e53	54	86	344	254	127	101	54
9	61	e62	e63	e44	e49	56	79	504	243	148	100	54
10	67	e59	e62	e47	e49	57	82	629	237	139	99	52
11	84	e54	e64	e48	e50	56	78	713	222	138	95	51
12	74	e51	e62	e49	e52	54	79	760	231	130	93	49
13	69	e54	e63	e50	e53	55	76	797	230	127	93	51
14	70	e54	e64	e50	53	56	77	928	204	124	95	55
15	68	e54	e65	e48	60	54	75	1050	186	127	91	51
16	66	e54	e60	e47	63	57	86	1540	174	121	89	51
17	66	e54	e56	e46	60	55	102	1430	165	115	84	61
18	66	e54	e56	e45	57	55	129	1170	156	113	73	60
19	66	e54	e51	e45	54	57	160	1020	151	111	70	54
20	66	e54	e52	e46	54	65	161	988	142	108	69	51
21	72	e54	e50	e48	53	71	140	863	135	107	83	50
22	72	e56	e50	e46	53	75	134	737	131	105	85	49
23	68	e56	e48	e47	54	79	123	762	128	104	76	49
24	e65	e58	e48	e48	53	81	119	818	124	103	72	48
25	e65	e58	e46	e48	52	83	138	814	119	103	71	48
26	e64	e60	e46	e49	53	85	177	783	116	105	69	48
27	e63	e63	e45	e49	55	83	219	728	112	111	68	46
28	e63	e62	e44	e50	51	81	267	644	115	109	67	46
29	e62	e63	e43	e52	---	81	321	595	129	118	66	46
30	e65	e62	e43	e51	---	77	318	548	128	119	66	46
31	e65	---	e42	e53	---	77	---	481	---	121	69	---
TOTAL	2046	1753	1691	1455	1500	1977	3857	21946	6284	3704	2758	1593
MEAN	66.0	58.4	54.5	46.9	53.6	63.8	129	708	209	119	89.0	53.1
MAX	84	67	65	53	63	85	321	1540	452	148	123	67
MIN	60	51	42	42	49	51	75	277	112	103	66	46
AC-FT	4060	3480	3350	2890	2980	3920	7650	43530	12460	7350	5470	3160
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2001, BY WATER YEAR (WY)												
MEAN	80.2	70.1	60.8	56.5	56.7	67.6	178	686	912	267	115	85.7
MAX	202	122	105	91.2	86.1	181	515	1279	2178	1486	259	199
(WY)	1983	1913	1984	1984	1915	1986	1910	1914	1909	1907	1983	1983
MIN	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1905 - 2001	
ANNUAL TOTAL	54237		50564			
ANNUAL MEAN	148		139		220	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	1410	May 26	1540	May 16	4170	Jun 13 1921
LOWEST DAILY MEAN	42	Dec 31	42	Dec 31	20	Dec 1 1977
ANNUAL SEVEN-DAY MINIMUM	44	Dec 25	42	Dec 29	23	Nov 30 1977
ANNUAL RUNOFF (AC-FT)	107600		100300		159200	
10 PERCENT EXCEEDS	354		286		624	
50 PERCENT EXCEEDS	67		65		80	
90 PERCENT EXCEEDS	51		48		49	

e Estimated



10129500 WEBER RIVER NEAR WANSHIP, UT

LOCATION.--Lat 40°47'34", Long 111°24'15", in SE¼SE¼NE¼ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 0.1 mi downstream from Wanship Dam, 1.2 mi south of Wanship and 1.25 mi upstream from Silver Creek.

DRAINAGE AREA.--335 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, 210 ft^3/s, Jul 31; minimum daily discharge, 22 ft^3/s, Mar 11, 12, 13, 26, 27, Apr 4-10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	105	85	e81	76	41	23	24	188	199	199	181
2	176	101	84	e79	76	38	23	25	184	199	201	197
3	174	102	83	e80	e63	33	23	25	187	177	201	202
4	175	103	82	e80	e60	28	22	25	193	194	201	204
5	179	105	84	e81	e60	26	22	25	193	199	199	207
6	181	105	84	e81	e58	25	22	24	190	201	197	206
7	183	107	84	e80	e59	24	22	53	191	201	199	202
8	183	105	84	e80	e57	24	22	93	187	194	201	199
9	181	105	87	e82	e55	24	22	91	184	181	201	198
10	183	103	87	83	e57	23	22	91	187	201	198	196
11	138	99	88	82	e58	22	23	94	193	198	198	196
12	99	99	85	82	e57	22	23	93	208	198	199	196
13	101	99	88	82	e57	22	24	93	207	194	197	195
14	102	99	89	82	e56	23	24	129	203	183	197	195
15	103	95	89	82	e56	23	24	187	201	198	196	194
16	104	94	87	82	e56	23	24	116	200	198	196	194
17	104	88	87	82	e56	23	24	128	178	198	187	180
18	103	87	87	82	e57	23	24	196	206	200	197	169
19	103	87	87	82	e57	23	23	194	205	201	198	165
20	108	87	86	80	e56	23	24	190	202	201	196	166
21	110	86	84	79	e56	23	25	191	199	200	197	165
22	111	85	e84	78	e57	23	24	189	197	199	194	160
23	107	88	e81	78	e56	23	24	187	196	199	184	154
24	102	85	e80	77	e56	23	24	185	194	200	180	128
25	102	84	e80	76	e56	23	24	186	195	201	183	113
26	102	83	e79	76	e56	22	24	177	196	203	181	113
27	103	82	e80	76	57	22	24	189	199	205	170	113
28	105	84	e80	76	46	23	24	188	199	207	178	113
29	104	87	e80	77	---	23	24	189	199	207	171	111
30	105	87	e81	76	---	23	24	190	198	207	183	111
31	105	---	e80	77	---	23	---	189	---	210	181	---
TOTAL	4011	2826	2606	2471	1627	764	701	3956	5859	6153	5960	5123
MEAN	129	94.2	84.1	79.7	58.1	24.6	23.4	128	195	198	192	171
MAX	183	107	89	83	76	41	25	196	208	210	201	207
MIN	99	82	79	76	46	22	22	24	178	177	170	111
AC-FT	7960	5610	5170	4900	3230	1520	1390	7850	11620	12200	11820	10160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	164	143	128	87.5	94.6	117	154	267	504	285	220	193
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	24.6	23.4	94.1	137	120	175	112
(WY)	1993	1993	1995	1993	1991	2001	2001	1989	1989	1958	1999	1989

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	52409		42057			
ANNUAL MEAN	143		115		197	
HIGHEST ANNUAL MEAN					314	1997
LOWEST ANNUAL MEAN					115	2001
HIGHEST DAILY MEAN	462	Jun 10	210	Jul 31	1610	Jun 18 1995
LOWEST DAILY MEAN	27	Feb 9	22	Mar 11	.10	Nov 17 1957
ANNUAL SEVEN-DAY MINIMUM	28	Feb 9	22	Apr 4	.11	Nov 16 1957
ANNUAL RUNOFF (AC-FT)	104000		83420		142500	
10 PERCENT EXCEEDS	209		199		322	
50 PERCENT EXCEEDS	150		99		183	
90 PERCENT EXCEEDS	64		24		26	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40°53'43", long 111°24'04", in NE¼SW¼NE¼ sec. 20, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi upstream from high-water line of Echo Reservoir, 1.4 mi south of Coalville, 1.7 mi upstream from Chalk Creek, and 5.5 mi downstream from Silver Creek.

DRAINAGE AREA.--435 mi^2.

PERIOD OF RECORD.--April 1927 to current year.

REVISED RECORDS.--WSP 1314: 1943(M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,600 ft above sea level, from topographic map. Prior to 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, 248 ft^3/s, Jun 13, gage height, 2.68 ft; minimum discharge, 27 ft^3/s, May 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	135	106	e82	e79	41	45	55	171	202	182	148
2	185	129	105	e80	e77	42	56	54	166	201	186	148
3	184	125	103	e82	e74	43	67	52	171	181	192	147
4	185	123	100	e82	e71	43	55	49	185	203	194	151
5	189	124	98	e83	e74	45	59	42	187	208	189	153
6	189	125	98	e83	e72	47	69	38	183	203	185	154
7	191	125	98	e82	e71	46	66	40	180	204	181	156
8	194	123	97	e82	e69	45	73	68	175	196	185	157
9	194	125	97	e84	e68	46	62	68	173	194	183	157
10	202	124	99	e87	e70	48	61	67	176	221	179	157
11	184	122	101	e86	e70	49	56	73	181	239	174	155
12	123	121	94	e86	e69	48	55	73	194	232	172	153
13	121	120	98	e87	e69	47	54	73	216	218	171	155
14	121	117	97	e86	67	48	52	93	211	212	173	156
15	121	115	e97	e87	69	45	52	168	210	225	175	155
16	121	109	e96	e85	70	46	51	129	201	222	168	159
17	121	114	e97	e85	71	45	53	100	183	221	156	158
18	121	116	e96	e85	71	44	56	177	186	217	157	148
19	120	115	e95	e85	75	45	61	182	191	218	153	145
20	124	114	e96	e82	78	51	62	174	187	214	152	141
21	126	111	e94	e81	80	55	62	170	182	209	169	142
22	128	104	e94	e80	84	74	68	170	174	204	179	143
23	125	105	e91	e80	85	74	64	164	169	210	164	142
24	120	109	e90	e78	79	73	58	159	170	210	160	127
25	119	112	e87	e80	77	64	56	157	172	208	156	104
26	119	103	e85	e79	77	58	57	162	173	199	152	100
27	119	101	e86	e79	63	54	58	172	182	192	140	100
28	121	103	e84	e79	41	51	59	173	184	196	144	99
29	121	104	e84	e80	---	53	66	168	185	193	136	99
30	125	108	e85	e80	---	52	62	169	194	188	149	101
31	131	---	e83	e80	---	48	---	172	---	182	150	---
TOTAL	4529	3481	2931	2557	2020	1570	1775	3611	5512	6422	5206	4210
MEAN	146	116	94.5	82.5	72.1	50.6	59.2	116	184	207	168	140
MAX	202	135	106	87	85	74	73	182	216	239	194	159
MIN	119	101	83	78	41	41	45	38	166	181	136	99
AC-FT	8980	6900	5810	5070	4010	3110	3520	7160	10930	12740	10330	8350

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	174	154	146	132	133	163	202	328	560	278	184	177
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	52733		43824			
ANNUAL MEAN	144		120		219	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	441	Jun 14	239	Jul 11	1860	Jun 12 1983
LOWEST DAILY MEAN	43	Feb 10	38	May 6	7.0	Apr 20 1977
ANNUAL SEVEN-DAY MINIMUM	45	Feb 9	43	Feb 28	15	May 2 1961
ANNUAL RUNOFF (AC-FT)	104600		86920		158900	
10 PERCENT EXCEEDS	202		193		387	
50 PERCENT EXCEEDS	151		112		174	
90 PERCENT EXCEEDS	80		54		46	

e Estimated

10131000 CHALK CREEK AT COALVILLE, UT

LOCATION.--Lat 40°55'14", long 111°24'03", in NW¼NE¼SE¼ sec. 8, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 100 ft downstream from bridge on U.S. Highway 189 in Coalville and 0.3 mi upstream from mouth.

DRAINAGE AREA.--250 mi^2.

PERIOD OF RECORD.--November 1904, March to November 1905, April 1927 to current year.

REVISED RECORDS.--WSP 1564: 1929. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,557.6 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 16	1945	*335	*4.51				

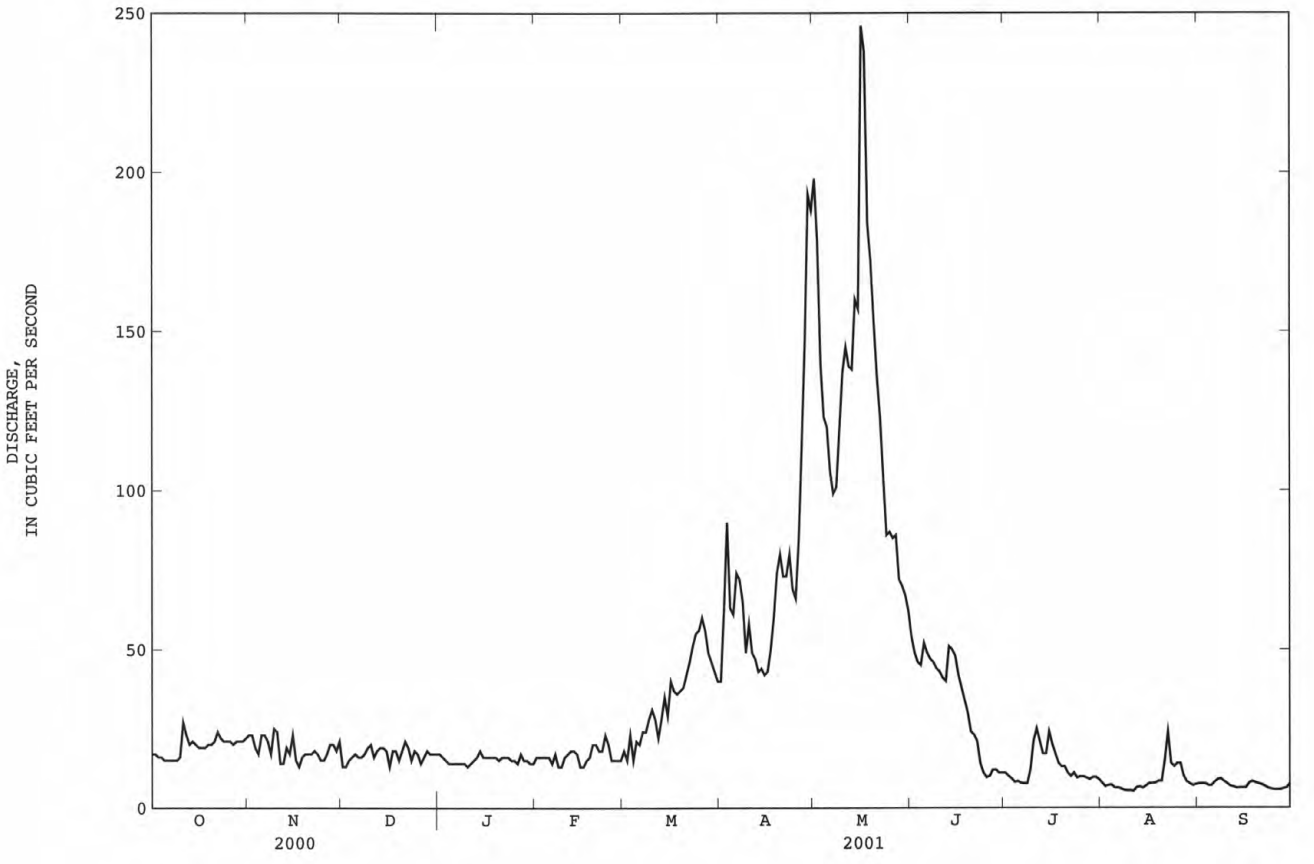
Minimum discharge, 2.3 ft^3/s, Jan 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	23	13	17	16	18	40	198	54	11	7.8	7.6
2	17	23	13	16	16	15	62	178	49	10	6.7	7.6
3	16	19	15	15	16	23	90	140	46	9.2	7.1	7.6
4	16	17	16	14	16	15	63	123	45	8.1	7.2	7.0
5	15	23	17	14	16	21	61	120	52	8.4	6.3	7.0
6	15	23	16	14	14	20	74	106	49	7.8	6.3	8.1
7	15	21	16	14	17	24	72	99	47	7.7	6.0	8.9
8	15	17	17	14	13	24	65	101	46	7.7	5.5	9.1
9	15	25	19	14	13	28	49	119	44	12	5.4	8.3
10	16	24	20	13	16	31	58	137	43	21	5.4	7.6
11	27	14	16	14	17	28	49	145	41	25	5.2	6.8
12	23	14	18	15	18	22	47	139	40	21	6.4	6.6
13	20	19	19	16	18	28	43	138	51	17	6.6	6.2
14	21	17	19	18	17	35	44	160	50	17	6.2	6.3
15	20	23	18	16	13	29	42	157	48	24	6.9	6.3
16	19	15	13	16	13	40	43	246	42	20	7.7	6.3
17	19	13	18	16	15	37	50	238	38	17	7.7	7.8
18	19	16	18	16	16	36	60	184	34	14	7.8	8.3
19	20	17	15	16	20	37	74	172	30	13	8.4	7.9
20	20	17	18	15	20	38	80	153	24	13	8.4	7.6
21	21	17	21	16	18	42	73	136	23	11	15	7.3
22	24	18	19	16	18	46	73	123	21	9.9	24	6.8
23	22	17	15	16	23	51	80	104	14	11	14	6.2
24	21	15	18	15	20	55	69	86	11	9.4	13	5.9
25	21	15	17	15	15	56	66	87	9.6	9.8	14	5.7
26	21	17	14	14	15	60	85	85	10	9.8	14	5.7
27	20	20	16	17	15	56	115	86	12	9.4	10	5.7
28	21	20	18	15	15	49	147	72	12	8.9	8.2	6.0
29	21	18	17	15	---	46	193	70	11	9.6	7.6	6.3
30	21	21	17	14	---	43	188	67	11	9.6	7.0	7.6
31	22	---	17	14	---	40	---	62	---	8.9	7.4	---
TOTAL	600	558	523	470	459	1093	2255	4031	1007.6	391.2	269.2	212.1
MEAN	19.4	18.6	16.9	15.2	16.4	35.3	75.2	130	33.6	12.6	8.68	7.07
MAX	27	25	21	18	23	60	193	246	54	25	24	9.1
MIN	15	13	13	13	13	15	40	62	9.6	7.7	5.2	5.7
AC-FT	1190	1110	1040	932	910	2170	4470	8000	2000	776	534	421
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2001, BY WATER YEAR (WY)												
MEAN	22.0	24.0	21.2	21.0	23.8	40.6	117	283	180	48.1	24.0	21.8
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

10131000 CHALK CREEK AT COALVILLE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1928 - 2001	
ANNUAL TOTAL	12695.3		11869.1			
ANNUAL MEAN	34.7		32.5		69.0	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	223	May 26	246	May 16	1420	May 22 1993
LOWEST DAILY MEAN	6.6	Sep 20	5.2	Aug 11	1.0	Jun 8 1934
ANNUAL SEVEN-DAY MINIMUM	7.6	Sep 15	5.7	Aug 5	1.0	Aug 19 1934
ANNUAL RUNOFF (AC-FT)	25180		23540		50000	
10 PERCENT EXCEEDS	89		74		185	
50 PERCENT EXCEEDS	22		17		26	
90 PERCENT EXCEEDS	11		7.6		11	



10132000 WEBER RIVER AT ECHO, UT

LOCATION.--Lat 40°58'04", long 111°26'13", in NE¼SE¼NE¼ sec. 25, T. 3 N., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 0.5 mi downstream from Echo Dam, 150 yards upstream from Echo Creek, 0.75 mi southeast of Echo.

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, 461 ft^3/s, Jul 31; minimum daily discharge, 0.62 ft^3/s, Nov 10-14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	e.65	e.69	e.81	e.96	e1.2	e1.4	e2.4	320	384	457	352
2	223	e.65	e.69	e.81	e.96	e1.2	e1.4	e2.4	357	383	450	352
3	268	e.65	e.70	e.82	e.97	e1.2	e1.4	e2.5	357	399	445	373
4	224	e.64	e.70	e.82	e.98	e1.2	e1.5	e2.6	328	414	391	389
5	233	e.64	e.71	e.83	e1.0	e1.1	e1.5	e2.6	298	410	322	387
6	228	e.64	e.72	e.83	e1.0	e1.2	e1.6	e2.6	252	366	330	366
7	216	e.63	e.72	e.84	e1.0	e1.3	e1.6	e17	259	330	352	293
8	202	e.63	e.73	e.84	e1.1	e1.3	e1.7	e54	281	298	396	257
9	180	e.63	e.73	e.84	e1.1	e1.3	e1.8	54	347	245	434	258
10	143	e.62	e.74	e.85	e1.1	e1.4	e1.8	54	371	181	442	246
11	53	e.62	e.74	e.85	e1.1	e1.5	e1.8	54	305	188	435	258
12	1.5	e.62	e.74	e.86	e1.1	e1.6	e1.8	54	282	234	414	294
13	1.2	e.62	e.75	e.86	e1.1	e1.5	e1.8	55	211	200	381	293
14	1.0	e.62	e.75	e.87	e1.1	e1.5	e1.9	56	139	193	337	261
15	.82	e.63	e.76	e.87	e1.1	e1.6	e1.9	66	140	198	345	237
16	e.70	e.63	e.76	e.88	e1.0	e1.6	e1.9	73	140	234	383	235
17	e.70	e.63	e.76	e.88	e1.0	e1.5	e1.9	67	199	271	429	258
18	e.70	e.64	e.77	e.89	e1.1	e1.5	e1.9	67	259	361	429	260
19	e.70	e.64	e.77	e.89	e1.1	e1.5	e1.9	67	276	401	401	258
20	e.69	e.64	e.77	e.90	e1.0	e1.5	e1.9	78	255	379	398	234
21	e.69	e.65	e.78	e.90	e1.1	e1.4	e2.0	130	288	365	365	243
22	e.69	e.65	e.78	e.91	e1.1	e1.4	e2.1	185	355	365	290	247
23	e.68	e.66	e.79	e.91	e1.2	e1.5	e2.1	194	366	387	280	254
24	e.68	e.66	e.79	e.92	e1.1	e1.5	e2.1	249	357	402	293	280
25	e.68	e.66	e.79	e.92	e1.2	e1.4	e2.2	299	356	402	355	298
26	e.67	e.67	e.79	e.93	e1.2	e1.4	e2.2	322	342	404	384	295
27	e.67	e.67	e.80	e.93	e1.2	e1.4	e2.2	317	353	401	402	280
28	e.67	e.67	e.80	e.94	e1.2	e1.4	e2.2	292	371	395	410	290
29	e.66	e.68	e.80	e.94	---	e1.4	e2.3	285	401	412	384	312
30	e.66	e.68	e.81	e.95	---	e1.4	e2.4	280	396	442	384	312
31	e.66	---	e.81	e.95	---	e1.4	---	283	---	461	367	---
TOTAL	2199.42	19.32	23.44	27.24	30.17	43.3	56.2	3667.1	8961	10505	11885	8672
MEAN	70.9	.64	.76	.88	1.08	1.40	1.87	118	299	339	383	289
MAX	268	.68	.81	.95	1.2	1.6	2.4	322	401	461	457	389
MIN	.66	.62	.69	.81	.96	1.1	1.4	2.4	139	181	280	234
AC-FT	4360	38	46	54	60	86	111	7270	17770	20840	23570	17200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932-58, 1989-2001, BY WATER YEAR (WY)

MEAN	120	93.0	89.4	93.8	110	117	180	527	720	505	429	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1932-58, 1989-2001	
ANNUAL TOTAL	75934.68		46089.19			
ANNUAL MEAN	207		126		273	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	589	Aug 9	461	Jul 31	3010	May 7 1952
LOWEST DAILY MEAN	.62	Nov 10	.62	Nov 10	.17	Jan 3 1991
ANNUAL SEVEN-DAY MINIMUM	.62	Nov 8	.62	Nov 8	.19	Dec 6 1992
ANNUAL RUNOFF (AC-FT)	150600		91420		198000	
10 PERCENT EXCEEDS	530		383		590	
50 PERCENT EXCEEDS	171		1.8		167	
90 PERCENT EXCEEDS	.68		.68		1.9	

e Estimated

10132500 LOST CREEK NEAR CROYDON, UT

LOCATION.--Lat 41°10'35", long 111°24'20", in NW¼NW¼SE¼ 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 current year. 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, no flow on April 13-19, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57 ft^3/s, Jul 8, gage height, 1.71 ft; minimum daily discharge, 8.7 ft^3/s, Oct 11-15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	10	e11	e11	e11	e11	11	11	45	56	56	52
2	33	10	e11	e11	e11	e11	11	11	35	56	56	52
3	25	10	e11	e11	e11	e11	11	11	35	56	56	52
4	25	10	e11	e11	e11	e11	11	11	41	56	56	42
5	25	10	e11	e11	e11	e11	11	11	46	56	56	29
6	25	10	e11	e11	e11	e11	11	11	46	56	56	29
7	25	10	e11	e11	e11	e11	11	11	46	56	56	36
8	25	10	e11	e11	e11	e11	11	11	46	56	56	41
9	25	10	e11	e11	e11	e11	11	11	45	56	56	41
10	18	10	e11	e11	e11	e11	11	11	45	56	56	41
11	8.7	10	e11	e11	e11	e11	11	11	51	56	56	41
12	8.7	10	e11	e11	e11	e11	11	11	56	56	54	41
13	8.7	10	e11	e11	e11	e11	11	11	56	56	54	41
14	8.7	10	e11	e11	e11	e11	11	11	56	56	55	41
15	8.7	10	e11	e11	e11	e11	11	11	56	56	55	41
16	10	e11	e11	e11	e11	e11	11	12	56	56	54	41
17	11	e11	e11	e11	e11	e11	11	12	56	56	54	41
18	11	e11	e11	e11	e11	e11	11	12	56	56	53	41
19	11	e11	e11	e11	e11	e11	11	12	56	56	53	41
20	11	e11	e11	e11	e11	e11	11	12	56	56	54	41
21	11	e11	e11	e11	e11	e11	11	12	56	56	54	41
22	11	e11	e11	e11	e11	e11	11	12	56	56	52	41
23	11	e11	e11	e11	e11	e11	11	12	56	56	52	41
24	11	e11	e11	e11	e11	e11	11	12	56	56	52	36
25	11	e11	e11	e11	e11	e11	11	12	56	56	52	29
26	10	e11	e11	e11	e11	e11	11	19	56	56	52	25
27	10	e11	e11	e11	e11	e11	11	28	56	56	52	23
28	10	e11	e11	e11	e11	11	11	28	56	56	52	19
29	10	e11	e11	e11	---	11	11	32	56	56	52	18
30	10	e11	e11	e11	---	11	11	44	56	56	52	18
31	10	---	e11	e11	---	11	---	51	---	56	52	---
TOTAL	479.5	315	341	341	308	341	330	487	1545	1736	1676	1116
MEAN	15.5	10.5	11.0	11.0	11.0	11.0	11.0	15.7	51.5	56.0	54.1	37.2
MAX	41	11	11	11	11	11	11	51	56	56	56	52
MIN	8.7	10	11	11	11	11	11	11	35	56	52	18
AC-FT	951	625	676	676	611	676	655	966	3060	3440	3320	2210

CAL YR 2000 TOTAL 8806.5 MEAN 24.1 MAX 90 MIN 8.7 AC-FT 17470
WTR YR 2001 TOTAL 9015.5 MEAN 24.7 MAX 56 MIN 8.7 AC-FT 17880

e Estimated

10134500 EAST CANYON CREEK NEAR MORGAN, UT

LOCATION.--Lat 40°55'21", long 111°36'23", in SW¼NW¼NW¼ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on right bank 2,500 ft downstream from East Canyon Dam, 2.4 mi upstream from Sheep Canyon, and 8.7 mi southeast of Morgan.

DRAINAGE AREA.--144 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 discharge, 194 ft^3/s, Jun 23, gage height, 1.15 ft; minimum daily discharge, 4.4 ft^3/s, Jan 4, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	6.2	4.7	4.7	4.7	4.7	6.1	7.0	28	159	159	107
2	17	6.2	4.7	4.7	4.7	4.7	6.8	7.0	32	159	159	104
3	18	5.5	4.7	4.6	4.7	4.7	6.2	7.0	32	159	161	83
4	16	5.5	4.7	4.4	4.7	4.7	6.2	7.0	52	161	162	76
5	16	5.5	4.7	4.7	4.7	4.7	6.2	7.0	60	162	162	59
6	17	5.0	4.7	4.7	4.7	4.9	6.2	6.9	78	162	162	51
7	16	4.7	4.7	4.7	4.7	5.1	6.3	6.7	85	162	162	50
8	16	4.7	4.7	4.6	4.7	5.4	6.7	6.7	99	162	162	50
9	14	4.7	4.7	4.7	4.7	5.5	6.4	7.0	105	162	162	50
10	13	4.7	4.7	4.7	4.7	5.5	6.4	7.0	105	162	161	51
11	13	4.7	4.7	4.7	4.7	5.5	6.5	7.0	121	162	161	51
12	13	4.7	4.7	4.7	4.7	5.5	6.6	7.0	127	162	161	51
13	12	4.7	4.7	4.7	4.7	5.5	6.8	7.0	127	162	160	50
14	11	4.7	4.7	4.7	4.7	5.5	7.0	7.0	127	162	160	50
15	11	4.7	4.6	4.7	4.7	5.5	7.0	7.0	127	162	138	50
16	11	4.7	4.7	4.7	4.7	5.5	7.0	7.0	127	162	129	50
17	11	4.7	4.7	4.5	4.7	5.5	7.0	7.0	127	162	115	50
18	10	4.7	4.7	4.4	4.7	5.5	7.0	7.0	142	161	109	50
19	9.5	4.7	4.7	4.7	4.7	5.5	7.0	7.0	152	162	109	50
20	9.7	4.7	4.7	4.7	4.7	5.7	7.0	7.0	152	162	108	50
21	8.9	4.7	4.7	4.5	4.7	5.8	7.0	7.0	152	163	108	50
22	8.6	4.7	4.7	4.6	4.7	5.7	7.0	7.2	159	163	108	50
23	8.6	4.7	4.7	4.7	4.7	5.8	7.0	14	185	163	108	50
24	8.6	4.7	4.7	4.6	4.7	5.8	7.0	17	189	162	108	43
25	9.0	4.7	4.7	4.7	4.7	5.8	7.0	17	170	163	108	40
26	9.5	4.7	4.7	4.7	4.7	6.0	7.0	17	162	163	108	37
27	7.4	4.7	4.7	4.7	4.7	5.9	7.0	17	161	162	108	36
28	6.2	4.7	4.7	4.7	4.7	5.9	7.0	17	161	162	107	33
29	6.2	4.7	4.7	4.7	---	6.1	7.0	17	160	163	107	32
30	6.2	4.7	4.7	4.7	---	6.0	7.0	17	160	160	107	32
31	6.2	---	4.7	4.7	---	6.1	---	17	---	159	107	---
TOTAL	356.6	146.7	145.6	144.3	131.6	170.0	202.4	303.5	3664	5012	4146	1586
MEAN	11.5	4.89	4.70	4.65	4.70	5.48	6.75	9.79	122	162	134	52.9
MAX	18	6.2	4.7	4.7	4.7	6.1	7.0	17	189	163	162	107
MIN	6.2	4.7	4.6	4.4	4.7	4.7	6.1	6.7	28	159	107	32
AC-FT	707	291	289	286	261	337	401	602	7270	9940	8220	3150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2001, BY WATER YEAR (WY)

MEAN	25.9	14.2	15.3	17.5	26.6	46.3	71.7	85.8	102	110	110	68.8
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1938 - 2001	
ANNUAL TOTAL	15386.7		16008.7			
ANNUAL MEAN	42.0		43.9		58.0	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	167	Jul 18	189	Jun 24	768	May 5 1952
LOWEST DAILY MEAN	4.6	Dec 15	4.4	Jan 4	.20	Dec 19 1964
ANNUAL SEVEN-DAY MINIMUM	4.7	Dec 9	4.6	Jan 16	1.1	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	30520		31750		42000	
10 PERCENT EXCEEDS	103		161		154	
50 PERCENT EXCEEDS	30		7.0		29	
90 PERCENT EXCEEDS	4.7		4.7		4.7	

10136500 WEBER RIVER AT GATEWAY, UT

LOCATION.--Lat 41°08'13", long 111°49'54", in NE¼SW¼SW¼ sec. 27, T. 5 N., R. 1 E., Morgan County, Hydrologic Unit 16020102, on left bank 400 ft downstream from tailrace of Gateway powerplant, 500 ft upstream from Union Pacific Railroad bridge, 1,200 ft downstream from Strawberry Creek, and 3,200 ft east of section house at Gateway.

DRAINAGE AREA.--1,627 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 except for estimated days, which are fair. Many diversions for irrigation above and below station. Water diverted above station by Gateway Canal since July 1957, part of which returns to river above station through tailrace of Gateway 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, 18 ft^3/s, Nov 13, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft^3/s, Apr 29, gage height, 13.52 ft; minimum discharge, 18 ft^3/s, Nov 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191	93	75	73	75	58	346	1020	265	265	309	261
2	200	94	73	61	56	58	473	903	284	274	290	247
3	263	85	71	103	46	60	503	692	306	260	298	257
4	259	83	70	123	46	63	403	552	319	247	353	254
5	229	83	71	145	48	67	424	454	331	292	275	276
6	216	80	58	126	53	86	399	435	309	278	239	279
7	228	78	60	133	59	110	399	383	281	270	245	291
8	204	81	65	150	52	128	441	404	257	292	248	249
9	196	84	63	40	55	138	412	442	269	313	289	233
10	207	79	63	40	51	202	403	430	319	308	285	231
11	192	76	60	40	50	193	359	393	306	274	277	184
12	149	75	59	42	48	172	346	370	341	284	275	208
13	128	60	67	43	49	178	335	370	453	278	290	236
14	128	39	76	42	48	196	326	371	356	251	289	212
15	135	72	80	42	45	175	309	351	334	247	259	205
16	133	75	70	41	45	174	306	425	306	240	264	175
17	125	95	56	52	47	146	339	432	259	234	263	172
18	119	79	55	126	57	144	403	375	281	246	271	188
19	106	76	57	72	72	184	573	330	307	273	288	195
20	98	73	48	41	85	314	736	297	289	277	282	187
21	118	59	51	42	80	442	695	257	277	263	329	172
22	118	58	56	40	79	500	619	272	274	256	303	171
23	106	60	57	41	94	512	529	271	280	229	250	171
24	105	63	60	42	98	528	478	243	267	271	243	191
25	97	64	59	44	88	540	481	289	276	289	234	200
26	86	56	e60	43	75	535	615	293	265	271	236	203
27	83	57	e60	43	64	455	760	360	263	271	265	196
28	79	59	e61	58	64	443	910	342	244	274	283	170
29	80	60	84	58	---	452	1090	304	256	253	273	187
30	96	74	55	53	---	389	1030	286	262	263	273	208
31	99	---	67	62	---	360	---	268	---	301	280	---
TOTAL	4573	2170	1967	2061	1729	8002	15442	12614	8836	8344	8558	6409
MEAN	148	72.3	63.5	66.5	61.8	258	515	407	295	269	276	214
MAX	263	95	84	150	98	540	1090	1020	453	313	353	291
MIN	79	39	48	40	45	58	306	243	244	229	234	170
AC-FT	9070	4300	3900	4090	3430	15870	30630	25020	17530	16550	16970	12710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2001, BY WATER YEAR (WY)

MEAN	244	209	222	238	293	511	990	1527	1133	541	454	359
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1921 - 2001	
ANNUAL TOTAL	93494		80705			
ANNUAL MEAN	255		221		561	
HIGHEST ANNUAL MEAN					1397	1986
LOWEST ANNUAL MEAN					143	1961
HIGHEST DAILY MEAN	544	Apr 14	1090	Apr 29	7390	May 5 1952
LOWEST DAILY MEAN	39	Nov 14	39	Nov 14	32	Jan 4 1993
ANNUAL SEVEN-DAY MINIMUM	54	Dec 17	41	Jan 9	35	Jan 31 1962
ANNUAL RUNOFF (AC-FT)	185400		160100		406300	
10 PERCENT EXCEEDS	390		417		1320	
50 PERCENT EXCEEDS	277		208		356	
90 PERCENT EXCEEDS	71		55		100	

e Estimated

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°16'07", long 111°40'24", in SE¼NE¼SW¼ sec. 12, T. 6 N., R. 2 E., Weber County, Hydrologic Unit 16020102, on right bank 0.5 mi downstream from Magpie Creek, 0.5 mi upstream from Huntsville Mountain Canal, 5.0 mi downstream from Causey Dam, and 5.0 mi east of Huntsville.

DRAINAGE AREA.--137 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, 337 ft^3/s, Apr 28, gage height, 2.92 ft; minimum discharge, 34 ft^3/s, Aug 21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	43	40	e42	42	47	99	275	80	80	75	44
2	42	43	40	e42	41	48	112	268	75	80	70	42
3	42	42	40	e42	41	48	111	250	75	83	72	42
4	41	42	40	e42	42	49	101	243	74	87	72	43
5	41	42	40	e42	42	50	101	235	72	87	70	43
6	42	42	40	e42	42	52	100	231	72	87	69	44
7	42	42	40	e42	41	56	103	224	70	88	70	43
8	42	41	40	e42	51	62	106	222	66	86	71	43
9	42	42	40	e42	52	66	106	256	65	83	69	44
10	43	42	42	41	50	76	111	290	63	75	69	43
11	45	41	41	41	44	75	107	283	59	73	68	45
12	44	42	41	41	42	70	106	268	61	74	68	45
13	45	41	41	41	42	70	101	249	64	74	67	46
14	46	42	41	41	42	72	100	234	65	73	64	45
15	44	42	42	41	42	67	98	220	63	72	65	44
16	43	42	41	41	43	66	102	229	60	71	65	44
17	43	42	41	42	43	65	119	211	58	71	64	43
18	43	45	41	42	43	68	159	189	57	71	61	42
19	42	42	50	42	44	79	191	173	62	71	58	42
20	43	41	42	42	45	98	191	153	70	70	58	43
21	44	41	42	42	44	119	162	146	79	70	70	43
22	44	40	42	42	45	131	147	133	78	69	59	46
23	43	40	42	41	47	133	141	112	76	71	58	46
24	42	40	42	41	46	132	146	115	76	75	58	45
25	42	40	42	41	46	132	177	106	77	75	57	46
26	43	40	52	e42	46	132	205	105	78	76	48	46
27	43	40	46	e42	46	120	245	99	83	76	48	46
28	43	40	e44	e42	46	113	308	91	82	76	47	45
29	43	40	e43	e42	---	108	303	92	81	76	46	45
30	43	40	e42	e46	---	102	272	86	80	76	46	46
31	43	---	e42	e52	---	100	---	85	---	76	47	---
TOTAL	1330	1242	1302	1306	1240	2606	4430	5873	2121	2372	1929	1324
MEAN	42.9	41.4	42.0	42.1	44.3	84.1	148	189	70.7	76.5	62.2	44.1
MAX	46	45	52	52	52	133	308	290	83	88	75	46
MIN	41	40	40	41	41	47	98	85	57	69	46	42
AC-FT	2640	2460	2580	2590	2460	5170	8790	11650	4210	4700	3830	2630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2001, BY WATER YEAR (WY)

MEAN	42.9	40.5	43.1	43.6	52.0	96.1	276	433	167	72.5	59.7	49.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1922 - 2001	
ANNUAL TOTAL	27875		27075			
ANNUAL MEAN	76.2		74.2		115	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	249	May 5	308	Apr 28	1640	May 5 1936
LOWEST DAILY MEAN	40	Sep 16	40	Nov 22	13	Feb 26 1977
ANNUAL SEVEN-DAY MINIMUM	40	Nov 22	40	Nov 22	13	Feb 28 1977
ANNUAL RUNOFF (AC-FT)	55290		53700		83270	
10 PERCENT EXCEEDS	139		132		273	
50 PERCENT EXCEEDS	68		48		52	
90 PERCENT EXCEEDS	41		41		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, 241 ft^3/s, Sep 29, gage height, 3.36 ft; minimum daily discharge, 6.7 ft^3/s, Nov 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	7.0	8.4	7.5	10	11	33	46	64	63	47	77
2	7.4	8.0	7.8	7.6	11	11	46	44	80	61	49	74
3	7.5	9.7	7.9	8.8	10	12	33	39	72	61	45	90
4	7.6	12	8.7	8.9	9.6	11	24	34	65	61	28	82
5	7.7	9.1	8.9	8.7	10	11	26	31	54	49	29	66
6	7.8	6.9	9.0	8.6	9.7	12	26	30	53	41	39	54
7	7.6	7.0	8.9	8.9	9.4	12	27	35	47	28	40	32
8	7.6	6.7	10	8.4	9.0	9.6	27	65	43	24	79	19
9	9.1	9.1	8.7	8.1	8.8	8.1	23	86	60	26	87	17
10	10	9.6	8.9	7.8	8.8	10	23	89	66	19	86	19
11	10	9.5	8.8	7.8	9.5	11	22	80	66	19	84	19
12	9.1	9.9	9.1	7.8	9.6	9.6	22	76	58	21	85	18
13	10	9.7	8.7	7.5	9.9	9.9	21	71	19	22	80	16
14	11	9.6	8.7	7.6	10	11	21	82	14	22	82	11
15	9.5	9.7	8.8	7.8	10	10	22	117	15	e22	79	14
16	9.1	9.6	8.5	7.8	10	11	28	122	24	e22	81	13
17	8.6	9.5	8.9	7.9	10	9.2	36	67	35	22	75	12
18	8.6	9.1	8.9	8.0	10	8.9	44	55	39	26	76	7.8
19	8.6	8.4	8.9	7.4	11	11	47	102	38	24	75	7.8
20	8.6	8.0	8.7	7.0	11	21	45	152	37	22	74	12
21	9.2	8.1	8.3	7.1	10	34	39	164	36	26	61	14
22	8.3	8.0	8.2	7.3	11	37	36	170	40	27	39	14
23	8.1	8.2	7.8	8.9	11	37	34	171	61	36	34	14
24	8.6	8.3	8.0	9.8	11	38	34	173	64	40	43	14
25	8.5	8.4	8.0	9.9	11	40	36	175	82	43	48	14
26	8.2	8.3	7.6	10	11	42	38	165	89	44	48	14
27	8.0	8.3	7.4	10	11	33	41	182	77	43	67	13
28	7.8	8.7	7.6	10	11	33	46	171	65	46	79	13
29	7.4	8.8	7.7	10	---	36	50	156	62	45	77	97
30	7.7	8.9	7.8	10	---	34	46	68	61	43	74	204
31	7.4	---	7.6	10	---	32	---	32	---	45	78	---
TOTAL	271.6	262.1	261.2	262.9	284.3	616.3	996	3050	1586	1093	1968	1071.6
MEAN	8.76	8.74	8.43	8.48	10.2	19.9	33.2	98.4	52.9	35.3	63.5	35.7
MAX	17	12	10	10	11	42	50	182	89	63	87	204
MIN	7.4	6.7	7.4	7.0	8.8	8.1	21	30	14	19	28	7.8
AC-FT	539	520	518	521	564	1220	1980	6050	3150	2170	3900	2130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	13.2	9.90	22.2	15.3	36.4	132	199	330	202	126	129	51.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	16231.2		11723.0			
ANNUAL MEAN	44.3		32.1		106	
HIGHEST ANNUAL MEAN					234	1997
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	438	Jun 28	204	Sep 30	1370	May 6 1999
LOWEST DAILY MEAN	6.7	Nov 8	6.7	Nov 8	4.0	Jan 10 1992
ANNUAL SEVEN-DAY MINIMUM	7.6	Oct 2	7.5	Jan 16	4.2	Jan 10 1992
ANNUAL RUNOFF (AC-FT)	32190		23250		76850	
10 PERCENT EXCEEDS	116		77		279	
50 PERCENT EXCEEDS	14		14		21	
90 PERCENT EXCEEDS	7.8		7.8		7.8	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT

LOCATION.--Lat 41°16'42", long 112°05'28", in NW¼NW¼NE¼ sec. 8, T. 6 N., R. 2 W., Weber County, Hydrologic Unit 16020102, on upstream side of right highway bridge abutment, on State Highway 40, 1 mi downstream from Fourmile Creek, 1.5 mi south of Plain City, and 6 mi upstream from mouth.

DRAINAGE AREA.--2,081 mi^2.

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

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

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft above sea level. Prior to 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, 414 ft^3/s, Apr 29, gage height, 13.49 ft; minimum daily discharge, 28 ft^3/s, Jun 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	139	177	75	73	72	61	134	29	57	53	75
2	111	137	175	76	75	69	61	99	38	61	56	71
3	126	135	174	66	67	71	142	85	44	82	61	78
4	174	130	174	65	64	65	65	78	64	82	70	81
5	149	132	173	66	65	63	67	46	74	76	105	84
6	121	135	169	69	53	63	88	115	74	61	73	84
7	127	137	158	69	69	62	97	77	54	69	72	92
8	143	182	166	62	60	65	171	44	39	75	61	99
9	149	224	173	63	51	64	117	61	28	120	53	86
10	172	197	193	71	e45	67	90	92	43	202	49	81
11	301	179	179	71	e50	68	80	68	62	106	57	79
12	243	177	150	93	e55	67	84	34	66	109	54	74
13	215	181	151	77	e56	65	90	39	181	118	55	78
14	274	160	156	71	58	68	81	60	164	83	69	106
15	209	155	147	69	54	63	77	45	110	88	74	102
16	196	152	129	62	55	67	87	90	102	87	67	96
17	182	155	110	58	54	68	161	129	63	65	60	83
18	171	158	100	58	54	63	139	88	54	50	60	79
19	160	144	90	64	102	65	126	54	81	37	59	74
20	144	145	93	61	104	65	173	56	91	37	65	76
21	156	139	91	60	98	106	249	73	71	36	76	70
22	172	138	88	58	83	124	104	57	58	34	123	62
23	153	137	72	61	127	130	78	71	50	35	89	53
24	143	134	74	59	158	130	75	51	59	39	62	49
25	140	137	78	64	126	131	72	40	62	41	55	49
26	126	140	102	67	106	151	71	43	79	46	52	49
27	172	145	65	62	86	105	128	62	84	49	53	52
28	144	167	60	60	75	78	126	115	72	50	47	53
29	134	167	69	66	---	75	262	96	56	52	63	73
30	149	173	72	71	---	66	221	54	52	52	62	78
31	150	---	75	67	---	61	---	49	---	48	69	---
TOTAL	5099	4631	3883	2061	2123	2477	3443	2205	2104	2147	2024	2266
MEAN	164	154	125	66.5	75.8	79.9	115	71.1	70.1	69.3	65.3	75.5
MAX	301	224	193	93	158	151	262	134	181	202	123	106
MIN	93	130	60	58	45	61	61	34	28	34	47	49
AC-FT	10110	9190	7700	4090	4210	4910	6830	4370	4170	4260	4010	4490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2001, BY WATER YEAR (WY)

MEAN	255	274	320	344	425	697	1084	1391	810	129	88.8	165
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1949 - 2001	
ANNUAL TOTAL	82841		34463			
ANNUAL MEAN	226		94.4		498	
HIGHEST ANNUAL MEAN					1427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	860	Mar 30	301	Oct 11	9970	May 6 1952
LOWEST DAILY MEAN	54	Jun 27	28	Jun 9	1.0	Sep 1 1961
ANNUAL SEVEN-DAY MINIMUM	64	Jul 20	37	Jul 19	1.0	Sep 1 1961
ANNUAL RUNOFF (AC-FT)	164300		68360		360800	
10 PERCENT EXCEEDS	537		167		1340	
50 PERCENT EXCEEDS	149		75		194	
90 PERCENT EXCEEDS	76		52		51	

e Estimated

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in SW¼SW¼SE¼ 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.

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, 16 ft^3/s, Apr 29, gage height, 1.68 ft; minimum daily discharge, 0.80 ft^3/s, Aug 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.5	1.3	1.3	1.2	1.3	3.4	14	4.6	1.9	1.0	.87
2	1.0	1.5	1.3	1.3	1.2	1.3	3.9	12	4.4	1.9	1.0	.85
3	1.0	1.4	1.3	1.3	1.3	1.4	3.6	11	4.3	1.8	1.1	.83
4	1.0	1.4	1.3	1.3	1.3	1.3	3.4	9.6	4.3	1.7	1.0	.82
5	1.0	1.4	1.3	1.3	1.3	1.3	3.3	8.9	4.0	1.7	.93	.88
6	1.0	1.4	1.3	1.3	1.3	1.2	3.3	8.4	3.8	1.7	.90	1.1
7	.99	1.3	1.3	1.3	1.4	1.6	3.0	8.1	3.7	1.6	.89	1.1
8	1.0	1.4	1.3	1.3	1.3	1.7	2.7	8.2	3.5	1.5	.88	1.1
9	1.0	1.5	1.4	1.3	1.3	1.9	2.5	8.6	3.3	1.6	.86	1.1
10	1.2	1.4	1.4	1.3	1.3	2.2	2.4	9.0	3.2	1.1	.86	1.1
11	1.4	1.4	1.3	1.3	1.3	1.9	2.4	9.2	3.1	1.7	.85	1.0
12	1.3	1.4	1.4	1.3	1.3	1.7	2.4	9.5	3.5	1.8	.86	1.0
13	1.4	1.4	1.4	1.3	1.3	1.7	2.5	9.8	3.5	1.5	.89	1.0
14	1.5	1.4	1.4	1.3	1.3	1.6	2.5	9.9	3.3	1.4	.87	.91
15	1.4	1.4	1.4	1.3	1.3	1.6	2.7	10	3.0	1.4	.84	.90
16	1.3	1.4	1.4	1.3	1.3	1.7	3.4	11	2.8	1.4	.84	.89
17	1.3	1.4	1.3	1.3	1.3	1.6	4.5	11	2.7	1.3	.81	.91
18	1.3	1.4	1.3	1.3	1.4	1.6	6.5	11	2.6	1.3	.80	.92
19	1.3	1.4	1.3	1.3	1.5	1.7	8.2	10	2.6	1.3	.80	.89
20	1.3	1.4	1.3	1.3	1.5	2.2	8.7	9.4	2.4	1.2	.85	.88
21	1.7	1.4	1.3	1.3	1.4	3.0	8.1	8.8	2.4	1.2	1.2	.86
22	1.5	1.4	1.3	1.3	1.4	3.3	7.2	8.0	2.3	1.2	1.0	.86
23	1.4	1.4	1.3	1.2	1.5	3.7	6.5	7.4	2.2	1.2	.96	.85
24	1.4	1.4	1.4	1.2	1.4	4.0	6.6	6.9	2.3	1.2	.94	.84
25	1.4	1.4	1.3	1.1	1.4	4.5	7.3	6.6	2.2	1.1	.93	.82
26	1.4	1.4	1.3	1.3	1.4	4.6	8.7	6.3	2.2	1.1	.90	.85
27	1.5	1.4	1.3	1.2	1.4	4.3	11	6.0	2.2	1.1	.88	.84
28	1.5	1.4	1.3	1.2	1.3	4.1	13	5.7	2.1	1.1	.88	.84
29	1.5	1.4	1.3	1.2	---	3.9	14	5.4	2.0	1.1	.88	.88
30	1.7	1.4	1.3	1.2	---	3.6	14	5.1	1.9	1.1	.90	.91
31	1.6	---	1.3	1.2	---	3.4	---	4.8	---	1.1	.90	---
TOTAL	40.29	42.2	41.1	39.4	37.6	74.9	171.7	269.6	90.4	43.3	28.20	27.60
MEAN	1.30	1.41	1.33	1.27	1.34	2.42	5.72	8.70	3.01	1.40	.91	.92
MAX	1.7	1.5	1.4	1.3	1.5	4.6	14	14	4.6	1.9	1.2	1.1
MIN	.99	1.3	1.3	1.1	1.2	1.2	2.4	4.8	1.9	1.1	.80	.82
AC-FT	80	84	82	78	75	149	341	535	179	86	56	55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2001, BY WATER YEAR (WY)

MEAN	1.38	1.43	1.40	1.39	1.45	1.96	4.91	10.6	6.36	2.37	1.44	1.28
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 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950-80, 1999-2001	
ANNUAL TOTAL	745.06		906.29			
ANNUAL MEAN	2.04		2.48		2.98	
HIGHEST ANNUAL MEAN					4.99	1974
LOWEST ANNUAL MEAN					1.08	1961
HIGHEST DAILY MEAN	6.5	Apr 14	14	Apr 29	35	May 20 1975
LOWEST DAILY MEAN	.81	Aug 14	.80	Aug 18	.50	Mar 16 1955
ANNUAL SEVEN-DAY MINIMUM	.83	Aug 8	.83	Aug 14	.50	Jul 17 1961
ANNUAL RUNOFF (AC-FT)	1480		1800		2160	
10 PERCENT EXCEEDS	4.5		6.5		7.3	
50 PERCENT EXCEEDS	1.5		1.4		1.6	
90 PERCENT EXCEEDS	.99		.90		1.0	

10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UT

LOCATION.--Lat 39°43'02", long 111°43'58", in SE¼SW¼NW¼ 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 good. 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, 41 ft^3/s, May 18, gage height, 5.24 ft; minimum daily discharge, 3.2 ft^3/s, on several days in Jan, Feb.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	3.9	3.6	3.4	3.4	3.5	6.5	24	30	5.9	5.8	4.7
2	5.5	3.9	3.6	3.4	3.2	3.6	6.5	23	30	6.0	5.4	4.3
3	5.1	3.9	3.6	3.4	3.2	3.6	6.3	17	28	6.1	5.5	4.1
4	4.8	3.8	3.8	3.4	3.2	3.6	6.2	12	26	5.9	5.7	3.9
5	4.7	3.8	3.6	3.4	3.2	3.6	6.2	9.1	22	5.7	5.1	3.9
6	4.7	3.8	3.7	3.4	3.2	3.6	6.2	7.4	21	5.9	5.0	3.9
7	4.9	3.8	3.6	3.4	3.2	3.6	6.2	7.3	21	5.8	5.0	4.1
8	5.0	3.8	3.6	3.4	3.2	3.6	6.2	9.0	14	5.4	5.0	4.5
9	5.2	3.8	3.6	3.4	3.2	3.6	6.2	13	6.5	5.6	4.9	4.5
10	6.1	3.9	3.6	3.4	3.2	3.6	6.2	20	6.6	5.4	5.0	4.3
11	6.6	3.9	3.6	3.4	3.2	3.6	6.2	27	6.7	5.9	4.9	4.3
12	6.8	3.9	3.6	3.4	3.2	3.6	6.1	28	6.8	6.2	4.9	4.6
13	6.8	3.9	3.6	3.4	3.3	3.6	6.0	31	7.0	6.2	5.4	4.8
14	6.8	3.9	3.6	3.4	3.4	3.6	6.1	29	7.0	6.4	5.5	4.7
15	6.8	3.9	3.6	3.4	3.4	3.6	6.1	30	7.0	7.0	5.0	4.9
16	5.3	3.9	3.6	3.4	3.4	3.7	6.2	29	6.8	6.5	5.0	5.0
17	3.8	3.9	3.6	3.3	3.4	3.8	6.2	34	6.8	6.6	5.0	5.2
18	3.7	4.6	3.5	3.3	3.4	3.6	6.3	33	6.7	6.8	4.8	5.5
19	3.6	4.5	3.5	3.2	3.5	3.6	7.7	35	6.8	6.8	4.7	5.2
20	3.5	4.1	3.4	3.2	3.6	3.6	8.9	29	6.4	6.8	4.8	4.8
21	3.6	3.9	3.4	3.2	3.4	3.6	7.2	24	6.2	6.8	5.5	4.9
22	3.6	3.9	3.4	3.2	3.4	3.6	6.6	19	6.5	6.8	5.5	4.7
23	3.6	3.9	3.4	3.2	3.5	3.6	6.3	17	6.5	7.2	5.2	4.8
24	3.6	3.9	3.4	3.2	3.5	3.6	6.3	17	6.5	7.4	5.1	4.8
25	3.6	3.7	3.4	3.2	3.6	3.6	6.8	18	6.5	7.5	5.0	4.8
26	3.7	3.6	3.4	3.2	3.6	3.6	9.0	19	6.5	7.5	4.7	4.8
27	3.8	3.6	3.4	3.2	3.5	3.6	13	19	6.3	7.4	4.7	4.9
28	3.8	3.6	3.4	3.2	3.5	3.6	16	17	6.2	7.0	4.7	5.0
29	3.8	3.6	3.4	3.2	---	3.7	22	14	6.2	6.8	4.7	4.9
30	3.9	3.6	3.4	3.2	---	5.4	22	20	6.2	6.1	4.8	5.1
31	3.9	---	3.4	3.8	---	6.5	---	31	---	6.0	4.8	---
TOTAL	146.1	116.2	109.3	103.2	94.0	116.6	243.7	661.8	336.7	199.4	157.1	139.9
MEAN	4.71	3.87	3.53	3.33	3.36	3.76	8.12	21.3	11.2	6.43	5.07	4.66
MAX	6.8	4.6	3.8	3.8	3.6	6.5	22	35	30	7.5	5.8	5.5
MIN	3.5	3.6	3.4	3.2	3.2	3.5	6.0	7.3	6.2	5.4	4.7	3.9
AC-FT	290	230	217	205	186	231	483	1310	668	396	312	277

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	4.68	4.47	3.83	3.53	3.71	10.7	27.3	56.6	41.4	17.1	8.11	7.92
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	3.36	3.46	8.12	20.2	8.42	5.94	5.07	4.66
(WY)	1994	1994	1994	1994	2001	1994	2001	1994	1994	2000	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	2800.4		2424.0			
ANNUAL MEAN	7.65		6.64		15.8	
HIGHEST ANNUAL MEAN					27.9	1998
LOWEST ANNUAL MEAN					6.37	1994
HIGHEST DAILY MEAN	54	May 25	35	May 19	208	May 1 1998
LOWEST DAILY MEAN	3.4	Dec 20	3.2	Jan 19	2.0	Dec 26 1993
ANNUAL SEVEN-DAY MINIMUM	3.4	Dec 20	3.2	Jan 19	2.1	Dec 22 1993
ANNUAL RUNOFF (AC-FT)	5550		4810		11460	
10 PERCENT EXCEEDS	15		13		50	
50 PERCENT EXCEEDS	5.3		4.7		6.1	
90 PERCENT EXCEEDS	3.6		3.4		3.3	

10146000 SALT CREEK AT NEPHI, UT

LOCATION.--Lat 39°42'47", long 111°48'13", in SE¼SW¼NE¼, 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 except for estimated daily discharges, which are fair. 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, 37 ft^3/s, May 18, gage height, 1.98 ft; minimum daily discharge, 4.6 ft^3/s, Jan 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	e7.1	e6.5	5.6	5.2	5.5	7.1	26	32	7.6	7.6	6.0
2	7.3	6.4	e6.3	5.6	5.4	5.4	7.6	27	32	7.5	7.4	5.8
3	6.9	6.3	e6.1	5.4	5.5	5.5	7.6	22	31	7.3	7.3	5.6
4	6.3	6.3	e6.0	5.7	5.4	5.4	7.6	17	30	7.5	7.3	5.2
5	6.2	6.3	e5.9	5.7	5.3	5.4	7.8	14	28	7.6	7.0	5.3
6	6.0	6.3	5.2	5.7	5.5	5.5	7.7	13	26	7.6	6.6	5.2
7	6.0	6.3	5.2	5.6	5.5	5.5	7.9	12	25	7.6	6.4	5.2
8	6.2	e6.8	5.3	5.5	5.3	5.5	8.3	12	22	7.6	6.2	5.6
9	6.3	7.2	5.2	5.5	5.2	5.5	8.6	13	13	7.7	6.0	6.0
10	e7.4	7.2	5.4	5.5	5.4	5.6	8.5	21	11	7.7	6.0	5.9
11	9.5	6.8	5.5	5.4	5.5	5.5	8.4	27	9.7	7.6	6.0	5.6
12	10	7.0	5.5	5.5	5.5	5.5	8.2	27	9.3	8.0	6.0	5.5
13	10	7.0	5.5	5.5	5.5	5.5	7.6	29	9.4	7.8	6.5	6.0
14	10	6.9	5.5	5.5	5.5	5.3	7.6	27	9.5	8.0	7.0	6.0
15	10	e7.0	5.5	5.5	5.5	5.3	7.4	29	9.5	8.4	7.1	6.2
16	10	e7.1	5.4	5.4	5.5	5.5	7.3	27	9.1	8.2	6.4	4.9
17	e7.7	e7.1	5.3	4.7	5.5	5.5	7.3	31	9.1	7.9	6.3	4.9
18	6.2	e8.0	4.8	4.6	5.5	5.3	7.3	32	9.1	7.8	6.3	5.2
19	5.8	e7.6	5.0	5.0	5.5	5.2	7.8	35	9.1	7.6	6.3	5.5
20	5.7	e7.3	5.6	5.5	5.3	5.2	9.1	32	8.9	7.6	6.3	5.1
21	6.5	e7.0	5.5	5.3	5.6	5.2	9.5	29	8.2	7.6	6.3	4.9
22	5.8	e6.9	5.5	5.2	5.6	5.2	11	25	7.8	7.6	7.0	4.8
23	5.7	e6.9	5.5	5.2	5.7	5.2	9.4	23	7.6	7.7	6.8	4.7
24	e5.7	e6.9	5.5	5.2	5.7	5.2	8.4	22	7.6	8.2	6.6	4.7
25	e5.7	e6.7	5.5	5.4	5.5	5.2	8.3	23	7.6	8.4	6.3	4.8
26	5.7	e6.6	5.4	5.4	5.5	5.2	8.7	23	7.7	8.4	6.4	4.9
27	5.7	e6.6	5.4	5.5	5.5	5.0	11	25	7.7	8.7	6.1	5.0
28	5.9	e6.6	5.7	5.5	5.5	4.9	15	22	7.6	8.7	6.0	5.5
29	5.7	e6.6	5.6	5.3	---	5.0	22	18	7.6	8.3	6.0	5.5
30	7.2	e6.6	5.5	5.3	---	5.2	24	21	7.6	7.9	6.0	5.5
31	e6.9	---	5.6	5.1	---	6.5	---	32	---	7.6	6.0	---
TOTAL	217.3	205.4	171.4	166.8	153.1	166.4	284.0	736	419.7	243.7	201.5	161.0
MEAN	7.01	6.85	5.53	5.38	5.47	5.37	9.47	23.7	14.0	7.86	6.50	5.37
MAX	10	8.0	6.5	5.7	5.7	6.5	24	35	32	8.7	7.6	6.2
MIN	5.7	6.3	4.8	4.6	5.2	4.9	7.1	12	7.6	7.3	6.0	4.7
AC-FT	431	407	340	331	304	330	563	1460	832	483	400	319

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-80, 1993-2001, BY WATER YEAR (WY)

MEAN	10.7	10.2	9.57	9.46	10.4	14.4	43.0	81.2	59.5	27.1	15.2	12.3
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	5.37	6.98	12.5	10.1	6.89	5.91	5.37
(WY)	1978	1978	1994	1994	1995	2001	1961	1977	1994	1994	1993	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951-80, 1993-2001	
ANNUAL TOTAL	3580.8		3126.3			
ANNUAL MEAN	9.78		8.57		25.5	
HIGHEST ANNUAL MEAN					66.1	1952
LOWEST ANNUAL MEAN					8.11	1994
HIGHEST DAILY MEAN	50	May 25	35	May 19	580	May 2 1952
LOWEST DAILY MEAN	4.8	Dec 18	4.6	Jan 18	1.7	Dec 13 1961
ANNUAL SEVEN-DAY MINIMUM	5.3	Dec 13	4.8	Sep 21	3.0	Dec 24 1993
ANNUAL RUNOFF (AC-FT)	7100		6200		18450	
10 PERCENT EXCEEDS	16		16		64	
50 PERCENT EXCEEDS	7.3		6.3		13	
90 PERCENT EXCEEDS	5.8		5.2		6.8	

e Estimated

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE¼SW¼NW¼, 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft^3/s, May 14, 1984, gage height, 6.30 ft; maximum gage height, 6.77 ft, May 31, 1983, site and datum then in use; minimum, 1.4 ft^3/s, Aug 11, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45 ft^3/s, Apr 22, gage height, 5.13 ft; minimum discharge, 2.9 ft^3/s, Sep 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

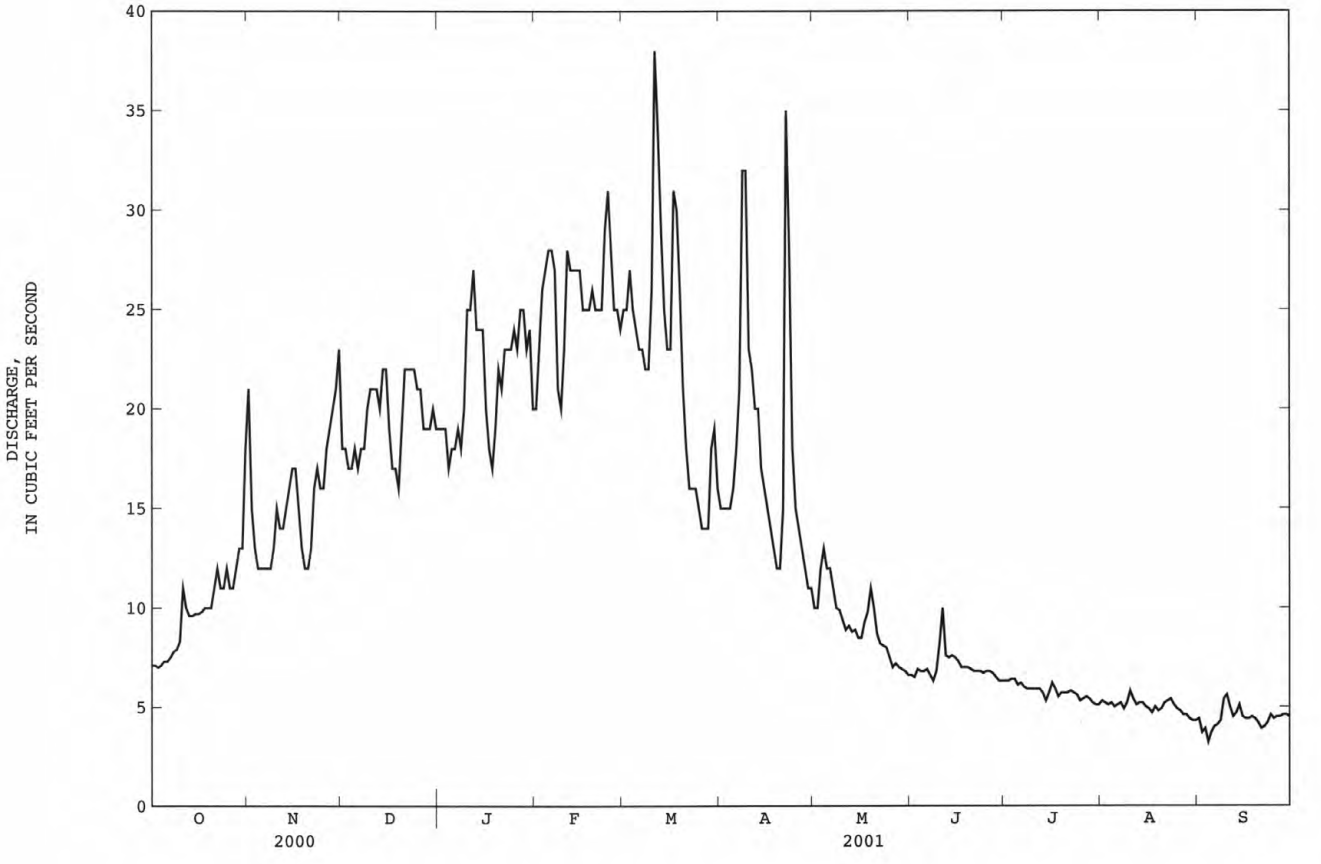
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	21	18	19	20	25	15	10	6.6	6.3	5.3	4.4
2	7.1	15	18	19	23	25	15	10	6.5	6.3	5.2	3.7
3	7.0	13	17	19	26	27	15	12	6.9	6.4	5.1	3.9
4	7.1	12	17	17	27	25	15	13	6.8	6.4	5.2	3.2
5	7.3	12	18	18	28	24	16	12	6.8	6.1	5.0	3.7
6	7.3	12	17	18	28	23	18	12	6.9	6.2	5.1	4.0
7	7.5	12	18	19	27	23	21	11	6.6	6.0	5.2	4.1
8	7.8	12	18	18	21	22	32	10	6.3	5.9	4.9	4.3
9	7.9	13	20	20	20	22	32	9.9	6.8	5.9	5.2	5.4
10	8.3	15	21	25	23	26	23	9.4	8.2	5.9	5.8	5.6
11	11	14	21	25	28	38	22	8.9	10	5.9	5.4	5.0
12	10	14	21	27	27	34	20	9.1	7.6	5.9	5.1	4.5
13	9.6	15	20	24	27	29	20	8.8	7.5	5.7	5.2	4.7
14	9.6	16	22	24	27	25	17	8.9	7.6	5.3	5.2	5.1
15	9.7	17	22	24	27	23	16	8.5	7.5	5.7	5.0	4.5
16	9.7	17	19	20	25	23	15	8.5	7.3	6.2	4.9	4.4
17	9.8	15	17	18	25	31	14	9.3	7.0	5.9	4.7	4.4
18	10	13	17	17	25	30	13	9.8	7.0	5.5	5.0	4.5
19	10	12	16	19	26	26	12	11	7.0	5.7	4.8	4.4
20	10	12	19	22	25	21	12	10	6.9	5.7	4.9	4.2
21	11	13	22	21	25	18	15	8.7	6.8	5.7	5.2	3.9
22	12	16	22	23	25	16	35	8.2	6.8	5.8	5.3	4.0
23	11	17	22	23	29	16	28	8.1	6.8	5.7	5.4	4.2
24	11	16	22	23	31	16	18	8.0	6.7	5.6	5.1	4.6
25	12	16	21	24	28	15	15	7.5	6.8	5.3	4.9	4.4
26	11	18	21	23	25	14	14	7.0	6.8	5.4	4.8	4.5
27	11	19	19	25	25	14	13	7.2	6.7	5.5	4.6	4.5
28	12	20	19	25	24	14	12	7.0	6.5	5.4	4.6	4.6
29	13	21	19	23	---	18	11	6.9	6.3	5.2	4.4	4.6
30	13	23	20	24	---	19	11	6.8	6.3	5.1	4.3	4.5
31	18	---	19	20	---	16	---	6.6	---	5.1	4.3	---
TOTAL	308.8	461	602	666	717	698	535	284.1	210.3	178.7	155.1	131.8
MEAN	9.96	15.4	19.4	21.5	25.6	22.5	17.8	9.16	7.01	5.76	5.00	4.39
MAX	18	23	22	27	31	38	35	13	10	6.4	5.8	5.6
MIN	7.0	12	16	17	20	14	11	6.6	6.3	5.1	4.3	3.2
AC-FT	613	914	1190	1320	1420	1380	1060	564	417	354	308	261

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

MEAN	20.1	26.1	27.8	32.0	41.7	50.2	49.1	51.7	32.6	13.2	11.6	13.4
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

10146400 CURRANT CREEK NEAR MONA, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1979 - 2001	
ANNUAL TOTAL	7420.5		4947.8			
ANNUAL MEAN	20.3		13.6		30.7	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					7.87	1992
HIGHEST DAILY MEAN	99	Feb 13	38	Mar 11	566	May 14 1984
LOWEST DAILY MEAN	2.6	Sep 19	3.2	Sep 4	1.5	Nov 4 1992
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 14	3.8	Sep 2	1.8	Nov 4 1992
ANNUAL RUNOFF (AC-FT)	14720		9810		22260	
10 PERCENT EXCEEDS	44		25		66	
50 PERCENT EXCEEDS	14		12		16	
90 PERCENT EXCEEDS	6.0		4.9		6.7	



10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT

LOCATION.--Lat 40°07'05", long 111°18'50", in NE¼NE¼SE¼ 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, 120 ft^3/s, Sep 13, 2001, gage height, 5.27 ft; minimum, 3.0 ft^3/s, Mar 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 120 ft^3/s, Sep 13, gage height, 5.27 ft; minimum daily discharge, 3.2 ft^3/s, Dec 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.7	e5.2	e3.9	e4.1	4.0	5.1	7.8	40	47	38	35
2	5.3	5.5	e5.2	e3.9	e4.2	5.6	5.5	e7.8	40	47	38	35
3	5.0	e5.4	e5.2	e4.0	e4.3	4.0	5.2	7.8	40	48	39	36
4	5.0	e5.2	e5.3	e4.0	e4.4	5.8	5.0	7.7	40	46	37	35
5	4.9	e5.0	e5.4	e3.9	e4.3	4.0	5.2	7.5	41	46	37	35
6	5.0	e5.2	e5.5	e4.1	e4.2	4.4	5.5	7.4	41	45	36	34
7	4.9	e5.0	e5.6	e4.2	e4.1	4.8	5.7	15	42	44	36	34
8	4.9	e4.7	e5.7	e4.1	e4.0	4.9	5.6	e36	42	44	36	33
9	5.0	e4.8	e5.4	e4.2	e4.0	4.9	5.8	e36	41	43	36	34
10	6.1	e4.9	e5.1	e4.3	e4.0	5.2	5.4	e36	41	42	36	33
11	5.9	e4.8	e4.6	e4.5	e4.1	4.8	5.7	36	42	42	36	33
12	5.6	e4.7	e4.3	e4.4	e4.2	4.8	5.5	e36	42	41	35	33
13	5.4	e4.9	e4.3	e4.6	e4.2	4.6	6.8	36	42	41	35	38
14	5.3	e4.8	e4.3	e4.7	e4.0	4.3	5.1	e36	42	42	35	37
15	5.3	e4.7	e4.5	e4.6	e3.9	5.5	5.0	e37	43	41	35	36
16	5.2	e4.9	e4.6	e4.3	e4.0	4.3	5.4	37	43	40	35	37
17	5.2	e4.8	e4.3	e4.2	e4.2	4.0	5.5	37	43	40	35	37
18	5.2	e4.7	e3.7	e4.1	4.3	3.9	6.5	37	44	39	35	38
19	5.2	e4.8	e3.2	e4.1	4.6	4.2	5.9	37	45	39	34	36
20	5.1	e5.0	e3.3	e4.2	4.3	4.7	6.4	37	45	39	35	34
21	5.8	e5.1	e3.4	e4.5	4.3	5.3	6.8	37	45	39	35	37
22	5.4	e5.2	e3.5	e4.6	5.0	5.7	6.5	37	46	39	35	37
23	5.4	e5.3	e3.6	e4.6	4.6	5.7	6.3	e39	47	38	37	36
24	5.2	e5.4	e3.6	e4.5	4.2	5.4	6.4	e40	48	38	36	36
25	5.2	e5.6	e3.7	e4.7	3.9	5.4	6.6	e40	47	38	35	36
26	5.1	e6.0	e4.1	e4.5	5.9	5.2	7.0	41	48	38	35	36
27	5.2	e6.0	e3.9	e4.6	3.9	4.8	e7.2	41	47	38	34	35
28	5.4	e5.8	e3.7	e4.6	4.2	4.7	e7.4	41	47	37	34	35
29	5.2	e5.6	e3.8	e4.5	---	5.0	e7.7	41	47	37	34	35
30	5.7	e5.4	e3.9	e4.4	---	4.5	e7.8	41	47	37	34	35
31	6.3	---	e3.9	e4.2	---	4.6	---	40	---	37	35	---
TOTAL	170.4	154.9	135.8	134.0	119.4	149.0	181.5	973.0	1308	1272	1103	1061
MEAN	5.50	5.16	4.38	4.32	4.26	4.81	6.05	31.4	43.6	41.0	35.6	35.4
MAX	11	6.0	5.7	4.7	5.9	5.8	7.8	41	48	48	39	38
MIN	4.9	4.7	3.2	3.9	3.9	3.9	5.0	7.4	40	37	34	33
AC-FT	338	307	269	266	237	296	360	1930	2590	2520	2190	2100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	7.15	13.6	12.2	11.1	11.2	12.7	22.4	41.5	43.3	39.5	36.4	35.7
MAX	8.81	30.1	27.2	23.9	24.4	27.2	38.7	54.0	47.7	41.9	40.6	39.5
(WY)	2000	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999	1999
MIN	5.50	5.16	4.38	4.32	4.26	4.81	6.05	31.4	38.6	35.7	32.8	32.2
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	7089.6		6762.0			
ANNUAL MEAN	19.4		18.5		19.1	
HIGHEST ANNUAL MEAN					19.7	2000
LOWEST ANNUAL MEAN					18.5	2001
HIGHEST DAILY MEAN	42	Apr 23	48	Jun 24	75	Nov 24 1998
LOWEST DAILY MEAN	3.2	Dec 19	3.2	Dec 19	3.2	Dec 19 2000
ANNUAL SEVEN-DAY MINIMUM	3.5	Dec 18	3.5	Dec 18	3.5	Dec 18 2000
ANNUAL RUNOFF (AC-FT)	14060		13410		13860	
10 PERCENT EXCEEDS	39		41		43	
50 PERCENT EXCEEDS	8.4		5.7		29	
90 PERCENT EXCEEDS	4.7		4.1		4.7	

e Estimated

10149500 DIAMOND FORK BELOW RED HOLLOW, NEAR THISTLE, UT

LOCATION.--Lat 40°04'43", long 111°24'32", in SE¼NW¼NW¼ 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 September 2001 (discontinued). 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, 552 ft^3/s, Jun 21, gage height, 2.69 ft; minimum daily discharge, 7.8 ft^3/s, Dec 5.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	e15	e10	e12	e10	e13	15	94	395	399	473	238
2	e14	e13	e8.4	e11	e11	e13	15	86	413	367	450	242
3	e12	e13	e8.2	e11	e12	e13	16	84	421	323	440	244
4	e10	e13	e8.0	e11	e13	e14	15	76	437	318	454	252
5	e10	e13	e7.8	e11	e13	e14	16	83	428	305	424	234
6	e10	e13	e8.0	e11	e14	e14	18	101	421	313	405	224
7	e10	e12	e8.8	e12	e15	e14	19	124	447	318	375	234
8	e10	e12	e9.6	e12	e16	e14	20	130	435	313	368	235
9	e12	e13	e10	e12	e15	e15	17	141	432	296	353	226
10	e12	e14	e11	e13	e13	e15	18	106	421	236	339	225
11	e12	e13	e12	e13	e11	e16	17	165	418	208	342	224
12	e12	e12	e11	e14	e12	e14	18	207	461	193	332	222
13	e12	e11	e12	e14	e13	e13	17	239	450	211	344	236
14	e12	e12	e11	e13	e13	e12	17	244	390	241	290	211
15	e12	e13	e12	e13	e13	e12	15	203	398	247	290	198
16	e12	e13	e11	e12	e12	e12	15	199	383	259	344	195
17	e12	e12	e10	e11	e12	e12	16	192	394	261	342	193
18	e12	e11	e9.6	e10	e12	e13	18	164	413	275	345	201
19	e13	e10	e9.4	e11	e13	e13	20	105	455	267	323	183
20	e14	e10	e11	e12	e14	e14	24	85	515	277	331	169
21	e13	e11	e12	e12	e15	16	26	82	543	285	323	182
22	e13	e12	e13	e11	e16	18	25	105	540	298	295	181
23	e13	e12	e12	e12	e18	18	23	174	533	299	268	196
24	e13	e11	e12	e12	e19	17	22	184	495	332	233	199
25	e13	e11	e12	e12	e17	17	22	199	485	361	221	211
26	e13	e11	e11	e13	e16	18	25	211	468	377	204	231
27	e13	e12	e11	e12	e15	17	28	251	426	431	215	239
28	e13	e13	e11	e13	e14	16	31	251	427	458	239	212
29	e13	e13	e12	e13	---	17	36	264	449	433	235	173
30	e14	e12	e12	e12	---	15	44	351	411	435	217	86
31	e17	---	e12	e11	---	15	---	343	---	463	240	---
TOTAL	429	366	328.8	372	387	454	628	5243	13304	9799	10054	6296
MEAN	13.8	12.2	10.6	12.0	13.8	14.6	20.9	169	443	316	324	210
MAX	58	15	13	14	19	18	44	351	543	463	473	252
MIN	10	10	7.8	10	10	12	15	76	383	193	204	86
AC-FT	851	726	652	738	768	901	1250	10400	26390	19440	19940	12490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2001, BY WATER YEAR (WY)

MEAN	23.9	34.4	49.5	53.3	54.3	63.1	105	201	305	354	324	177
MAX	49.5	97.7	122	122	122	123	226	304	443	414	389	303
(WY)	1989	1990	1993	1993	1993	1992	1992	1997	2001	1991	1993	1992
MIN	13.5	12.2	10.6	12.0	13.8	14.6	20.9	54.4	203	276	250	117
(WY)	1992	2001	2001	2001	2001	2001	2001	1991	1993	1995	1994	1991

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1989 - 2001	
ANNUAL TOTAL	45659.8		47660.8			
ANNUAL MEAN	125		131		146	
HIGHEST ANNUAL MEAN					194	1992
LOWEST ANNUAL MEAN					124	1995
HIGHEST DAILY MEAN	483	Jun 16	543	Jun 21	543	Jun 21 2001
LOWEST DAILY MEAN	7.8	Dec 5	7.8	Dec 5	7.8	Dec 5 2000
ANNUAL SEVEN-DAY MINIMUM	8.4	Dec 2	8.4	Dec 2	8.4	Dec 2 2000
ANNUAL RUNOFF (AC-FT)	90570		94540		105800	
10 PERCENT EXCEEDS	371		401		370	
50 PERCENT EXCEEDS	25		17		100	
90 PERCENT EXCEEDS	12		11		15	

e Estimated

10150500 SPANISH FORK AT CASTILLA, UT

LOCATION.--Lat 40°02'59", long 111°32'50", in SE¼NE¼NW¼ sec. 12, T. 9 S., R. 3 E., Utah County, Hydrologic Unit 16020202, on right bank 600 ft upstream from outlet of Cold Springs, 0.9 mi upstream from diversion dam of Bureau of Reclamation, 1.5 mi northwest of Castilla, and 2.8 mi downstream from Diamond Fork.

DRAINAGE AREA.--652 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, 1,070 ft^3/s, Jun 12, gage height, 5.89 ft; minimum discharge, 36 ft^3/s, Dec 19, Jan 17, 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	e85	64	63	62	72	71	222	445	438	526	261
2	66	73	64	61	64	71	74	233	483	401	506	262
3	56	68	63	e60	68	74	77	230	478	362	498	265
4	54	66	63	e61	68	71	75	208	510	344	507	270
5	53	70	63	e63	70	72	76	204	518	335	477	264
6	53	67	61	e62	71	73	80	216	485	323	476	254
7	52	65	61	e64	79	75	85	235	522	332	492	260
8	50	63	64	e61	75	76	93	265	522	334	478	262
9	49	72	67	e65	59	76	85	313	552	342	466	258
10	53	71	69	67	64	79	86	276	435	291	420	258
11	60	65	66	67	71	84	82	371	406	268	395	257
12	62	65	71	69	67	77	82	424	541	236	377	255
13	61	61	69	68	68	73	79	437	472	232	388	266
14	61	64	67	68	67	74	80	446	422	253	347	252
15	61	68	69	68	66	69	76	401	399	261	340	247
16	61	65	63	64	64	74	77	387	374	260	372	247
17	61	59	59	53	65	73	77	396	381	264	388	247
18	61	58	63	60	68	71	82	336	391	292	407	245
19	60	56	52	63	70	70	90	272	415	302	392	234
20	61	59	67	70	76	71	96	226	463	308	369	223
21	66	61	e67	61	84	73	102	193	519	313	352	228
22	68	65	67	68	87	76	104	200	527	323	321	228
23	65	64	65	66	94	76	94	245	530	322	299	236
24	64	62	68	65	84	77	91	257	511	342	275	239
25	63	62	69	70	77	74	97	270	523	370	261	240
26	64	65	60	65	74	75	103	282	521	401	251	253
27	64	66	61	68	73	75	113	304	498	452	250	245
28	68	69	64	67	72	75	123	308	494	478	257	240
29	68	68	62	64	---	78	136	316	495	463	256	227
30	70	70	65	68	---	75	144	378	454	457	247	e181
31	79	---	63	56	---	73	---	384	---	500	255	---
TOTAL	1924	1972	1996	1995	2007	2302	2730	9235	14286	10599	11645	7404
MEAN	62.1	65.7	64.4	64.4	71.7	74.3	91.0	298	476	342	376	247
MAX	90	85	71	70	94	84	144	446	552	500	526	270
MIN	49	56	52	53	59	69	71	193	374	232	247	181
AC-FT	3820	3910	3960	3960	3980	4570	5410	18320	28340	21020	23100	14690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920-25, 1934-2001, BY WATER YEAR (WY)

MEAN	109	87.2	80.3	81.5	94.1	134	268	548	466	403	334	205
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1920-25, 1934-2001	
ANNUAL TOTAL	70051		68095			
ANNUAL MEAN	191		187		236	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	572	Jun 8	552	Jun 9	3700	May 15 1984
LOWEST DAILY MEAN	49	Oct 9	49	Oct 9	20	Dec 9 1951
ANNUAL SEVEN-DAY MINIMUM	52	Oct 4	52	Oct 4	27	Oct 25 1934
ANNUAL RUNOFF (AC-FT)	138900		135100		170800	
10 PERCENT EXCEEDS	420		445		511	
50 PERCENT EXCEEDS	104		79		148	
90 PERCENT EXCEEDS	63		61		60	

e Estimated

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in NE¼NW¼SE¼ sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft^3/s, 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, 2,310 ft^3/s, May 16, gage height, 5.90 ft; minimum daily discharge, 28 ft^3/s, Sep 7, 23-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	89	57	67	60	56	97	e735	427	54	65	33
2	48	65	68	57	59	51	111	e860	389	56	64	33
3	45	55	60	59	57	56	109	e800	356	54	70	33
4	48	62	59	62	58	50	106	e650	326	54	63	32
5	52	69	61	65	62	55	104	e540	293	58	61	31
6	49	64	62	67	55	54	109	e490	268	62	57	31
7	55	51	59	68	55	57	106	e480	240	80	53	28
8	58	59	59	59	50	58	103	576	225	90	53	30
9	61	71	62	61	45	60	94	808	214	118	52	30
10	50	66	65	62	59	60	102	1030	201	107	53	31
11	73	52	59	62	62	60	95	1130	192	98	51	32
12	66	58	69	66	56	56	97	1190	194	88	51	30
13	58	59	67	69	56	58	89	1220	201	82	51	30
14	66	65	68	63	57	57	93	1300	182	79	51	32
15	56	67	67	64	60	54	94	1380	164	81	50	30
16	62	66	65	60	52	60	117	1970	149	76	47	29
17	57	60	70	61	52	57	144	1810	138	72	47	35
18	62	64	73	56	54	59	193	1470	123	69	47	34
19	59	60	71	58	55	61	238	1260	92	66	47	33
20	64	62	78	62	57	70	248	1200	80	65	48	34
21	69	63	68	61	54	78	209	1060	77	62	54	29
22	64	67	67	65	55	85	189	942	71	60	57	29
23	73	65	67	69	62	97	171	936	74	61	53	29
24	61	61	70	74	63	100	164	945	70	71	47	28
25	67	61	66	59	54	105	193	898	67	68	44	28
26	68	64	61	57	51	110	268	855	64	68	36	28
27	63	61	72	58	56	107	358	786	62	70	32	28
28	74	65	64	57	54	104	454	681	63	74	31	28
29	74	65	61	55	---	101	581	609	56	67	31	28
30	74	62	64	58	---	94	621	540	60	65	32	28
31	84	---	64	52	---	92	---	473	---	68	34	---
TOTAL	1905	1898	2023	1913	1570	2222	5657	29624	5118	2243	1532	914
MEAN	61.5	63.3	65.3	61.7	56.1	71.7	189	956	171	72.4	49.4	30.5
MAX	84	89	78	74	63	110	621	1970	427	118	70	35
MIN	45	51	57	52	45	50	89	473	56	54	31	28
AC-FT	3780	3760	4010	3790	3110	4410	11220	58760	10150	4450	3040	1810

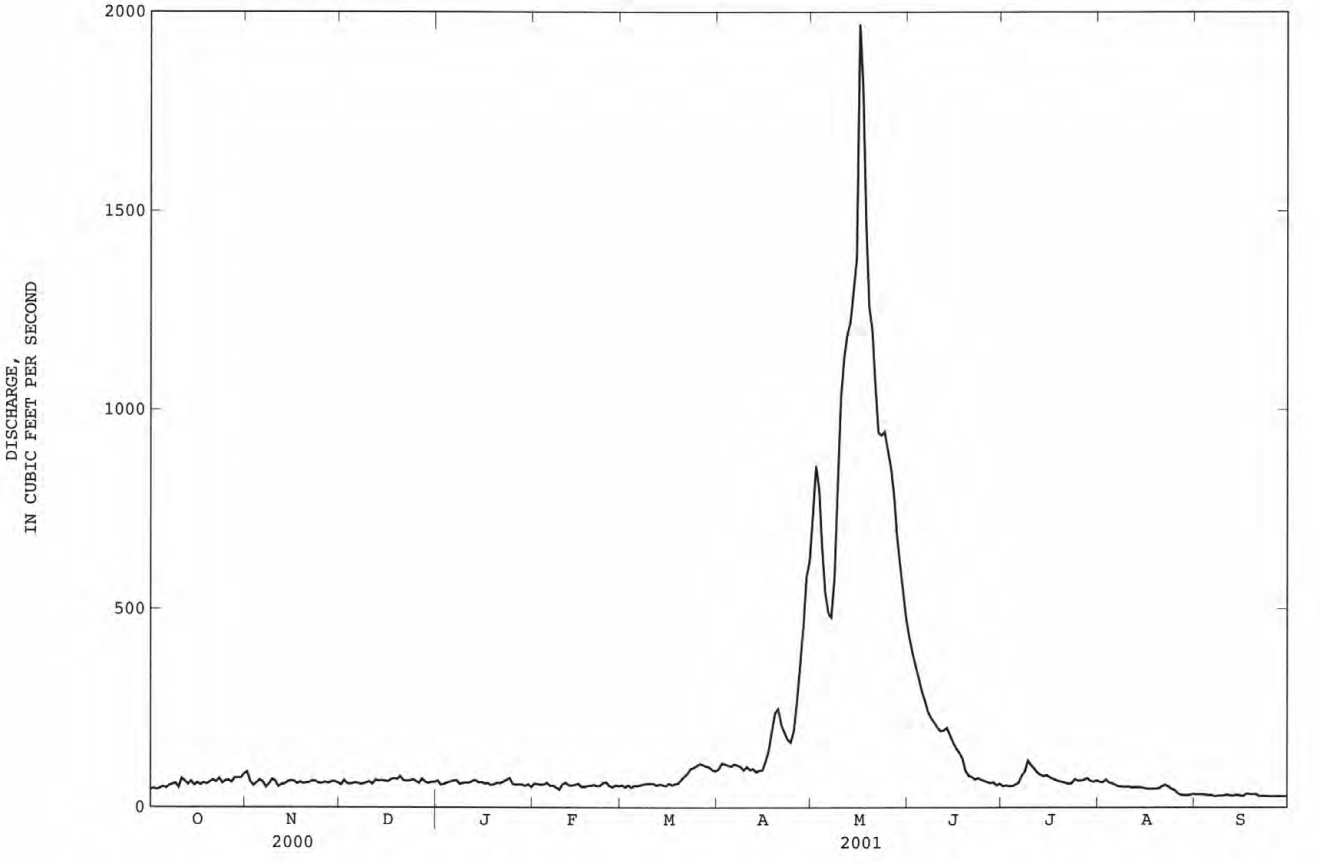
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	74.1	67.2	61.8	60.1	59.3	75.7	196	804	798	251	117	81.7
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

10154200 PROVO RIVER NEAR WOODLAND, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	65381		56619			
ANNUAL MEAN	179		155		221	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	1860	May 26	1970	May 16	2530	May 28 1979
LOWEST DAILY MEAN	36	Sep 18	28	Sep 7	24	Aug 26 1992
ANNUAL SEVEN-DAY MINIMUM	43	Sep 15	28	Sep 24	25	Aug 24 1992
ANNUAL RUNOFF (AC-FT)	129700		112300		160100	
10 PERCENT EXCEEDS	560		370		645	
50 PERCENT EXCEEDS	66		63		80	
90 PERCENT EXCEEDS	54		41		47	

e Estimated



10155000 PROVO RIVER NEAR HAILSTONE, UT

LOCATION.--Lat 40°36'03", long 111°19'51", in SW¼NE¼SW¼ 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, 3,830 ft^3/s, May 16, gage height, 9.16 ft; minimum discharge, 14 ft^3/s, Jul 3-6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	96	125	e90	e85	e90	166	1100	456	17	20	32
2	61	96	e120	e90	e85	e90	193	1030	379	17	19	31
3	60	87	e120	e90	e90	e90	197	886	332	15	31	30
4	61	85	e120	e90	e90	e95	171	737	302	16	43	30
5	60	98	125	e90	e85	e95	173	599	275	15	41	28
6	60	95	121	e90	e85	e95	199	533	244	17	38	28
7	61	80	123	e90	e80	e95	189	518	206	17	36	28
8	62	97	121	e90	e80	e95	186	644	189	35	36	29
9	62	129	119	e90	e80	e100	160	958	177	77	34	29
10	72	114	120	e100	e85	e100	184	1360	164	100	37	27
11	95	108	124	e100	e85	e100	165	1490	155	68	34	27
12	83	150	121	e95	e85	e110	172	1470	160	55	33	28
13	72	140	124	e90	e85	e110	157	1480	185	47	29	30
14	73	162	124	e90	e85	112	175	1710	158	42	33	32
15	71	129	123	e90	e80	99	161	1880	136	41	30	31
16	69	e130	125	e85	e85	111	185	2940	119	37	28	25
17	70	e130	e120	e85	e90	103	216	2770	107	31	28	33
18	70	e125	e110	e85	e90	104	276	2450	98	29	29	29
19	70	e125	e110	e85	e90	109	347	2020	66	25	28	28
20	70	e125	e120	e85	e90	139	406	1910	56	20	25	26
21	75	e125	e120	e90	e90	157	344	1640	50	18	46	26
22	80	133	129	e95	e90	167	318	1380	34	18	50	26
23	76	134	130	e90	e90	174	283	1350	31	17	43	27
24	76	155	131	e95	e90	184	260	1420	22	17	43	25
25	76	153	120	e90	e90	183	290	1260	20	17	41	31
26	76	125	e120	e90	e90	192	406	964	19	22	36	25
27	77	123	e110	e90	e85	184	557	853	20	23	33	21
28	82	124	e110	e90	e90	178	725	897	19	19	30	19
29	83	121	e100	e90	---	176	917	871	17	20	29	22
30	85	127	e100	e90	---	165	971	794	17	18	30	25
31	92	---	e90	e85	---	158	---	642	---	19	e33	---
TOTAL	2242	3621	3675	2795	2425	3960	9149	40556	4213	929	1046	828
MEAN	72.3	121	119	90.2	86.6	128	305	1308	140	30.0	33.7	27.6
MAX	95	162	131	100	90	192	971	2940	456	100	50	33
MIN	60	80	90	85	80	90	157	518	17	15	19	19
AC-FT	4450	7180	7290	5540	4810	7850	18150	80440	8360	1840	2070	1640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2001, BY WATER YEAR (WY)

MEAN	87.5	98.0	92.5	87.3	92.7	118	308	1055	957	258	97.7	80.3
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	85515		75439			
ANNUAL MEAN	234		207		278	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2850	May 26	2940	May 16	3560	May 22 1993
LOWEST DAILY MEAN	23	Jul 23	15	Jul 3	12	Aug 21 1960
ANNUAL SEVEN-DAY MINIMUM	25	Jul 22	16	Jun 29	14	Jul 25 1961
ANNUAL RUNOFF (AC-FT)	169600		149600		201500	
10 PERCENT EXCEEDS	654		426		816	
50 PERCENT EXCEEDS	87		90		105	
90 PERCENT EXCEEDS	34		25		58	

e Estimated

10155300 PROVO RIVER NEAR MIDWAY, UT

LOCATION.--Lat 40°30'25", long 111°26'56", in NE¼NW¼NW¼ 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, 895 ft^3/s, Jun 3, gage height, 4.29 ft; minimum daily discharge, 115 ft^3/s, Apr 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	153	150	144	138	144	127	131	852	133	137	133
2	152	152	148	144	138	144	129	141	871	137	139	138
3	140	150	147	144	138	144	127	140	886	135	145	131
4	143	147	147	144	138	144	127	138	515	137	148	122
5	155	144	148	141	139	145	128	141	170	134	149	126
6	155	141	150	141	140	146	130	139	153	133	148	128
7	152	142	150	141	140	147	135	139	145	136	145	132
8	146	142	148	144	138	147	138	139	139	134	144	141
9	146	146	147	141	154	145	135	133	136	142	147	143
10	158	147	149	144	140	148	132	122	135	144	146	131
11	178	144	148	144	141	146	130	120	135	146	145	130
12	173	144	147	144	138	144	130	117	138	142	146	129
13	159	144	147	144	139	144	126	119	141	139	144	129
14	137	144	148	143	139	142	124	122	141	138	140	130
15	132	146	149	141	136	141	123	123	141	140	142	136
16	132	146	147	141	135	141	119	124	136	140	141	144
17	135	144	147	149	135	141	120	131	131	137	134	151
18	145	145	146	141	136	141	118	130	132	136	136	152
19	151	145	143	141	144	141	141	126	145	137	135	149
20	150	146	144	141	151	140	144	125	149	136	134	146
21	151	146	144	141	153	138	140	130	147	133	151	147
22	150	147	144	141	156	132	141	144	145	131	151	146
23	150	147	144	141	159	140	140	149	142	138	147	145
24	150	147	144	139	154	144	138	145	136	135	152	147
25	149	145	144	139	153	145	125	146	135	132	148	153
26	149	147	144	138	150	142	121	152	136	135	143	153
27	150	147	144	138	148	129	123	146	138	140	140	163
28	150	150	144	138	145	127	120	139	137	146	128	176
29	149	150	144	138	---	130	115	134	139	145	120	181
30	150	150	144	138	---	128	122	127	138	144	124	186
31	153	---	144	146	---	127	---	452	---	141	124	---
TOTAL	4645	4388	4534	4394	4015	4357	3868	4464	6784	4276	4373	4318
MEAN	150	146	146	142	143	141	129	144	226	138	141	144
MAX	178	153	150	149	159	148	144	452	886	146	152	186
MIN	132	141	143	138	135	127	115	117	131	131	120	122
AC-FT	9210	8700	8990	8720	7960	8640	7670	8850	13460	8480	8670	8560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	138	126	129	155	177	154	141	478	590	274	160	164
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	144	226	138	125	126
(WY)	1996	1996	1996	1996	1996	1996	1996	2001	2001	2001	1996	1996

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	65323		54416			
ANNUAL MEAN	178		149		224	
HIGHEST ANNUAL MEAN					290	1997
LOWEST ANNUAL MEAN					149	2001
HIGHEST DAILY MEAN	1270	Jun 1	886	Jun 3	2000	May 28 1999
LOWEST DAILY MEAN	100	Apr 7	115	Apr 29	19	May 2 1996
ANNUAL SEVEN-DAY MINIMUM	104	Apr 4	121	May 10	29	Apr 27 1996
ANNUAL RUNOFF (AC-FT)	129600		107900		162200	
10 PERCENT EXCEEDS	186		151		473	
50 PERCENT EXCEEDS	142		142		144	
90 PERCENT EXCEEDS	116		129		96	

10155400 SPRING CREEK NEAR HEBER, UT

LOCATION.--Lat 40°30'31", long 111°26'19", in SE¼SW¼SE¼ sec. 36, T. 3 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 260 ft upstream from State Highway 113, 5,000 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 daily discharge, 50 ft^3/s, Jun 29; minimum daily discharge, 5.8 ft^3/s, Oct 4, 5.

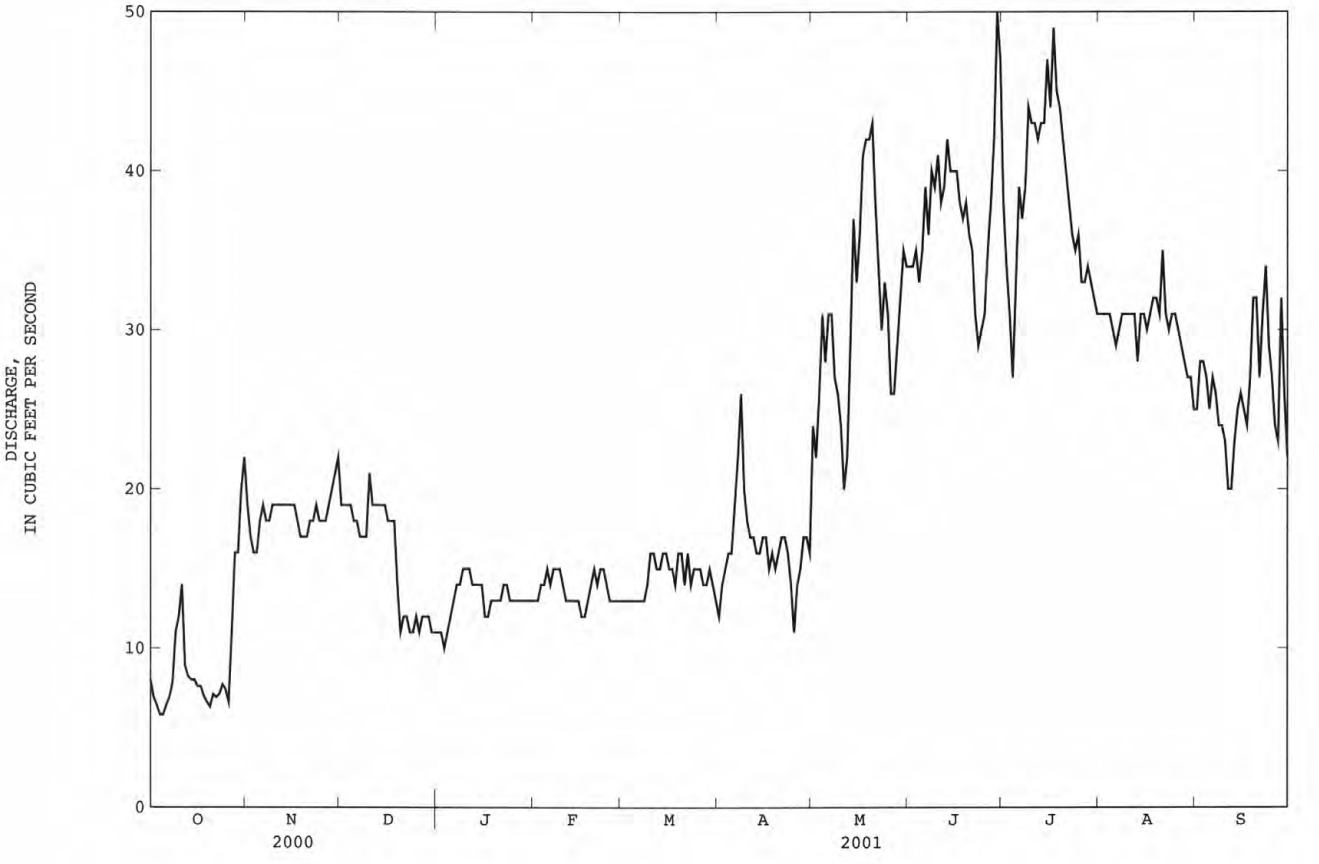
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	19	19	11	e13	e13	12	24	34	38	e31	25
2	6.9	17	19	11	e13	e13	14	22	34	34	e31	28
3	6.4	16	19	e10	e14	e13	15	26	35	31	e31	28
4	5.8	16	19	e11	e14	e13	16	31	33	27	e31	27
5	5.8	18	18	e12	e15	e13	16	28	35	33	e30	25
6	6.4	19	18	e13	e14	e13	19	31	39	39	e29	27
7	6.9	18	17	e14	e15	e13	22	31	36	37	e30	26
8	7.8	18	17	e14	e15	e13	26	27	40	39	e31	24
9	11	19	17	e15	e15	e14	20	26	39	44	e31	24
10	12	19	21	e15	e14	16	18	24	41	43	e31	23
11	14	19	19	e15	e13	16	17	20	38	43	e31	20
12	8.9	19	19	e14	e13	15	17	22	39	42	e31	20
13	8.2	19	19	e14	e13	e15	16	29	42	43	e28	23
14	8.0	19	19	e14	e13	e16	16	37	40	43	e31	25
15	8.0	19	19	e14	e13	e16	17	33	40	47	e31	26
16	7.6	19	18	e12	e12	e15	17	36	40	44	e30	25
17	7.6	18	18	e12	e12	e15	15	41	38	49	31	24
18	7.0	17	18	e13	e13	e14	16	42	37	45	32	27
19	6.6	17	14	e13	e14	e16	15	42	38	e44	32	32
20	6.3	17	11	e13	e15	e16	16	43	36	e42	31	32
21	7.1	18	12	e13	e14	14	17	38	35	e40	35	27
22	6.9	18	12	e14	e15	16	17	34	31	e38	31	31
23	7.1	19	11	e14	e15	14	16	30	29	e36	30	34
24	7.7	18	11	e13	e14	15	14	33	30	e35	31	29
25	7.4	18	12	e13	e13	15	11	31	31	e36	31	27
26	6.6	18	11	e13	e13	15	14	26	35	e33	30	24
27	11	19	12	e13	e13	14	15	26	38	e33	29	23
28	16	20	12	e13	e13	14	17	29	42	e34	28	32
29	16	21	12	e13	---	15	17	32	50	e33	27	26
30	20	22	11	e13	---	14	16	35	47	e32	27	22
31	22	---	11	e13	---	13	---	34	---	e31	25	---
TOTAL	287.0	553	485	405	383	447	494	963	1122	1188	938	786
MEAN	9.26	18.4	15.6	13.1	13.7	14.4	16.5	31.1	37.4	38.3	30.3	26.2
MAX	22	22	21	15	15	16	26	43	50	49	35	34
MIN	5.8	16	11	10	12	13	11	20	29	27	25	20
AC-FT	569	1100	962	803	760	887	980	1910	2230	2360	1860	1560
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)												
MEAN	20.1	19.6	15.9	15.7	19.7	23.0	18.6	42.4	51.0	31.9	22.4	21.9
MAX	33.6	23.4	19.2	17.8	26.4	33.0	23.1	60.5	90.5	47.5	30.3	34.0
(WY)	1999	1999	1996	1999	2000	1997	1995	1995	1995	1998	2001	1998
MIN	9.26	14.3	12.0	13.1	13.7	14.4	14.3	31.1	29.8	8.91	12.4	6.89
(WY)	2001	2000	2000	2001	2001	2001	1999	2001	1994	1994	1994	2000

10155400 SPRING CREEK NEAR HEBER, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	7472.9		8051.0			
ANNUAL MEAN	20.4		22.1		25.2	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					18.6	1994
HIGHEST DAILY MEAN	64	May 24	50	Jun 29	131	May 23 1995
LOWEST DAILY MEAN	2.8	Sep 21	5.8	Oct 4	2.8	Sep 21 2000
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 16	6.6	Oct 2	4.3	Sep 16 2000
ANNUAL RUNOFF (AC-FT)	14820		15970		18250	
10 PERCENT EXCEEDS	33		38		45	
50 PERCENT EXCEEDS	19		19		20	
90 PERCENT EXCEEDS	7.3		12		12	

e Estimated



10155500 PROVO RIVER NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'03", long 111°27'46", in NE¼NE¼SW¼ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 1,000 ft upstream from Snake Creek and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--350 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, 940 ft^3/s, Jun 3, gage height, 4.35 ft; minimum daily discharge, 158 ft^3/s, Apr 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	190	198	178	178	194	166	195	886	176	185	182
2	190	188	196	178	178	194	170	196	887	174	188	186
3	178	187	193	178	178	194	170	203	888	173	194	184
4	182	183	192	179	178	187	169	205	541	169	202	177
5	194	181	191	179	179	181	170	202	224	167	203	175
6	196	184	193	179	178	180	174	200	210	174	197	181
7	192	188	192	179	178	179	181	203	198	177	195	183
8	186	189	190	180	177	178	194	200	183	177	197	185
9	186	191	188	181	180	178	181	191	179	188	204	184
10	195	191	194	182	180	181	177	179	180	188	203	175
11	218	193	194	181	179	178	174	178	177	190	202	171
12	210	194	191	181	178	178	173	174	180	186	201	171
13	196	193	189	181	178	174	172	180	187	184	199	172
14	175	193	192	181	178	170	171	201	190	184	194	177
15	170	194	193	181	178	171	171	207	187	190	199	185
16	168	195	188	179	178	172	169	230	183	191	201	191
17	167	196	188	181	177	174	165	249	180	191	197	202
18	175	195	188	181	179	173	163	229	176	187	197	205
19	178	194	187	181	196	172	170	221	185	188	196	203
20	176	194	186	181	209	170	170	216	192	189	195	197
21	178	194	186	181	213	169	170	210	192	185	217	196
22	178	194	186	181	208	169	171	201	189	179	221	198
23	178	194	186	181	210	172	168	192	182	187	211	197
24	178	194	186	178	203	178	167	187	175	186	215	196
25	177	194	186	177	200	177	159	185	174	186	211	199
26	178	194	186	178	198	175	158	182	176	189	203	198
27	181	195	186	177	195	168	165	180	180	194	200	196
28	186	197	186	176	194	168	167	181	182	199	192	212
29	186	198	184	176	---	169	167	172	194	197	181	219
30	187	201	183	176	---	168	174	171	187	195	186	221
31	189	---	182	179	---	166	---	500	---	194	182	---
TOTAL	5721	5768	5860	5561	5235	5457	5116	6420	8044	5734	6168	5718
MEAN	185	192	189	179	187	176	171	207	268	185	199	191
MAX	218	201	198	182	213	194	194	500	888	199	221	221
MIN	167	181	182	176	177	166	158	171	174	167	181	171
AC-FT	11350	11440	11620	11030	10380	10820	10150	12730	15960	11370	12230	11340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	97.7	124	124	132	143	166	252	620	578	180	93.6	96.2
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	207	41.0	23.5	18.5	16.8
(WY)	1941	1940	1995	1994	1994	1994	1995	2001	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	81296		70802			
ANNUAL MEAN	222		194		217	
HIGHEST ANNUAL MEAN					355	1997
LOWEST ANNUAL MEAN					91.3	1940
HIGHEST DAILY MEAN	1280	Jun 4	888	Jun 3	2210	May 23 1993
LOWEST DAILY MEAN	141	Apr 6	158	Apr 26	14	Sep 11 1992
ANNUAL SEVEN-DAY MINIMUM	144	Apr 4	164	Apr 23	15	Sep 6 1992
ANNUAL RUNOFF (AC-FT)	161300		140400		157400	
10 PERCENT EXCEEDS	237		203		507	
50 PERCENT EXCEEDS	181		186		126	
90 PERCENT EXCEEDS	160		171		37	

10156000 SNAKE CREEK NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'07", long 111°27'59", in NE¼NW¼SW¼ 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 fair. Some diversions above station for irrigation. Gage is affected by backwater.

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, 66 ft^3/s, Nov 1, gage height, 3.15 ft; minimum daily discharge, 29 ft^3/s, Apr 19, 29, May 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

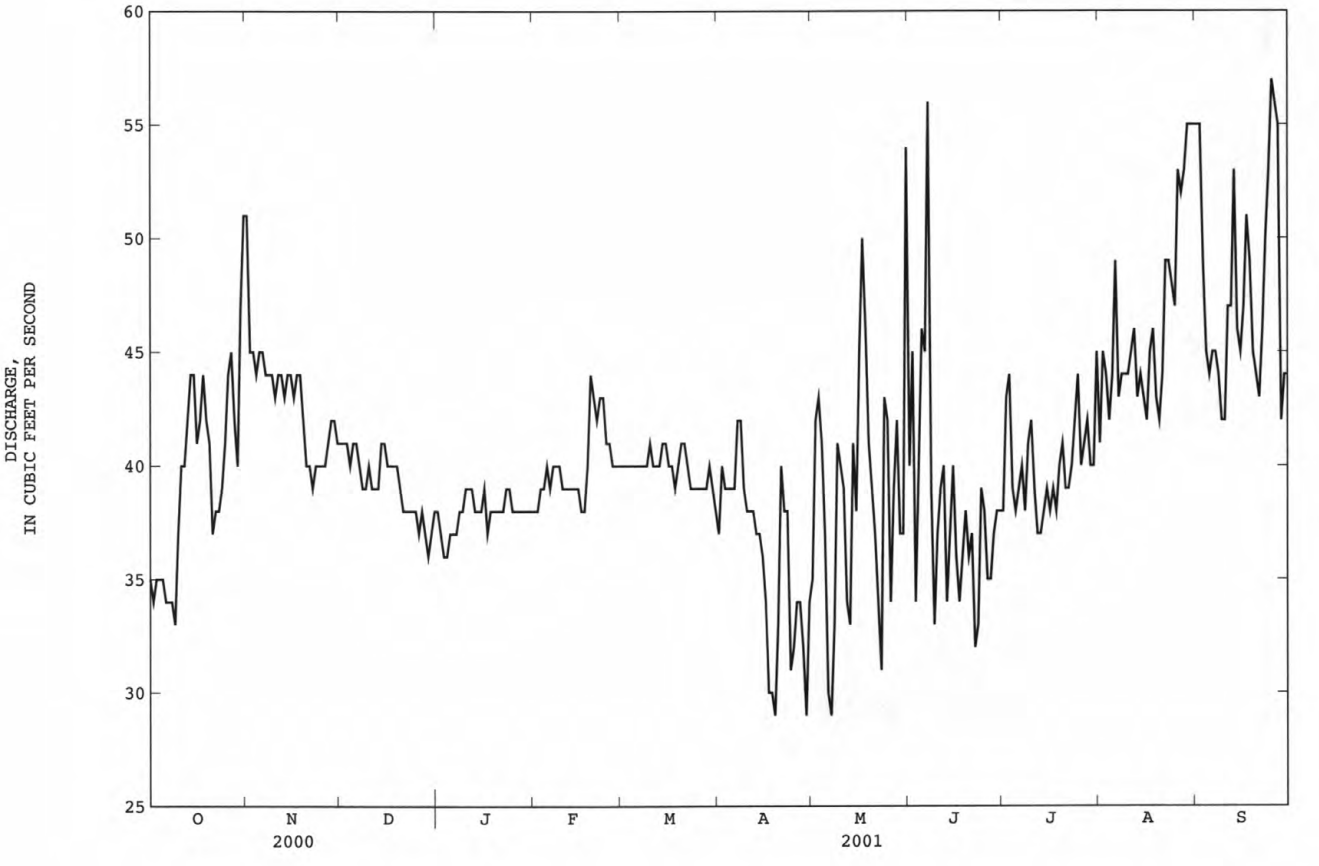
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	51	41	38	38	40	37	35	40	38	41	55
2	34	45	41	37	38	40	40	42	45	43	45	55
3	35	45	41	36	39	40	39	43	34	44	44	49
4	35	44	40	36	39	40	39	41	40	39	42	45
5	35	45	41	37	40	40	39	37	46	38	44	44
6	34	45	41	37	39	40	39	30	45	39	49	45
7	34	44	40	37	40	40	42	29	56	40	43	45
8	34	44	39	38	40	40	42	33	39	38	44	44
9	33	44	39	38	40	40	39	41	33	41	44	42
10	37	43	40	39	39	41	38	40	37	42	44	42
11	40	44	39	39	39	40	38	39	39	39	45	47
12	40	44	39	39	39	40	38	34	40	37	46	47
13	42	43	39	38	39	40	37	33	34	37	43	53
14	44	44	41	38	39	41	37	41	37	38	44	46
15	44	44	41	38	39	41	36	38	40	39	43	45
16	41	43	40	39	38	40	34	45	36	38	42	47
17	42	44	40	37	38	40	30	50	34	39	45	51
18	44	44	40	38	40	39	30	46	36	38	46	49
19	42	42	40	38	44	40	29	41	38	40	43	45
20	41	40	39	38	43	41	33	39	36	41	42	44
21	37	40	38	38	42	41	40	37	37	39	44	43
22	38	39	38	38	43	40	38	34	32	39	49	46
23	38	40	38	39	43	39	38	31	33	40	49	50
24	39	40	38	39	41	39	31	43	39	42	48	53
25	41	40	38	38	41	39	32	42	38	44	47	57
26	44	40	37	38	40	39	34	34	35	40	53	56
27	45	41	38	38	40	39	34	39	35	41	52	55
28	42	42	37	38	40	39	32	42	37	42	53	42
29	40	42	36	38	---	40	29	37	38	40	55	44
30	47	41	37	38	---	39	34	37	38	40	55	44
31	51	---	38	38	---	38	---	54	---	45	55	---
TOTAL	1228	1287	1214	1175	1120	1235	1078	1207	1147	1240	1439	1430
MEAN	39.6	42.9	39.2	37.9	40.0	39.8	35.9	38.9	38.2	40.0	46.4	47.7
MAX	51	51	41	39	44	41	42	54	56	45	55	57
MIN	33	39	36	36	38	38	29	29	32	37	41	42
AC-FT	2440	2550	2410	2330	2220	2450	2140	2390	2280	2460	2850	2840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	47.5	48.5	44.4	42.7	42.3	45.4	45.8	54.0	58.4	44.5	40.9	42.2
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	35.9	36.3	35.5	26.3	28.5	29.6
(WY)	1940	1940	1940	1941	1941	1940	2001	2000	1994	1994	1940	1939

10156000 SNAKE CREEK NEAR CHARLESTON, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	14635		14800			
ANNUAL MEAN	40.0		40.5		46.3	
HIGHEST ANNUAL MEAN					55.2	1999
LOWEST ANNUAL MEAN					36.2	1940
HIGHEST DAILY MEAN	59	Jan 19	57	Sep 25	113	Jun 30 1995
LOWEST DAILY MEAN	28	Jul 6	29	Apr 19	24	Jul 21 1994
ANNUAL SEVEN-DAY MINIMUM	29	Aug 11	32	Apr 24	25	Jul 15 1994
ANNUAL RUNOFF (AC-FT)	29030		29360		33550	
10 PERCENT EXCEEDS	48		46		59	
50 PERCENT EXCEEDS	40		40		45	
90 PERCENT EXCEEDS	33		35		35	



10157500 DANIELS CREEK AT CHARLESTON, UT

LOCATION.--Lat 40°27'39", long 111°28'19", in SE¼NE¼NE¼ 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 poor. 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, 19 ft^3/s, Oct 10, gage height, 2.24 ft; minimum daily discharge, 0.05 ft^3/s, Jun 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	7.4	2.0	1.8	e.74	.79	.62	4.1	.46	e.16	.21	.17
2	7.8	6.5	2.0	1.7	e.76	.86	.62	4.9	.58	e.16	.18	.16
3	7.4	6.5	2.0	1.6	e.76	.87	.61	4.2	.65	.16	.18	.17
4	7.0	6.3	2.1	1.4	e.76	.87	.65	3.1	1.9	.32	.19	.16
5	4.4	7.5	2.1	1.3	e.76	.88	.69	1.2	2.6	.42	.18	.13
6	6.3	6.1	2.1	1.3	e.76	.88	.67	.66	4.2	.42	.28	.15
7	9.9	1.6	2.1	1.3	e.74	.90	.64	.62	3.7	.42	.35	.17
8	8.7	1.5	2.1	1.3	e.72	.77	.65	.40	1.6	.22	.31	.17
9	9.4	1.6	2.1	1.3	e.72	.95	.62	.38	.49	.18	.30	.15
10	13	1.7	2.1	1.3	e.72	1.0	.62	.34	.47	.31	.23	.21
11	16	1.5	2.1	1.2	e.74	1.0	.62	.31	.53	.22	.22	.26
12	11	1.6	2.1	.92	e.74	1.0	.62	.28	.95	.17	.18	1.1
13	12	1.7	2.1	.49	e.74	1.0	.61	.26	.61	.16	.28	1.8
14	11	2.2	2.3	e.70	e.74	.97	.59	.22	.20	.27	.19	2.6
15	11	2.7	2.4	e.70	e.74	.88	.62	.53	.23	.23	.19	2.5
16	10	2.6	2.4	e.70	e.74	.96	.70	1.0	.15	.19	.19	2.1
17	10	2.4	2.4	e.70	e.74	.95	.73	1.9	.16	.13	.16	1.2
18	10	2.2	2.4	e.70	e.76	.98	.75	1.2	.44	.20	.16	1.1
19	10	2.3	2.9	e.70	e.76	1.0	.83	1.6	.31	.25	.15	1.1
20	10	2.2	2.1	e.70	e.76	1.0	.87	.35	.18	.23	.12	.67
21	11	2.2	2.4	e.70	e.76	1.1	.85	.28	.20	.09	.13	.36
22	11	2.3	2.4	e.70	e.76	.70	.99	.24	.16	.15	.14	.79
23	10	2.3	2.3	e.72	e.76	.58	1.0	.26	.25	.25	.23	.93
24	10	2.2	1.9	e.74	.87	.56	1.0	.17	e.05	.20	.28	1.5
25	9.8	1.9	1.9	e.74	.87	.56	1.0	.22	e.07	.10	.30	1.4
26	9.4	1.8	2.4	e.74	.87	.59	1.0	.25	.13	.19	.28	.80
27	7.5	1.8	2.0	e.74	.87	.62	1.0	.26	.13	.13	.28	.61
28	4.8	1.8	1.6	e.74	.85	.62	1.0	.20	e.17	.11	.17	.25
29	5.3	1.8	1.5	e.72	---	.62	1.0	.21	e.17	.26	.16	.42
30	7.1	2.0	1.6	e.74	---	.62	2.5	.28	e.16	.36	.15	.44
31	7.1	---	1.8	e.74	---	.65	---	.28	---	.28	.17	---
TOTAL	290.9	88.2	65.7	29.83	21.51	25.73	24.67	30.20	21.90	6.94	6.54	23.57
MEAN	9.38	2.94	2.12	.96	.77	.83	.82	.97	.73	.22	.21	.79
MAX	16	7.5	2.9	1.8	.87	1.1	2.5	4.9	4.2	.42	.35	2.6
MIN	4.4	1.5	1.5	.49	.72	.56	.59	.17	.05	.09	.12	.13
AC-FT	577	175	130	59	43	51	49	60	43	14	13	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	6.62	4.27	3.25	2.83	2.92	2.68	13.3	53.2	33.3	7.06	8.37	7.34
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)	2001	2000	2000	1994	1994	1997	1997	1997	1995	1995	1999	1999
MIN	2.95	2.09	1.09	.96	.77	.76	.82	.97	.73	.22	.21	.79
(WY)	1995	1995	1999	2001	2001	1999	2001	2001	2001	2001	2001	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1994 - 2001	
ANNUAL TOTAL	1855.28		635.69			
ANNUAL MEAN	5.07		1.74		12.1	
HIGHEST ANNUAL MEAN					21.2	1995
LOWEST ANNUAL MEAN					1.74	2001
HIGHEST DAILY MEAN	21	May 26	16	Oct 11	244	Jun 6 1995
LOWEST DAILY MEAN	.07	Apr 18	.05	Jun 24	.00	Jul 23 1994
ANNUAL SEVEN-DAY MINIMUM	.13	Apr 13	.13	Jun 24	.01	Jul 19 1994
ANNUAL RUNOFF (AC-FT)	3680		1260		8800	
10 PERCENT EXCEEDS	11		4.8		32	
50 PERCENT EXCEEDS	3.4		.74		4.2	
90 PERCENT EXCEEDS	1.5		.17		.74	

e Estimated

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT

LOCATION.--Lat 40°24'12", long 111°31'44", in NE¼NE¼NE¼ sec. 7, T. 5 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 200 ft upstream from Deer Creek, 1,000 ft downstream from Deer Creek Dam, and 4.1 mi northeast of Vivian Park.

DRAINAGE AREA.--547 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, 570 ft^3/s, May 8; minimum daily discharge, 89 ft^3/s, Nov 16-21.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	261	97	96	e104	e96	160	103	359	387	414	393	430
2	264	97	96	e104	e96	160	102	397	389	422	397	428
3	239	96	96	e105	95	148	102	406	397	422	402	429
4	234	94	97	e106	95	149	105	427	379	419	402	442
5	236	93	e97	e105	96	102	105	425	359	417	402	456
6	232	92	e97	e107	98	96	105	443	357	390	404	423
7	233	93	e98	e106	97	96	104	515	361	375	410	385
8	238	91	e98	e106	99	97	105	570	385	352	415	389
9	233	91	e99	e107	155	98	104	560	403	350	438	394
10	229	90	e100	e107	151	100	104	551	396	321	439	392
11	185	92	e99	e108	141	100	102	507	388	301	437	390
12	164	92	e99	e105	131	100	101	471	370	291	436	390
13	151	93	e98	e103	127	101	101	444	300	300	438	389
14	126	92	e99	e100	127	101	100	424	251	319	434	390
15	121	90	e100	e99	127	101	101	399	267	331	420	387
16	118	89	e99	e98	128	101	102	365	286	351	415	388
17	113	89	e100	e96	119	101	104	326	327	374	410	386
18	114	89	e100	e97	115	100	105	313	367	376	409	359
19	115	89	e100	e95	115	103	115	303	366	400	410	342
20	134	89	e101	e94	115	100	121	310	364	420	412	344
21	132	89	e101	e95	127	99	120	336	359	425	399	353
22	129	90	e101	e94	141	99	118	350	354	425	331	353
23	128	92	e100	e95	157	100	118	363	358	421	288	350
24	128	93	e100	e95	132	102	129	382	345	424	305	347
25	123	92	e101	e94	117	102	157	381	327	422	380	340
26	e122	92	e101	e94	126	102	221	387	332	418	406	330
27	118	93	e102	e94	121	102	276	394	339	416	407	327
28	105	94	e103	e95	135	103	290	391	339	413	423	331
29	103	95	e103	e95	---	103	294	378	378	401	435	334
30	101	95	e103	e94	---	103	314	377	401	405	446	328
31	96	---	e104	e95	---	103	---	383	---	401	436	---
TOTAL	5025	2763	3088	3092	3379	3332	4128	12637	10631	11916	12579	11326
MEAN	162	92.1	99.6	99.7	121	107	138	408	354	384	406	378
MAX	264	97	104	108	157	160	314	570	403	425	446	456
MIN	96	89	96	94	95	96	100	303	251	291	288	327
AC-FT	9970	5480	6130	6130	6700	6610	8190	25070	21090	23640	24950	22470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2001, BY WATER YEAR (WY)

MEAN	212	176	214	208	222	247	318	599	809	506	425	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1954 - 2001	
ANNUAL TOTAL	109462		83896			
ANNUAL MEAN	299		230		358	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	1000	May 15	570	May 8	2240	Jun 2 1983
LOWEST DAILY MEAN	89	Nov 16	89	Nov 16	.00	Feb 2 1957
ANNUAL SEVEN-DAY MINIMUM	89	Nov 15	89	Nov 15	.40	Dec 1 1962
ANNUAL RUNOFF (AC-FT)	217100		166400		259000	
10 PERCENT EXCEEDS	477		419		606	
50 PERCENT EXCEEDS	321		134		313	
90 PERCENT EXCEEDS	96		95		90	

e Estimated

10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE¼NW¼SE¼ sec. 3, T. 7 S., R. 2 E., Utah County, Hydrologic Unit 16020203, on left bank 1,300 ft downstream from bridge on State Highway 114, 2.1 mi west of Provo, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--673 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, 383 ft^3/s, May 8, gage height, 4.67 ft; minimum daily discharge, 1.8 ft^3/s, Jul 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e383	132	108	86	91	54	57	163	28	6.9	8.0	40
2	e32	134	108	83	90	48	55	e183	e34	e6.0	6.8	50
3	e37	129	107	81	91	39	52	211	e32	5.8	8.6	e44
4	e38	129	110	79	91	40	58	236	32	7.5	e8.0	23
5	e40	136	105	80	97	44	69	249	34	5.3	6.0	31
6	e41	130	98	78	105	39	63	244	31	e4.7	5.4	26
7	e43	122	100	77	90	39	76	265	29	6.0	3.8	28
8	e45	124	98	78	67	42	84	313	26	4.2	7.2	35
9	e47	134	100	79	70	44	67	300	24	3.9	6.9	41
10	e48	133	115	86	58	51	63	250	26	7.4	9.0	41
11	e50	124	96	81	59	50	58	231	28	4.3	e8.0	32
12	e52	126	76	78	55	55	78	171	33	2.8	e10	39
13	e54	127	75	72	54	70	77	124	e60	5.9	e12	37
14	e58	122	77	84	52	88	75	e90	39	12	14	33
15	e60	122	82	107	51	76	73	64	17	18	15	27
16	e62	118	87	105	54	73	79	57	11	13	8.8	32
17	60	115	82	104	57	78	81	37	e10	5.1	11	36
18	55	116	81	108	55	84	59	42	9.5	9.5	20	27
19	61	116	78	108	56	86	54	41	5.0	6.2	29	26
20	68	87	78	107	55	84	62	38	4.6	7.4	e14	20
21	76	105	78	106	56	86	75	35	4.6	3.6	32	18
22	79	115	79	104	53	85	61	34	e10	2.8	33	24
23	84	120	78	99	67	86	56	31	9.4	e2.2	13	27
24	84	121	82	98	60	88	57	27	8.5	e1.8	8.3	e29
25	64	123	83	100	60	88	70	30	7.4	2.6	21	27
26	65	124	85	92	57	70	90	e32	8.0	2.7	28	18
27	68	124	85	92	53	65	115	33	12	4.2	30	19
28	69	115	86	93	53	63	124	32	9.4	5.1	23	18
29	69	103	87	91	---	63	135	33	e11	e6.0	24	15
30	128	104	88	91	---	58	140	32	6.4	e8.0	19	25
31	142	---	89	89	---	56	---	23	---	9.8	26	---
TOTAL	2262	3630	2781	2816	1857	1992	2263	3651	599.8	190.7	468.8	888
MEAN	73.0	121	89.7	90.8	66.3	64.3	75.4	118	20.0	6.15	15.1	29.6
MAX	383	136	115	108	105	88	140	313	60	18	33	50
MIN	32	87	75	72	51	39	52	23	4.6	1.8	3.8	15
AC-FT	4490	7200	5520	5590	3680	3950	4490	7240	1190	378	930	1760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	144	205	249	243	255	277	303	320	355	49.2	22.7	53.2
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	48114.1		23399.3			
ANNUAL MEAN	131		64.1		206	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	604	May 15	383	Oct 1	2420	May 6 1952
LOWEST DAILY MEAN	6.2	Jul 25	1.8	Jul 24	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	11	Jul 22	2.8	Jul 21	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	95430		46410		149000	
10 PERCENT EXCEEDS	333		122		418	
50 PERCENT EXCEEDS	88		57		139	
90 PERCENT EXCEEDS	18		7.8		6.7	

e Estimated

10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT

LOCATION.--Lat 40°26'52", long 111°40'53", in SE¼NW¼NE¼ 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 PacifiCorp, 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. WDR-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. 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.-74 years, 56.8 ft^3/s, 41,200 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	24	19	19	18	17	27	118	131	59	31	24
2	21	23	20	17	16	15	28	104	131	62	31	23
3	21	22	20	17	16	15	27	88	126	64	30	23
4	21	22	20	17	15	15	26	82	116	62	29	23
5	21	23	20	17	15	15	26	74	101	60	29	23
6	21	23	20	17	16	15	26	74	90	60	28	23
7	21	21	20	17	16	16	27	84	90	60	27	24
8	21	20	20	17	15	16	27	105	94	58	27	23
9	20	23	20	18	16	17	25	122	98	74	26	23
10	24	23	20	18	15	18	25	130	101	86	26	23
11	27	19	20	17	16	17	23	133	96	86	25	23
12	23	20	21	18	16	16	24	153	94	84	25	22
13	24	20	20	17	16	16	22	153	85	82	25	22
14	24	20	20	17	15	16	22	169	75	82	25	22
15	24	22	20	17	15	15	23	194	68	82	25	22
16	24	21	19	16	15	18	25	211	66	80	25	22
17	23	20	20	16	15	16	30	198	66	78	24	22
18	23	19	19	16	15	16	38	189	66	74	24	22
19	23	20	19	16	15	16	47	186	66	72	23	22
20	23	21	20	16	15	18	49	173	64	70	23	21
21	24	21	19	16	15	20	46	161	62	68	27	21
22	23	22	19	16	15	22	41	164	60	67	28	21
23	23	21	19	16	16	23	37	168	57	65	25	21
24	22	21	19	16	15	24	39	174	57	63	24	21
25	22	20	19	17	15	26	39	180	57	60	24	21
26	22	21	18	16	15	27	47	181	56	56	23	21
27	22	20	19	16	15	28	56	165	52	52	23	20
28	22	20	19	16	15	29	69	148	52	47	24	20
29	22	20	19	16	---	27	90	148	57	45	24	20
30	24	21	19	16	---	25	106	142	57	38	24	20
31	24	---	19	15	---	24	---	131	---	32	24	---
TOTAL	700	633	605	516	432	598	1137	4502	2391	2028	798	658
MEAN	22.6	21.1	19.5	16.6	15.4	19.3	37.9	145	79.7	65.4	25.7	21.9
MAX	27	24	21	19	18	29	106	211	131	86	31	24
MIN	20	19	18	15	15	15	22	74	52	32	23	20
AC-FT	1390	1260	1200	1020	857	1190	2260	8930	4740	4020	1580	1310

CAL YR 2000 TOTAL 15899 MEAN 43.4 MAX 184 MIN 15 AC-FT 31540
WTR YR 2001 TOTAL 14998 MEAN 41.1 MAX 211 MIN 15 AC-FT 29750

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'19", long 112°05'59", in NW¼NE¼NE¼ 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 fair 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, 62 ft^3/s, Aug 12, gage height, 3.35 ft; minimum daily discharge, 0.19 ft^3/s, Mar 15, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	.49	e.38	e.25	e.33	.30	.23	7.7	4.5	2.5	1.0	e.64
2	.47	.47	e.37	e.24	e.34	.28	.42	8.0	4.2	2.6	1.0	e.62
3	.47	.45	e.36	e.25	e.34	.32	.38	10	4.2	2.5	1.0	e.62
4	.45	.46	e.36	e.25	e.33	.30	.37	7.0	3.7	2.5	1.0	e.66
5	.46	.46	e.35	e.26	e.32	.31	.40	7.6	3.4	2.8	1.0	e.70
6	.45	.47	e.35	e.26	e.32	.30	.37	7.4	2.8	2.9	.99	e.74
7	.43	e.47	e.35	e.27	e.31	.29	.48	6.5	2.7	3.6	1.0	e.74
8	.43	e.47	e.34	e.27	e.30	.30	.40	6.5	3.0	3.5	1.0	e.72
9	.43	e.46	e.34	e.28	e.31	.30	.39	7.3	3.1	4.2	.97	e.72
10	.49	e.45	e.34	e.28	e.31	.28	.37	6.8	3.0	5.1	.97	e.70
11	.52	e.44	e.33	e.29	e.31	.27	.35	6.9	2.8	2.4	.95	e.69
12	.42	e.42	e.33	e.29	e.31	.24	.37	6.4	3.7	3.5	2.9	e.69
13	.43	e.42	e.32	e.30	e.30	.20	.35	6.5	3.9	2.4	.86	e.69
14	.44	e.41	e.32	e.31	e.30	.20	.36	7.4	3.1	2.3	.85	e.66
15	.43	e.41	e.31	e.32	e.31	.19	.36	8.4	2.8	2.8	.91	e.65
16	.44	e.40	e.31	e.33	e.31	.22	.37	12	2.7	2.1	.77	e.63
17	.44	e.40	e.30	e.34	e.32	.21	.38	13	2.7	1.4	.73	e.60
18	.45	e.40	e.29	e.34	.32	.20	.38	11	2.7	1.2	.66	e.60
19	.45	e.39	e.28	e.35	.35	.20	.41	9.3	2.9	1.1	.64	e.60
20	.44	e.39	e.28	e.36	.33	.19	.43	8.6	2.8	1.1	.69	e.58
21	.47	e.39	e.28	e.36	.33	.21	.51	8.1	2.8	1.1	2.4	e.58
22	.47	e.39	e.27	e.37	.33	.20	.53	7.3	2.9	1.1	3.6	e.58
23	.48	e.40	e.26	e.37	.32	.24	.69	6.9	2.9	1.1	1.3	e.59
24	.51	e.40	e.26	e.37	.30	.22	.89	6.6	2.8	1.0	e.90	e.56
25	.49	e.41	e.26	.38	.30	.20	.90	6.7	2.8	1.0	e.84	e.56
26	.49	e.42	e.26	.37	.28	.21	1.2	6.9	2.8	.99	e.83	e.54
27	.56	e.43	e.25	.38	.30	.22	2.4	6.8	2.6	.98	e.79	e.54
28	.47	e.42	e.25	.37	.30	.23	4.9	6.5	2.6	.95	e.76	e.53
29	.48	e.41	e.25	.35	---	.25	7.6	5.7	2.4	.94	e.74	e.50
30	.59	e.39	e.25	e.34	---	.22	9.0	5.2	2.5	.94	e.70	e.50
31	.55	---	e.25	e.33	---	.23	---	4.7	---	.96	e.76	---
TOTAL	14.60	12.79	9.45	9.83	8.83	7.53	36.19	235.7	91.8	63.56	33.51	18.73
MEAN	.47	.43	.30	.32	.32	.24	1.21	7.60	3.06	2.05	1.08	.62
MAX	.59	.49	.38	.38	.35	.32	9.0	13	4.5	5.1	3.6	.74
MIN	.42	.39	.25	.24	.28	.19	.23	4.7	2.4	.94	.64	.50
AC-FT	29	25	19	19	18	15	72	468	182	126	66	37

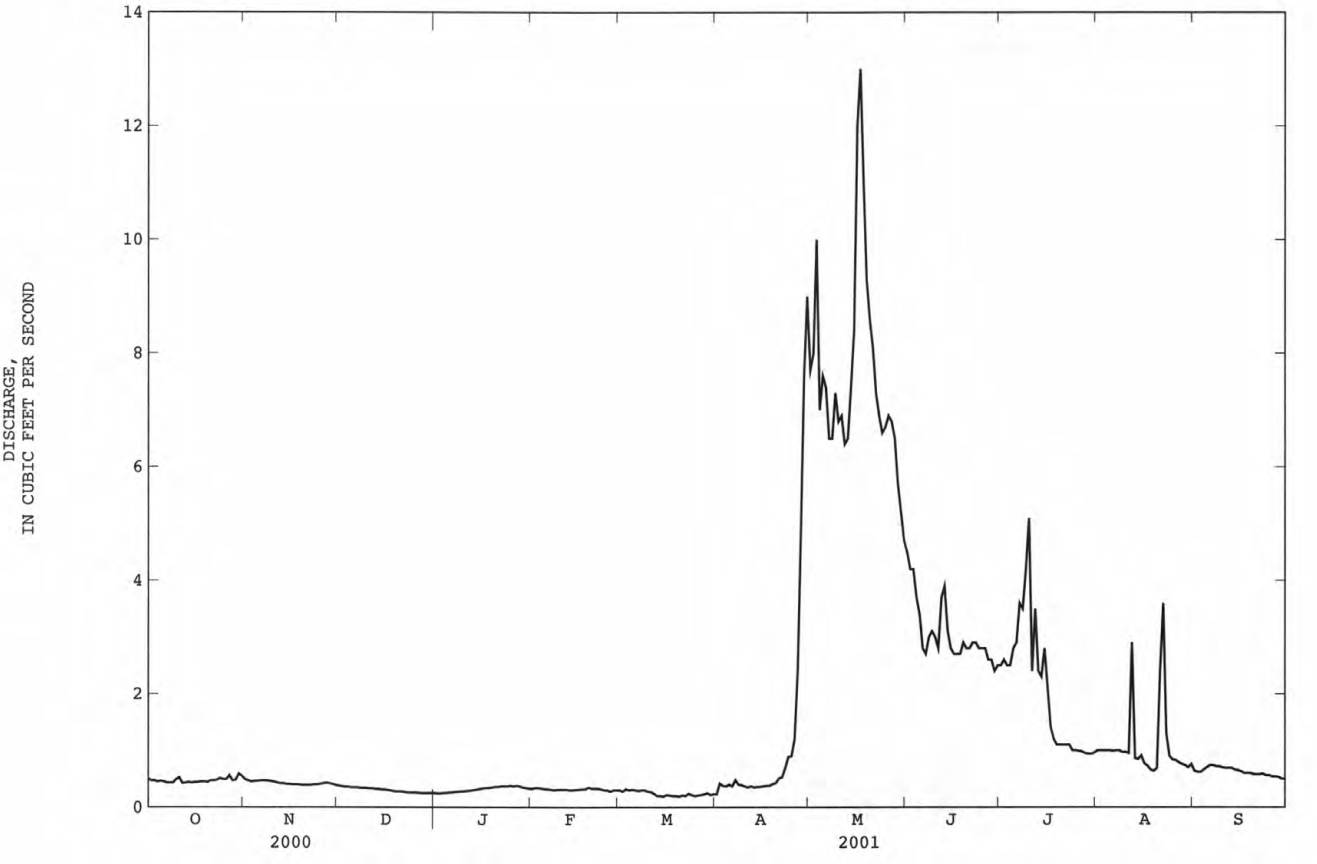
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY)

MEAN	1.38	1.15	.77	.62	.58	1.10	4.44	14.0	11.8	5.22	2.73	1.57
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

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1966 - 2001	
ANNUAL TOTAL	648.05		542.52			
ANNUAL MEAN	1.77		1.49		3.79	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					.89	1992
HIGHEST DAILY MEAN	13	May 25	13	May 17	85	May 20 1973
LOWEST DAILY MEAN	.25	Dec 27	.19	Mar 15	.03	Oct 2 1992
ANNUAL SEVEN-DAY MINIMUM	.25	Dec 25	.20	Mar 14	.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	1290		1080		2750	
10 PERCENT EXCEEDS	5.2		4.3		11	
50 PERCENT EXCEEDS	.76		.47		1.2	
90 PERCENT EXCEEDS	.40		.27		.25	

e Estimated



10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°39'51", long 111°53'53", in SW¼NW¼NE¼ 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.

DRAINAGE AREA.--45 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981, October 1, 1998 to current year.

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, 522 ft^3/s, May 16, 2001, gage height 4.16 ft; minimum daily, 0.46 ft^3/s, Feb 21, 1981, datum and gage then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 522 ft^3/s, May 16, gage height, 4.16 ft; minimum daily discharge, 0.70 ft^3/s, Oct 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	12	1.3	1.4	1.8	3.1	2.4	95	119	3.9	19	6.7
2	9.9	3.8	1.1	1.5	1.7	2.3	13	89	116	2.1	18	8.7
3	6.2	1.6	1.1	1.4	1.4	14	3.8	77	107	3.2	16	8.3
4	5.9	1.6	1.0	1.4	1.5	3.8	4.1	57	83	5.1	15	7.1
5	6.7	4.8	1.0	1.1	1.9	3.3	22	27	59	12	15	5.5
6	7.1	9.8	1.0	1.1	2.0	4.0	12	22	48	3.9	16	4.5
7	6.9	4.7	1.6	1.4	7.0	1.3	6.3	22	45	5.3	19	8.0
8	5.9	1.7	1.7	1.3	3.3	1.1	12	30	52	5.1	18	9.4
9	6.2	10	1.3	1.9	2.2	2.7	4.0	45	66	20	17	18
10	18	9.5	8.3	2.8	1.9	6.6	3.6	98	62	22	17	20
11	62	4.1	6.0	2.1	1.7	31	1.4	100	43	9.4	17	17
12	24	2.9	2.9	7.0	1.4	6.3	27	127	75	16	19	15
13	25	2.3	2.6	4.4	1.5	3.0	8.4	174	69	17	21	13
14	19	2.0	2.2	2.6	1.4	2.6	4.5	159	40	17	19	13
15	13	5.3	11	2.4	1.3	2.8	2.1	228	15	13	17	14
16	10	4.0	3.2	2.1	1.3	30	1.6	416	11	13	15	17
17	4.2	2.6	1.8	1.3	1.3	12	1.9	341	9.2	11	15	23
18	2.5	3.7	1.6	1.3	1.3	5.3	1.8	269	3.8	11	15	17
19	1.4	2.5	1.6	1.5	1.8	3.5	2.2	214	3.6	4.3	18	14
20	.70	1.7	e1.6	2.2	1.4	3.0	20	197	4.2	3.1	26	15
21	6.4	1.7	e1.7	2.0	2.4	2.7	18	165	4.3	3.2	82	13
22	1.7	1.3	e1.7	2.0	1.2	2.8	24	146	4.0	3.3	44	12
23	1.3	1.1	.99	2.1	8.5	2.5	10	152	3.0	3.9	38	11
24	1.1	1.0	1.9	2.1	4.8	2.2	6.5	169	3.9	3.5	33	9.9
25	.71	.96	4.8	5.7	1.8	1.7	3.6	187	3.7	5.3	31	6.4
26	1.0	1.1	1.9	4.0	1.4	3.8	2.5	207	3.7	6.6	31	3.9
27	11	1.1	1.8	2.3	1.7	1.8	9.3	195	2.3	12	23	4.3
28	5.1	1.5	1.8	1.8	2.4	5.0	32	172	3.3	12	15	8.0
29	3.0	1.8	2.5	1.8	---	41	83	157	1.6	14	7.4	9.6
30	17	3.9	1.8	2.4	---	4.9	85	139	2.6	14	5.6	10
31	20	---	1.1	2.3	---	2.6	---	119	---	19	5.5	---
TOTAL	309.31	106.06	75.89	70.7	63.3	212.7	428.0	4595	1063.2	294.2	667.5	342.3
MEAN	9.98	3.54	2.45	2.28	2.26	6.86	14.3	148	35.4	9.49	21.5	11.4
MAX	62	12	11	7.0	8.5	41	85	416	119	22	82	23
MIN	.70	.96	.99	1.1	1.2	1.1	1.4	22	1.6	2.1	5.5	3.9
AC-FT	614	210	151	140	126	422	849	9110	2110	584	1320	679

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	15.2	4.88	3.42	4.50	4.68	6.74	21.5	135	111	23.9	14.1	9.89
MAX	29.8	8.81	4.61	6.98	5.90	9.51	27.6	148	243	55.3	21.5	11.4
(WY)	1999	1999	1999	1999	1999	1999	1999	2001	1999	1999	2001	2001
MIN	5.82	2.29	2.45	2.28	2.26	3.84	14.3	125	35.4	6.88	8.64	8.42
(WY)	2000	2000	2001	2001	2001	2000	2001	2000	2001	2000	2000	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	7859.46		8228.16			
ANNUAL MEAN	21.5		22.5		29.6	
HIGHEST ANNUAL MEAN					45.2	1999
LOWEST ANNUAL MEAN					21.1	2000
HIGHEST DAILY MEAN	334	May 26	416	May 16	416	May 16 2001
LOWEST DAILY MEAN	.70	Oct 20	.70	Oct 20	.70	Oct 20 2000
ANNUAL SEVEN-DAY MINIMUM	1.2	Nov 22	1.2	Nov 22	1.2	Nov 22 2000
ANNUAL RUNOFF (AC-FT)	15590		16320		21450	
10 PERCENT EXCEEDS	50		62		81	
50 PERCENT EXCEEDS	4.8		5.1		6.3	
90 PERCENT EXCEEDS	1.8		1.4		2.0	

e Estimated

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to August 1982, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1998 to current year.
WATER TEMPERATURE: October 1998 to current year.

INSTRUMENTATION.--Temperature/conductivity data logger.

REMARKS.--Temperature records good, specific conductivity records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 15,100 microsiemens, Jan 27, 1999; minimum, 141 microsiemens, May 30, 2000.
WATER TEMPERATURE: Maximum, 26.2°C, Aug 8, 2001; minimum, 0.1°C, Dec 21, 24, 1998.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 14,800 microsiemens, Nov 16; minimum, 174 microsiemens, May 12.
WATER TEMPERATURE: Maximum, 26.2°C, Aug 8; minimum, 0.5°C, Jan 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
24...	1020	1.3	81	7.5	7.9	1260	11.7	400	89.8	42.1	11.7	2	99.3
NOV													
20...	1200	1.9	101	11.4	7.7	2000	3.7	390	94.1	38.0	10.0	5	247
DEC													
19...	1140	1.7	102	11.9	7.8	2490	2.8	430	105	41.3	11.3	7	321
JAN													
16...	1220	1.9	102	12.0	7.9	3210	2.5	400	97.7	36.5	11.1	11	491
FEB													
20...	1350	1.2	139	13.8	8.2	1740	9.3	420	96.2	44.3	10.8	4	195
MAR													
27...	1140	1.6	127	11.7	8.3	1240	12.8	360	85.7	35.7	9.15	2	106
APR													
16...	1320	1.7	124	11.3	8.2	1300	13.2	380	84.2	40.2	9.77	3	114
MAY													
18...	1300	240	109	11.0	8.0	260	8.4	77	19.1	7.09	1.87	.9	18.2
JUN													
27...	1150	3.3	95	7.7	8.0	1460	18.4	390	76.8	48.7	13.7	3	139
JUL													
23...	1300	5.8	95	7.4	8.0	1470	20.0	380	67.2	51.5	16.9	3	154
AUG													
28...	1130	15	106	8.2	8.3	1700	20.3	380	57.1	57.2	19.5	4	195
SEP													
20...	1420	13	112	9.0	8.6	1650	18.6	360	50.4	56.7	16.9	5	197

DATE	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)	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)
OCT													
24...	310	378	--	155	.6	12.8	119	E.025	.30	.43	.704	.014	.030
NOV													
20...	288	352	--	380	.6	14.4	99.2	.066	.38	.44	.977	.019	.029
DEC													
19...	309	377	--	539	.6	14.8	121	.087	.64	.43	1.03	.019	.040
JAN													
16...	255	312	--	834	.6	11.1	101	.074	.37	.53	.938	.038	.029
FEB													
20...	293	357	--	320	.6	9.8	129	.078	.31	.58	.729	.029	.032
MAR													
27...	241	294	--	196	.5	6.1	99.8	.068	.32	.50	.541	.024	.028
APR													
16...	258	314	--	189	.6	5.5	118	.061	.33	.47	.458	.015	.034
MAY													
18...	51	62	--	26.9	.3	6.4	26.6	<.040	.12	.22	.225	<.006	.007
JUN													
27...	249	304	--	206	.7	16.8	175	.085	.53	.80	.496	.027	.043
JUL													
23...	227	276	--	224	.7	9.0	185	<.040	.42	1.1	.225	.008	.029
AUG													
28...	205	250	--	287	.8	19.5	251	<.040	.47	.88	E.043	<.006	.021
SEP													
20...	197	232	8	290	.8	21.3	232	<.040	.51	1.4	E.034	E.004	.021

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT										
24...	.023	.079	1.02	2.62	752	721	70	61.8	.41	117
NOV										
20...	.020	.069	1.47	5.67	1080	1060	E20	136	.26	49
DEC										
19...	.019	.090	1.93	6.61	1420	1350	<30	194	.25	53
JAN										
16...	.022	.068	2.45	9.01	1800	1740	40	131	.15	31
FEB										
20...	.022	.102	1.38	3.34	1010	984	50	101	.25	77
MAR										
27...	.020	.075	.99	3.05	728	686	100	61.6	.09	22
APR										
16...	.023	.069	1.02	3.51	752	718	140	75.3	.18	39
MAY										
18...	<.020	.072	.21	97.8	151	138	M	4.9	27	41
JUN										
27...	.024	.105	1.17	7.69	860	828	10	55.7	.12	13
JUL										
23...	<.020	.122	1.21	14.0	892	845	M	46.0	.52	33
AUG										
28...	<.020	.131	1.40	42.7	1030	1010	<10	17.7	2.2	53
SEP										
20...	<.020	.152	1.35	35.0	990	987	<10	13.3	1.3	38

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT													
24...	1020	20	1.63	114	128	<.06	243	.09	<.8	.34	3.1	1.10	58.0
NOV													
20...	1200	2	1.43	104	148	<.06	203	.08	<.8	.56	2.2	.26	52.7
DEC													
19...	1140	2	1.77	111	154	<.06	219	.09	E.4	.78	2.1	.36	64.4
JAN													
16...	1220	2	2.24	83.8	161	<.06	203	.10	.8	.55	2.6	.59	53.0

DATE	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									
24...	13.0	.67	2.0	<1.0	700	.15	1.3	17	17.6
NOV									
20...	13.9	.84	2.0	<1.0	632	<.04	.5	17	18.9
DEC									
19...	13.5	3.19	2.2	<1.0	703	.10	1.8	12	20.5
JAN									
16...	11.3	1.07	2.3	<1.0	673	.13	3.7	15	16.8

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	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)	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)
OCT													
24...	1020	<.002	<.004	<.002	<.005	.008	<.010	<.002	E.012	<.020	<.005	<.018	E.002
NOV													
20...	1200	<.002	<.004	<.002	<.005	E.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
DEC													
19...	1140	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.007	<.020	<.005	<.018	E.002
JAN													
16...	1220	<.002	<.004	<.002	<.005	.012	<.010	<.002	E.022	<.020	<.005	<.018	<.003
FEB													
20...	1350	<.002	<.004	<.002	<.005	.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAR													
27...	1140	<.002	<.004	<.002	<.005	.008	<.010	<.002	<.041	<.020	<.005	<.018	<.003
APR													
16...	1320	<.002	<.004	<.002	<.005	E.007	<.010	<.002	E.029	<.020	<.005	<.018	.013
MAY													
18...	1300	<.002	<.004	<.002	<.005	<.007	<.010	<.002	E.003	<.020	<.005	<.018	<.003
JUN													
27...	1150	<.002	<.004	<.002	<.005	.024	<.010	<.002	E.005	<.020	<.005	<.018	<.003
JUL													
23...	1300	<.002	<.004	<.002	<.005	.021	<.010	<.002	E.027	<.020	<.005	<.018	<.003
AUG													
28...	1130	<.002	<.004	<.002	<.005	.007	<.010	<.002	E.046	<.020	<.005	<.018	<.003
SEP													
20...	1420	<.002	<.004	<.002	<.005	.009	<.010	<.002	E.015	<.040	<.005	<.018	<.003

DATE	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)	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)
OCT													
24...	E.014	111	.014	<.005	<.021	<.002	<.009	<.005	<.003	110	<.004	<.035	<.027
NOV													
20...	E.011	107	E.005	<.005	<.021	<.002	<.009	<.005	<.003	95	<.004	<.035	<.027
DEC													
19...	E.015	108	.007	<.005	<.021	<.035	<.009	<.005	<.003	111	<.004	<.035	<.027
JAN													
16...	E.010	97	.016	<.005	<.021	--	<.009	<.005	<.003	78	<.004	<.035	<.035
FEB													
20...	E.013	96	.011	<.005	<.021	<.002	<.009	<.005	<.003	94	<.004	<.035	<.027
MAR													
27...	E.009	96	.021	<.005	<.021	<.002	<.009	<.005	<.003	85	<.004	<.035	<.027
APR													
16...	E.010	94	.026	<.005	<.021	<.002	<.009	<.005	<.003	73	<.004	<.035	<.027
MAY													
18...	<.006	115	E.003	<.005	<.021	<.002	<.009	<.005	<.003	100	<.004	<.035	<.027
JUN													
27...	E.008	88	.020	<.005	<.021	<.002	<.009	<.005	<.003	89	<.004	<.035	<.027
JUL													
23...	E.005	121	.049	<.005	<.021	<.020	<.009	<.005	<.003	99	<.004	<.035	E.009
AUG													
28...	E.004	125	.024	<.005	<.021	<.002	<.009	<.005	<.003	97	<.004	<.035	<.027
SEP													
20...	E.005	107	.008	<.005	<.021	<.002	<.009	<.005	<.003	96	<.004	<.035	<.027

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
OCT													
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.567
NOV													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.055
DEC													
19...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.053
JAN													
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.067
FEB													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.059
MAR													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.036
APR													
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	.040	<.006	<.011	.045
MAY													
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	E.004
JUN													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.023
JUL													
23...	<.050	<.006	<.013	<.006	<.002	E.005	<.003	<.007	<.002	<.010	<.006	<.011	.047
AUG													
28...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.025
SEP													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.018

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	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)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	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)
OCT												
24...	<.004	<.010	<.011	<.023	.091	E.043	<.034	<.017	E.054	<.005	<.002	<.009
NOV												
20...	<.004	<.010	<.011	<.023	<.011	.022	<.034	<.017	--	<.005	<.002	<.009
DEC												
19...	<.004	<.010	<.011	<.023	E.002	E.036	<.034	<.017	E.002	<.005	<.002	<.009
JAN												
16...	<.004	<.010	<.011	<.023	E.008	.042	<.034	<.017	--	<.005	<.002	<.009
FEB												
20...	<.004	<.010	<.011	<.023	.014	.024	<.034	<.017	--	<.005	<.002	<.009
MAR												
27...	<.004	<.010	<.011	<.023	<.011	.022	<.034	<.017	--	<.005	<.002	<.009
APR												
16...	<.004	<.010	<.011	<.023	<.011	.023	<.034	<.017	--	<.005	<.002	<.009
MAY												
18...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	E.014	<.005	<.002	<.009
JUN												
27...	<.004	<.010	<.011	<.023	<.011	E.013	<.034	<.017	E.127	<.005	<.002	<.009
JUL												
23...	<.004	<.010	<.011	<.023	<.011	.020	<.034	<.017	E.174	<.005	<.002	<.009
AUG												
28...	<.004	<.010	<.011	<.023	<.011	E.011	<.034	<.017	--	<.005	<.002	<.009
SEP												
20...	<.004	<.010	<.011	<.023	E.008	E.021	<.034	<.017	E.843	<.005	<.002	<.009

E Estimated value.
< Actual value is known to be less than the value shown.

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1250	1170	1220	549	298	444	2090	1430	1860	1430	1390	1410
2	1260	1060	1210	939	538	762	1930	1570	1730	1390	1320	1360
3	1260	1200	1240	1140	939	1030	1580	1570	1570	1370	1320	1350
4	1270	1210	1250	1180	1140	1160	1570	1530	1550	1370	1350	1360
5	1290	1240	1260	1350	1020	1140	1530	1490	1510	1380	1350	1370
6	1280	1210	1250	2110	857	1200	1490	1450	1470	1440	1210	1400
7	1280	1220	1260	1750	952	1290	1460	1420	1440	1460	1340	1400
8	1320	1260	1290	1480	1300	1350	1430	1380	1400	1490	1330	1450
9	1360	1210	1300	7320	1290	3640	1380	1330	1360	1480	1320	1460
10	1360	796	1170	8940	3560	5220	3560	1220	1590	2480	1340	1760
11	1140	274	801	8920	3800	5470	8600	3060	4110	2470	1560	1870
12	1420	955	1300	4500	3500	3890	11900	4300	8750	3000	1590	2290
13	1470	1410	1450	6660	3560	5000	7320	3780	4620	2040	1520	1880
14	1460	1120	1280	5870	2400	3490	---	---	---	1810	1230	1500
15	1340	1200	1260	12100	2220	3540	---	---	---	1870	1740	1810
16	1400	1300	1370	14800	5050	9670	---	---	---	8010	1800	3880
17	1350	1300	1330	6030	4820	5230	---	---	---	8120	3690	6060
18	1350	1260	1300	5530	3310	4250	---	---	---	3690	2670	3040
19	1410	1130	1330	3670	1730	2180	---	---	---	2670	2480	2600
20	1420	1400	1410	2030	1730	1890	3040	2770	2930	3300	2320	2640
21	1430	488	1010	1860	1710	1780	3060	2920	3020	3510	2340	2780
22	1080	634	861	1710	1640	1670	3000	2190	2630	2480	1990	2230
23	1300	1080	1210	1640	1600	1620	2190	1620	1800	2010	1850	1930
24	1340	1300	1330	1630	1590	1610	2830	1530	1670	1970	1880	1930
25	1360	1210	1320	1600	1560	1570	4440	1790	2600	6670	1890	3180
26	1350	1300	1330	1560	1540	1550	4320	2620	3270	6650	3820	5350
27	1320	347	740	1540	1500	1520	4310	2920	3510	4600	2750	3520
28	771	584	670	1500	1450	1470	2920	2260	2480	2750	2230	2470
29	953	675	801	1650	1420	1450	2260	1730	1970	2230	2020	2100
30	795	175	429	1730	1380	1480	1740	1270	1520	3340	1990	2540
31	458	207	336	---	---	---	1400	1270	1320	3350	2570	2920
MONTH	1470	175	1140	14800	298	2590	11900	1220	2470	8120	1210	2350

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4300	3010	3720	2690	1450	1870	1400	1280	1340	507	399	441
2	3860	2220	2810	1770	1450	1590	1420	402	963	477	382	417
3	2240	1990	2150	1590	837	1110	1050	639	817	523	379	455
4	2140	2010	2100	1040	795	882	1320	788	1190	888	394	677
5	2050	1880	1960	1280	1040	1150	1070	307	561	978	885	946
6	1980	1800	1880	1290	966	1070	832	275	557	983	918	955
7	5810	1980	4080	1170	991	1080	1010	745	883	983	801	881
8	4630	3340	3870	1280	1150	1220	1060	492	812	1000	521	731
9	3380	2590	2820	1470	1260	1290	1160	565	907	666	340	523
10	2640	2480	2590	1470	654	962	1280	1130	1200	500	307	404
11	2730	2390	2540	1010	266	576	1480	1230	1370	478	357	417
12	2850	2610	2710	873	380	627	1810	680	1190	375	174	331
13	3010	2480	2700	1060	812	975	932	781	851	---	---	---
14	2600	2090	2270	1180	995	1110	978	845	896	---	---	---
15	2090	1910	2000	1230	1180	1210	1180	959	1050	---	---	---
16	1910	1780	1830	---	---	---	1290	1180	1230	---	---	---
17	1780	1690	1740	---	---	---	1270	1120	1220	---	---	---
18	1710	1650	1680	---	---	---	1160	1090	1110	---	---	---
19	2310	1600	1760	---	---	---	1120	1020	1090	---	---	---
20	2230	1650	1820	---	---	---	1020	411	615	---	---	---
21	1720	842	1260	---	---	---	512	417	468	---	---	---
22	1540	1450	1500	---	---	---	538	301	413	---	---	---
23	3000	1380	1680	---	---	---	668	517	627	---	---	---
24	1630	1180	1320	---	---	---	775	666	726	---	---	---
25	1400	1350	1370	---	---	---	893	713	785	---	---	---
26	1430	1290	1390	---	---	---	1100	893	1020	---	---	---
27	1440	1380	1420	---	---	---	1070	559	798	---	---	---
28	1480	1400	1440	1980	1170	1390	1020	512	738	---	---	---
29	---	---	---	1310	218	530	914	588	637	---	---	---
30	---	---	---	1070	547	835	609	487	524	---	---	---
31	---	---	---	1280	1070	1170	---	---	---	---	---	---
MONTH	5810	842	2160	2690	218	1090	1810	275	886	1000	174	598

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	1430	1250	1400	1780	1670	1740	1570	1290	1500
2	---	---	---	1410	1260	1380	1800	1590	1750	1640	1440	1590
3	---	---	---	1400	1220	1370	1740	1680	1720	1640	1500	1610
4	---	---	---	1460	1280	1390	1780	1570	1690	1660	1490	1600
5	---	---	---	1580	1420	1490	1800	1710	1760	1610	1460	1580
6	982	---	---	1440	1270	1380	1800	1660	1740	1520	1360	1490
7	879	562	751	1330	1190	1270	1760	1660	1690	1570	1400	1520
8	570	398	520	1350	1150	1300	1900	1700	1870	1590	1450	1560
9	399	310	373	1340	389	765	1920	1780	1840	1630	1540	1590
10	587	232	340	1470	1140	1310	1920	1700	1800	1650	1560	1610
11	580	317	440	1460	1090	1370	1930	1820	1880	1650	1590	1630
12	459	259	325	1550	1420	1500	1960	1820	1880	1740	1650	1680
13	514	321	397	1610	1480	1550	1880	1760	1830	1780	1700	1740
14	1400	514	799	1640	1520	1610	1820	1700	1760	1740	1680	1710
15	1520	1100	1340	1640	1550	1600	1750	1670	1710	1730	1680	1700
16	1600	1400	1520	1650	1550	1600	1750	1670	1710	1740	1500	1620
17	1590	1470	1550	1600	1480	1550	1980	1720	1850	1680	1290	1420
18	1590	1440	1520	1560	1460	1530	1960	1860	1910	1610	1420	1550
19	1570	1320	1510	1560	1360	1510	1940	1820	1880	1670	1610	1640
20	1500	1370	1460	1500	1380	1440	2000	950	1870	1730	1620	1660
21	1530	1370	1490	1450	1270	1390	1760	286	987	1750	1560	1700
22	1540	1440	1490	1530	1320	1480	1310	667	990	1740	1640	1690
23	1480	1380	1440	1530	1380	1500	1420	1310	1370	1740	1610	1710
24	1540	1390	1490	1530	1360	1480	1440	1350	1400	1720	1570	1650
25	1570	1400	1490	1560	1420	1540	1480	1420	1460	1640	1540	1610
26	1500	1200	1400	1530	1350	1480	1670	1470	1540	1550	887	1160
27	1490	1380	1430	1590	1430	1540	1740	1670	1720	1440	1190	1370
28	1400	1260	1380	1560	1480	1540	1760	1670	1720	1560	1330	1480
29	1430	1280	1410	1630	1550	1590	1720	1580	1650	1570	1480	1530
30	1410	1240	1350	1710	1580	1680	1660	1480	1630	1550	1480	1520
31	---	---	---	1770	1660	1730	1650	1450	1560	---	---	---
MONTH	1600	232	1130	1770	389	1460	2000	286	1670	1780	887	1580
YEAR	14800	174	1660									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.8	14.6	16.0	8.9	8.3	8.6	5.5	4.3	4.8	3.0	2.3	2.6
2	17.8	15.0	16.3	8.5	7.5	8.1	5.3	3.4	4.3	3.0	2.3	2.5
3	16.7	15.0	15.8	8.1	6.6	7.4	5.5	3.5	4.3	3.5	2.3	2.7
4	16.0	13.1	14.5	7.6	6.2	6.9	5.6	3.5	4.4	3.2	2.3	2.6
5	14.7	12.3	13.5	7.4	6.6	7.1	5.7	3.5	4.4	3.3	2.2	2.6
6	14.2	11.0	12.6	7.2	5.7	6.5	5.7	3.5	4.4	2.9	2.2	2.4
7	14.1	11.2	12.6	5.7	4.2	5.0	5.3	3.8	4.4	3.0	1.7	2.2
8	14.2	11.4	12.8	5.5	4.3	4.8	5.1	3.6	4.3	2.8	1.7	2.1
9	14.8	11.5	13.1	5.2	4.3	4.8	5.8	3.8	5.0	3.4	1.6	2.2
10	14.3	12.6	13.6	5.2	4.2	4.6	5.8	2.3	4.9	4.1	2.2	3.2
11	12.6	10.4	11.2	4.3	2.8	3.7	3.2	1.3	2.2	5.1	3.3	4.2
12	12.1	9.4	10.6	4.3	3.0	3.8	3.9	2.8	3.4	5.2	3.3	4.1
13	10.8	10.1	10.5	5.3	3.0	4.2	4.9	3.8	4.2	4.7	3.4	4.1
14	11.5	9.8	10.4	5.8	3.3	4.6	---	---	---	4.3	3.4	3.9
15	11.7	8.7	10.2	5.6	3.7	4.8	---	---	---	4.8	3.2	3.9
16	12.2	8.9	10.5	5.0	3.7	4.3	---	---	---	3.2	1.1	1.9
17	12.4	9.9	11.1	4.2	2.7	3.3	---	---	---	2.4	.5	1.4
18	12.7	10.7	11.8	3.8	2.2	3.0	---	---	---	3.0	.8	1.8
19	12.7	11.2	12.1	3.3	1.2	2.4	---	---	---	3.4	1.8	2.4
20	12.9	11.3	12.1	4.1	2.5	3.2	3.9	2.2	3.0	4.6	2.5	3.2
21	12.8	11.7	12.1	4.4	2.8	3.6	5.0	3.2	4.0	4.4	2.3	3.2
22	11.7	10.3	10.7	5.2	3.6	4.3	5.7	3.0	4.5	4.3	2.8	3.4
23	11.5	9.9	10.7	5.7	3.7	4.5	5.8	4.1	4.8	5.5	3.3	4.1
24	12.8	11.0	11.8	5.0	3.7	4.3	5.0	3.9	4.5	5.8	3.2	4.3
25	13.1	11.4	12.1	5.1	2.9	3.9	3.9	2.8	3.4	4.5	3.0	4.1
26	12.7	11.5	12.0	6.2	3.9	5.0	3.5	1.9	2.6	4.2	1.8	2.9
27	12.0	10.9	11.5	6.9	5.3	6.0	3.2	1.7	2.5	5.0	2.9	3.9
28	11.9	10.9	11.4	7.3	5.5	6.2	3.3	1.9	2.5	5.1	3.3	3.9
29	11.7	10.3	10.8	7.3	5.1	6.1	3.0	1.5	2.3	4.9	2.3	3.5
30	10.7	9.5	10.1	7.1	5.3	6.1	2.7	1.4	2.0	4.7	2.8	3.5
31	9.7	8.8	9.3	---	---	---	3.2	2.2	2.5	4.1	1.6	2.8
MONTH	17.8	8.7	12.1	8.9	1.2	5.0	5.8	1.3	3.7	5.8	.5	3.1

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.2	2.9	3.7	7.4	5.2	6.0	13.2	10.4	11.7	13.3	9.2	10.9
2	5.9	3.4	4.5	8.2	5.0	6.4	12.1	9.9	11.4	9.4	5.8	7.8
3	6.2	5.0	5.6	7.3	4.4	6.0	10.9	8.6	9.3	8.7	5.1	6.9
4	7.7	5.6	6.4	7.4	4.1	5.8	9.8	8.4	8.9	12.6	5.8	8.7
5	7.9	5.5	6.5	9.4	6.5	8.0	11.2	8.2	9.5	14.4	9.6	11.8
6	6.2	4.0	5.3	10.4	7.0	8.6	10.8	8.4	9.5	15.4	10.0	12.5
7	4.2	2.4	3.3	12.3	8.1	9.6	10.3	8.2	9.4	16.4	10.2	13.1
8	3.4	1.1	2.1	12.6	7.5	9.6	9.8	6.1	7.8	17.9	9.9	13.8
9	2.6	.7	1.8	10.0	8.1	9.0	9.9	5.6	7.8	17.0	11.1	13.8
10	4.3	1.2	2.6	10.4	8.0	9.1	10.2	7.2	8.8	13.4	8.6	10.9
11	5.7	3.2	4.1	9.1	4.4	6.1	10.8	8.2	9.3	13.2	7.8	10.4
12	6.2	4.1	5.0	6.5	3.5	4.9	8.9	4.0	6.8	13.5	7.9	10.4
13	5.8	4.9	5.3	11.3	6.4	8.1	11.0	5.2	7.7	11.1	7.3	9.1
14	5.3	3.8	4.7	9.8	7.0	8.2	11.8	8.2	9.9	12.9	7.4	9.8
15	6.5	3.1	4.5	9.2	5.8	7.3	12.8	8.4	10.6	11.4	7.6	9.1
16	7.2	3.6	5.0	7.2	2.9	5.3	14.7	10.9	12.7	9.7	7.2	8.3
17	7.6	3.7	5.3	7.6	3.4	5.3	15.9	11.2	13.6	11.3	6.9	8.5
18	8.8	4.9	6.5	9.5	6.1	7.7	16.1	12.4	14.3	10.1	7.2	8.5
19	9.5	6.7	7.8	12.1	8.0	9.8	15.0	12.2	13.8	12.1	7.0	9.1
20	9.7	6.8	7.8	12.6	10.0	11.1	14.6	8.6	10.8	11.3	7.0	8.8
21	10.4	6.9	8.3	14.9	10.7	12.3	10.1	7.4	8.7	10.5	6.2	8.2
22	10.1	6.4	8.1	14.8	10.8	12.6	12.9	7.8	10.2	12.0	6.8	9.2
23	7.9	3.8	6.1	13.8	11.4	12.5	14.1	9.0	11.4	12.9	7.2	9.8
24	6.4	4.2	5.2	14.6	10.6	12.5	15.6	10.1	12.7	12.9	7.4	9.9
25	8.0	5.3	6.4	15.1	10.8	12.7	15.0	11.3	13.4	13.2	8.0	10.2
26	8.2	5.0	6.4	14.0	11.0	12.3	16.5	13.5	15.0	12.2	8.0	9.8
27	8.1	4.9	6.3	14.1	10.3	11.8	16.8	13.5	15.4	12.1	8.3	9.9
28	6.9	4.6	5.7	10.9	9.7	10.2	17.1	13.0	15.0	12.1	9.1	10.3
29	---	---	---	10.9	7.7	9.5	15.3	10.7	12.8	13.8	8.8	10.9
30	---	---	---	12.5	7.9	10.3	14.5	8.7	11.7	12.2	8.1	10.1
31	---	---	---	12.9	9.2	11.1	---	---	---	13.1	8.3	10.6
MONTH	10.4	.7	5.4	15.1	2.9	9.0	17.1	4.0	11.0	17.9	5.1	10.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.1	8.8	11.4	23.9	19.7	21.7	23.8	19.4	21.5	22.7	19.0	20.6
2	12.8	10.2	11.5	23.8	20.8	22.2	24.7	19.6	22.0	23.1	18.8	20.9
3	12.6	10.0	11.1	25.4	21.1	23.2	23.5	20.9	22.2	23.1	18.8	21.0
4	11.9	8.5	10.3	25.3	21.7	23.4	25.0	20.7	22.6	22.7	19.3	21.0
5	13.2	9.3	11.2	25.6	22.5	24.0	25.4	21.1	23.1	21.5	19.4	20.5
6	16.4	11.2	13.8	24.9	22.2	23.6	24.4	20.4	22.5	20.0	16.4	17.8
7	17.3	12.4	14.8	24.0	21.5	22.7	25.8	21.9	23.7	18.6	14.3	16.3
8	16.5	12.1	14.4	24.7	21.8	23.2	26.2	22.2	24.1	17.2	14.0	15.6
9	16.2	11.7	14.1	24.0	21.0	22.4	25.8	22.0	23.7	17.6	12.9	15.1
10	15.5	10.6	13.2	24.7	21.4	22.7	25.5	21.9	23.6	18.4	13.5	15.8
11	15.6	11.9	14.0	24.5	20.0	22.0	25.5	20.8	23.0	19.5	14.9	17.1
12	15.8	10.9	13.4	25.4	20.1	22.6	24.7	20.7	22.7	20.0	17.0	18.4
13	10.9	7.4	9.1	25.9	21.0	23.2	23.7	21.6	22.6	20.8	17.4	19.1
14	15.7	8.2	11.5	24.0	21.3	22.6	24.6	20.7	22.5	20.8	17.3	19.0
15	18.8	12.9	15.6	22.8	19.8	21.1	24.2	20.4	22.1	20.7	16.7	18.7
16	21.0	14.4	17.6	22.0	18.5	20.2	24.4	20.2	22.3	20.3	17.4	18.9
17	21.2	16.3	18.7	21.1	17.9	19.4	24.8	20.0	22.3	19.4	17.1	18.4
18	19.7	16.3	18.1	22.2	18.2	20.0	24.5	20.5	22.4	19.8	16.4	18.0
19	20.1	15.5	17.8	21.8	18.7	20.2	24.4	20.6	22.4	19.9	16.1	17.9
20	21.0	16.3	18.6	21.5	18.7	20.3	22.4	20.1	21.3	19.8	15.9	17.9
21	22.4	17.0	19.5	22.2	19.0	20.5	22.7	17.0	20.2	19.7	16.1	17.9
22	22.9	18.0	20.4	22.5	18.9	20.7	21.6	17.2	19.3	19.7	15.8	17.8
23	22.0	18.7	20.3	22.9	19.3	21.0	22.5	18.8	20.5	20.1	15.8	17.9
24	22.5	18.5	20.4	22.8	19.6	21.0	22.1	19.2	20.5	20.1	15.9	18.1
25	22.1	18.6	20.2	23.8	19.9	21.7	23.1	18.6	20.6	19.3	16.2	18.0
26	21.8	18.2	19.3	23.0	20.5	21.6	23.8	19.1	21.2	19.3	16.7	18.1
27	21.2	17.5	19.0	23.9	19.7	21.7	24.1	19.5	21.6	19.5	16.3	17.8
28	22.8	19.1	21.0	23.8	20.2	21.9	23.7	19.1	21.4	19.3	16.0	17.7
29	22.5	19.1	20.7	24.7	19.9	22.3	22.4	19.3	21.0	19.6	17.0	18.3
30	23.2	19.7	21.2	23.8	19.9	21.8	21.8	19.9	20.7	19.3	16.0	17.7
31	---	---	---	23.4	19.8	21.5	22.9	19.5	21.0	---	---	---
MONTH	23.2	7.4	16.1	25.9	17.9	21.8	26.2	17.0	22.0	23.1	12.9	18.2
YEAR	26.2	.5	11.6									

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR 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)
NOV										
01...	1030	ENVIRONMENTAL	1.5	86	8.5	8.0	1170	9.7	380	87.8
22...	1200	ENVIRONMENTAL	6.1	111	9.8	7.9	1350	5.9	220	58.2
DEC										
22...	1030	ENVIRONMENTAL	3.9	87	9.9	7.9	4020	3.8	290	73.4
22...	1300	FIELD BLANK	--	--	--	--	--	--	--	<.02
JAN										
18...	1220	ENVIRONMENTAL	3.2	95	9.5	8.0	1750	8.3	280	65.7
FEB										
18...	0930	ENVIRONMENTAL	9.4	96	10.8	7.9	1500	3.9	150	39.6
MAR										
23...	1020	ENVIRONMENTAL	2.6	111	11.2	8.0	1550	8.0	350	80.1
APR										
14...	0750	ENVIRONMENTAL	31	--	--	7.7	620	11.8	140	35.6
14...	0855	ENVIRONMENTAL	98	--	--	7.8	420	11.6	100	25.7
14...	0920	ENVIRONMENTAL	119	--	--	7.8	435	11.1	110	29.2
14...	0950	ENVIRONMENTAL	179	--	--	7.9	380	11.1	86	24.3
14...	1100	ENVIRONMENTAL	103	--	--	8.2	200	11.0	42	12.7
20...	1040	ENVIRONMENTAL	33	108	10.3	8.1	1080	10.4	280	52.2
MAY										
22...	1050	ENVIRONMENTAL	93	112	10.3	8.1	420	12.0	110	24.5
JUN										
20...	1150	ENVIRONMENTAL	17	99	8.6	8.2	1040	15.3	270	51.8
JUL										
25...	1030	ENVIRONMENTAL	4.6	96	7.3	8.3	1360	21.0	380	75.7
AUG										
21...	1130	ENVIRONMENTAL	7.3	98	7.8	7.9	1300	19.0	320	56.3
SEP										
15...	1020	ENVIRONMENTAL	4.3	96	7.8	7.6	1360	18.0	360	63.8

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)
NOV										
01...	38.3	11.2	2	85.4	303	370	139	.5	14.9	113
22...	19.1	7.5	5	177	155	190	295	.3	8.9	50.8
DEC										
22...	26.4	7.7	19	760	209	254	1160	.4	10.3	70.5
22...	<.01	<.2	--	<.1	--	--	<.3	<.1	<.1	<.3
JAN										
18...	28.9	7.5	5	207	233	284	--	.5	9.4	42.8
FEB										
18...	11.9	4.3	8	234	114	140	380	.2	4.9	34.8
MAR										
23...	35.2	7.9	4	165	242	295	278	.4	5.3	105
APR										
14...	11.8	3.5	1	38.3	101	124	68.6	.3	3.8	33.3
14...	8.69	3.8	2	38.2	75	91	63.4	.2	3.2	23.6
14...	8.80	3.2	2	37.6	80	98	64.2	.2	3.7	26.8
14...	6.13	3.1	2	44.8	62	76	70.1	.2	3.6	20.5
14...	2.45	1.9	1	21.9	37	45	30.8	.1	2.3	8.5
20...	35.5	10.3	3	105	200	243	148	.5	14.4	134
MAY										
22...	11.8	3.3	1	32.9	76	92	48.6	.2	7.6	45.5
JUN										
20...	33.9	8.9	3	101	182	223	145	.5	14.7	131
JUL										
25...	45.2	14.4	3	130	236	288	194	.7	13.0	167
AUG										
21...	42.9	12.9	3	141	211	257	195	.6	13.4	161
SEP										
15...	47.3	14.9	3	137	228	278	200	.7	15.4	166

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--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)
NOV										
01...	.033	.28	.48	.825	.016	.026	.030	.083	.96	2.92
22...	.031	.47	.55	.893	.025	.037	.032	.084	1.01	12.2
DEC										
22...	.104	.75	.76	1.04	.068	.025	.018	.095	3.10	24.0
22...	<.020	E.10	E.10	<.050	<.010	<.006	<.010	<.008	--	--
JAN										
18...	.219	.66	1.4	1.05	.084	.077	.057	.268	--	--
FEB										
18...	.189	.34	.52	.798	.028	.014	<.010	.065	1.09	20.2
MAR										
23...	.026	.31	.34	.821	.015	.016	.016	.048	1.18	6.05
APR										
14...	.142	.63	1.6	.508	.022	.049	.030	.311	.37	22.7
14...	.439	1.5	8.8	.466	.043	.156	.108	2.39	.31	60.6
14...	.372	.92	11	.500	.040	.022	.011	2.20	.33	77.4
14...	.491	1.5	8.6	.688	.070	.067	.040	1.45	.33	116
14...	.317	.83	3.0	.316	.030	.101	.076	.735	.16	31.7
20...	.056	.41	.70	.477	.017	.015	<.010	.114	.88	58.3
MAY										
22...	<.020	.14	.39	.266	<.010	.009	<.010	.071	.33	60.4
JUN										
20...	.026	.44	.60	.326	<.010	.021	.024	.064	.85	28.5
JUL										
25...	.035	.47	.69	.456	.013	.036	.023	.093	1.11	10.2
AUG										
21...	.054	.49	.79	.596	.013	.077	.017	.103	1.06	15.3
SEP										
15...	.045	.46	.93	.555	.012	.037	.026	.110	1.09	9.33

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 PARTIC-ULATE 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)
NOV										
01...	708	675	2.9	30	102	5.4	.4	.53	128	44
22...	744	715	5.5	140	76	8.2	.7	.20	12	66
DEC										
22...	2280	2240	15	80	141	E1.9	2.7	.23	22	62
22...	<10	--	--	<10	<1	--	--	--	--	--
JAN										
18...	972	--	38	20	66	9.4	>5.0	.73	86	71
FEB										
18...	798	782	9.1	30	18	3.3	1.2	.51	20	96
MAR										
23...	868	827	1.5	90	67	3.7	.5	.48	69	89
APR										
14...	271	259	32	30	28	6.7	>5.0	13	161	90
14...	229	215	91	110	112	12	>5.0	418	1580	79
14...	241	225	25	80	138	13	>5.0	384	1200	86
14...	240	214	71	100	61	16	>5.0	421	871	87
14...	114	105	51	40	13	7.1	>5.0	106	380	89
20...	650	622	30	<10	13	3.8	2.3	6.4	71	94
MAY										
22...	240	221	7.5	E10	6	2.5	.7	8.8	35	90
JUN										
20...	624	598	3.6	<10	20	4.3	.7	.87	19	95
JUL										
25...	818	786	8.5	E10	36	4.6	<.2	.67	54	91
AUG										
21...	778	753	19	10	52	4.9	1.5	.63	32	89
SEP										
15...	798	786	14	10	40	4.5	1.4	.21	18	95

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

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)
NOV											
01...	1030	ENVIRONMENTAL	V8	1	140	131	<1	--	<1.0	<.8	<1
22...	1200	ENVIRONMENTAL	V5	1	57.8	95	<1	--	<1.0	E.5	<1
DEC											
22...	1030	ENVIRONMENTAL	V4	<2	81.3	135	<2	--	<2.0	2.9	<2
22...	1300	FIELD BLANK	3	<1	<2.0	<1	<1	--	<1.0	<.8	<1
JAN											
18...	1220	ENVIRONMENTAL	V4	2	112	100	<1	--	<1.0	1.2	<1
FEB											
18...	0930	ENVIRONMENTAL	V3	<1	25.9	35	<1	37	<1.0	1.7	<1
MAR											
23...	1020	ENVIRONMENTAL	V3	2	227	129	<1	153	<1.0	<1.0	<1
APR											
14...	0750	ENVIRONMENTAL	<7	1	32.1	59	<1	--	<1.0	<.8	<1
14...	0855	ENVIRONMENTAL	<14	2	38.0	44	<1	--	<1.0	E.5	<1
14...	0920	ENVIRONMENTAL	<13	2	11.7	51	<1	--	<1.0	<.8	<1
14...	0950	ENVIRONMENTAL	V10	2	12.9	43	<1	--	<1.0	<.8	<1
14...	1100	ENVIRONMENTAL	<18	<1	5.8	21	<1	--	<1.0	2.0	<1
20...	1040	ENVIRONMENTAL	<2	<1	16.4	90	<1	182	<1.0	<.8	<1
MAY											
22...	1050	ENVIRONMENTAL	<14	<1	6.5	40	<1	58	<1.0	<.8	<1
JUN											
20...	1150	ENVIRONMENTAL	4	<1	22.7	85	<1	181	<1.0	<.8	<1
JUL											
25...	1030	ENVIRONMENTAL	3	1	52.8	115	<1	235	<1.0	<.8	<1
AUG											
21...	1130	ENVIRONMENTAL	V3	1	39.1	116	<1	254	<1.0	<.8	<1
SEP											
15...	1020	ENVIRONMENTAL	V2	1	54.6	110	<1	264	.1	<.8	M

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)
NOV												
01...	2	<1	--	13	2	3.2	<1	--	--	--	V17	16
22...	3	1	--	5	2	E1.4	<1	--	--	--	V26	9
DEC												
22...	3	<2	--	8	<2	E1.6	<2	--	--	--	V30	9
22...	<1	<1	--	<1	<1	<2.4	<1	--	--	--	<1	<1
JAN												
18...	4	<1	--	10	2	E1.6	<1	--	--	--	V21	14
FEB												
18...	1	<1	8.5	2	<1	<.7	<1	112	<.9	<1	V27	3
MAR												
23...	4	<1	40.9	12	4	2.7	<1	577	<.9	<1	V18	22
APR												
14...	3	<1	--	5	2	2.4	<1	--	--	--	<15	6
14...	3	<1	--	4	2	<2.4	<1	--	--	--	<20	4
14...	3	<1	--	4	2	<2.4	<1	--	--	--	<15	4
14...	3	<1	--	4	2	E1.3	<1	--	--	--	V28	3
14...	3	<1	--	2	1	<2.4	<1	--	--	--	<14	1
20...	2	<1	85.0	6	<1	1.0	<1	773	<.9	3	<9	7
MAY												
22...	3	<1	23.7	4	<1	<.7	<1	277	<.9	1	<13	2
JUN												
20...	2	<1	78.0	7	2	1.0	<1	712	<.9	2	10	6
JUL												
25...	2	<1	96.7	9	1	1.5	<1	934	<.9	3	5.3	9
AUG												
21...	2	<1	104	8	<1	1.0	<1	813	<.9	3	V10	8
SEP												
15...	2	M	109	9	2	1.5	<1	868	M	3	V14	10

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
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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	1180	1120	1160	1350	1160	1200	2070	502	1030	1170	978	1050
2	1180	1120	1170	1250	1140	1210	1820	720	1050	5230	1140	1840
3	1320	1130	1240	1270	1070	1230	5120	1330	2890	5780	2780	4160
4	1400	1170	1330	1280	1260	1270	7360	2380	4560	5980	2860	4030
5	1390	1280	1330	1280	1230	1270	2900	1950	2320	6270	2860	4920
6	1320	1230	1310	1280	1160	1240	2840	1300	1850	6100	4980	5630
7	1330	1140	1280	1240	1090	1220	3120	1270	1840	6220	3800	5280
8	1320	1210	1300	1290	1160	1260	2560	1700	2110	3800	2560	3020
9	1340	1250	1310	1290	990	1160	2550	1270	1760	2560	2180	2330
10	1310	1180	1240	1170	993	1080	4920	1650	2730	3710	2140	2520
11	1260	1160	1210	1240	1170	1220	6560	2630	4980	4980	2700	4080
12	1320	1180	1270	1280	1240	1260	6490	2190	4130	2960	1860	2030
13	1330	1190	1270	1290	1280	1280	4970	2080	2930	1990	1580	1770
14	1360	1240	1320	1320	1270	1290	8700	3820	5460	1700	1420	1590
15	1440	1270	1380	1300	1250	1280	11300	3870	7300	1620	1460	1580
16	1460	1330	1430	1270	1250	1260	3920	2120	2740	1570	1450	1520
17	1460	1410	1440	1280	272	1170	4590	2610	3390	1550	1430	1490
18	1440	1390	1420	737	245	491	3450	2050	2850	1730	1260	1420
19	1400	1320	1360	957	726	886	2500	1830	2190	1410	1080	1210
20	1370	1330	1350	1000	843	916	1920	1560	1790	1400	1300	1370
21	1360	1250	1290	1390	519	974	3340	1630	2110	1400	364	783
22	1340	1260	1310	1800	616	1200	4570	1690	3040	965	644	855
23	1340	1310	1330	3210	1240	1930	2380	1570	1820	1180	965	1080
24	1370	1320	1350	1410	1120	1230	2000	1630	1870	1230	1160	1200
25	1380	1330	1350	1280	1100	1200	1860	1380	1670	1250	352	956
26	1360	1320	1340	1240	1050	1150	1650	1450	1610	1020	318	511
27	1620	1310	1370	1140	985	1060	1560	1390	1490	1020	724	870
28	1360	1320	1340	1180	1040	1120	1530	1410	1490	1140	1020	1100
29	1330	287	689	1210	1020	1130	1510	1430	1480	1270	1140	1210
30	979	655	873	1200	1040	1140	1490	1410	1460	1340	1270	1310
31	1160	979	1070	---	---	---	1460	1170	1400	9140	1340	3010
MONTH	1620	287	1270	3210	245	1180	11300	502	2560	9140	318	2120

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9200	2580	4370	1320	1060	1220	1110	1050	1080	914	648	765
2	3500	2320	2960	1370	1250	1300	1140	1020	1090	848	651	752
3	2320	1770	1990	1410	1320	1370	1050	942	1020	765	561	669
4	1770	1610	1680	1420	1350	1400	1010	907	947	640	500	593
5	1620	1540	1570	1430	1400	1420	1090	957	1030	518	423	472
6	1550	1470	1510	1670	1370	1450	1000	763	889	545	440	493
7	1520	1450	1490	2080	1470	1680	988	862	949	490	418	440
8	1470	1400	1460	1470	1400	1440	1090	919	1000	651	397	505
9	1470	1380	1440	2090	806	1110	1070	958	1020	752	552	637
10	1450	1390	1420	7110	975	2890	1040	501	746	759	621	713
11	1880	378	744	2850	1840	2080	894	697	840	640	413	567
12	1080	368	856	1840	1650	1740	951	882	911	761	594	646
13	1130	394	696	1650	1470	1540	915	835	866	987	761	868
14	2150	969	1080	1480	924	1290	994	224	496	1120	986	1030
15	1170	731	936	1450	1210	1360	617	407	486	1200	1120	1150
16	1330	1100	1190	1420	1350	1380	660	499	584	1210	1160	1180
17	1300	539	1080	1420	923	1140	683	552	624	1230	1090	1160
18	3060	774	1520	1300	1010	1170	1130	683	1060	1220	1140	1170
19	3060	1400	1760	1360	923	1270	1080	936	1010	1320	1210	1270
20	1440	1400	1420	5520	629	2630	1210	1060	1120	1310	1100	1210
21	1580	310	1230	5440	1960	2730	1210	1150	1190	1100	527	646
22	838	455	598	2440	1670	2090	1220	734	1190	527	318	422
23	1080	838	975	1680	1480	1590	1100	507	931	364	266	324
24	2750	819	1210	1510	1380	1470	1060	429	743	350	253	289
25	1740	869	1320	1420	1260	1350	1130	1050	1090	301	259	281
26	3020	1500	2120	1400	1290	1350	1150	1090	1120	292	237	269
27	1610	1420	1460	1350	1260	1320	1150	1060	1100	290	216	250
28	2350	604	1160	4630	1270	1520	1120	780	931	260	172	231
29	1160	995	1070	1280	972	1140	839	525	579	221	153	193
30	---	---	---	1240	704	971	894	558	665	228	141	188
31	---	---	---	1090	976	1050	---	---	---	244	194	220
MONTH	9200	310	1460	7110	629	1530	1220	224	910	1320	141	632

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
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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	280	198	249	1070	747	894	1370	1240	1340	1160	435	802
2	291	237	264	1160	1070	1140	1360	1340	1350	1150	609	842
3	321	221	274	1230	1150	1210	1350	718	1320	1240	1100	1200
4	308	228	277	1250	1190	1230	1170	598	954	1250	1110	1210
5	311	240	291	1250	852	1070	1280	1150	1220	1320	1240	1290
6	347	284	319	1230	1080	1180	1390	1200	1340	1270	1150	1230
7	340	237	297	1260	1230	1240	1330	1180	1300	1340	1170	1290
8	391	251	344	1280	1140	1250	1350	1270	1310	1360	1240	1300
9	411	319	374	1270	1140	1240	1370	1210	1320	1330	1190	1310
10	559	295	430	1280	334	1120	1330	1220	1310	1350	1220	1310
11	617	473	527	661	296	441	1310	1260	1290	1380	1230	1340
12	621	466	550	1090	450	718	1330	1300	1310	1370	1240	1340
13	637	430	578	1260	1080	1160	1360	1200	1320	1380	1240	1360
14	552	372	449	1260	1120	1230	1340	1220	1320	1390	1340	1370
15	631	412	513	1240	779	1010	1320	1020	1270	1390	1340	1370
16	632	377	474	1210	1060	1180	1230	962	1080	1400	1210	1370
17	842	597	685	1210	1050	1180	1270	1180	1240	1400	1310	1370
18	932	813	867	1200	854	1000	1280	680	1090	1400	1260	1360
19	1030	675	840	1200	1060	1160	1080	380	495	1410	1150	1350
20	1080	981	1030	1240	1100	1180	1180	519	757	1380	1230	1360
21	1130	1030	1100	1310	1170	1250	1300	1100	1240	1420	453	1160
22	1160	1020	1110	1310	1190	1290	1280	1140	1250	871	311	721
23	1170	1010	1120	1320	1180	1280	1360	1230	1270	836	179	454
24	1160	1110	1130	1340	1180	1310	1390	1230	1360	1110	836	995
25	1160	1000	1120	1370	1210	1330	1420	655	1380	1070	904	969
26	1190	1030	1150	1370	1160	1300	1430	1150	1360	1090	973	1020
27	1200	1070	1170	1340	1210	1320	1230	761	950	1040	1010	1020
28	1180	1110	1150	1380	1240	1350	1350	925	1220	1110	1040	1070
29	1130	1000	1060	1380	1290	1330	1360	1280	1330	1190	1110	1160
30	1170	966	1090	1360	1230	1320	1380	298	1180	1190	1150	1180
31	---	---	---	1350	1230	1330	469	265	341	---	---	---
MONTH	1200	198	694	1380	296	1170	1430	265	1190	1420	179	1170

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	14.5	12.1	13.2	9.9	8.6	9.3	8.1	5.2	7.1	3.2	2.2	2.6
2	13.9	11.2	12.5	10.0	7.6	8.8	5.2	4.2	4.8	3.6	2.0	2.7
3	13.8	10.6	12.2	10.2	7.8	9.0	4.2	2.1	3.2	3.4	1.9	2.6
4	14.3	11.0	12.5	10.6	8.3	9.5	3.2	1.4	2.4	4.1	1.8	3.0
5	14.9	11.4	13.0	11.4	9.2	10.2	4.0	.8	2.5	4.5	3.2	3.8
6	14.0	12.6	13.3	11.3	9.5	10.3	4.9	2.1	3.7	3.9	1.7	2.6
7	14.2	12.1	13.1	11.1	9.5	10.3	6.6	4.1	5.0	3.2	1.6	2.4
8	14.3	11.0	12.6	11.4	10.3	10.8	5.1	3.4	4.2	3.7	2.2	3.1
9	15.0	11.5	13.1	10.8	9.8	10.3	4.5	2.4	3.5	4.7	2.4	3.5
10	15.4	11.9	13.6	10.8	8.6	9.7	5.2	3.5	4.3	5.4	4.1	4.7
11	15.6	12.6	14.0	10.8	8.5	9.5	4.1	2.0	3.1	6.3	4.4	5.2
12	15.7	12.8	14.3	10.7	8.0	9.2	5.3	4.0	4.6	5.5	4.0	4.8
13	15.3	11.7	13.6	10.3	7.7	8.8	5.4	2.6	4.4	5.7	3.7	4.7
14	14.9	11.5	13.3	9.9	7.2	8.4	3.7	1.8	2.7	6.6	5.2	5.8
15	13.8	11.0	12.5	9.7	7.2	8.3	3.5	1.4	2.4	7.1	5.3	6.2
16	11.0	9.4	10.1	10.0	7.6	8.7	5.9	3.5	4.7	7.8	6.7	7.3
17	10.1	7.9	9.0	10.3	7.6	9.1	6.9	5.4	6.2	8.3	7.2	7.7
18	10.2	7.8	9.0	7.8	6.2	7.0	6.3	5.3	5.8	8.5	7.3	7.9
19	10.3	8.2	9.4	7.6	5.4	6.5	6.1	5.3	5.7	9.0	7.5	8.1
20	10.6	8.1	9.6	8.5	6.8	7.5	5.7	5.1	5.5	8.6	7.0	7.8
21	10.8	8.4	9.8	6.8	4.2	5.8	6.0	4.6	5.4	7.8	5.5	6.8
22	11.2	8.3	9.9	6.0	4.1	5.0	4.9	3.6	4.2	6.2	4.8	5.4
23	10.9	8.5	10.0	5.1	3.0	4.1	4.3	3.0	3.7	5.3	3.7	4.6
24	11.6	8.9	10.4	4.5	2.0	3.4	4.3	2.9	3.5	6.7	5.2	5.9
25	11.4	9.4	10.5	6.3	4.0	5.0	4.9	2.7	3.5	7.1	5.8	6.5
26	11.8	9.3	10.7	8.7	6.3	7.4	4.4	2.7	3.3	8.9	4.8	5.8
27	13.6	10.6	11.5	9.1	7.5	8.1	4.7	2.9	3.5	5.7	4.2	5.0
28	11.8	10.8	11.4	8.0	6.5	7.4	4.6	2.9	3.5	4.4	2.6	3.5
29	10.8	7.7	9.1	8.4	6.4	7.5	4.4	2.8	3.4	4.2	1.9	3.0
30	9.5	7.3	8.5	8.3	7.7	8.0	4.0	2.5	3.1	4.5	2.0	3.2
31	10.3	8.0	9.3	---	---	---	3.4	2.1	2.7	3.8	2.4	3.3
MONTH	15.7	7.3	11.5	11.4	2.0	8.1	8.1	.8	4.1	9.0	1.6	4.8

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR 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	4.5	1.5	3.0	8.1	7.3	7.7	11.6	6.7	9.3	15.1	9.4	12.4
2	5.3	2.9	4.1	10.1	6.6	8.2	12.7	7.8	10.4	16.8	10.7	13.6
3	5.7	3.1	4.4	10.0	5.9	8.0	13.7	8.9	11.5	16.0	10.5	13.2
4	6.5	4.1	5.1	11.0	6.6	8.7	14.9	9.6	12.3	15.1	10.4	12.7
5	6.8	4.9	5.6	9.3	7.5	8.6	15.7	12.4	14.1	12.4	9.6	10.8
6	7.6	4.7	5.9	8.3	6.8	7.5	14.9	11.1	13.2	11.9	8.6	10.2
7	7.9	4.8	6.1	8.9	5.6	7.2	14.2	10.5	12.5	11.2	9.2	10.1
8	7.6	5.6	6.5	8.6	6.7	7.6	14.4	9.1	11.9	11.8	7.8	9.8
9	9.0	6.5	7.5	7.4	5.7	6.6	14.3	10.9	12.8	12.6	8.9	10.8
10	8.9	7.3	7.9	7.3	4.3	5.9	14.2	10.3	12.4	13.2	11.2	12.2
11	8.7	5.3	7.1	7.5	4.8	6.2	15.2	10.1	12.6	11.2	8.7	9.9
12	7.9	4.3	6.6	10.2	6.6	8.2	15.4	10.6	13.1	11.5	7.6	9.3
13	5.7	3.7	4.7	10.5	6.3	8.5	15.0	11.5	13.5	13.8	9.2	11.3
14	8.1	5.4	6.7	9.6	7.8	8.6	14.0	9.4	12.1	15.8	11.2	13.3
15	8.3	6.0	7.1	9.0	6.9	8.0	12.7	7.2	9.6	16.4	13.0	14.3
16	7.1	6.0	6.6	9.8	5.6	7.6	11.6	9.6	10.8	14.7	12.5	13.1
17	7.0	3.2	5.8	9.6	6.5	8.2	13.6	10.1	11.6	15.0	11.7	13.1
18	6.4	3.2	4.6	10.6	6.2	8.3	12.7	10.2	11.5	15.9	13.2	14.4
19	6.6	3.1	4.9	8.8	4.2	7.0	11.2	9.2	10.0	17.3	12.8	14.9
20	7.2	4.4	5.9	5.5	2.9	4.1	15.0	9.2	11.7	18.3	13.2	15.5
21	9.8	6.9	8.2	7.7	2.0	5.0	15.8	11.3	13.2	16.6	11.3	14.0
22	9.9	6.8	8.1	9.8	4.9	7.5	16.9	12.6	14.3	14.7	9.8	12.1
23	8.0	6.2	7.2	10.5	6.8	8.6	15.4	12.8	13.9	12.8	7.7	9.8
24	7.5	3.7	5.8	11.2	7.0	9.1	14.6	10.5	12.3	11.0	7.3	8.7
25	5.7	3.1	4.3	11.4	7.7	9.7	16.7	11.0	13.4	13.1	7.4	9.2
26	6.3	3.2	4.8	14.0	9.4	11.5	17.2	12.4	14.5	10.5	7.2	8.7
27	7.7	5.3	6.6	14.2	9.7	11.9	18.6	13.5	15.6	12.2	6.6	8.9
28	7.4	5.6	6.4	12.4	9.6	11.5	16.9	13.5	15.3	12.6	8.5	10.0
29	8.7	4.6	6.7	11.9	7.3	9.6	14.3	8.9	10.8	12.4	7.8	9.6
30	---	---	---	9.8	5.8	8.1	13.5	8.4	10.8	12.4	7.3	9.4
31	---	---	---	10.5	5.5	8.1	---	---	---	11.4	7.4	9.2
MONTH	9.9	1.5	6.0	14.2	2.0	8.1	18.6	6.7	12.4	18.3	6.6	11.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.4	6.4	8.7	22.5	18.6	20.2	25.4	21.5	23.5	18.2	15.7	16.9
2	13.5	7.8	10.4	22.4	18.4	20.3	25.2	22.0	23.6	18.0	13.9	16.2
3	13.9	8.8	11.1	20.9	17.9	19.3	25.0	22.6	23.6	19.2	15.7	17.2
4	14.1	8.7	11.2	21.3	17.4	19.3	24.3	21.9	23.0	19.6	16.0	17.7
5	14.1	9.3	11.6	20.9	17.4	19.1	24.5	20.7	22.5	19.9	17.1	18.3
6	14.6	9.3	11.8	21.7	16.9	19.1	24.7	20.6	22.5	18.4	16.2	17.2
7	15.2	9.9	12.4	21.9	17.6	19.8	24.9	20.7	22.8	18.1	14.9	16.4
8	14.8	10.9	12.8	21.7	18.7	20.2	23.6	20.7	22.2	17.9	16.0	16.7
9	12.5	9.9	11.0	22.6	18.8	20.4	24.2	21.1	22.5	18.1	15.6	16.7
10	15.1	8.8	11.8	22.8	19.3	20.6	24.4	21.5	23.0	18.7	14.8	16.6
11	16.9	11.7	14.3	20.9	14.2	17.4	24.3	21.6	23.0	18.7	15.9	17.2
12	16.3	13.1	14.8	22.2	15.3	18.7	23.8	20.0	21.9	19.8	16.3	17.9
13	17.1	13.6	15.3	23.5	19.0	21.2	23.2	20.4	21.8	20.1	16.8	18.3
14	17.4	11.7	14.5	24.0	20.0	21.9	23.9	19.8	21.8	20.9	17.4	19.0
15	18.3	13.0	15.7	23.0	20.1	21.6	23.4	21.0	22.1	20.8	17.7	19.2
16	16.1	11.9	14.1	24.3	20.3	22.2	24.6	20.8	22.3	20.9	18.0	19.3
17	17.7	12.5	15.0	23.9	20.9	22.3	24.0	20.5	22.3	20.4	18.5	19.4
18	16.7	14.5	15.6	23.9	19.9	21.8	23.7	21.1	22.0	19.8	18.0	18.7
19	18.3	14.4	16.1	23.9	19.8	21.8	21.5	19.0	20.3	19.5	17.5	18.4
20	19.3	14.0	16.5	23.6	19.3	21.4	21.8	18.0	19.9	19.3	17.2	18.2
21	20.1	14.6	17.3	24.1	19.4	21.6	21.5	18.1	19.8	18.5	16.4	17.1
22	21.2	16.1	18.6	24.3	19.7	21.9	20.9	18.5	19.7	16.8	13.5	15.7
23	22.3	17.8	19.8	23.9	20.0	21.8	21.9	19.4	20.6	13.5	11.5	12.3
24	22.9	18.3	20.3	24.2	20.5	22.4	23.2	19.4	21.0	13.9	11.1	12.4
25	22.6	18.8	20.4	23.8	20.2	21.9	22.5	20.1	21.2	14.4	11.0	12.7
26	21.8	18.9	20.3	24.0	21.0	22.3	22.1	20.4	21.1	15.2	11.5	13.3
27	22.7	18.4	20.3	24.2	20.8	22.4	21.9	19.5	20.7	15.9	12.2	13.9
28	22.9	18.3	20.5	24.4	20.6	22.4	22.8	19.4	21.0	17.4	14.2	15.5
29	22.8	18.5	20.6	24.6	20.3	22.4	22.5	19.9	21.1	17.7	14.7	16.1
30	21.0	18.5	19.8	24.6	20.4	22.5	21.5	19.8	20.5	17.3	14.6	15.9
31	---	---	---	25.1	21.0	23.0	19.9	16.2	17.6	---	---	---
MONTH	22.9	6.4	15.4	25.1	14.2	21.1	25.4	16.2	21.6	20.9	11.0	16.7

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
26...	0940	ENVIRONMENTAL	6.2	83	7.5	8.1	970	13.0	320	76.6
26...	1301	FIELD BLANK	--	--	--	--	--	--	--	--
NOV										
19...	0940	ENVIRONMENTAL	3.0	94	10.0	8.2	1170	6.5	370	88.4
DEC										
23...	0910	ENVIRONMENTAL	3.2	90	11.4	8.2	1770	.2	430	101
JAN										
25...	1000	ENVIRONMENTAL	6.0	99	11.3	7.7	1560	3.3	230	57.4
FEB										
23...	1000	ENVIRONMENTAL	4.0	100	11.0	8.0	1370	5.0	340	80.3
MAR										
23...	1100	ENVIRONMENTAL	4.0	107	10.6	8.1	951	9.0	310	74.8
31...	1200	ENVIRONMENTAL	119	--	--	7.9	410	5.5	170	49.8
APR										
06...	1120	ENVIRONMENTAL	5.6	93	11.1	8.3	1020	8.0	290	69.7
13...	0850	ENVIRONMENTAL	4.4	83	9.6	8.2	928	8.9	280	65.5
20...	0950	ENVIRONMENTAL	28	89	8.1	8.3	1110	12.5	300	55.8
20...	1540	ENVIRONMENTAL	220	--	8.9	8.1	440	12.7	110	22.6
26...	1100	ENVIRONMENTAL	31	119	11.2	8.1	955	11.3	260	49.9
MAY										
06...	1040	ENVIRONMENTAL	56	112	11.2	8.4	860	8.9	240	50.1
11...	0910	ENVIRONMENTAL	51	102	10.6	8.2	775	7.1	220	45.5
18...	0940	ENVIRONMENTAL	44	106	9.8	8.3	910	12.0	250	50.3
27...	1300	ENVIRONMENTAL	252	108	10.3	7.8	320	10.7	91	21.9
27...	1316	FIELD BLANK	--	--	--	--	--	--	--	--
JUN										
03...	1300	ENVIRONMENTAL	229	104	10.4	8.1	265	8.0	80	20.5
10...	1230	ENVIRONMENTAL	178	112	11.1	8.3	355	8.9	110	25.4
15...	1050	ENVIRONMENTAL	298	109	10.5	8.2	300	9.7	87	20.2
21...	1050	ENVIRONMENTAL	298	107	10.2	8.2	290	10.5	85	19.3
29...	1200	ENVIRONMENTAL	143	108	10.0	8.1	330	11.6	94	21.3
JUL										
07...	1800	ENVIRONMENTAL	116	--	7.6	8.1	495	19.9	130	28.3
07...	1820	ENVIRONMENTAL	161	--	7.6	7.9	465	19.9	120	26.0
12...	1010	ENVIRONMENTAL	41	102	8.2	8.0	900	18.3	240	44.5
26...	1110	ENVIRONMENTAL	13	105	8.3	8.2	1080	19.7	280	52.3
AUG										
09...	1300	ENVIRONMENTAL	8.1	108	8.4	8.3	1170	20.0	310	61.1
31...	1410	ENVIRONMENTAL	15	113	8.9	8.3	880	19.5	220	42.2
SEP										
14...	1020	ENVIRONMENTAL	6.0	87	8.5	8.1	1170	17.0	330	62.5

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, 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)	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...	31.2	9.4	2	71.3	237	289	110	.5	10.8	88.9
26...	--	--	--	--	--	--	--	--	--	--
NOV										
19...	37.4	10.2	2	91.5	287	350	141	.5	9.6	105
DEC										
23...	43.7	10.5	4	176	311	380	307	.6	13.7	129
JAN										
25...	20.0	5.6	6	212	169	206	355	.3	7.9	62.5
FEB										
23...	32.8	9.1	4	150	237	290	240	.5	9.9	95.4
MAR										
23...	29.0	6.6	2	79.8	219	267	125	.4	6.2	84.2
31...	12.0	3.0	.5	14.6	137	167	21.9	.3	8.3	43.6
APR										
06...	28.1	6.6	2	88.2	216	264	151	.4	3.7	80.0
13...	28.5	7.1	2	70.1	208	253	122	.4	3.5	82.3
20...	38.7	10.9	3	106	200	244	151	.5	14.2	141
20...	12.3	4.1	2	45.9	74	90	62.8	.2	5.9	41.8
26...	32.0	9.1	2	91.2	186	227	128	.4	12.3	113
MAY										
06...	28.1	7.6	2	78.8	176	215	114	.4	11.7	99.8
11...	25.2	6.8	2	71.0	143	174	102	.5	9.8	87.2
18...	30.3	8.4	2	86.3	167	203	124	.6	9.1	110
27...	8.81	2.3	1	24.0	69	84	37.9	.3	6.8	32.1
27...	--	--	--	--	--	--	--	--	--	--
JUN										
03...	7.03	1.8	.9	18.3	67	--	28.1	.3	6.7	26.0
10...	10.5	2.7	1	26.6	77	94	37.0	.3	7.5	36.8
15...	8.97	2.5	1	23.1	64	78	31.0	.2	6.9	32.2
21...	8.81	2.5	1	21.5	62	76	30.8	.3	6.6	30.0
29...	9.80	2.7	1	24.3	71	86	34.4	.3	6.8	31.8
JUL										
07...	15.3	5.1	2	42.4	93	113	58.2	.3	8.4	53.4
07...	13.9	5.4	2	39.1	83	102	53.1	.3	7.5	50.9
12...	31.4	9.4	2	88.6	170	207	121	.4	14.6	115
26...	35.9	10.6	3	103	185	226	145	.5	13.3	138
AUG										
09...	39.0	12.7	3	110	219	268	160	.6	13.6	137
31...	27.2	8.4	2	77.1	--	--	108	.5	14.2	95.7
SEP										
14...	42.7	11.1	3	112	219	268	162	.6	17.1	141

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR 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										
26...	.020	.48	.55	1.46	.034	E.042	.046	.073	.80	9.89
26...	--	--	--	--	--	--	--	--	--	--
NOV										
19...	.045	.24	.27	1.18	.019	<.050	.063	<.050	.96	5.81
DEC										
23...	.106	.36	.29	1.83	.023	<.050	.062	E.038	1.40	8.88
JAN										
25...	.044	.20	.27	1.12	.025	.017	.026	.043	1.20	14.3
FEB										
23...	.059	.21	.32	1.27	.022	.014	.022	.064	1.09	8.62
MAR										
23...	<.020	.25	.36	.744	.017	.018	.025	.063	.77	6.10
31...	.067	.23	2.2	.241	<.010	.007	.010	.557	.34	81.0
APR										
06...	<.020	.23	.28	.827	.016	.015	.033	.029	.80	8.92
13...	.025	.19	.28	.725	<.010	.019	.038	.044	.74	6.50
20...	<.020	.34	1.1	.485	.010	.012	<.010	.157	.92	51.0
20...	.343	1.0	4.8	.392	.034	.052	.028	1.10	.36	156
26...	.026	.29	.50	.418	<.010	.012	.021	.068	.79	47.9
MAY										
06...	<.020	.23	.28	.827	.016	.015	.033	.029	.70	76.9
11...	.045	.21	.33	.483	<.010	.006	.017	.038	.64	65.3
18...	<.020	.23	.42	.414	<.010	.009	.019	.046	.75	65.1
27...	.035	.13	.36	.327	<.010	.005	.015	.066	.27	135
27...	--	--	--	--	--	--	--	--	--	--
JUN										
03...	.030	.14	.26	.281	<.010	.008	.017	.048	.22	100
10...	<.020	.13	.32	.310	<.010	.008	.014	.063	.29	103
15...	<.020	.12	.31	.259	<.010	.006	.014	.062	.23	138
21...	<.020	.14	.25	.245	<.010	.006	<.010	.047	.24	145
29...	<.020	E.10	.20	.246	<.010	.007	.022	.038	.28	78.8
JUL										
07...	.284	.41	1.9	.568	.016	.101	.078	.377	.39	90.2
07...	.359	.16	2.4	.614	.020	.108	.083	.477	.37	117
12...	.022	.31	--	.280	<.010	.019	<.010	.081	.73	60.0
26...	<.020	.29	.66	.455	<.010	.022	.016	.086	.87	23.2
AUG										
09...	<.020	.44	.70	.537	.010	.043	.034	.099	.94	15.1
31...	<.020	.30	.48	.426	<.010	.027	.019	.084	.64	19.1
SEP										
14...	<.020	.69	1.3	.819	<.010	.037	.033	.125	.95	11.4

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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 PARTIC-ULATE 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...	588	547	--	50	45	7.9	.8	.78	46	--
26...	--	--	--	--	--	<.10	<.2	--	--	--
NOV										
19...	708	662	--	30	54	3.4	.4	.29	36	--
DEC										
23...	1030	977	--	30	104	2.5	--	.90	104	--
JAN										
25...	882	827	--	20	76	2.8	.5	.16	10	--
FEB										
23...	798	766	--	10	80	3.4	.5	.11	10	--
MAR										
23...	565	542	--	90	56	4.2	.6	.42	38	--
31...	252	237	--	E10	22	2.7	--	112	348	61
APR										
06...	590	562	--	70	50	2.7	.2	.62	41	54
13...	547	508	--	130	53	2.8	.3	.12	10	45
20...	680	641	--	<10	15	3.9	>5.0	3.8	50	79
20...	262	242	--	20	18	9.8	>5.0	199	335	83
26...	580	550	--	<10	14	3.9	1.4	2.7	32	77
MAY										
06...	512	500	--	<10	13	2.7	.2	4.1	28	75
11...	474	436	--	<10	12	2.9	.6	3.9	28	83
18...	548	521	--	<10	15	3.4	1.3	2.7	23	39
27...	198	177	--	E10	5	2.2	1.3	24	36	63
27...	--	--	--	--	--	<.10	<.2	--	--	--
JUN										
03...	162	150	--	E10	5	2.5	1.1	15	25	60
10...	214	194	--	E10	5	2.0	1.0	13	27	48
15...	171	165	--	<10	3	2.1	.9	33	41	63
21...	180	158	--	<10	3	1.9	.7	27	33	48
29...	204	175	--	<10	6	1.6	.9	8.1	21	60
JUL										
07...	288	270	--	30	21	--	--	102	327	39
07...	270	250	--	30	23	--	--	376	864	76
12...	537	528	20	<10	13	3.7	1.2	4.6	41	92
26...	641	611	3.7	<10	20	4.2	1.3	1.2	33	90
AUG										
09...	692	668	4.8	E10	30	4.8	.9	.46	21	84
31...	472	466	8.4	<10	16	4.0	1.2	--	--	--
SEP										
14...	702	684	6.7	E10	35	4.2	2.0	.41	25	67

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)
OCT										
26...	0940	ENVIRONMENTAL	V2	2	245	112	<1	--	<1.0	3.0
26...	1300	FIELD BLANK	<1	<1	--	<1	<1	<2	<.3	<.2
NOV										
19...	0940	ENVIRONMENTAL	V2	2	202	144	<1	--	<1.0	<1.0
DEC										
23...	0910	ENVIRONMENTAL	V8	2	284	161	<1	--	<1.0	3.8
JAN										
25...	1000	ENVIRONMENTAL	V3	1	112	97	<1	--	<1.0	7.9
FEB										
23...	1000	ENVIRONMENTAL	V3	5	155	125	<1	--	<1.0	9.9
MAR										
23...	1100	ENVIRONMENTAL	V4	1	157	114	<1	--	<1.0	<1.0
31...	1200	ENVIRONMENTAL	V5	<1	6.7	80	<1	--	<1.0	<1.0
APR										
06...	1120	ENVIRONMENTAL	V3	1	158	113	<1	--	<1.0	<1.0
13...	0850	ENVIRONMENTAL	V11	1	171	116	<1	--	<1.0	<1.0
20...	0950	ENVIRONMENTAL	V10	<1	35.0	105	<1	--	<1.0	<1.0
20...	1540	ENVIRONMENTAL	V8	1	8.0	41	<1	--	<1.0	1.4
26...	1100	ENVIRONMENTAL	V19	<1	31.6	80	<1	--	<1.0	<1.0
MAY										
06...	1040	ENVIRONMENTAL	V3	<1	29.9	87	<1	--	<1.0	<1.0
11...	0910	ENVIRONMENTAL	V3	<1	28.9	81	<1	--	<1.0	<1.0
18...	0940	ENVIRONMENTAL	V3	<1	36.0	86	<1	--	<1.0	<1.0
27...	1300	ENVIRONMENTAL	V15	<1	4.7	43	<1	--	<1.0	<1.0
JUN										
03...	1300	ENVIRONMENTAL	V15	<1	5.7	40	<1	--	<1.0	<1.0
10...	1230	ENVIRONMENTAL	V11	<1	5.6	44	<1	--	<1.0	<1.0
15...	1050	ENVIRONMENTAL	V15	<1	6.0	37	<1	--	<1.0	<1.0
21...	1050	ENVIRONMENTAL	V14	<1	5.2	36	<1	--	<1.0	<1.0
29...	1200	ENVIRONMENTAL	V12	<1	6.7	40	<1	--	<1.0	<1.0
JUL										
07...	1800	ENVIRONMENTAL	V23	1	7.2	66	<1	--	<1.0	<1.0
07...	1820	ENVIRONMENTAL	V23	2	5.2	59	<1	--	<1.0	<1.0
12...	1010	ENVIRONMENTAL	V12	<1	28.2	79	<1	--	<1.0	<1.0
26...	1110	ENVIRONMENTAL	V7	<1	61.0	97	<1	--	<1.0	<1.0
AUG										
09...	1300	ENVIRONMENTAL	V2	1	87.3	106	<1	--	<1.0	<1.0
31...	1410	ENVIRONMENTAL	V6	1	42.5	77	<1	--	<1.0	<1.0
SEP										
14...	1020	ENVIRONMENTAL	V2	<1	103	108	<1	--	<1.0	<1.0

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
OCT											
26...	<1	5	1	10	1	4.1	<1	--	--	V24	16
26...	<1	1	<1	<1	<1	--	<1	<.1	<.1	15	<1
NOV											
19...	<1	2	<1	11	1	3.5	<1	--	--	V30	20
DEC											
23...	<1	2	<1	14	2	6.0	<1	--	--	V18	22
JAN											
25...	<1	2	<1	7	2	1.9	<1	--	--	V28	12
FEB											
23...	<1	3	1	13	3	5.9	<1	--	--	V35	19
MAR											
23...	<1	3	1	9	2	2.2	<1	--	--	V12	15
31...	<1	1	<1	2	1	<1.0	<1	--	--	V4	3
APR											
06...	<1	2	<1	8	2	2.3	<1	--	--	V16	19
13...	<1	2	1	9	3	2.5	<1	--	--	V14	19
20...	<1	2	<1	6	3	1.0	<1	--	--	V6	8
20...	<1	3	<1	3	2	1.0	<1	--	--	V12	3
26...	<1	2	<1	5	2	1.4	<1	--	--	V10	7
MAY											
06...	<1	2	<1	5	1	1.8	<1	--	--	V8	9
11...	<1	2	<1	5	1	1.0	<1	--	--	V10	8
18...	<1	1	<1	5	1	1.0	<1	--	--	V6	8
27...	<1	6	<1	3	<1	<1.0	<1	--	--	V40	2
JUN											
03...	<1	5	<1	3	<1	<1.0	<1	--	--	V23	2
10...	<1	3	<1	4	<1	<1.0	<1	--	--	V19	3
15...	<1	3	<1	3	<1	<1.0	<1	--	--	V18	2
21...	<1	3	<1	4	<1	<1.0	<1	--	--	V14	2
29...	<1	2	<1	4	<1	<1.0	<1	--	--	V15	2
JUL											
07...	<1	4	<1	4	1	<1.0	<1	--	--	V19	3
07...	<1	5	<1	4	1	<1.0	<1	--	--	V21	3
12...	<1	2	<1	5	1	<1.0	<1	--	--	V13	5
26...	<1	2	<1	7	2	1.4	<1	--	--	V6	7
AUG											
09...	<1	2	<1	8	2	<1.0	<1	--	--	V4	8
31...	<1	2	<1	6	2	<1.0	<1	--	--	V3	6
SEP											
14...	<1	2	<1	8	2	1.0	<1	--	--	V7	10

10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°37'26", long 111°45'05", in NW¼SE¼SW¼ sec. 20, T. 2 S., R. 2 E., Salt Lake County, Hydrologic Unit 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.--16 years, 26.7 ft^3/s, 19,340 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 most years.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	21	16	14	12	12	22	53	55	34	20	25
2	16	19	17	14	12	12	30	53	55	33	24	25
3	16	19	16	14	12	13	30	21	55	32	26	24
4	16	18	16	14	12	12	27	46	55	28	26	24
5	16	19	16	13	12	12	25	45	55	26	25	24
6	16	19	16	13	12	13	26	43	54	26	24	19
7	16	18	16	13	12	14	26	44	55	26	24	15
8	16	18	16	12	11	14	26	50	55	26	24	14
9	16	18	16	12	10	15	24	53	55	27	24	14
10	17	18	16	12	12	15	24	53	54	26	23	14
11	18	17	16	12	12	15	23	53	52	25	23	15
12	19	17	15	12	12	14	22	53	30	24	23	21
13	19	17	14	13	12	14	22	53	21	24	24	22
14	19	17	14	13	12	14	22	54	47	23	23	22
15	18	17	15	13	11	13	23	54	44	23	22	24
16	18	17	15	9.0	11	14	26	54	46	22	22	24
17	18	15	15	12	12	14	31	54	45	21	23	25
18	18	15	15	11	12	14	42	53	45	21	23	24
19	18	16	12	12	12	14	48	54	44	20	22	22
20	17	16	15	12	12	16	51	54	44	20	20	21
21	18	16	15	12	12	18	48	52	45	19	27	20
22	18	16	15	12	12	21	46	50	44	19	29	16
23	18	15	14	12	12	22	41	50	43	19	26	13
24	18	15	14	12	12	23	39	54	41	18	26	12
25	18	15	14	12	12	24	41	55	40	18	25	12
26	17	15	14	12	12	25	49	55	36	18	25	12
27	17	15	14	12	12	24	54	52	35	18	25	12
28	18	15	14	12	12	24	52	55	38	17	24	12
29	18	15	14	11	---	23	43	55	38	17	25	12
30	19	15	14	13	---	22	52	55	35	17	25	12
31	21	---	14	10	---	22	---	50	---	18	25	---
TOTAL	544	503	463	380.0	331	522	1035	1580	1361	705	747	551
MEAN	17.5	16.8	14.9	12.3	11.8	16.8	34.5	51.0	45.4	22.7	24.1	18.4
MAX	21	21	17	14	12	25	54	55	55	34	29	25
MIN	16	15	12	9.0	10	12	22	21	21	17	20	12
AC-FT	1080	998	918	754	657	1040	2050	3130	2700	1400	1480	1090

CAL YR 2000 TOTAL 9683.68 MEAN 26.5 MAX 53 MIN .10 AC-FT 19210
WTR YR 2001 TOTAL 8722.0 MEAN 23.9 MAX 55 MIN 9.0 AC-FT 17300

10170500 SURPLUS CANAL AT SALT LAKE CITY, UT

LOCATION.--Lat 40°43'37", long 111°55'33", in SE¼SW¼SW¼ 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 ft³/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 daily discharge, 916 ft³/s, May 17; minimum daily discharge, 89 ft³/s, Dec 3, Jan 3.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	305	100	95	132	142	175	309	349	214	196	248
2	167	188	e95	92	131	140	237	331	377	194	183	230
3	174	161	e89	89	134	208	192	297	384	183	e222	237
4	178	159	92	90	134	157	184	257	346	207	e283	242
5	163	191	e96	91	135	143	256	209	305	209	e214	228
6	165	200	e96	96	134	142	275	182	254	e232	e221	240
7	165	182	93	97	185	138	235	181	225	e296	e227	226
8	174	148	93	99	175	136	312	183	210	228	e231	263
9	193	272	94	98	164	141	224	253	245	375	e220	274
10	286	239	138	92	177	157	175	365	244	e449	e222	272
11	780	203	132	101	183	267	167	368	227	e339	e228	253
12	397	192	114	144	181	215	305	377	491	288	e219	255
13	276	179	109	114	178	211	262	454	763	229	e241	269
14	256	172	112	106	174	147	222	459	415	e204	223	276
15	240	196	164	110	176	144	195	546	274	e190	242	276
16	263	179	128	102	180	274	175	e671	233	188	219	286
17	241	207	115	92	182	241	146	e916	216	176	218	312
18	158	196	114	91	182	188	141	e694	250	145	205	277
19	142	158	98	104	188	168	174	567	254	145	201	261
20	136	138	93	118	182	150	183	509	264	137	215	258
21	184	123	e95	115	177	152	201	457	253	126	603	247
22	138	e139	e96	117	174	152	220	413	246	125	583	245
23	143	136	98	117	236	139	160	398	245	144	e311	238
24	129	121	108	127	200	135	143	395	275	142	e300	234
25	127	116	110	152	170	125	130	419	268	151	271	219
26	122	116	102	140	160	128	122	476	224	e149	249	184
27	286	115	99	136	150	126	143	487	226	e169	240	174
28	276	115	98	139	133	149	173	467	232	e185	221	177
29	194	e111	95	137	---	380	270	425	215	e184	228	174
30	383	120	95	137	---	207	278	398	e219	e188	223	167
31	357	---	96	132	---	181	---	347	---	e188	238	---
TOTAL	7042	5077	3257	3470	4707	5383	6075	12810	8729	6379	7897	7242
MEAN	227	169	105	112	168	174	202	413	291	206	255	241
MAX	780	305	164	152	236	380	312	916	763	449	603	312
MIN	122	111	89	89	131	125	122	181	210	125	183	167
AC-FT	13970	10070	6460	6880	9340	10680	12050	25410	17310	12650	15660	14360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	278	289	305	335	414	452	513	629	682	373	277	282
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	166450		78068			
ANNUAL MEAN	455		214		402	
HIGHEST ANNUAL MEAN					1968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	1670	May 26	916	May 17	4250	Jun 1 1984
LOWEST DAILY MEAN	89	Dec 3	89	Dec 3	.00	Jan 21 1963
ANNUAL SEVEN-DAY MINIMUM	93	Dec 3	93	Dec 30	.00	Jan 21 1963
ANNUAL RUNOFF (AC-FT)	330200		154800		291100	
10 PERCENT EXCEEDS	1170		348		1060	
50 PERCENT EXCEEDS	230		185		204	
90 PERCENT EXCEEDS	122		107		82	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT

LOCATION.--Lat 40°44'01", long 111°55'21", in SW¼SE¼NW¼ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at 1700 South Street and about 1000 West, Salt Lake City, 4,000 ft downstream from diversion structure at head of Surplus Canal, and 1.7 mi downstream from Mill Creek.

DRAINAGE AREA.--3,438 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, 195 ft^3/s, Jul 9, gage height, 3.53 ft; minimum daily discharge, 45 ft^3/s, Jun 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	131	146	141	118	124	133	123	140	132	117	102
2	144	140	143	141	118	122	139	128	139	130	118	101
3	144	143	143	141	118	127	130	129	138	133	118	103
4	144	143	145	141	117	124	131	127	137	138	118	99
5	143	145	147	141	119	123	133	127	136	137	119	117
6	143	148	146	142	120	123	134	127	136	139	119	116
7	143	147	145	142	116	123	135	127	135	148	119	115
8	143	145	145	144	92	123	118	e126	133	140	117	115
9	145	156	145	144	90	123	117	e128	131	150	112	115
10	133	154	150	143	91	123	140	e127	129	137	111	116
11	123	150	148	144	91	121	139	e130	131	132	111	115
12	114	151	147	150	91	88	131	e139	117	135	111	112
13	121	151	146	145	93	66	109	e142	45	134	110	113
14	120	152	147	146	87	107	108	e144	108	137	110	112
15	124	159	152	145	81	131	111	e146	136	135	106	111
16	129	158	147	144	82	127	123	e151	135	134	106	112
17	129	156	145	142	81	118	121	e139	133	131	108	114
18	126	153	145	140	80	120	123	e136	134	127	113	113
19	126	151	143	132	81	125	113	e128	130	127	113	112
20	126	150	142	126	81	128	119	e128	127	126	114	112
21	130	148	142	126	81	128	121	e128	127	122	111	115
22	126	149	143	126	79	129	120	e121	126	119	87	114
23	126	149	142	122	96	129	119	e120	127	117	95	113
24	126	149	144	116	118	129	117	e125	129	113	93	114
25	129	148	145	119	115	129	117	e130	132	110	104	114
26	131	149	143	118	113	129	119	e133	130	111	113	111
27	135	148	142	117	115	128	120	e137	131	112	113	110
28	127	148	142	118	124	131	120	e141	132	113	112	111
29	129	148	142	118	---	139	122	e145	132	114	100	110
30	143	150	141	118	---	134	122	143	134	116	101	110
31	127	---	142	119	---	135	---	141	---	117	102	---
TOTAL	4094	4469	4485	4151	2788	3806	3704	4116	3850	3966	3401	3347
MEAN	132	149	145	134	99.6	123	123	133	128	128	110	112
MAX	145	159	152	150	124	139	140	151	140	150	119	117
MIN	114	131	141	116	79	66	108	120	45	110	87	99
AC-FT	8120	8860	8900	8230	5530	7550	7350	8160	7640	7870	6750	6640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2001, BY WATER YEAR (WY)

MEAN	158	146	145	146	148	137	121	113	143	155	152	160
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1944 - 2001	
ANNUAL TOTAL	46125.8		46177			
ANNUAL MEAN	126		127		144	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	177	Jul 10	159	Nov 15	337	Jun 25 1952
LOWEST DAILY MEAN	6.7	Feb 9	45	Jun 13	.00	May 10 1952
ANNUAL SEVEN-DAY MINIMUM	8.9	Jan 28	81	Feb 16	.00	May 14 1964
ANNUAL RUNOFF (AC-FT)	91490		91590		104100	
10 PERCENT EXCEEDS	159		146		194	
50 PERCENT EXCEEDS	142		127		143	
90 PERCENT EXCEEDS	48		109		93	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1974 to September 1994, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1978, October 1980 to September 1981, October 1998 to current year.
WATER TEMPERATURE: April 1975 to September 1978, October 1980 to September 1981, October 1998 to current year.

INSTRUMENTATION.--Temperature/conductivity data logger.

REMARKS.--Specific conductivity and temperature records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,970 microsiemens, Dec 16, 2000; minimum, 536 microsiemens, Jun 25, 1978.
WATER TEMPERATURE: Maximum, 28.0°C, Aug 29, 30, 1975; minimum, 0.5°C, Jan 2, 3, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,970 microsiemens, Dec 16; minimum, 584 microsiemens, May 16.
WATER TEMPERATURE: Maximum, 25.3°C, Aug 8; minimum recorded, 5.2°C, Jan 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
23...	1200	123	85	7.5	8.1	1620	14.0	440	101	45.5	13.3	3	157
NOV													
27...	1100	143	81	7.9	7.8	1720	10.1	470	110	46.5	13.3	4	175
DEC													
18...	1140	142	93	9.6	7.6	1860	7.9	470	112	45.7	12.7	4	207
JAN													
17...	1150	140	83	9.0	7.6	1810	6.0	460	108	44.6	13.8	4	188
FEB													
21...	1400	79	88	8.2	8.1	1630	11.6	420	99.2	41.8	12.8	4	170
MAR													
28...	1300	131	88	8.0	7.8	1660	12.4	420	100	41.5	13.1	4	167
APR													
16...	1030	126	85	7.7	7.9	1690	12.8	450	103	46.8	13.2	3	170
MAY													
24...	1000	138	97	8.6	7.8	937	13.6	250	55.8	25.8	7.35	2	85.1
JUN													
21...	1130	127	82	6.2	7.7	1630	19.1	450	100	48.0	14.2	3	162
JUL													
24...	1100	109	84	6.4	7.8	1680	20.9	440	94.3	50.2	14.9	4	179
AUG													
29...	0920	84	65	5.0	7.8	1780	20.8	450	94.2	51.1	17.8	4	191
SEP													
20...	0840	88	65	5.3	7.9	1750	17.9	440	92.2	50.9	14.9	4	189

DATE	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)	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)
OCT													
23...	238	291	211	.9	22.5	238	.127	.60	.91	4.06	.023	1.23	1.01
NOV													
27...	257	314	236	1.0	21.5	260	.636	1.2	1.6	2.98	.110	1.18	1.07
DEC													
18...	249	304	301	.9	21.7	256	.334	.89	.88	3.67	.069	1.03	1.03
JAN													
17...	247	301	277	1.0	21.1	256	2.00	2.6	2.9	4.99	.142	1.12	1.02
FEB													
21...	250	305	240	1.1	18.8	224	3.88	4.5	5.0	4.74	.156	1.43	1.31
MAR													
28...	241	294	237	1.0	17.3	226	.492	1.2	1.4	3.62	.053	1.26	1.05
APR													
16...	237	289	240	.9	17.0	253	.119	.64	.81	2.78	.031	.811	.741
MAY													
24...	144	176	121	.5	12.2	127	.085	.35	.70	1.48	.017	.308	.293
JUN													
21...	242	296	226	.9	19.3	243	.459	.88	1.2	3.02	.144	.764	.769
JUL													
24...	234	286	249	.9	16.4	251	.137	.73	1.3	3.12	.139	1.04	1.01
AUG													
29...	241	294	272	.8	17.5	271	E.648	1.2	1.6	E3.14	E.290	.925	E.860
SEP													
20...	240	292	275	1.1	18.3	264	.335	.95	1.4	3.10	.263	.790	.753

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT 23...	1.28	1.35	331	996	955	10	27.4	18	55
NOV 27...	1.30	1.49	422	1090	1040	20	40.8	9.7	25
DEC 18...	1.10	1.61	454	1180	1130	20	43.9	6.5	17
JAN 17...	1.20	1.54	429	1130	1090	30	50.5	3.8	10
FEB 21...	1.57	1.37	216	1010	988	30	42.7	2.4	11
MAR 28...	1.29	1.39	361	1020	968	30	41.1	5.3	15
APR 16...	.877	1.47	369	1080	1000	20	41.1	5.8	17
MAY 24...	.485	.78	212	570	529	10	21.3	14	38
JUN 21...	.842	1.39	350	1020	976	20	31.2	9.6	28
JUL 24...	1.22	1.44	311	1060	1010	20	28.1	7.4	25
AUG 29...	1.05	1.50	251	1100	1060	20	28.7	6.8	30
SEP 20...	.876	1.47	258	1080	1070	20	23.6	5.0	21

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)
OCT 23...	1200	12	.56	9.7	50.9	<.06	365	.10	<.8	.37	2.6	.42	105
NOV 27...	1100	5	.61	9.0	49.9	<.06	335	.10	E.4	.40	3.1	.53	106
DEC 18...	1140	4	.64	9.6	53.5	<.06	354	.14	.9	.43	2.5	.45	100
JAN 17...	1150	6	.65	9.8	47.8	<.06	354	.13	.9	.49	3.1	.59	108

DATE	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 23...	11.0	.46	2.2	<1.0	893	<.04	4.1	17	8.62
NOV 27...	10.3	.69	2.5	<1.0	964	<.04	4.1	17	9.66
DEC 18...	10.1	1.09	2.2	<1.0	983	E.04	5.5	19	9.48
JAN 17...	10.7	1.18	3.0	<1.0	949	.07	7.0	29	9.86

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	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)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
OCT													
23...	1200	<.002	<.004	<.002	<.005	.017	<.010	<.002	E.008	<.020	<.005	<.018	<.003
NOV													
27...	1100	<.002	<.004	<.002	<.005	.015	<.010	<.002	<.041	<.020	<.005	<.018	<.003
DEC													
18...	1140	<.002	<.004	<.002	<.005	.014	<.010	<.002	E.006	<.020	<.005	<.018	<.003
JAN													
17...	1150	<.002	<.004	<.002	<.005	.015	<.010	<.002	<.041	<.020	<.005	<.018	<.003
FEB													
21...	1400	<.002	<.004	<.002	<.005	.013	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAR													
28...	1300	<.002	<.004	<.002	<.005	.014	<.010	<.002	E.016	<.020	<.005	<.018	<.003
APR													
16...	1030	<.002	<.004	<.002	<.005	.014	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAY													
24...	1000	<.002	<.004	<.002	<.005	.011	<.010	<.002	E.004	<.020	<.005	<.018	<.003
JUN													
21...	1130	<.002	<.004	<.002	<.005	.023	<.010	<.002	E.009	<.020	<.005	<.018	<.003
JUL													
24...	1100	<.002	<.004	<.002	<.005	.020	<.010	<.002	E.026	<.020	<.005	<.018	<.003
AUG													
29...	0920	<.002	<.004	<.002	<.005	.015	<.010	<.002	<.041	<.020	<.005	<.018	<.003
SEP													
20...	0840	<.002	<.004	<.002	<.005	.018	<.010	<.002	E.022	<.020	<.005	<.018	<.003

DATE	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP 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 DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)
OCT													
23...	E.018	111	.005	<.005	<.021	<.002	<.009	<.005	<.003	108	<.004	<.035	<.027
NOV													
27...	E.015	107	.010	<.005	<.021	<.002	<.009	<.005	<.003	95	<.004	<.035	<.027
DEC													
18...	E.015	97	.006	<.005	<.021	<.002	<.009	<.005	<.003	107	<.013	<.035	<.027
JAN													
17...	E.013	101	<.005	<.005	<.021	<.010	<.009	<.005	<.003	80	<.005	<.035	<.027
FEB													
21...	E.010	101	.007	<.005	<.021	<.002	<.009	<.005	<.003	92	<.004	<.035	<.027
MAR													
28...	E.011	90	.060	<.005	<.021	<.002	<.009	<.005	<.003	82	<.004	<.035	<.027
APR													
16...	E.010	99	.017	<.005	<.021	<.002	<.009	<.005	<.003	74	<.004	<.035	<.027
MAY													
24...	E.005	120	.010	<.005	<.021	<.200	<.009	<.005	<.003	80	<.004	<.035	<.027
JUN													
21...	E.012	105	.018	<.005	<.021	<.002	<.009	<.005	<.003	89	<.004	<.035	<.027
JUL													
24...	E.006	123	.022	<.005	<.021	<.010	<.009	<.005	<.003	102	<.004	<.035	<.027
AUG													
29...	E.010	108	.032	<.005	<.021	<.002	<.009	<.005	<.003	92	<.004	<.035	<.027
SEP													
20...	E.009	117	.011	<.005	<.021	<.002	<.009	<.005	<.003	96	<.004	<.035	<.027

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
OCT													
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.049
NOV													
27...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.017
DEC													
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.020
JAN													
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.024
FEB													
21...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.017
MAR													
28...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.024
APR													
16...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.020	<.006	<.011	.023
MAY													
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.017
JUN													
21...	<.050	<.006	E.002	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.034
JUL													
24...	<.050	<.006	E.006	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.033
AUG													
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.021
SEP													
20...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	.026

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	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)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	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)
OCT												
23...	<.004	<.010	E.009	<.023	E.006	E.016	<.034	<.017	E.029	<.005	<.002	<.009
NOV												
27...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	--	<.005	<.002	<.009
DEC												
18...	<.004	<.010	<.011	<.023	E.003	E.013	<.034	<.017	E.004	<.005	<.002	<.009
JAN												
17...	<.004	<.010	<.011	<.023	<.011	.017	<.034	<.017	--	<.005	<.002	<.009
FEB												
21...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	--	<.005	<.002	<.009
MAR												
28...	<.004	<.010	<.011	<.023	<.011	E.015	<.034	<.017	--	<.005	<.002	<.009
APR												
16...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	E.012	<.005	<.002	<.009
MAY												
24...	<.004	<.010	<.011	<.023	E.009	<.016	<.034	<.017	E.027	<.005	<.002	<.009
JUN												
21...	<.004	<.010	<.011	<.023	E.010	<.016	<.034	<.017	E.050	<.005	<.002	<.009
JUL												
24...	<.004	<.010	<.011	<.023	.019	<.016	<.034	<.017	E.085	<.005	<.002	<.009
AUG												
29...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	--	<.005	<.002	<.009
SEP												
20...	<.004	<.010	<.011	<.023	E.008	E.015	<.034	<.017	E.186	<.005	<.002	<.009

E Estimated value.
< Actual value is known to be less than the value shown.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	1530	1370	1450	1760	1650	1710	1650	1520	1600
2	---	---	---	1680	1510	1610	1730	1600	1690	1680	1530	1610
3	---	---	---	1760	1640	1700	1700	1560	1650	1710	1600	1660
4	---	---	---	1740	1620	1690	1740	1620	1670	1730	1610	1670
5	---	---	---	1690	1590	1650	1760	1650	1700	1760	1610	1690
6	---	---	---	1680	1580	1640	1780	1620	1710	1730	1590	1690
7	---	---	---	1780	1660	1720	1800	1670	1740	1710	1540	1650
8	---	---	---	1740	1610	1690	1760	1640	1720	1730	1590	1660
9	---	---	---	2510	1670	2030	1780	1670	1730	1720	1540	1650
10	---	---	---	2640	2050	2290	1820	1580	1690	1880	1590	1710
11	---	---	---	2410	1820	2130	2930	1820	2150	1870	1680	1770
12	---	---	---	2260	1810	1940	2960	2190	2560	1880	1670	1820
13	---	---	---	2270	1820	2010	2330	2160	2240	1870	1660	1750
14	---	---	---	1900	1750	1830	2380	1890	2140	1900	1610	1760
15	---	---	---	2740	1770	2090	2800	1860	2160	1900	1690	1790
16	---	---	---	2790	2200	2490	2970	2000	2500	2120	1780	1900
17	---	---	---	2200	1860	2040	2010	1760	1910	2000	1760	1820
18	---	---	---	1900	1770	1850	1930	1770	1870	1900	1730	1820
19	---	---	---	1860	1690	1800	1880	1770	1820	1840	1710	1780
20	---	---	---	1840	1700	1780	1840	1700	1770	1990	1740	1820
21	---	---	---	2000	1780	1900	1790	1680	1740	1990	1680	1830
22	---	---	---	1900	1740	1830	1770	1650	1720	1760	1580	1690
23	---	---	---	1840	1690	1790	1760	1640	1710	1760	1650	1700
24	---	---	---	1790	1650	1740	1780	1570	1670	1740	1600	1680
25	---	---	---	1790	1670	1750	2060	1780	1960	2170	1630	1790
26	1740	1620	1680	1770	1620	1710	2050	1750	1880	2380	1830	2090
27	1680	1320	1500	1750	1600	1690	1820	1710	1770	1880	1720	1810
28	1520	1360	1470	1720	1590	1680	1770	1640	1710	1730	1520	1650
29	1650	1470	1540	1740	1640	1690	1770	1660	1710	1740	1570	1640
30	1590	1250	1420	1810	1660	1730	1720	1580	1680	2450	1640	1830
31	1450	1270	1390	---	---	---	1680	1540	1640	2400	1850	2080
MONTH	1740	1250	1500	2790	1370	1830	2970	1540	1850	2450	1520	1760

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1890	1660	1810	1840	1660	1720	1670	1570	1640	1190	1010	1080
2	1830	1630	1730	1740	1600	1690	1650	1280	1510	1130	1000	1060
3	1760	1620	1710	1700	1520	1620	1620	1430	1550	1130	1010	1090
4	1700	1560	1630	1740	1580	1650	1620	1530	1590	1260	1060	1140
5	1700	1570	1650	1720	1580	1670	1580	1350	1450	1400	1260	1320
6	1730	1550	1650	1730	1620	1690	1360	1240	1310	1400	1310	1370
7	2660	1630	2260	1730	1600	1680	1410	1330	1380	1400	1280	1340
8	2530	2000	2270	1730	1590	1670	1360	1200	1240	1380	1230	1310
9	2220	1810	2060	1730	1580	1660	1640	1200	1320	1350	1180	1250
10	2000	1670	1820	1700	1560	1640	1740	1550	1660	1250	1000	1080
11	1800	1610	1710	1690	1270	1480	1750	1580	1680	1090	936	1000
12	1750	1580	1690	1640	1360	1540	1830	1380	1620	1040	872	945
13	1930	1670	1780	1720	1620	1670	1860	1580	1690	983	749	838
14	1840	1680	1770	1720	1600	1670	1740	1560	1680	903	810	854
15	1790	1660	1730	1740	1580	1670	1740	1570	1640	890	725	781
16	1820	1660	1740	1740	1500	1640	1720	1540	1640	804	584	648
17	1770	1650	1730	1810	1530	1690	1650	1550	1600	751	590	663
18	1730	1550	1650	1800	1640	1730	1620	1530	1580	818	691	748
19	1760	1550	1680	1720	1580	1670	1570	1460	1520	882	768	814
20	1740	1590	1660	1700	1570	1660	1530	1410	1470	913	758	821
21	1720	1560	1670	1760	1600	1670	1460	1370	1410	949	843	886
22	1670	1560	1630	1780	1670	1740	1430	1240	1330	1070	945	993
23	1880	1580	1660	1780	1660	1730	1490	1370	1410	1010	929	963
24	1980	1770	1870	1760	1660	1710	1530	1430	1480	998	907	946
25	1810	1610	1740	1730	1600	1680	1540	1450	1500	982	863	912
26	1720	1590	1670	1710	1600	1670	1540	1460	1510	934	791	844
27	1740	1640	1690	1730	1570	1650	1540	1480	1520	907	808	847
28	1740	1620	1690	1750	1540	1690	1500	1320	1420	972	854	897
29	---	---	---	1670	1050	1350	1390	1090	1200	1010	898	939
30	---	---	---	1620	1380	1550	1200	1020	1100	1040	913	956
31	---	---	---	1700	1580	1650	---	---	---	1080	966	1010
MONTH	2660	1550	1760	1840	1050	1650	1860	1020	1490	1400	584	979

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SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1100	969	1030	1590	1490	1550	1740	1670	1700	1730	1630	1690
2	1120	990	1050	1590	1500	1550	1710	1600	1670	1730	1620	1690
3	1140	1030	1070	1590	1500	1550	1710	1620	1670	1710	1600	1680
4	1230	1090	1140	1650	1510	1560	1700	1560	1660	1720	1610	1680
5	1310	1220	1240	1650	1540	1610	1680	1600	1650	1730	1530	1660
6	1360	1280	1320	1620	1500	1590	1690	1600	1660	1700	1630	1670
7	1390	1290	1350	1600	1400	1530	1720	1640	1690	1710	1620	1680
8	1380	1250	1320	1600	1500	1560	1730	1640	1700	1740	1640	1700
9	1320	1150	1240	1600	1220	1410	1780	1620	1710	1710	1610	1680
10	1290	1140	1210	1500	1120	1340	1810	1700	1770	1740	1640	1700
11	1320	1180	1230	1550	1420	1480	1810	1710	1770	1760	1680	1720
12	1310	974	1210	1590	1530	1560	1860	1720	1780	1760	1670	1720
13	1320	839	1000	1640	1570	1610	1850	1750	1810	1770	1670	1720
14	1370	1120	1240	1650	1580	1620	1870	1760	1820	1780	1690	1730
15	1420	1350	1390	1660	1590	1640	1860	1770	1820	1790	1700	1750
16	1490	1400	1440	1670	1590	1630	1860	1760	1820	1760	1650	1710
17	1510	1410	1460	1720	1650	1690	1870	1760	1830	1760	1590	1690
18	1500	1420	1470	1700	1600	1660	1870	1770	1830	1750	1650	1700
19	1610	1450	1520	1680	1600	1650	1870	1740	1830	1760	1660	1720
20	1640	1560	1600	1690	1600	1660	1850	1740	1800	1750	1610	1680
21	1640	1560	1620	1690	1600	1660	1780	1140	1450	1710	1620	1670
22	1650	1560	1610	1680	1560	1620	1590	1010	1410	1720	1610	1670
23	1650	1550	1610	1670	1570	1630	1710	1590	1650	1700	1580	1660
24	1620	1540	1590	1680	1600	1640	1760	1660	1710	1710	1590	1660
25	1630	1540	1590	1680	1590	1650	1800	1730	1760	1740	1620	1680
26	1630	1570	1600	1710	1640	1670	1790	1700	1750	1720	1610	1680
27	1630	1560	1600	1700	1610	1670	1790	1710	1750	1720	1620	1670
28	1610	1520	1580	1690	1600	1660	1820	1740	1780	1740	1640	1690
29	1600	1510	1560	1680	1590	1650	1810	1640	1730	1740	1620	1690
30	1600	1520	1580	1680	1600	1640	1730	1640	1690	1720	1590	1670
31	---	---	---	1740	1640	1690	1720	1640	1690	---	---	---
MONTH	1650	839	1380	1740	1120	1600	1870	1010	1720	1790	1530	1690
YEAR	2970	584	1610									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.6	16.8	18.3	12.4	11.5	12.0	11.0	8.9	10.1	9.0	7.6	8.2
2	19.4	17.0	18.5	13.2	11.3	12.3	10.8	8.4	9.6	9.0	7.4	8.3
3	19.0	17.1	18.2	13.0	10.7	12.0	10.9	8.5	9.7	9.3	7.6	8.5
4	18.1	15.6	17.1	13.1	10.5	11.9	10.8	8.5	9.8	9.1	7.5	8.4
5	17.4	15.0	16.4	12.5	10.5	11.5	10.5	8.5	9.7	9.1	7.4	8.3
6	16.8	14.1	15.7	12.2	10.7	11.5	10.6	8.3	9.6	9.0	7.3	8.1
7	16.9	13.9	15.6	11.8	9.4	10.7	10.6	8.4	9.7	8.9	7.1	7.9
8	16.9	14.0	15.5	11.1	9.2	10.3	10.6	8.6	9.8	8.5	6.7	7.8
9	17.0	14.3	15.9	10.8	8.8	9.8	10.8	9.0	10.0	9.1	6.8	8.0
10	16.8	15.1	15.9	11.1	9.4	10.2	10.7	8.5	9.8	10.0	8.0	9.0
11	15.1	12.3	13.6	11.0	8.2	9.7	9.0	6.9	8.1	10.0	7.9	9.2
12	13.9	12.3	13.3	10.4	8.6	9.7	9.6	7.9	8.8	9.6	8.1	8.9
13	14.0	12.6	13.3	10.9	8.5	9.9	10.1	8.5	9.3	10.0	8.2	9.0
14	15.0	12.8	13.8	10.9	8.6	10.0	9.6	7.8	8.9	9.9	8.5	9.1
15	---	---	---	10.6	9.2	10.0	9.6	7.7	8.5	9.8	8.0	8.8
16	---	---	---	11.0	8.7	9.9	9.2	6.7	7.9	8.5	5.6	6.9
17	---	---	---	10.1	7.8	9.0	8.8	7.2	8.1	7.9	5.2	6.8
18	---	---	---	10.0	7.2	8.7	9.4	7.1	8.3	8.6	5.8	7.3
19	---	---	---	10.5	7.8	9.2	8.8	6.9	8.1	9.1	6.9	8.1
20	---	---	---	10.8	8.2	9.7	9.8	7.7	8.9	10.1	7.6	8.7
21	---	---	---	10.9	8.6	10.0	10.4	8.6	9.6	9.9	7.2	8.5
22	---	---	---	11.0	9.0	10.2	10.5	8.4	9.7	9.8	7.6	8.8
23	---	---	---	11.6	8.9	10.2	10.9	8.5	9.7	10.5	8.1	9.3
24	---	---	---	10.4	8.8	9.7	10.0	8.7	9.4	10.0	7.7	9.0
25	---	---	---	10.8	8.3	9.5	9.5	7.5	8.4	9.6	7.9	8.7
26	15.7	13.7	14.9	11.6	9.4	10.4	9.2	6.8	8.1	9.5	6.9	8.2
27	15.5	13.5	14.4	11.6	10.1	11.0	9.4	7.2	8.4	9.9	7.2	8.5
28	14.9	13.5	14.2	12.0	10.0	11.1	9.4	7.2	8.5	9.3	7.2	8.2
29	14.4	12.7	13.5	11.6	9.5	10.8	9.1	7.0	8.2	9.3	6.8	8.2
30	13.7	12.5	13.0	11.8	9.6	10.8	9.2	7.2	8.3	9.0	6.9	8.1
31	12.8	12.2	12.5	---	---	---	9.3	7.6	8.4	8.9	6.2	7.6
MONTH	19.6	12.2	15.2	13.2	7.2	10.4	11.0	6.7	9.0	10.5	5.2	8.3

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TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	7.2	8.5	11.2	8.6	9.9	15.0	12.2	13.7	15.9	13.3	14.7
2	9.8	7.5	8.8	11.4	8.5	10.1	14.6	12.6	13.3	14.1	10.6	12.2
3	10.4	8.9	9.7	11.2	8.4	9.9	12.8	11.5	12.0	12.0	9.3	10.5
4	11.3	9.5	10.3	11.4	8.5	10.1	12.4	10.9	11.8	13.8	9.0	11.4
5	11.3	9.3	10.3	11.9	10.1	11.1	13.1	11.0	12.2	15.7	11.9	13.9
6	10.4	8.7	9.6	13.5	10.2	11.9	13.0	11.1	12.2	16.7	13.1	15.0
7	8.8	7.3	7.9	13.8	10.6	12.3	12.6	10.9	11.8	17.2	13.3	15.4
8	8.4	5.9	7.2	13.8	10.5	12.3	11.5	9.1	10.4	18.1	13.9	16.2
9	7.8	5.3	6.8	12.8	11.0	11.8	13.2	9.2	11.2	18.4	14.9	16.9
10	9.1	5.9	7.4	12.8	10.7	11.7	13.2	10.5	12.1	17.8	14.1	16.2
11	9.9	7.3	8.4	12.2	8.6	10.1	13.2	10.4	12.0	16.7	12.6	15.0
12	10.0	7.7	8.9	11.2	8.1	9.6	12.7	9.7	10.6	16.5	12.9	15.1
13	9.8	8.6	9.2	13.5	9.4	11.5	12.8	9.1	10.8	16.1	12.0	14.0
14	9.2	7.8	8.6	12.4	9.9	11.1	14.0	10.9	12.4	16.0	12.1	14.1
15	10.2	7.2	8.7	12.1	8.8	10.6	15.2	11.4	13.3	15.6	12.3	14.0
16	10.5	7.7	9.2	11.3	7.7	9.7	16.4	12.6	14.6	14.8	12.8	13.5
17	11.0	7.9	9.4	11.3	7.7	9.4	17.2	13.6	15.5	15.2	11.3	13.1
18	11.7	9.0	10.2	13.4	10.3	11.7	17.4	14.1	15.9	15.0	12.1	13.7
19	12.4	10.1	11.2	14.5	10.9	12.9	16.2	13.2	14.7	16.0	12.0	14.0
20	11.6	9.7	10.7	14.3	12.4	13.6	15.6	12.4	13.5	15.3	12.1	13.9
21	11.9	9.5	10.8	15.9	12.9	14.4	13.4	11.2	12.3	14.9	11.2	13.3
22	12.2	9.5	11.0	15.9	12.9	14.5	15.0	11.5	13.2	16.3	12.1	14.3
23	11.3	7.4	9.4	15.8	13.2	14.6	16.1	12.4	14.3	17.3	12.8	15.1
24	10.6	7.4	8.7	15.4	13.0	14.3	17.3	13.4	15.4	17.7	13.3	15.7
25	11.1	8.6	9.7	15.9	13.1	14.4	18.1	14.2	16.3	18.0	13.8	16.1
26	11.4	8.6	10.1	15.9	12.8	14.4	18.9	15.2	17.2	17.2	13.8	15.7
27	11.0	8.7	10.0	14.7	11.9	13.6	18.3	15.9	17.2	16.8	13.5	15.3
28	9.9	7.6	9.1	13.4	11.7	12.6	17.8	15.2	16.6	16.5	14.4	15.5
29	---	---	---	12.8	10.7	12.0	16.6	14.0	15.5	18.1	14.2	16.1
30	---	---	---	14.7	11.0	12.9	16.6	12.8	14.9	17.3	13.9	15.8
31	---	---	---	14.7	11.7	13.4	---	---	---	18.1	13.8	16.1
MONTH	12.4	5.3	9.3	15.9	7.7	12.0	18.9	9.1	13.6	18.4	9.0	14.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.7	14.5	16.8	23.6	20.1	22.0	23.8	20.5	22.2	23.2	20.4	21.9
2	18.5	16.0	17.2	24.6	20.8	22.7	24.3	20.8	22.6	23.1	20.2	21.8
3	17.3	14.8	16.2	24.9	21.8	23.5	23.8	22.0	22.6	23.2	20.3	21.9
4	16.8	13.2	15.2	24.7	21.8	23.5	24.0	20.9	22.6	23.1	18.9	22.0
5	16.7	13.9	15.3	24.8	22.1	23.6	24.6	21.4	23.0	22.5	20.5	21.4
6	19.3	14.9	17.1	24.8	22.3	23.6	24.0	21.3	22.9	21.1	18.5	19.6
7	20.8	16.5	18.7	24.0	22.1	23.2	25.0	22.0	23.4	19.8	16.5	18.2
8	20.4	17.4	19.0	24.7	21.9	23.4	25.3	22.4	23.9	19.3	16.4	18.0
9	21.3	17.6	19.5	24.2	21.5	23.1	24.7	22.4	23.7	19.1	15.6	17.5
10	20.8	17.7	19.3	24.2	21.9	23.0	25.1	22.1	23.7	19.5	16.2	18.1
11	21.0	17.5	19.4	24.5	21.3	22.9	24.8	21.7	23.3	20.5	17.3	19.1
12	20.6	16.2	18.0	24.5	21.3	22.9	23.9	21.5	22.9	21.2	18.8	20.1
13	17.1	13.0	14.9	24.7	21.6	23.3	23.3	21.7	22.4	21.3	19.0	20.3
14	18.4	13.4	15.7	24.1	21.5	22.5	24.1	20.8	22.4	21.7	19.0	20.5
15	20.1	15.9	18.0	21.9	19.4	20.8	23.6	21.0	22.5	21.5	18.6	20.2
16	21.5	17.1	19.3	21.8	19.0	20.6	24.1	21.1	22.7	21.2	18.9	20.2
17	21.3	18.2	19.9	21.0	18.2	19.6	24.3	21.0	22.8	20.9	18.5	19.8
18	21.1	17.9	19.7	21.9	18.7	20.2	24.0	21.3	22.7	20.9	18.1	19.6
19	21.6	17.6	19.7	22.6	19.5	21.1	24.1	21.3	22.7	20.9	17.9	19.6
20	22.0	18.2	20.3	22.6	19.5	21.2	22.9	20.7	21.6	20.8	17.9	19.6
21	22.8	18.7	20.8	22.8	19.7	21.3	21.8	20.0	20.9	20.7	18.0	19.6
22	23.2	19.3	21.4	23.3	19.9	21.6	22.0	18.8	20.3	20.8	17.8	19.4
23	22.8	19.7	21.2	23.5	20.3	22.0	22.8	19.7	21.4	21.1	17.9	19.6
24	22.2	19.4	20.9	23.9	20.5	22.3	22.1	19.9	21.1	21.0	18.2	19.9
25	22.8	19.1	20.9	23.9	20.9	22.6	22.8	19.3	21.2	20.8	18.3	19.8
26	22.5	19.2	20.2	23.4	21.0	22.2	23.4	19.8	21.7	21.1	18.3	19.8
27	22.1	18.1	19.9	23.4	20.4	21.9	23.3	20.3	22.1	20.7	18.1	19.7
28	23.4	19.6	21.5	23.5	20.8	22.2	23.4	20.4	22.1	20.4	17.8	19.3
29	22.9	19.8	21.6	24.2	20.9	22.6	23.1	20.8	22.2	21.0	18.4	19.7
30	23.3	20.0	21.8	23.6	20.6	22.2	22.5	20.6	21.7	20.8	18.0	19.5
31	---	---	---	23.1	20.3	21.9	23.3	20.2	21.8	---	---	---
MONTH	23.4	13.0	19.0	24.9	18.2	22.2	25.3	18.8	22.4	23.2	15.6	19.9
YEAR	25.3	5.2	14.7									

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
(a)18...	1320	ENVIRONMENTAL	138	94	8.4	8.0	1530	14.0	420	96
NOV										
26...	1140	ENVIRONMENTAL	78	91	8.8	8.0	1580	10.1	460	110
DEC										
10...	1030	FIELD BLANK	--	--	--	--	--	--	--	--
10...	1230	ENVIRONMENTAL	142	89	8.7	7.8	1640	9.3	430	100
JAN										
27...	1300	ENVIRONMENTAL	10	90	9.0	8.1	1560	8.4	440	100
FEB										
25...	1240	ENVIRONMENTAL	79	99	10.5	7.8	1490	6.1	350	68
MAR										
22...	1030	ENVIRONMENTAL	108	99	10.6	8.2	1400	6.5	350	66
APR										
18...	1540	ENVIRONMENTAL	125	100	8.9	8.0	1350	13.0	350	68
MAY										
15...	1140	ENVIRONMENTAL	146	98	8.6	7.9	1320	14.6	350	76
JUN										
19...	1300	ENVIRONMENTAL	152	86	7.1	7.8	1410	17.4	370	81
JUL										
24...	1410	ENVIRONMENTAL	141	125	9.0	8.0	1590	24.0	440	100
AUG										
22...	0940	ENVIRONMENTAL	159	73	5.8	7.9	1620	19.9	390	80
SEP										
13...	1030	ENVIRONMENTAL	140	89	7.1	7.1	1650	19.0	440	94

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										
(a)18...	44	14	3	148	257	314	210	.64	23	230
NOV										
26...	45	12	3	142	250	305	210	.61	22	250
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	43	12	4	186	226	276	250	.67	21	220
JAN										
27...	44	11	3	147	251	306	210	.91	19	240
FEB										
25...	45	13	4	161	212	259	230	.59	19	200
MAR										
22...	44	13	3	137	219	267	200	.56	19	200
APR										
18...	43	12	3	139	226	276	190	.60	18	190
MAY										
15...	39	11	3	131	206	251	180	<.10	16	190
JUN										
19...	40	12	3	138	224	273	190	.70	19	200
JUL										
24...	44	16	3	153	231	282	220	.83	22	230
AUG										
22...	47	16	4	174	232	284	240	.87	22	230
SEP										
13...	49	15	4	177	241	299	240	.82	21	240

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
(a)18...	.061	.53	.79	4.42	.012	1.14	1.06	1.25	1.28	352
NOV										
26...	.148	.64	.83	3.54	.032	.977	.863	1.08	1.38	215
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	.074	.67	.90	6.55	.014	1.22	1.12	1.32	1.38	388
JAN										
27...	.345	.75	.91	3.90	.112	.631	.574	.722	1.32	26.3
FEB										
25...	.096	.48	.74	2.16	.015	.306	.271	.361	1.23	193
MAR										
22...	.179	.60	.91	1.60	.040	.243	.219	.389	1.14	244
APR										
18...	.128	.61	.87	2.08	.018	.432	.401	.608	1.13	281
MAY										
15...	.045	.43	.65	2.40	.013	.670	.588	.720	1.09	317
JUN										
19...	.096	.64	.94	3.76	.021	.905	.858	1.02	1.19	360
JUL										
24...	.081	.69	1.1	3.66	.025	1.04	.937	1.16	1.32	370
AUG										
22...	.399	1.0	1.5	2.31	.176	.817	.705	.908	1.35	427
SEP										
13...	.311	.90	.64	3.27	.219	.953	.896	1.04	1.38	383

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										
(a)18...	944	943	7.4	13	29	3.5	.90	8.9	24	67
NOV										
26...	1020	959	.60	20	35	3.3	.70	2.3	11	22
DEC										
10...	--	--	--	--	--	<.33	<.20	--	--	--
10...	1010	994	8.0	27	29	3.3	.70	11	29	66
JAN										
27...	974	943	4.1	E9.5	51	3.3	.70	.27	10	76
FEB										
25...	904	872	51	<10	7.4	3.9	1.8	21	97	97
MAR										
22...	838	821	47	<10	11	4.0	1.9	21	71	92
APR										
18...	832	803	48	<10	12	4.3	1.9	34	102	94
MAY										
15...	804	781	4.4	E5.9	23	3.7	.42	8.3	21	81
JUN										
19...	876	844	4.8	16	25	4.1	.88	14	35	90
JUL										
24...	972	951	9.1	E5.7	23	4.3	.81	16	42	93
AUG										
22...	994	961	27	11	29	4.6	1.1	21	49	86
SEP										
13...	1010	1010	<.50	16	27	4.4	.99	12	31	78

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
OCT											
(a)18...	1320	V9.4	<1.0	9	54	<1.0	--	<1.0	.87	<1.0	2.5
NOV											
26...	1140	V5.1	<1.0	9	51	<1.0	--	<1.0	E.47	<1.0	2.7
DEC											
10...	1230	V6.0	<1.0	8	48	<1.0	--	<1.0	<.80	<1.0	3.2
JAN											
27...	1300	V4.1	<1.0	8	53	<1.0	--	<1.0	<.80	<1.0	3.0
FEB											
25...	1240	V2.3	<1.0	6	30	<1.0	120	<1.0	<1.0	<1.0	1.5
MAR											
22...	1030	V1.6	<1.0	14	62	<1.0	220	<1.0	<1.0	<1.0	3.0
APR											
18...	1540	<1.8	<1.0	9	65	<1.0	254	<1.0	<.80	<1.0	2.4
MAY											
15...	1140	<12	<1.0	8	52	<1.0	247	<1.0	<.80	<1.0	2.5
JUN											
19...	1300	V5.7	<1.0	8	54	<1.0	290	<1.0	<.80	<1.0	2.5
JUL											
24...	1410	5.0	<1.0	10	58	<1.0	310	<1.0	<.80	<1.0	2.5
AUG											
22...	0940	V3.2	<1.0	14	64	<1.0	337	<1.0	<.80	<1.0	2.7
SEP											
13...	1030	V2.9	.69	13	61	<.06	313	.11	<1.6	.43	4.3

DATE	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											
(a)18...	<1.0	--	9.3	1.8	E2	<1.0	--	--	--	V14	7.1
NOV											
26...	<1.0	--	7.0	2.5	E2	<1.0	--	--	--	V23	9.4
DEC											
10...	<1.0	--	8.6	8.6	E2	<1.0	--	--	--	V34	6.8
JAN											
27...	<1.0	--	9.7	1.4	3	<1.0	--	--	--	V30	8.4
FEB											
25...	<1.0	57	3.5	<1.0	E1	<1.0	475	<.90	1	V15	2.8
MAR											
22...	<1.0	100	7.7	3.1	1	<1.0	989	<.90	2	V9.7	5.5
APR											
18...	<1.0	110	7.0	<1.0	1	<1.0	953	<.90	3	<9.4	5.4
MAY											
15...	<1.0	86	7.4	2.6	2	<1.0	846	<.90	3	<15	6.2
JUN											
19...	<1.0	94	7.9	3.0	1	<1.0	820	<.90	3	V37	6.2
JUL											
24...	<1.0	95	10	2.0	2	<1.0	935	<.90	4	13	6.6
AUG											
22...	<1.0	120	10	<1.0	2	<1.0	930	<.90	6	V19	7.0
SEP											
13...	.55	120	11	1.8	3	<1.0	982	.07	5	V18	8.1

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--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	1330	1270	1310	1180	1070	1130	1610	1440	1520	1750	1570	1660
2	1320	1260	1300	1210	1100	1160	1640	1460	1560	1970	1620	1720
3	1320	1240	1290	1220	1120	1180	2360	1530	1840	2220	1780	1980
4	1300	1230	1270	1250	1140	1200	2370	1760	2070	2410	1820	2110
5	1290	1230	1270	1270	1140	1220	1760	1580	1690	2490	1820	2130
6	1280	1210	1250	1290	1160	1230	1650	1530	1600	2390	1900	2160
7	1270	1180	1240	1310	1180	1250	1850	1540	1640	1970	1800	1880
8	1270	1210	1240	1350	1230	1290	2000	1720	1820	1850	1700	1800
9	1270	1190	1240	1420	1290	1340	1760	1580	1680	1790	1650	1740
10	1210	1140	1190	---	---	---	2400	1560	1790	2060	1670	1790
11	1180	1120	1160	---	---	---	2340	1700	1960	2320	1860	2090
12	1180	1090	1150	1440	1320	1390	1720	1550	1650	1940	1750	1840
13	1170	1110	1140	1440	1330	1390	1990	1540	1690	---	---	---
14	1170	1100	1140	1400	1270	1360	2560	1980	2200	---	---	---
15	1250	1110	1160	1400	1260	1330	2580	2000	2270	---	---	---
16	1180	1060	1100	1380	1260	1330	2000	1730	1880	---	---	---
17	1170	1100	1130	1410	1290	1350	1940	1740	1860	---	---	---
18	1180	1100	1150	1340	1110	1210	1860	1690	1790	---	---	---
19	1180	1110	1150	1380	1290	1330	1740	1600	1690	---	---	---
20	1160	1090	1140	1350	1270	1320	1730	1580	1660	---	---	---
21	1160	1080	1130	1330	1200	1270	2040	1650	1760	---	---	---
22	1150	1070	1130	1420	1200	1300	2090	1690	1880	---	---	---
23	1140	1060	1110	1410	1260	1330	1810	1660	1730	---	---	---
24	1110	1020	1080	1600	1220	1290	1760	1610	1700	---	---	---
25	1080	994	1050	1660	1500	1600	1740	1610	1680	---	---	---
26	1080	1000	1050	1620	1480	1570	1730	1600	1680	---	---	---
27	1070	936	1010	1580	1460	1540	1750	1600	1680	---	---	---
28	1010	872	950	1560	1420	1510	1740	1620	1700	---	---	---
29	1050	957	1000	1620	1420	1520	1770	1620	1700	---	---	---
30	1100	975	1030	1610	1450	1540	1750	1600	1690	---	---	---
31	1140	1010	1070	---	---	---	1760	1590	1680	---	---	---
MONTH	1330	872	1150	---	---	---	2580	1440	1770	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	1480	1440	1460	1280	1260	1260
2	---	---	---	---	---	---	1440	1370	1400	1290	1250	1280
3	---	---	---	1430	1360	1400	1380	1350	1360	1290	1210	1240
4	1490	1430	1460	1400	1320	1360	1370	1360	1370	1240	1150	1180
5	1510	1450	1490	1370	1290	1320	1370	1350	1360	1170	1020	1090
6	1510	1480	1490	1390	1290	1340	1370	1340	1350	1100	985	1040
7	1500	1420	1470	1400	1370	1390	1340	1310	1320	1090	968	1020
8	1650	1400	1480	1400	1360	1380	1330	1320	1330	1090	950	1000
9	1600	1420	1470	1400	1330	1360	1330	1300	1320	1130	1050	1090
10	1470	1300	1400	1450	1360	1400	1320	1310	1320	1160	1110	1130
11	1440	987	1210	1430	1380	1400	1310	1300	1300	1130	912	1000
12	1300	978	1220	1400	1380	1390	1310	1300	1310	1140	1040	1080
13	1260	1020	1190	1390	1380	1390	1310	1290	1290	1200	1130	1160
14	1260	1080	1230	1400	1380	1390	1290	1150	1230	1260	1180	1210
15	1310	1080	1230	1410	1390	1400	1240	1160	1210	1300	1260	1280
16	1300	1230	1280	1440	1410	1430	1270	1240	1250	1300	1220	1270
17	1280	1000	1190	1450	1410	1430	1290	1270	1270	1270	1190	1230
18	1340	1060	1230	1470	1450	1460	1310	1280	1290	1200	940	1080
19	1310	1280	1290	1450	1400	1430	1330	1310	1320	1270	1200	1230
20	1290	1250	1270	1600	1400	1500	1310	1290	1290	1290	1210	1260
21	1270	675	1200	1620	1470	1560	1320	1300	1310	1280	1120	1190
22	1210	685	985	1470	1430	1450	1340	1320	1330	1200	1000	1080
23	1390	1210	1300	1450	1430	1440	1340	1190	1240	1080	810	900
24	1690	1340	1420	1440	1420	1430	1260	1050	1140	868	713	765
25	1500	1460	1490	1420	1410	1420	1250	1170	1210	---	---	---
26	1480	1380	1450	1420	1400	1410	1280	1240	1260	745	577	670
27	1440	1400	1420	1410	1400	1400	1320	1280	1300	803	705	748
28	---	---	---	1420	1400	1410	1320	1280	1300	824	718	758
29	---	---	---	1420	1410	1410	1290	1190	1230	787	661	712
30	---	---	---	1460	1420	1430	1260	1210	1230	802	657	724
31	---	---	---	1470	1460	1470	---	---	---	831	720	767
MONTH	---	---	---	---	---	---	1480	1050	1300	---	---	---

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--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	953	784	843	1490	1370	1430	1650	1430	1580	1520	1290	1430
2	959	840	885	1530	1410	1460	1630	1430	1560	1550	1440	1510
3	998	866	921	1550	1400	1490	1620	1400	1560	1560	1480	1510
4	1020	872	930	1560	1440	1500	1570	1400	1500	1580	1500	1530
5	1000	880	935	1550	1420	1490	1630	1550	1580	1580	1500	1540
6	1020	891	946	1540	1400	1470	1600	1510	1560	1580	1510	1550
7	1040	911	965	1560	1400	1480	1580	1500	1560	1590	1520	1560
8	1040	943	987	1570	1370	1490	1570	1510	1550	1590	1530	1570
9	1030	936	978	1560	1390	1500	1580	1530	1560	1610	1520	1570
10	1160	950	1030	1530	1390	1470	1580	1500	1550	1620	1520	1580
11	1290	1150	1190	1460	1230	1350	1590	1500	1550	1610	1520	1570
12	1320	1220	1270	1520	1320	1420	1600	1530	1570	1660	1540	1610
13	1360	1270	1310	1560	1400	1510	1580	1490	1540	1650	1590	1620
14	1360	1280	1320	1590	1390	1510	1580	1480	1540	1640	1560	1600
15	1380	1300	1340	1620	1400	1530	1570	1500	1540	1620	1550	1590
16	1380	1260	1330	1610	1400	1520	1520	1480	1500	1670	1580	1630
17	1430	1340	1370	1620	1440	1550	1560	1500	1530	1760	1590	1680
18	1480	1370	1420	1610	1450	1540	1590	1170	1510	1720	1610	1680
19	1460	1340	1400	1650	1450	1570	1430	1160	1330	1800	1630	1710
20	1410	1340	1380	1650	1460	1580	1590	1430	1500	1800	1720	1760
21	1410	1350	1390	1670	1490	1600	1600	1510	1550	1760	1550	1700
22	1450	1360	1400	1660	1430	1590	1630	1570	1600	1570	1380	1520
23	1480	1400	1430	1660	1490	1590	1620	1530	1590	1380	723	914
24	1490	1400	1440	1660	1490	1600	1600	1520	1570	1510	1020	1340
25	1490	1400	1440	1660	1500	1590	1620	1560	1590	1530	1460	1500
26	1490	1390	1450	1660	1470	1590	1620	1540	1590	1550	1480	1520
27	1490	1400	1460	1680	1510	1620	1590	1490	1540	1530	1500	1510
28	1510	1430	1460	1650	1490	1590	1570	1480	1530	1500	1420	1470
29	1520	1410	1470	1660	1470	1570	1640	1560	1600	1440	1360	1410
30	1490	1380	1450	1630	1420	1550	1620	1320	1570	1360	1290	1340
31	---	---	---	1620	1450	1560	1320	1020	1140	---	---	---
MONTH	1520	784	1240	1680	1230	1530	1650	1020	1530	1800	723	1530

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	16.3	13.5	15.2	14.4	11.5	13.2	11.3	9.6	10.5	9.4	8.0	8.6
2	16.4	13.5	15.1	14.4	11.6	13.2	10.2	8.4	9.4	9.1	7.4	8.3
3	16.5	13.5	15.3	14.8	12.0	13.6	9.4	7.1	8.2	9.0	7.1	8.2
4	16.5	14.0	15.7	14.8	12.3	13.7	9.4	6.7	8.1	8.7	7.0	8.0
5	16.4	14.6	15.5	15.1	12.1	13.6	9.5	7.1	8.4	9.0	7.4	8.3
6	16.4	14.1	15.3	14.6	12.5	13.6	10.1	8.0	9.3	8.8	6.9	8.1
7	16.4	13.8	15.3	14.4	13.1	13.8	10.4	8.7	9.4	8.7	6.8	8.0
8	17.2	14.2	15.8	15.0	12.5	13.8	9.7	7.7	8.8	9.0	7.5	8.3
9	17.5	14.8	16.3	14.4	12.0	13.4	9.2	7.2	8.5	9.3	7.5	8.5
10	17.4	15.0	16.4	---	---	---	9.5	7.9	8.7	9.5	8.4	9.1
11	17.2	15.0	16.4	---	---	---	9.5	7.2	8.4	9.7	8.3	9.1
12	17.0	14.5	16.1	14.4	11.8	13.3	10.1	8.3	9.2	10.1	8.1	9.1
13	16.8	14.2	15.8	14.1	11.5	12.9	9.6	7.3	8.5	---	---	---
14	16.5	14.3	15.4	14.0	11.3	12.7	8.5	6.6	7.6	---	---	---
15	14.7	11.7	13.1	13.7	11.0	12.6	8.9	6.6	7.9	---	---	---
16	14.1	11.3	12.8	13.9	11.4	12.8	10.3	8.1	9.3	---	---	---
17	14.4	11.7	13.4	13.9	12.0	12.9	11.3	9.3	10.4	---	---	---
18	14.9	12.1	13.8	12.7	10.4	11.6	10.8	9.4	10.1	---	---	---
19	15.0	12.1	13.9	12.0	9.9	11.2	11.0	9.3	10.0	---	---	---
20	15.2	12.4	14.2	13.2	11.0	11.9	10.5	9.4	10.0	---	---	---
21	15.3	12.4	14.2	11.9	9.3	10.6	10.4	9.1	9.8	---	---	---
22	15.6	12.5	14.2	10.8	8.5	9.7	10.2	8.2	9.3	---	---	---
23	15.8	12.8	14.4	10.6	8.2	9.6	9.9	7.9	9.1	---	---	---
24	15.5	12.8	14.5	9.9	7.5	9.0	10.0	7.7	8.9	---	---	---
25	15.6	12.8	14.6	10.9	8.7	9.7	9.7	7.7	8.8	---	---	---
26	15.9	13.2	14.8	12.2	9.9	11.1	9.8	7.4	8.6	---	---	---
27	15.5	13.4	14.4	12.9	11.0	11.9	9.9	7.7	8.9	---	---	---
28	14.0	12.0	13.1	12.4	10.5	11.5	9.9	7.8	9.0	---	---	---
29	14.3	11.2	12.8	12.8	10.4	11.7	9.8	7.7	8.9	---	---	---
30	14.9	11.7	13.3	12.4	11.1	11.6	9.5	7.6	8.7	---	---	---
31	14.6	12.0	13.5	---	---	---	9.2	7.6	8.6	---	---	---
MONTH	17.5	11.2	14.7	---	---	---	11.3	6.6	9.0	---	---	---

10171000 JORDAN RIVER 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	---	---	---	---	---	---	11.4	8.2	10.0	16.9	13.1	15.1
2	---	---	---	---	---	---	12.3	8.8	10.6	19.9	13.8	16.1
3	---	---	---	---	---	---	13.0	9.7	11.5	17.8	14.5	16.3
4	7.0	4.8	5.7	10.1	7.3	8.8	13.8	10.2	12.2	17.8	14.7	16.4
5	6.9	5.4	6.0	9.9	8.5	9.2	15.0	11.8	13.5	17.0	14.1	15.1
6	7.8	5.2	6.2	9.0	8.1	8.6	14.9	12.0	13.7	14.9	12.6	13.9
7	8.1	5.4	6.5	9.1	7.0	8.2	14.4	11.8	13.2	14.6	13.2	14.0
8	7.9	6.0	6.7	9.1	7.7	8.5	14.5	10.8	12.9	14.6	12.3	13.5
9	9.4	7.2	8.3	8.6	7.2	7.9	14.8	11.9	13.5	14.9	12.7	14.0
10	9.6	8.0	8.8	8.5	6.8	7.7	14.8	11.8	13.5	15.7	14.1	14.9
11	8.5	7.1	7.9	8.3	7.0	7.8	15.2	11.9	13.7	14.4	11.6	12.9
12	8.2	6.6	7.5	9.6	7.5	8.6	15.6	12.3	14.1	14.6	11.0	12.7
13	7.3	6.4	6.8	9.9	7.3	8.8	15.5	12.9	14.4	14.8	11.7	13.4
14	8.5	6.7	7.5	9.6	8.0	8.8	15.3	13.4	14.2	15.9	13.1	14.6
15	9.1	6.6	7.9	9.7	8.3	9.0	14.8	12.1	13.6	16.2	13.9	15.1
16	8.4	7.5	8.0	9.8	7.3	8.8	14.4	12.6	13.5	15.9	14.0	14.6
17	8.2	6.1	7.4	10.0	7.8	8.9	14.7	12.6	13.7	15.8	12.9	14.4
18	8.4	6.1	7.0	10.0	7.5	8.9	14.6	12.4	13.1	17.2	14.2	15.6
19	8.8	5.9	7.2	9.6	7.1	8.0	13.1	11.3	12.2	17.6	14.1	15.9
20	8.5	6.6	7.6	7.4	6.0	6.8	15.2	11.3	13.2	18.4	14.6	16.6
21	10.3	7.8	8.8	8.0	4.8	6.7	15.4	12.7	14.2	18.7	15.0	17.0
22	9.6	8.2	9.0	9.0	5.9	7.6	16.3	13.5	15.0	18.5	14.9	16.9
23	8.7	7.5	8.0	9.3	7.0	8.5	16.0	13.8	14.9	17.9	13.6	16.0
24	8.0	6.2	7.0	10.3	7.6	9.1	15.6	12.6	14.3	16.6	13.0	14.5
25	6.6	5.3	6.0	11.0	8.3	9.8	16.1	12.7	14.6	---	---	---
26	6.9	5.1	6.0	12.6	9.3	11.1	16.9	13.5	15.3	---	---	---
27	7.3	5.7	6.5	12.8	10.0	11.6	18.0	14.2	16.3	16.2	12.6	14.6
28	---	---	---	12.6	11.3	11.8	17.6	15.0	16.3	17.0	13.7	15.4
29	---	---	---	12.0	9.7	11.1	16.2	13.6	14.8	16.9	13.1	15.1
30	---	---	---	11.5	9.1	10.2	15.7	12.4	14.1	16.6	12.9	14.9
31	---	---	---	11.0	8.2	9.7	---	---	---	16.0	13.1	14.7
MONTH	---	---	---	---	---	---	18.0	8.2	13.7	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.9	11.9	14.0	22.5	19.0	20.7	24.8	21.6	23.3	20.1	18.7	19.5
2	17.5	13.2	15.3	22.5	19.2	20.9	24.0	21.8	23.1	19.9	17.4	18.7
3	18.2	14.3	16.3	21.6	18.5	20.2	24.4	21.9	23.2	20.3	17.3	18.9
4	18.7	14.7	16.7	22.3	18.2	20.3	24.1	22.0	23.1	20.7	17.6	19.2
5	18.4	15.2	17.0	21.9	18.4	20.3	24.5	21.3	22.9	21.0	18.1	19.7
6	18.9	14.9	16.9	22.0	17.9	20.0	24.5	21.1	22.9	20.3	17.8	19.3
7	19.2	15.4	17.4	22.3	18.5	20.6	24.6	21.3	23.1	20.1	16.8	18.7
8	18.8	16.1	17.6	22.1	19.2	20.8	24.0	21.2	22.7	19.8	17.6	18.7
9	17.8	15.0	16.1	22.6	19.2	20.9	23.9	21.2	22.6	19.6	16.7	18.2
10	18.0	13.9	16.0	22.1	20.0	21.2	24.6	21.6	23.1	20.5	17.0	18.9
11	20.1	16.1	18.0	23.2	19.2	21.2	24.5	21.7	23.1	20.9	17.6	19.5
12	19.5	17.5	18.6	23.5	19.8	21.7	24.1	20.8	22.6	21.4	18.0	19.9
13	20.0	16.9	18.4	23.9	20.3	22.2	24.0	20.7	22.5	21.3	18.2	20.1
14	20.7	16.7	18.8	24.2	20.5	22.4	23.9	20.3	22.3	21.8	18.5	20.4
15	21.0	17.5	19.4	23.5	21.0	22.0	23.3	21.2	22.3	21.7	18.8	20.5
16	19.8	16.7	18.4	23.9	20.7	22.3	24.3	20.9	22.5	21.8	18.7	20.4
17	20.2	15.9	18.1	23.8	21.3	22.6	24.4	21.4	22.9	21.7	19.0	20.4
18	19.5	17.1	17.9	24.2	20.5	22.4	23.2	21.4	22.4	21.0	18.6	20.1
19	19.4	16.4	17.7	24.0	20.5	22.5	23.1	20.6	21.8	21.1	18.5	20.0
20	20.3	16.2	18.3	24.0	20.2	22.3	22.9	19.7	21.4	20.8	18.2	19.8
21	21.3	16.8	19.1	24.1	20.2	22.3	22.9	19.5	21.4	20.0	17.8	18.7
22	22.0	17.8	20.0	24.0	20.5	22.4	22.8	19.8	21.4	18.4	16.7	17.8
23	22.7	19.0	20.9	24.0	20.8	22.6	22.4	20.3	21.6	16.7	11.9	13.4
24	23.2	19.4	21.3	24.4	21.0	22.8	23.7	20.1	21.9	16.3	12.6	14.5
25	22.9	19.3	21.2	24.3	21.0	22.7	23.3	20.8	22.2	17.1	14.0	15.7
26	22.7	19.7	21.2	23.3	20.6	22.2	23.0	20.9	21.9	17.7	14.6	16.3
27	23.1	18.9	21.0	23.9	20.6	22.3	22.7	20.1	21.4	18.1	15.1	16.8
28	23.1	19.2	21.2	24.1	20.6	22.5	22.8	20.2	21.7	19.1	16.4	17.9
29	23.5	19.5	21.6	24.1	20.6	22.5	23.0	20.5	21.8	19.5	16.8	18.4
30	22.5	19.7	20.8	24.5	20.8	22.8	22.3	20.4	21.1	19.4	16.8	18.3
31	---	---	---	24.6	21.2	23.1	20.9	19.4	20.2	---	---	---
MONTH	23.5	11.9	18.5	24.6	17.9	21.8	24.8	19.4	22.3	21.8	11.9	18.6

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
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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										
20...	1230	ENVIRONMENTAL	155	87	7.9	7.5	1510	12.6	410	95
NOV										
18...	1110	ENVIRONMENTAL	173	96	9.8	8.1	1330	8.0	350	64
18...	1220	REPLICATE	173	--	--	8.1	1320	8.0	350	64
DEC										
22...	1013	FIELD BLANK	--	--	--	--	--	--	--	--
22...	1110	ENVIRONMENTAL	163	95	11.6	8.1	1410	1.4	350	65
JAN										
19...	1120	ENVIRONMENTAL	165	96	10.0	8.2	1270	6.8	340	65
FEB										
22...	1140	ENVIRONMENTAL	164	107	11.2	8.2	1320	7.2	350	67
MAR										
22...	1200	ENVIRONMENTAL	161	95	8.9	8.2	1280	11.5	350	70
APR										
05...	1340	ENVIRONMENTAL	155	80	9.4	8.1	1320	9.6	360	72
12...	1100	ENVIRONMENTAL	158	80	9.1	8.1	1290	9.5	360	72
19...	1150	ENVIRONMENTAL	168	99	9.1	8.2	1280	12.3	350	70
27...	1110	ENVIRONMENTAL	190	89	8.2	8.0	865	11.9	240	49
MAY										
05...	1035	FIELD BLANK	--	--	--	--	--	--	--	--
05...	1140	ENVIRONMENTAL	140	91	8.9	8.0	1200	9.8	340	69
10...	1040	ENVIRONMENTAL	130	97	9.2	8.2	1200	10.9	330	67
17...	1120	ENVIRONMENTAL	105	99	9.1	8.1	1210	12.3	330	67
24...	1220	ENVIRONMENTAL	60	108	9.3	8.1	920	15.1	250	53
JUN										
02...	1415	ENVIRONMENTAL	61	100	8.7	8.2	975	14.1	270	59
09...	1100	ENVIRONMENTAL	71	99	8.6	8.3	960	14.7	280	60
14...	1140	ENVIRONMENTAL	112	101	8.7	8.1	890	15.2	240	51
21...	1540	ENVIRONMENTAL	162	106	8.5	8.2	890	18.0	240	50
28...	1250	ENVIRONMENTAL	158	105	8.6	8.0	980	17.7	270	56
JUL										
16...	1040	ENVIRONMENTAL	123	90	7.2	8.1	1290	18.9	360	79
27...	1120	ENVIRONMENTAL	115	88	6.7	8.0	1460	20.7	390	84
AUG										
(a)13...	1120	ENVIRONMENTAL	339	103	8.0	8.0	1460	19.9	400	84
SEP										
(a)03...	0950	ENVIRONMENTAL	720	89	7.4	8.1	1290	17.0	350	73
(a)13...	1110	ENVIRONMENTAL	357	86	8.1	8.1	1490	18.0	410	89

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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)	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...	43	14	3	143	239	292	190	.62	21	220
NOV										
18...	45	13	3	137	209	255	180	.56	21	180
18...	45	12	3	138	208	254	180	.57	21	180
DEC										
22...	--	--	--	--	--	--	--	--	--	--
22...	46	15	3	136	214	261	200	.57	21	200
JAN										
19...	42	13	3	125	209	255	180	.55	19	180
FEB										
22...	44	12	3	138	182	222	200	.54	19	180
MAR										
22...	43	12	3	133	212	258	180	.50	19	180
APR										
05...	44	13	3	127	220	268	180	.57	18	190
12...	44	12	3	125	182	222	180	.56	18	190
19...	44	12	3	127	215	262	180	.54	18	180
27...	29	8.4	2	86	166	202	120	.36	12	120
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	40	11	3	117	205	251	--	.47	17	--
10...	39	11	3	114	202	246	160	.51	16	170
17...	40	11	3	116	190	232	160	.52	16	170
24...	29	7.6	2	83	162	197	120	.37	13	120
JUN										
02...	30	7.8	2	86	176	215	120	.38	14	130
09...	31	8.0	2	86	185	225	120	.39	14	130
14...	28	8.1	2	81	160	195	110	.40	13	120
21...	28	8.5	2	80	161	197	110	.41	14	110
28...	31	9.2	2	89	175	214	120	.42	15	140
JUL										
16...	41	10	3	126	218	265	170	.49	20	190
27...	44	13	3	146	226	275	200	.62	20	210
AUG										
(a)13...	45	14	3	142	228	278	190	.65	23	220
SEP										
(a)03...	41	12	3	126	223	272	180	.68	21	200
(a)13...	45	12	3	147	235	286	210	.69	21	230

(a) Sample collected at Surplus Canal at 1700 south due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER 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										
20...	.085	.61	.82	4.46	<.010	1.14	1.03	1.24	1.29	398
NOV										
18...	--	--	--	--	--	.308	--	.443	1.13	388
18...	.054	.41	.92	1.76	<.010	.306	.286	.432	1.13	388
DEC										
22...	--	--	--	--	--	--	--	--	--	--
22...	.101	.59	.72	1.81	.034	.344	.270	.365	1.16	374
JAN										
19...	.094	.52	.75	1.35	.018	.285	.258	.368	1.09	356
FEB										
22...	.069	.41	.66	1.71	<.010	.282	.290	--	1.13	368
MAR										
22...	.038	.39	.62	1.51	.014	.323	.298	.471	1.08	344
APR										
05...	.053	.42	.70	1.74	.010	.327	.311	--	1.11	342
12...	.104	.46	.79	1.65	.022	.290	.277	.399	1.11	347
19...	.052	.44	.69	1.82	.015	.416	.387	.497	1.09	365
27...	.163	.57	1.2	1.23	.018	.237	.208	.441	.74	279
MAY										
05...	--	--	--	--	--	--	--	--	--	--
05...	.098	.46	.70	2.09	.016	.268	.228	.332	--	--
10...	.066	.33	.54	1.53	.010	.282	.243	.365	1.01	262
17...	.038	.30	.52	1.57	<.010	.285	.244	--	1.02	212
24...	.069	<.10	.57	1.13	<.010	<.050	.212	.265	.77	90.8
JUN										
02...	.095	.32	.55	1.38	<.010	.214	.201	.295	.82	98.8
09...	.128	.41	.56	1.44	.029	.182	.148	.272	.81	114
14...	.021	.28	.54	1.07	<.010	.196	.160	.298	.76	168
21...	<.020	.41	.56	1.03	<.010	.210	.175	.330	.75	242
28...	.027	.29	.58	1.39	<.010	.309	.231	.410	.83	261
JUL										
16...	.051	.44	.65	2.59	.012	.504	.468	.625	1.07	262
27...	.025	.41	.86	3.17	.015	.671	.653	.744	1.23	280
AUG										
(a)13...	.037	.36	.92	2.85	.011	.440	.557	.593	1.23	826
SEP										
(a)03...	.084	.33	.96	2.47	.021	.368	.457	.632	1.08	1550
(a)13...	.042	.48	.84	3.02	.014	.817	.780	.892	1.26	893

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
20...	950	894	--	17	27	3.8	.70	15	36	--
NOV										
18...	830	773	--	E6.2	7.8	--	--	49	104	--
18...	830	780	--	E5.9	7.9	--	--	--	--	--
DEC										
22...	--	--	--	--	--	.20	<.20	--	--	--
22...	850	821	--	<10	10	4.0	1.0	18	42	--
JAN										
19...	800	756	--	E6.5	13	4.6	.90	24	54	--
FEB										
22...	832	785	--	E6.1	11	3.7	1.6	35	80	--
MAR										
22...	792	771	--	<10	9.1	4.5	2.7	48	111	--
APR										
05...	818	781	--	E5.6	11	3.8	1.0	36	86	95
12...	814	753	--	<10	12	3.8	1.6	25	60	90
19...	804	770	--	<10	12	3.9	1.1	53	118	69
27...	544	529	--	E7.3	15	4.0	4.2	155	302	81
MAY										
05...	--	--	--	--	--	.10	<.20	--	--	--
05...	750	--	--	E5.3	14	3.8	1.0	27	72	87
10...	746	703	--	<10	13	3.6	1.2	24	67	91
17...	747	698	--	E6.3	12	3.5	1.0	26	92	90
24...	565	530	--	<10	16	3.1	2.2	9.3	58	75
JUN										
02...	602	564	--	<10	14	3.4	1.8	10	62	68
09...	596	568	--	<10	16	3.0	1.7	13	66	85
14...	557	516	--	<10	9.3	3.3	1.5	23	74	56
21...	553	508	--	<10	7.2	3.3	1.3	32	72	49
28...	612	573	--	<10	8.6	3.1	2.1	29	68	58
JUL										
16...	790	785	22	E8.1	19	4.0	1.9	19	57	92
27...	902	866	--	E9.3	29	4.2	1.2	11	37	81
AUG										
(a)13...	902	874	10	E6.6	30	4.0	1.6	39	43	96
SEP										
(a)03...	796	791	20	E7.4	20	4.4	1.6	154	79	95
(a)13...	926	908	18	E8.7	24	3.8	1.4	26	27	92

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

10171000 JORDAN RIVER AT SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)
OCT									
20...	1230	ENVIRONMENTAL	V2.9	<1.0	13	54	<1.0	<1.0	2.8
NOV									
18...	1110	ENVIRONMENTAL	V1.4	<1.0	11	61	<1.0	<1.0	<1.0
18...	1220	REPLICATE	V4.7	<1.0	11	62	<1.0	<1.0	1.1
DEC									
22...	1110	ENVIRONMENTAL	V16	<1.0	10	61	<1.0	<1.0	6.9
JAN									
19...	1120	ENVIRONMENTAL	V1.3	<1.0	9	59	<1.0	<1.0	8.4
FEB									
22...	1140	ENVIRONMENTAL	V1.9	<1.0	8	58	<1.0	<1.0	8.1
MAR									
22...	1200	ENVIRONMENTAL	V23	<1.0	8	60	<1.0	<1.0	<1.0
APR									
05...	1340	ENVIRONMENTAL	V1.3	<1.0	9	64	<1.0	<1.0	<1.0
12...	1100	ENVIRONMENTAL	V1.9	<1.0	9	63	<1.0	<1.0	<1.0
19...	1150	ENVIRONMENTAL	V1.6	<1.0	10	61	<1.0	<1.0	<1.0
27...	1110	ENVIRONMENTAL	V3.1	<1.0	6	46	<1.0	<1.0	<1.0
MAY									
05...	1140	ENVIRONMENTAL	V1.8	<1.0	8	59	<1.0	<1.0	<1.0
10...	1040	ENVIRONMENTAL	V1.8	<1.0	8	61	<1.0	<1.0	<1.0
17...	1120	ENVIRONMENTAL	V2.1	<1.0	8	63	<1.0	<1.0	<1.0
24...	1220	ENVIRONMENTAL	V4.0	<1.0	7	51	<1.0	<1.0	<1.0
JUN									
02...	1415	ENVIRONMENTAL	V3.6	<1.0	6	53	<1.0	<1.0	<1.0
09...	1100	ENVIRONMENTAL	V2.2	<1.0	6	54	<1.0	<1.0	<1.0
14...	1140	ENVIRONMENTAL	V2.9	<1.0	6	51	<1.0	<1.0	<1.0
21...	1540	ENVIRONMENTAL	V5.1	<1.0	6	51	<1.0	<1.0	<1.0
28...	1250	ENVIRONMENTAL	V4.2	<1.0	6	53	<1.0	<1.0	<1.0
JUL									
16...	1040	ENVIRONMENTAL	V3.5	<1.0	12	62	<1.0	<1.0	<1.0
27...	1120	ENVIRONMENTAL	V8.2	<1.0	12	63	<1.0	<1.0	<1.0
AUG									
(a)13...	1120	ENVIRONMENTAL	V2.8	<1.0	11	63	<1.0	<1.0	<1.0
SEP									
(a)03...	0950	ENVIRONMENTAL	V3.7	<1.0	12	60	<1.0	<1.0	<1.0
(a)13...	1110	ENVIRONMENTAL	V3.5	<1.0	11	61	<1.0	<1.0	<1.0

DATE	COBALT, DISSOLVED (UG/L AS CO) (01035)	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)
OCT									
20...	<1.0	2.8	<1.0	8.7	1.6	3	<1.0	V15	7.6
NOV									
18...	<1.0	1.6	<1.0	6.6	1.5	2	<1.0	V17	4.9
18...	<1.0	1.6	<1.0	6.7	1.2	2	<1.0	V15	5.1
DEC									
22...	<1.0	1.9	<1.0	6.4	2.6	1	<1.0	V8.2	4.3
JAN									
19...	<1.0	2.3	<1.0	6.4	2.7	1	<1.0	V8.4	4.8
FEB									
22...	<1.0	2.1	<1.0	5.9	2.7	2	<1.0	V14	4.8
MAR									
22...	<1.0	4.1	<1.0	6.3	2.3	1	<1.0	V12	4.3
APR									
05...	<1.0	1.8	<1.0	6.1	2.2	1	<1.0	V9.5	5.2
12...	<1.0	3.9	<1.0	6.0	2.5	1	<1.0	V10	5.3
19...	<1.0	2.4	<1.0	6.3	3.3	1	<1.0	V12	4.9
27...	<1.0	2.2	<1.0	5.1	1.4	1	<1.0	V8.1	3.2
MAY									
05...	<1.0	2.3	<1.0	7.1	2.1	2	<1.0	V11	5.4
10...	<1.0	1.8	<1.0	5.9	1.5	1	<1.0	V7.6	4.9
17...	<1.0	1.7	<1.0	5.8	1.2	1	<1.0	V6.6	4.8
24...	<1.0	2.2	<1.0	4.8	1.0	<1	<1.0	V9.0	3.3
JUN									
02...	<1.0	1.6	<1.0	5.0	1.3	1	<1.0	V8.5	3.5
09...	<1.0	1.7	<1.0	5.1	1.1	<1	<1.0	V6.2	3.5
14...	<1.0	1.9	<1.0	5.0	<1.0	<1	<1.0	V9.0	3.3
21...	<1.0	2.0	<1.0	5.2	1.0	<1	<1.0	V6.8	3.4
28...	<1.0	1.9	<1.0	5.7	1.1	<1	<1.0	V6.9	3.8
JUL									
16...	<1.0	2.2	<1.0	7.9	1.9	2	<1.0	V11	6.1
27...	<1.0	2.8	<1.0	8.9	3.4	1	<1.0	V11	7.1
AUG									
(a)13...	<1.0	2.2	<1.0	8.7	3.0	1	<1.0	V9.2	6.3
SEP									
(a)03...	<1.0	2.1	<1.0	8.2	2.8	<1	<1.0	V9.9	5.7
(a)13...	<1.0	2.3	<1.0	9.4	2.0	1	<1.0	V16	7.8

(a) Sample collected at Surplus Canal at 1700 South due to construction upstream at Jordan River at Salt Lake City.

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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	436	246	236	250	266	308	432	489	346	313	350
2	311	328	238	233	249	262	376	459	516	324	301	331
3	318	304	232	230	252	335	322	426	522	316	340	340
4	322	302	237	231	251	281	315	384	483	345	401	341
5	306	336	243	232	254	266	389	336	441	346	333	345
6	308	348	242	238	254	265	409	309	390	371	340	356
7	308	329	238	239	301	261	370	308	360	444	346	341
8	317	293	238	243	267	259	430	309	343	368	348	378
9	338	428	239	242	254	264	341	381	376	525	332	389
10	419	393	288	235	268	280	315	492	373	586	333	388
11	903	353	280	245	274	388	306	498	358	471	339	368
12	511	343	261	294	272	303	436	516	608	423	330	367
13	397	330	255	259	271	277	371	596	808	363	351	382
14	376	324	259	252	261	254	330	603	523	341	333	388
15	364	355	316	255	257	275	306	692	410	325	348	387
16	392	337	275	246	262	401	298	822	368	322	325	398
17	370	363	260	234	263	359	267	1060	349	307	326	426
18	284	349	259	231	262	308	264	830	384	272	318	390
19	268	309	241	236	269	293	287	695	384	272	314	373
20	262	288	235	244	263	278	302	637	391	263	329	370
21	314	271	237	241	258	280	322	585	380	248	714	362
22	264	288	239	243	253	281	340	534	372	244	670	359
23	269	285	240	239	332	268	279	518	372	261	406	351
24	255	270	252	243	318	264	260	520	404	255	393	348
25	256	264	255	271	285	254	247	549	400	261	375	333
26	253	265	245	258	273	257	241	609	354	260	362	295
27	421	263	241	253	265	254	263	624	357	281	353	284
28	403	263	240	257	257	280	293	608	364	298	333	288
29	323	259	237	255	---	519	392	570	347	298	328	284
30	526	270	236	255	---	341	400	541	353	304	324	277
31	484	---	238	251	---	316	---	488	---	305	340	---
TOTAL	11136	9546	7742	7621	7495	9189	9779	16931	12579	10345	11298	10589
MEAN	359	318	250	246	268	296	326	546	419	334	364	353
MAX	903	436	316	294	332	519	436	1060	808	586	714	426
MIN	253	259	232	230	249	254	241	308	343	244	301	277
AC-FT	22090	18930	15360	15120	14870	18230	19400	33580	24950	20520	22410	21000

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT
(Hydrologic bench mark station)

LOCATION.--Lat 40°46'48", long 111°48'19", in NE¼SE¼NW¼ sec. 35, T. 1 N., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 0.4 mi upstream from dam forming Red Butte Reservoir, and 1.7 mi northeast of Fort Douglas.

DRAINAGE AREA.--7.25 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 28	2200	*8.4	*1.05				

Minimum daily discharge, 0.73 ft^3/s, Sep 28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.7	1.7	e1.3	e1.5	1.8	4.5	7.7	3.1	1.6	.99	.82
2	1.2	1.7	1.8	e1.2	1.6	1.9	6.0	7.5	3.0	1.6	.98	.81
3	1.2	1.6	1.6	e1.1	1.7	1.9	6.7	7.1	3.0	1.5	.98	.79
4	1.3	1.7	1.6	1.1	1.7	1.9	6.3	6.8	2.9	1.5	1.0	.78
5	1.3	1.7	1.6	e1.2	1.7	1.9	6.2	6.7	2.9	1.5	.95	.89
6	1.3	1.7	1.6	e1.2	1.7	2.1	6.5	6.4	2.9	1.5	.93	.94
7	1.3	1.7	1.6	e1.3	1.7	2.3	6.7	6.2	2.8	1.5	.90	.93
8	1.3	1.8	1.6	e1.2	1.5	2.4	6.5	5.8	2.7	1.5	.85	.91
9	1.3	1.7	1.6	e1.2	1.8	2.6	6.4	5.7	2.5	1.6	.83	.92
10	1.4	e1.6	1.7	e1.2	1.7	3.0	6.4	5.6	2.5	1.5	.83	.88
11	1.6	e1.6	1.7	e1.3	1.7	2.9	6.4	5.4	2.4	1.6	.83	.83
12	1.4	e1.6	1.6	e1.3	1.7	2.7	6.3	5.2	2.7	1.6	.82	.81
13	1.4	e1.6	1.7	e1.3	1.7	2.6	6.2	5.1	2.8	1.4	.84	.82
14	1.5	e1.6	1.6	e1.3	1.6	2.6	6.4	5.0	2.7	1.4	.83	.83
15	1.5	e1.6	e1.6	e1.3	1.8	2.6	6.9	4.9	2.5	e1.4	.82	.84
16	1.5	e1.6	e1.5	e1.3	1.9	2.7	7.1	5.0	2.4	e1.3	.80	.85
17	1.5	e1.6	e1.5	1.3	1.7	2.6	7.4	4.7	2.3	1.3	.79	.87
18	1.5	e1.6	e1.5	1.5	1.7	2.7	7.7	4.5	2.3	1.3	.78	.86
19	1.5	1.7	e1.5	1.6	1.9	2.8	8.1	4.2	2.2	1.2	.76	.85
20	1.5	1.7	e1.5	1.6	1.8	3.1	8.2	4.1	2.1	1.2	.77	.84
21	1.6	1.7	e1.5	1.6	1.8	3.5	7.9	4.0	2.1	1.2	1.3	e.81
22	1.5	1.7	1.6	1.6	1.9	4.0	7.7	3.9	2.0	1.2	1.1	.79
23	1.5	1.6	1.6	1.6	1.9	4.1	7.4	3.8	2.0	1.2	.90	.77
24	1.5	1.6	e1.5	1.6	1.9	4.2	7.3	3.6	2.0	1.1	.89	.77
25	1.6	1.7	e1.4	1.6	1.8	4.4	7.4	3.5	1.9	1.1	.87	.75
26	1.5	1.6	e1.3	1.6	1.8	4.6	7.7	3.4	1.9	1.1	.85	.75
27	1.6	1.6	e1.3	1.6	1.8	4.4	7.9	3.4	1.9	1.1	.84	.74
28	1.6	1.6	e1.3	1.6	1.9	4.6	8.3	3.3	1.8	1.0	.84	.73
29	1.6	1.7	e1.4	e1.6	---	4.7	8.3	3.2	1.8	1.0	.82	.74
30	1.9	1.7	e1.4	e1.5	---	4.6	8.0	3.2	1.7	.99	.83	.75
31	1.8	---	e1.4	e1.4	---	4.6	---	3.1	---	e.99	.84	---
TOTAL	45.4	49.6	47.8	43.1	48.9	96.8	210.8	152.0	71.8	40.98	27.36	24.67
MEAN	1.46	1.65	1.54	1.39	1.75	3.12	7.03	4.90	2.39	1.32	.88	.82
MAX	1.9	1.8	1.8	1.6	1.9	4.7	8.3	7.7	3.1	1.6	1.3	.94
MIN	1.2	1.6	1.3	1.1	1.5	1.8	4.5	3.1	1.7	.99	.76	.73
AC-FT	90	98	95	85	97	192	418	301	142	81	54	49

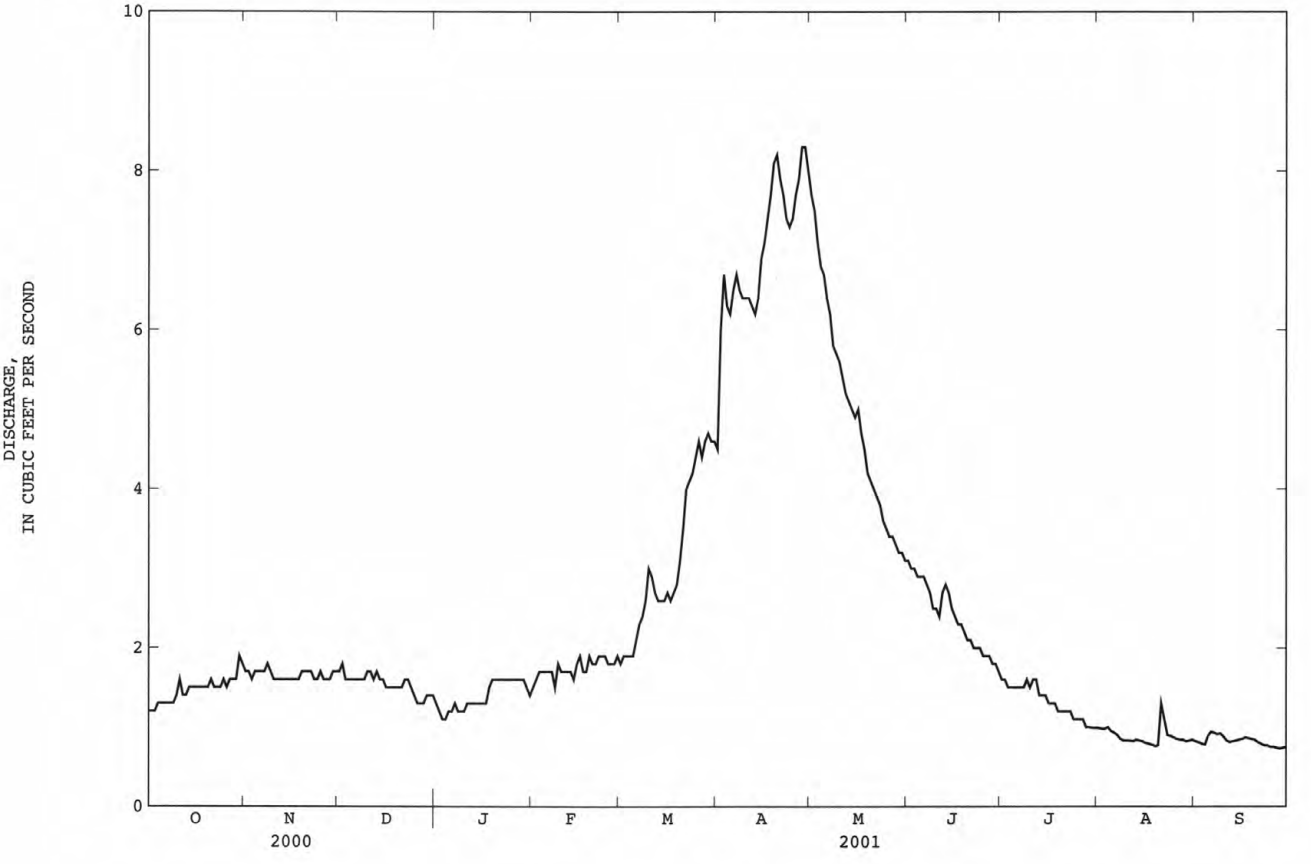
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	2.00	2.06	1.95	1.97	2.41	4.60	9.28	13.1	6.86	3.42	2.21	1.87
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

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(Hydrologic bench mark station)

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	780.25		859.21			
ANNUAL MEAN	2.13		2.35		4.31	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	5.7	Apr 14	8.3	Apr 28	95	May 28 1983
LOWEST DAILY MEAN	.68	Aug 28	.73	Sep 28	.38	Aug 9 1990
ANNUAL SEVEN-DAY MINIMUM	.78	Aug 23	.75	Sep 24	.39	Sep 10 1990
ANNUAL RUNOFF (AC-FT)	1550		1700		3130	
10 PERCENT EXCEEDS	3.7		5.9		9.9	
50 PERCENT EXCEEDS	1.7		1.6		2.5	
90 PERCENT EXCEEDS	.98		.84		1.1	

e Estimated



10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1964 to September 1995, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1, 1999 to current year.
WATER TEMPERATURE: April 1964 to September 1978, October 1998 to current year.

INSTRUMENTATION.--Temperature Recorder April 1975 to September 1978, October 1998 to current year. Conductivity data logger October 1, 1999 to current year.

REMARKS.--Specific conductivity records fair, temperature records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 751 microsiemens, Dec 19, 2000; minimum, 372 microsiemens, Feb 3, 2001.
WATER TEMPERATURE: Maximum 24.0°C, Jul 29, 31, Aug 1, 3, 4, 1969; minimum, 0.0°C, many days during winter period of most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 751 microsiemens, Dec 19; minimum, 372 microsiemens, Feb 3.
WATER TEMPERATURE: Maximum, 17.7°C, Aug 8; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)
OCT													
24...	1330	1.5	103	9.9	8.3	688	8.6	350	95.4	28.1	1.12	.3	14.3
NOV													
22...	0930	1.8	102	11.8	8.0	712	1.6	350	94.4	26.7	.97	.3	12.6
DEC													
20...	1120	1.7	103	12.3	8.2	689	.8	360	98.0	27.0	.87	.3	12.7
JAN													
18...	1150	1.5	101	12.4	8.0	726	.00	350	97.1	27.1	.88	.3	13.1
FEB													
26...	1110	1.8	104	12.4	8.3	682	.7	350	95.0	26.7	.84	.3	13.0
MAR													
29...	1330	4.8	102	10.6	8.5	576	5.3	280	80.7	19.7	.86	.3	10.3
APR													
23...	1100	7.4	102	10.7	8.4	514	5.3	250	69.2	19.0	.76	.3	9.8
MAY													
17...	1220	4.7	107	9.8	8.4	565	10.3	290	79.5	22.4	.76	.3	10.7
JUN													
18...	1100	2.3	110	10.4	8.5	603	9.7	310	82.1	25.4	.81	.3	12.0
JUL													
24...	1430	1.1	113	9.4	8.3	566	15.0	300	76.0	26.3	.84	.3	12.1
AUG													
29...	1210	.91	99	8.5	8.5	628	13.2	310	79.8	27.0	.91	.3	12.5
SEP													
14...	1030	.91	102	9.1	8.5	685	10.9	310	79.4	27.1	1.12	.3	12.7

DATE	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)	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)
OCT													
24...	251	300	3	10.9	E.1	11.4	116	<.041	<.10	.19	<.047	<.006	.039
NOV													
22...	246	300	--	11.7	.2	10.4	119	<.041	<.10	.09	<.047	<.006	.019
DEC													
20...	242	289	6	11.8	E.1	10.2	119	<.041	<.10	E.04	<.047	<.006	.020
JAN													
18...	246	300	--	13.1	E.1	10.0	126	<.041	<.10	.08	E.029	<.006	.025
FEB													
26...	232	258	13	12.5	E.1	9.4	126	<.041	<.10	E.08	<.047	<.006	.016
MAR													
29...	198	231	5	9.9	E.1	9.0	96.4	<.041	.12	.31	<.047	<.006	.022
APR													
23...	199	233	5	8.8	E.1	9.6	62.5	<.041	.11	.31	E.037	.008	.020
MAY													
17...	231	270	6	9.1	E.1	10.0	71.1	<.040	E.09	.15	<.050	<.006	.021
JUN													
18...	228	266	6	9.7	E.1	11.2	83.9	<.040	<.10	.12	E.027	<.006	.019
JUL													
24...	205	250	--	10.8	E.1	11.5	97.3	<.040	E.05	E.08	E.036	<.006	.013
AUG													
29...	210	252	2	11.4	E.1	11.5	108	<.040	<.10	.10	E.026	<.006	.016
SEP													
14...	214	253	4	11.2	E.1	11.5	108	<.040	E.08	.08	E.030	<.006	.011

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SEDIMENT, SUS-PENDED (MG/L) (80154)
OCT										
24...	.031	.048	.61	1.82	450	428	<10	E2.3	.33	82
NOV										
22...	.020	.021	.62	2.20	453	423	<10	E1.7	.19	40
DEC										
20...	E.015	.020	.61	2.02	445	428	<10	<3.2	.14	30
JAN										
18...	.020	.025	.63	1.89	466	435	<10	E2.0	.05	13
FEB										
26...	.018	.017	.60	2.17	442	423	<10	E2.1	.08	16
MAR										
29...	.020	.054	.51	4.86	375	345	M	E2.8	.48	37
APR										
23...	.022	.058	.45	6.65	333	299	<10	E2.9	.64	32
MAY										
17...	.029	.041	.46	4.26	336	342	<10	E2.7	.55	43
JUN										
18...	E.013	.026	.47	2.14	345	362	<10	E2.0	.22	36
JUL										
24...	<.020	.017	.47	1.04	349	358	<10	E2.0	.03	9
AUG										
29...	E.013	.019	.47	.86	349	377	<10	E2.0	.10	39
SEP										
14...	<.020	.020	.44	.80	327	379	<10	E1.6	.10	39

DATE	TIME	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 DIS-SOLVED (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)	CHLORPYRIFOS DIS-SOLVED (UG/L) (38933)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
FEB													
26...	1110	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAR													
29...	1330	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
APR													
23...	1100	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAY													
17...	1220	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
JUN													
18...	1100	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
JUL													
24...	1430	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
AUG													
29...	1210	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003
SEP													
14...	1030	<.002	<.004	<.002	<.005	<.007	<.010	<.002	<.041	<.020	<.005	<.018	<.003

DATE	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON D10 SRG WAT FLT 0.7 U GF, REC PERCENT (91063)	DIAZINON, DIS-SOLVED (UG/L) (39572)	DIELDRIN DIS-SOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP 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)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DIS-SOLVED (UG/L) (39532)
FEB													
26...	<.006	85	<.005	<.005	<.021	<.002	<.009	<.005	<.003	91	<.004	<.035	<.027
MAR													
29...	<.006	88	<.005	<.005	<.021	<.002	<.009	<.005	<.003	83	<.004	<.035	<.027
APR													
23...	<.006	99	<.005	<.005	<.021	<.002	<.009	<.005	<.003	84	<.004	<.035	<.027
MAY													
17...	<.006	111	<.005	<.005	<.021	<.100	<.009	<.005	<.003	97	<.004	<.035	<.027
JUN													
18...	<.006	101	<.005	<.005	<.021	<.002	<.009	<.005	<.003	85	<.004	<.035	<.027
JUL													
24...	<.006	104	<.005	<.005	<.021	<.002	<.009	<.005	<.003	94	<.004	<.035	<.027
AUG													
29...	<.006	105	<.005	<.005	<.021	<.002	<.009	<.005	<.003	84	<.004	<.035	<.027
SEP													
14...	<.006	91	<.005	<.005	<.021	<.002	<.009	<.005	<.003	92	<.004	<.035	<.027

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	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)	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)
FEB													
26...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
MAR													
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
APR													
23...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
MAY													
17...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
JUN													
18...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
JUL													
24...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
AUG													
29...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015
SEP													
14...	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006	<.011	<.015

DATE	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	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)
FEB											
26...	<.004	<.010	<.011	<.023	<.011	E.009	<.034	<.017	<.005	<.002	<.009
MAR											
29...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
APR											
23...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
MAY											
17...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JUN											
18...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
JUL											
24...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
AUG											
29...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009
SEP											
14...	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.017	<.005	<.002	<.009

E Estimated value.
< Actual value is known to be less than the value shown.

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	671	641	651	673	655	666	739	713	731	714	687	701
2	680	663	673	682	669	675	741	712	730	721	689	705
3	682	665	674	687	671	679	735	711	724	728	697	713
4	693	672	681	690	672	681	732	709	722	721	698	709
5	697	679	688	678	664	672	728	705	719	709	685	698
6	708	684	695	678	666	673	730	704	721	702	685	692
7	710	691	699	701	677	689	727	712	718	698	680	690
8	710	695	703	702	667	689	723	701	712	719	682	704
9	711	686	702	681	659	669	715	697	705	687	666	678
10	709	665	697	693	676	683	702	686	695	672	650	660
11	712	652	689	714	685	697	720	702	713	663	644	653
12	725	696	709	702	678	694	716	701	709	653	637	647
13	706	686	697	708	691	700	702	691	698	656	639	647
14	695	682	690	708	690	699	702	691	697	658	643	650
15	704	689	697	699	676	689	703	662	691	662	649	656
16	703	688	695	722	695	708	731	700	714	684	661	673
17	700	683	691	736	701	721	718	694	708	715	667	692
18	694	680	687	745	716	730	726	705	715	723	661	686
19	692	678	685	737	714	725	751	687	723	713	673	697
20	691	658	682	729	633	712	695	683	690	689	675	683
21	710	648	673	722	637	708	690	671	681	698	664	690
22	735	708	725	728	701	715	689	674	681	691	649	682
23	730	713	722	723	654	699	702	673	694	e681	e642	e668
24	717	600	681	726	608	688	701	665	687	e680	e642	e664
25	667	654	661	737	529	694	709	681	697	e680	e641	e661
26	667	654	660	725	562	713	730	699	716	682	654	672
27	661	649	656	721	604	702	726	679	711	676	600	664
28	663	644	655	722	635	709	718	685	704	675	651	668
29	671	656	663	724	686	710	720	688	706	701	638	676
30	664	607	640	729	688	710	711	678	700	687	541	624
31	672	658	665	---	---	---	718	687	705	711	678	693
MONTH	735	600	683	745	529	697	751	662	707	728	541	677

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	685	641	667	671	646	661	592	538	579	494	478	486
2	657	499	575	687	649	668	586	439	508	509	494	503
3	647	372	557	668	640	656	474	469	471	520	509	515
4	644	474	575	689	651	670	477	468	473	528	520	523
5	647	547	610	671	641	657	473	459	467	536	528	533
6	650	572	618	671	612	645	468	453	462	544	536	540
7	610	564	585	661	616	641	465	459	462	551	524	542
8	703	562	657	665	618	643	472	460	463	544	518	533
9	738	661	708	656	603	636	481	456	470	542	519	532
10	665	630	646	649	603	630	490	464	473	535	518	528
11	639	616	629	661	641	651	561	490	531	536	523	531
12	634	615	625	673	638	656	568	546	557	539	528	534
13	624	610	618	651	617	636	580	541	563	542	534	538
14	630	612	621	647	623	638	576	524	559	547	537	542
15	646	608	628	659	624	644	570	522	548	551	541	546
16	636	603	621	655	618	640	561	536	549	551	539	544
17	629	595	612	657	606	635	565	532	553	568	488	554
18	607	572	590	648	606	629	552	525	538	575	554	566
19	588	559	575	649	610	631	525	479	500	578	547	565
20	595	572	583	644	614	628	487	460	476	579	542	565
21	607	584	594	636	599	620	501	486	493	593	561	576
22	608	581	594	638	602	620	517	500	507	601	565	586
23	601	587	594	629	614	623	528	507	520	600	557	583
24	605	586	596	631	599	617	535	493	524	598	566	584
25	611	583	598	614	579	599	530	454	513	597	567	585
26	669	601	633	600	572	586	515	450	501	600	570	586
27	674	647	661	599	564	587	501	457	482	606	575	591
28	684	655	667	601	557	582	457	447	452	605	578	591
29	---	---	---	615	538	572	465	432	452	598	566	584
30	---	---	---	591	553	578	479	439	456	616	593	605
31	---	---	---	594	524	579	---	---	---	624	596	612
MONTH	738	372	616	689	524	628	592	432	503	624	478	555

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	626	597	613	---	---	---	---	---	---	---	---	---
2	625	598	613	---	---	---	---	---	---	---	---	---
3	628	606	619	---	---	---	---	---	---	---	---	---
4	635	596	619	---	---	---	---	---	---	---	---	---
5	638	605	620	---	---	---	---	---	---	---	---	---
6	627	592	610	---	---	---	---	---	---	---	---	---
7	618	584	602	---	---	---	---	---	---	607	579	595
8	608	542	592	---	---	---	---	---	---	607	587	599
9	606	578	592	---	---	---	---	---	---	622	589	607
10	605	576	591	---	---	---	---	---	---	614	580	601
11	614	581	598	---	---	---	---	---	---	609	583	597
12	609	528	593	---	---	---	---	---	---	606	578	594
13	630	590	611	---	---	---	---	---	---	606	585	596
14	628	592	609	---	---	---	---	---	---	611	591	601
15	619	590	607	---	---	---	---	---	---	614	592	604
16	615	578	600	---	---	---	---	---	---	610	589	600
17	603	579	592	---	---	---	---	---	---	607	592	600
18	619	571	591	---	---	---	---	---	---	613	587	602
19	601	570	587	---	---	---	---	---	---	612	586	599
20	594	560	579	---	---	---	---	---	---	605	585	596
21	---	---	---	---	---	---	---	---	---	607	580	593
22	---	---	---	---	---	---	---	---	---	601	586	594
23	---	---	---	---	---	---	---	---	---	601	583	593
24	---	---	---	---	---	---	---	---	---	601	577	592
25	---	---	---	---	---	---	---	---	---	601	578	592
26	---	---	---	---	---	---	---	---	---	606	587	596
27	---	---	---	---	---	---	---	---	---	608	590	600
28	---	---	---	---	---	---	---	---	---	617	595	607
29	---	---	---	---	---	---	---	---	---	620	603	612
30	---	---	---	---	---	---	---	---	---	620	601	612
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	638	528	602	---	---	---	---	---	---	622	577	599
YEAR	751	372	629									

e Estimated

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.4	8.7	10.0	5.6	4.0	4.7	1.6	.1	.7	.4	.0	.1
2	11.1	8.6	9.8	4.5	2.5	3.4	1.3	.0	.4	.1	.0	.0
3	10.9	8.8	9.7	3.8	1.5	2.5	1.6	.0	.6	.0	.0	.0
4	9.8	7.0	8.3	3.7	.9	2.2	1.7	.1	.7	.0	.0	.0
5	8.4	5.8	7.1	3.8	2.3	2.9	2.0	.3	1.0	.0	.0	.0
6	8.1	4.9	6.4	3.2	1.3	2.5	1.7	.2	.8	.0	.0	.0
7	8.6	5.8	7.1	1.9	.0	.8	1.6	.2	.8	.0	.0	.0
8	9.3	6.6	7.8	1.7	.0	.8	2.6	.4	1.4	.0	.0	.0
9	9.7	6.7	8.1	2.1	.4	1.3	2.8	1.3	2.2	.6	.0	.1
10	8.8	8.0	8.6	2.2	.2	1.4	2.8	.4	2.1	1.9	.6	1.3
11	8.0	6.2	7.1	.9	.0	.1	.9	.0	.4	2.1	1.1	1.6
12	7.4	4.9	6.1	.0	.0	.0	1.5	.4	1.0	2.3	1.4	1.8
13	6.1	5.1	5.7	1.5	.0	.5	1.7	.3	1.1	1.9	1.0	1.3
14	8.1	5.8	6.6	2.2	.4	1.1	2.5	1.3	1.9	1.9	1.0	1.3
15	7.6	4.6	5.9	.9	.0	.2	2.1	.0	.9	1.2	.0	.6
16	7.7	4.7	6.1	.7	.0	.1	.5	.0	.1	.0	.0	.0
17	8.1	5.0	6.5	.1	.0	.0	.5	.0	.0	.0	.0	.0
18	8.6	5.5	6.9	.0	.0	.0	.0	.0	.0	.1	.0	.1
19	8.5	5.7	6.9	.3	.0	.1	.1	.0	.0	.3	.1	.2
20	8.4	5.3	6.8	1.1	.0	.4	1.6	.1	.8	1.0	.3	.5
21	8.5	6.5	7.5	1.7	.2	.9	2.5	1.1	1.8	.7	.0	.3
22	7.1	5.7	6.4	2.6	1.4	1.9	2.5	1.3	1.9	1.4	.3	.8
23	8.2	5.7	6.7	2.1	.9	1.5	1.5	.4	.9	2.2	1.2	1.5
24	9.2	7.2	7.8	2.1	.5	1.2	1.5	.3	1.0	2.2	1.1	1.5
25	8.5	5.9	7.1	1.3	.0	.5	.8	.0	.3	1.7	.0	.6
26	8.3	5.9	7.0	2.8	.8	2.0	.0	.0	.0	1.3	.0	.6
27	8.1	6.5	7.1	3.2	2.5	2.8	.2	.0	.0	1.4	.3	.9
28	7.4	6.0	6.7	3.8	2.2	2.8	.4	.0	.1	2.0	.3	1.1
29	7.0	4.6	5.9	3.4	1.7	2.5	.2	.0	.0	.4	.0	.1
30	6.9	5.7	6.2	2.3	.8	1.6	.6	.0	.2	1.0	.0	.2
31	6.4	5.2	5.8	---	---	---	.2	.0	.1	.0	.0	.0
MONTH	11.4	4.6	7.2	5.6	.0	1.4	2.8	.0	.7	2.3	.0	.5

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.1	.0	.4	3.8	1.0	2.0	8.1	3.4	5.5	10.6	6.3	8.1
2	1.6	.1	.9	3.9	.0	1.7	5.9	3.6	5.0	7.5	4.0	5.6
3	2.3	1.6	2.0	4.3	1.5	2.5	5.2	3.6	4.3	7.6	3.9	5.5
4	3.2	2.0	2.4	3.8	.2	1.9	5.8	3.9	4.7	10.5	4.4	6.8
5	3.7	1.8	2.4	5.0	2.6	3.5	7.0	3.9	5.1	10.4	4.4	7.0
6	3.0	.4	1.7	6.4	2.4	3.9	5.8	3.9	4.5	10.6	4.2	7.0
7	1.2	.2	.9	6.6	2.7	4.1	6.2	3.4	4.7	11.4	4.3	7.3
8	.2	.0	.0	6.5	2.2	3.9	3.8	1.3	2.7	12.7	5.1	8.4
9	.0	.0	.0	5.3	2.7	3.9	6.7	.9	3.4	13.2	7.0	9.6
10	1.0	.0	.4	6.2	3.5	4.4	6.5	2.7	4.2	12.5	7.0	9.4
11	2.3	.6	1.3	3.9	1.7	3.0	6.2	2.3	4.0	12.7	5.9	9.0
12	2.7	1.2	1.7	4.1	.6	2.4	4.1	.3	2.4	13.3	7.2	9.9
13	2.4	1.7	2.0	6.6	2.6	4.0	6.3	1.8	3.8	11.0	7.8	9.5
14	2.0	.1	1.5	4.7	1.8	3.0	7.7	3.5	4.9	12.2	7.3	9.6
15	1.7	.0	.4	5.1	.2	2.4	9.5	3.0	5.6	12.2	8.4	10.2
16	2.0	.0	.6	2.7	.0	1.5	10.3	3.7	6.4	12.6	9.1	10.5
17	2.3	.0	.9	5.3	1.2	2.7	11.1	4.2	6.9	12.8	8.6	10.4
18	3.7	1.1	2.2	7.2	2.4	4.1	11.2	4.9	7.4	11.4	8.5	9.8
19	4.2	2.2	2.9	7.9	2.2	4.5	10.3	4.9	7.1	12.6	7.8	9.8
20	4.1	2.5	3.1	7.5	3.7	5.3	5.8	4.0	4.9	11.3	7.0	9.0
21	4.0	1.6	2.7	8.5	3.9	5.7	6.5	3.9	4.9	10.6	6.0	8.2
22	4.3	1.5	2.8	9.1	3.3	5.5	7.3	4.2	5.4	11.8	6.0	8.7
23	3.1	1.0	2.1	8.1	4.1	5.5	8.4	3.8	5.9	12.8	7.3	9.7
24	2.2	.3	1.2	8.8	3.5	5.7	10.9	4.0	6.7	13.3	7.8	10.3
25	3.7	1.3	2.2	9.5	4.0	6.1	11.9	4.6	7.5	13.8	8.8	11.0
26	3.4	.1	1.6	8.8	3.8	5.7	12.5	5.2	8.1	13.0	9.5	11.1
27	3.0	.1	1.4	7.5	2.8	4.7	11.7	5.7	8.2	12.9	9.4	11.1
28	2.3	.0	1.0	6.1	2.3	4.0	12.1	6.4	8.6	12.1	9.6	10.8
29	---	---	---	6.1	3.1	4.4	11.6	6.6	8.3	13.2	8.8	10.7
30	---	---	---	7.9	3.1	5.0	12.3	5.4	8.2	11.8	7.2	9.5
31	---	---	---	8.1	2.4	4.9	---	---	---	12.4	7.3	9.6
MONTH	4.3	.0	1.5	9.5	.0	3.9	12.5	.3	5.6	13.8	3.9	9.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.3	8.1	10.5	15.4	11.1	13.1	15.8	11.2	13.2	15.4	12.1	13.5
2	12.7	9.8	11.0	16.5	11.8	13.8	16.6	12.0	14.1	15.4	12.0	13.5
3	11.3	8.4	9.7	16.9	12.2	14.3	15.7	13.2	14.3	15.7	12.1	13.7
4	9.6	6.1	7.6	17.2	12.8	14.7	17.2	13.1	14.8	15.5	12.1	13.6
5	9.7	5.5	7.5	16.6	13.2	14.7	16.9	12.7	14.6	14.4	12.7	13.4
6	12.0	6.9	9.2	17.0	13.0	14.6	16.2	12.5	14.2	13.1	8.9	11.0
7	13.1	7.9	10.2	15.8	12.9	14.1	17.3	13.8	15.2	11.1	7.7	9.2
8	13.2	9.0	11.0	16.6	12.8	14.3	17.7	13.7	15.5	10.2	7.5	8.7
9	14.2	9.8	11.8	15.8	12.9	14.1	17.4	13.8	15.4	10.1	6.0	7.9
10	13.3	9.1	11.2	15.8	12.3	13.7	17.2	13.6	15.1	11.8	7.3	9.3
11	13.4	9.2	11.1	15.7	11.9	13.5	16.8	12.8	14.5	12.9	9.4	10.9
12	10.9	6.0	9.1	16.0	12.0	13.7	15.8	12.9	14.4	14.0	11.1	12.3
13	6.5	4.4	5.7	16.5	12.3	14.1	15.1	13.6	14.3	14.3	11.4	12.6
14	10.4	5.3	7.5	15.8	12.9	14.1	16.3	12.6	14.1	13.5	10.6	12.0
15	12.0	6.9	9.2	15.5	12.1	13.5	15.9	12.5	14.0	13.0	9.8	11.4
16	13.2	8.2	10.5	15.0	10.9	12.8	16.3	12.6	14.2	13.1	10.5	11.7
17	13.2	9.1	11.0	14.1	10.5	12.3	16.5	12.6	14.3	12.9	10.4	11.5
18	13.0	8.9	10.7	15.2	11.1	13.0	16.5	13.0	14.5	12.5	9.5	10.9
19	12.8	8.1	10.3	15.2	10.6	12.7	16.5	12.9	14.5	12.6	9.6	10.9
20	13.5	8.9	10.9	15.5	10.8	12.9	16.0	13.2	14.4	12.6	9.4	10.8
21	14.3	9.4	11.6	15.6	11.0	13.1	15.6	12.1	13.5	12.8	10.0	11.2
22	14.9	10.1	12.3	15.4	10.8	12.9	14.9	11.0	12.7	12.7	9.6	11.0
23	15.4	11.1	12.9	15.4	10.8	12.8	15.2	11.5	13.2	12.9	9.7	11.1
24	15.3	11.1	13.0	15.8	11.0	13.0	14.7	11.7	13.0	13.1	10.1	11.4
25	14.8	11.0	12.8	15.5	11.2	13.2	15.1	11.0	12.8	13.3	10.3	11.7
26	12.5	11.0	11.6	15.4	12.3	13.6	15.5	11.5	13.3	13.2	10.3	11.6
27	15.0	10.4	12.3	15.9	11.7	13.5	15.7	12.0	13.6	13.3	10.3	11.7
28	15.3	10.9	12.8	15.5	12.5	14.0	15.5	11.8	13.5	13.1	10.1	11.5
29	14.9	10.5	12.6	16.2	11.6	13.7	15.3	12.1	13.6	13.2	10.6	11.7
30	15.5	10.8	12.9	16.6	12.5	14.3	14.9	12.7	13.6	12.9	9.9	11.3
31	---	---	---	15.3	11.5	13.3	15.4	12.3	13.6	---	---	---
MONTH	15.5	4.4	10.7	17.2	10.5	13.6	17.7	11.0	14.1	15.7	6.0	11.4
YEAR	17.7	.0	6.7									

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
28...	0940	ENVIRONMENTAL	2.6	98	9.8	8.4	650	6.7	330	89
NOV										
19...	0910	FIELD BLANK	--	--	--	--	--	--	--	<.020
19...	1010	ENVIRONMENTAL	2.5	96	10.8	8.5	665	2.8	350	94
DEC										
16...	1200	ENVIRONMENTAL	E2.3	100	11.2	8.5	650	3.0	340	92
JAN										
24...	1130	ENVIRONMENTAL	E2.3	103	11.3	8.7	650	3.4	330	89
FEB										
11...	1050	ENVIRONMENTAL	E2.4	108	11.9	8.3	626	2.8	320	87
MAR										
21...	1040	ENVIRONMENTAL	3.0	122	14.2	8.6	640	1.3	310	84
APR										
27...	0920	FIELD BLANK	--	--	--	--	--	--	--	--
27...	1030	FIELD BLANK	--	--	--	--	--	--	--	E.013
27...	1120	ENVIRONMENTAL	4.2	103	9.9	8.3	550	8.4	270	72
MAY										
25...	1140	ENVIRONMENTAL	2.8	107	9.6	8.2	580	11.0	290	77
JUN										
22...	1130	ENVIRONMENTAL	1.7	109	9.8	8.4	582	11.2	290	76
JUL										
26...	1010	ENVIRONMENTAL	1.1	105	9.0	8.4	600	13.5	320	85
AUG										
16...	0940	ENVIRONMENTAL	.96	100	8.7	8.1	--	13.5	310	80
SEP										
21...	1025	FIELD BLANK	--	--	--	--	--	--	--	--
21...	1140	ENVIRONMENTAL	.96	106	9.6	8.3	636	10.3	320	83
21...	1141	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)	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...	27	.97	.3	13	263	301	10	12	<.10	11	94
NOV											
19...	<.014	<.24	--	E.060	--	--	--	<.29	<.10	<.090	<.31
19...	28	1.3	.3	13	262	303	8	12	.11	11	97
DEC											
16...	28	.93	.3	14	253	308	1	13	.20	11	98
JAN											
24...	27	.83	.3	13	249	278	12	12	.13	10	100
FEB											
11...	26	1.0	.3	13	240	285	4	12	<.10	9.6	100
MAR											
21...	23	.80	.3	12	226	261	7	11	<.10	9.8	100
APR											
27...	--	--	--	--	--	--	--	--	--	--	--
27...	<.014	<.24	--	<.090	--	--	--	<.29	<.10	<.090	<.31
27...	21	.76	.3	11	225	265	5	9.9	<.10	9.2	68
MAY											
25...	24	.81	.3	12	225	275	--	9.6	.13	10	80
JUN											
22...	25	.72	.3	12	222	270	--	10	.16	11	87
JUL											
26...	26	.82	.3	12	216	261	1	11	.17	11	100
AUG											
16...	27	1.0	.3	13	219	267	--	11	<.10	12	100
SEP											
21...	--	--	--	--	--	--	--	--	--	--	--
21...	27	1.0	.3	13	220	269	--	11	<.10	11	110
21...	--	--	--	--	--	--	--	--	--	--	--

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR 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										
28...	<.020	E.10	.14	<.050	<.010	.035	.021	.044	.53	2.74
NOV										
19...	<.020	<.10	.39	<.050	<.010	<.006	<.010	<.008	--	--
19...	<.020	<.10	<.10	<.050	<.010	.029	.024	.029	.52	2.61
DEC										
16...	<.020	<.10	<.10	<.050	<.010	.021	.016	.022	.56	E2.56
JAN										
24...	<.020	E.10	E.06	<.050	<.010	.017	.010	.020	.53	E2.44
FEB										
11...	<.020	<.10	E.05	<.050	<.010	.019	.017	.023	.56	E2.65
MAR										
21...	<.020	E.10	.12	<.050	<.010	.017	.012	.022	.53	3.18
APR										
27...	--	--	--	--	--	--	--	--	--	--
27...	<.020	<.10	<.10	<.050	<.010	<.006	<.010	<.008	--	--
27...	<.020	E.10	.11	<.050	<.010	.017	.014	.033	.47	3.91
MAY										
25...	<.020	<.10	E.08	<.050	<.010	.015	.021	.027	.47	2.59
JUN										
22...	<.020	E.10	E.08	<.050	<.010	.017	.013	.018	.45	1.52
JUL										
26...	<.020	E.10	E.09	<.050	<.010	.016	<.010	.018	.50	1.10
AUG										
16...	<.020	E.10	.12	.089	<.010	.059	.013	.024	.53	1.01
SEP										
21...	--	--	--	--	--	--	--	--	--	--
21...	<.020	E.10	E.08	<.050	<.010	.019	.020	.029	.52	1.00
21...	--	--	--	--	--	--	--	--	--	--

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...	391	405	.51	E6.9	2.7	1.5	.20	.69	98	60
NOV										
19...	<10	--	--	<10	<2.2	<.33	<.20	--	--	--
19...	386	415	.34	<10	3.7	1.0	<.20	.00	0	0
DEC										
16...	413	409	.44	<10	3.2	.97	<.20	E.58	94	74
JAN										
24...	393	404	.40	<10	2.3	.86	.20	E.01	2	44
FEB										
11...	409	392	.60	<10	E1.3	1.1	.20	E.48	74	60
MAR										
21...	392	380	.51	<10	E1.7	1.8	<.20	--	--	--
APR										
27...	--	--	--	--	--	<.33	.22	--	--	--
27...	<10	--	--	<10	<2.2	--	--	--	--	--
27...	345	327	2.0	<10	3.0	1.7	.49	.83	73	93
MAY										
25...	342	350	.60	<10	3.1	1.2	.26	.48	63	96
JUN										
22...	331	355	.30	<10	E1.8	1.0	<.20	.23	51	96
JUL										
26...	370	377	.70	<10	<1.0	.94	<.20	.22	74	96
AUG										
16...	389	377	.41	<10	<2.2	1.1	.21	.11	42	92
SEP										
21...	--	--	--	--	--	<.33	<.20	--	--	--
21...	385	387	.45	<10	E1.6	1.2	<.20	.17	66	89
21...	--	--	--	--	--	1.0	<.20	--	--	--

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

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)
OCT											
28...	0940	V7.5	<1.0	<2	60	<1.0	--	<1.0	<.80	<1.0	<1.0
JUL											
26...	1010	V20	<1.0	E1	54	<1.0	32	<1.0	<.80	<1.0	<1.0

DATE	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											
28...	<1.0	--	<1.0	1.1	<2	<1.0	--	--	--	V6.0	1.3
JUL											
26...	<1.0	6	<1.0	<1.0	1	<1.0	483	<.90	<1	V6.8	1.3

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	658	635	649	672	654	663	657	638	649	674	626	665
2	639	615	628	671	653	663	676	649	664	667	625	658
3	639	620	630	669	651	660	675	647	660	670	643	663
4	638	618	629	666	649	658	699	669	685	669	610	656
5	633	617	626	665	647	656	700	663	682	662	612	649
6	637	622	630	663	620	655	679	657	668	686	643	675
7	644	633	638	661	609	650	659	645	649	687	644	668
8	648	631	640	654	638	647	676	654	667	669	640	660
9	646	624	638	658	645	651	686	659	671	662	643	654
10	645	630	639	663	645	654	668	649	656	656	632	644
11	648	631	642	661	642	652	688	664	674	649	624	638
12	654	631	647	662	645	654	666	649	659	659	635	651
13	655	639	648	663	644	654	660	640	651	665	642	654
14	656	639	648	664	646	655	684	660	674	658	638	648
15	659	646	652	663	642	653	699	661	680	658	637	646
16	669	654	662	656	638	648	666	648	657	645	623	635
17	673	653	664	651	633	643	656	646	650	651	634	642
18	670	651	662	666	645	659	664	647	657	648	627	636
19	668	645	660	675	652	664	663	656	660	652	635	642
20	668	644	659	661	648	655	665	654	660	658	632	647
21	666	621	655	664	641	655	667	644	655	657	626	637
22	664	641	655	676	656	666	674	663	670	665	646	656
23	663	643	654	687	666	678	687	667	677	675	650	663
24	659	640	651	698	665	682	688	666	677	660	636	649
25	659	641	651	674	654	663	684	628	672	647	594	623
26	659	636	650	660	646	654	666	632	660	661	641	653
27	667	649	654	660	647	654	673	659	666	678	658	668
28	661	648	656	664	649	657	677	616	668	700	658	680
29	667	654	661	661	649	655	677	652	670	708	656	685
30	675	658	667	655	645	651	679	636	670	702	655	681
31	672	652	663	---	---	---	677	651	665	671	643	658
MONTH	675	615	649	698	609	657	700	616	665	708	594	654

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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
		FEBRUARY			MARCH			APRIL			MAY	
1	683	649	664	643	617	630	611	574	595	590	563	575
2	671	645	659	639	611	626	607	573	592	611	564	585
3	669	644	657	646	616	632	604	568	588	598	550	572
4	660	634	649	645	612	630	597	557	577	565	549	558
5	660	632	647	636	615	626	572	543	557	582	555	567
6	658	631	647	641	618	631	570	539	554	589	565	578
7	662	632	648	646	618	634	568	536	555	590	551	574
8	658	626	643	642	619	631	571	535	556	595	564	583
9	649	619	636	637	612	625	567	540	555	597	570	584
10	649	620	637	638	611	627	564	540	552	591	562	577
11	642	616	631	648	611	630	566	529	551	595	570	584
12	649	603	630	633	602	621	561	525	544	599	577	588
13	655	638	647	642	601	623	550	524	538	607	571	590
14	650	594	629	634	605	621	540	490	513	598	564	583
15	664	594	643	631	608	620	519	491	503	593	561	578
16	670	647	659	643	601	625	513	495	505	593	568	582
17	662	640	653	628	597	613	510	496	504	593	570	579
18	664	640	654	636	593	617	516	498	508	592	570	583
19	685	639	666	627	601	616	519	507	511	598	561	581
20	675	633	654	631	601	616	527	495	511	594	560	579
21	655	563	629	641	591	618	518	497	509	591	557	576
22	650	569	630	631	590	612	520	511	516	588	554	573
23	659	645	652	626	596	611	523	510	516	586	552	571
24	657	637	647	627	592	611	528	516	522	585	562	575
25	676	643	660	625	586	607	553	528	537	586	526	564
26	684	641	660	616	577	600	574	553	562	588	548	573
27	658	627	644	614	572	595	606	569	589	593	561	579
28	649	620	635	592	563	579	569	561	565	588	555	575
29	658	618	639	601	569	587	586	566	575	587	556	574
30	---	---	---	596	574	586	593	584	588	588	555	573
31	---	---	---	606	571	593	---	---	---	588	558	575
MONTH	685	563	647	648	563	616	611	490	545	611	526	577

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	596	561	580	581	548	566	574	545	561	588	572	580
2	590	552	574	576	544	563	572	550	563	584	565	576
3	585	552	571	576	545	562	575	553	565	582	564	573
4	584	551	570	576	547	564	574	560	568	579	561	571
5	582	547	567	579	548	565	578	554	568	581	564	572
6	582	548	568	578	547	565	579	555	569	594	578	587
7	584	546	567	578	547	565	578	556	568	600	581	591
8	580	545	564	575	548	563	580	556	569	599	578	589
9	580	561	572	573	543	561	579	554	568	605	579	594
10	588	555	573	577	557	568	585	559	573	605	586	596
11	584	550	569	581	553	570	579	557	570	604	577	589
12	583	552	567	580	551	568	589	562	578	602	580	591
13	575	546	564	578	547	565	587	576	583	598	579	590
14	582	547	566	576	542	563	584	559	575	599	583	592
15	580	542	563	575	551	564	589	563	575	604	588	596
16	581	549	566	574	542	561	617	589	596	609	592	601
17	582	548	567	572	543	560	606	584	597	606	593	600
18	580	560	571	571	542	561	601	575	593	608	584	596
19	578	554	568	572	545	561	614	590	602	600	582	592
20	582	553	569	575	545	563	605	584	596	604	586	595
21	582	551	568	574	545	562	606	582	594	640	592	613
22	579	545	565	574	545	562	601	575	589	646	589	637
23	576	544	562	574	543	562	596	581	590	665	558	626
24	575	542	561	574	543	561	598	577	589	659	632	649
25	574	541	560	574	543	561	597	574	587	647	631	638
26	573	542	559	572	541	559	594	575	585	641	620	631
27	574	543	561	574	542	561	596	575	587	632	620	626
28	575	543	561	574	544	562	598	576	588	630	590	622
29	576	542	560	574	542	561	597	571	586	642	626	634
30	573	548	561	573	541	560	593	548	584	646	631	640
31	---	---	---	574	545	561	582	560	570	---	---	---
MONTH	596	541	566	581	541	563	617	545	580	665	558	603

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR 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
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.3	6.5	7.7	5.7	3.0	4.3	5.1	2.2	4.3	1.5	.3	.9
2	8.2	4.9	6.5	6.0	2.9	4.3	2.3	.5	1.4	1.3	.0	.7
3	8.2	5.1	6.5	6.3	3.0	4.5	2.3	.3	1.2	.4	.0	.2
4	8.8	5.2	6.9	6.6	3.7	5.0	.3	.0	.0	2.1	.3	1.1
5	9.7	6.5	8.0	6.6	3.7	5.1	1.0	.0	.3	1.9	.7	1.2
6	9.3	6.9	8.3	6.8	3.8	5.1	2.4	.5	1.4	.8	.0	.2
7	8.8	6.9	7.9	7.6	4.5	5.9	2.7	1.3	1.9	1.3	.2	.6
8	9.0	5.9	7.3	7.6	5.9	6.8	2.1	.3	1.2	1.5	.8	1.2
9	9.7	6.5	8.0	6.8	4.3	5.6	2.1	.0	1.0	2.4	1.0	1.7
10	10.2	7.1	8.5	6.3	3.4	4.7	2.4	1.1	1.8	2.3	1.0	1.9
11	10.5	7.3	8.7	6.8	3.8	5.2	1.5	.0	.6	3.5	2.3	2.7
12	10.0	6.9	8.4	6.2	3.5	4.7	3.0	1.5	2.3	2.7	1.3	2.2
13	9.7	6.3	7.9	5.9	3.2	4.3	3.0	.8	2.0	3.2	1.1	2.2
14	9.3	5.9	7.5	5.6	2.7	4.0	1.0	.0	.3	3.7	2.3	2.9
15	7.9	5.2	6.6	6.2	2.9	4.4	1.6	.0	.5	3.8	2.3	3.1
16	5.9	3.2	4.6	6.5	4.0	5.1	3.4	1.6	2.7	4.5	3.4	3.9
17	5.7	2.4	4.0	7.1	3.8	5.6	3.7	2.7	3.2	4.6	3.4	3.9
18	6.3	2.9	4.4	4.5	2.9	3.8	3.7	2.3	2.9	4.1	3.7	3.9
19	6.5	3.4	4.7	4.1	1.9	3.0	3.0	1.9	2.5	4.9	3.5	4.1
20	6.9	3.2	4.9	5.2	3.5	4.5	3.0	1.9	2.5	5.2	3.0	4.0
21	7.3	3.4	5.1	3.5	1.5	2.6	3.2	1.0	2.2	4.8	2.8	3.8
22	7.3	3.7	5.2	2.7	.8	1.9	1.5	.3	.8	3.4	1.7	2.7
23	7.1	3.5	5.2	1.5	.0	.6	1.0	.0	.3	2.4	.3	1.5
24	7.6	4.1	5.7	1.3	.0	.4	1.0	.0	.4	4.5	2.4	3.3
25	7.6	4.1	5.7	3.4	1.0	2.4	1.8	.2	.7	4.1	3.4	3.8
26	7.7	4.3	5.8	5.1	3.4	4.0	2.7	1.6	2.0	4.8	3.2	3.8
27	7.6	4.3	6.0	5.6	3.8	4.5	2.1	.8	1.4	3.2	.2	1.5
28	7.7	5.9	6.8	5.1	3.0	3.9	1.6	.3	.9	.7	.0	.1
29	6.6	4.1	5.6	5.2	3.4	4.1	1.5	.2	.7	.2	.0	.1
30	5.7	2.6	4.0	5.7	4.5	5.0	1.3	.0	.5	.7	.0	.2
31	6.5	3.2	4.7	---	---	---	1.9	.2	.9	1.1	.3	.7
MONTH	10.5	2.4	6.4	7.6	.0	4.2	5.1	.0	1.4	5.2	.0	2.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.9	.0	.9	5.2	3.0	4.1	8.2	1.8	4.5	12.5	5.1	8.5
2	2.6	.5	1.4	6.3	3.2	4.4	8.6	2.9	5.4	13.3	6.6	9.7
3	3.0	.7	1.7	6.3	1.9	3.7	9.7	3.4	6.0	14.1	6.8	10.2
4	3.7	1.8	2.5	7.3	2.3	4.3	11.3	3.7	6.9	14.1	7.6	10.6
5	4.0	1.8	2.7	6.0	3.4	4.6	10.8	5.2	7.4	10.7	8.2	9.6
6	4.0	1.6	2.6	4.8	2.7	3.5	10.2	4.0	6.6	10.2	6.9	8.7
7	4.0	1.5	2.5	4.9	1.6	3.1	9.7	3.7	6.2	9.1	7.1	8.5
8	4.6	1.8	3.1	4.3	2.6	3.4	10.5	3.0	6.3	9.0	6.5	7.6
9	5.4	3.0	4.1	3.7	1.5	2.5	9.9	4.6	6.7	9.7	5.9	7.8
10	5.7	3.5	4.3	4.1	.7	2.3	9.1	3.7	6.3	10.8	6.5	8.7
11	4.1	2.1	3.3	4.8	1.0	2.9	11.1	3.8	6.8	6.5	4.1	5.2
12	3.7	.5	2.4	6.2	2.6	3.9	11.1	4.0	7.1	8.3	2.3	5.3
13	2.7	1.4	2.3	6.6	1.5	3.6	10.0	4.8	7.3	9.6	3.8	6.7
14	4.9	2.7	3.6	5.7	2.4	3.9	8.2	5.9	6.8	10.8	5.9	8.5
15	4.8	2.6	3.5	4.1	1.8	3.3	9.3	5.1	6.6	11.6	7.7	9.4
16	4.3	2.3	3.3	6.2	.7	3.0	7.9	4.8	6.4	9.3	6.8	8.2
17	3.7	1.9	2.9	3.8	.7	2.5	8.8	5.9	7.2	9.0	6.2	7.6
18	3.7	1.5	2.4	6.0	1.1	3.1	6.7	5.1	5.8	10.2	6.9	8.6
19	2.7	.0	1.2	3.8	1.5	2.6	7.4	4.6	5.8	11.6	6.8	9.0
20	4.5	.7	2.5	3.5	.8	1.9	11.1	3.7	7.0	12.2	6.8	9.4
21	6.2	3.0	4.4	5.4	.0	2.2	10.5	5.2	7.6	12.8	7.7	10.2
22	5.1	3.1	3.9	7.1	1.0	3.5	11.8	6.5	8.6	13.3	8.6	10.9
23	4.1	2.4	3.3	6.8	2.1	4.1	9.7	5.9	7.7	13.6	9.1	11.3
24	3.5	.0	2.0	7.3	1.9	4.3	10.4	5.1	7.2	11.3	9.7	10.6
25	1.3	.0	.5	8.3	2.7	5.1	11.9	4.3	7.6	13.3	9.4	10.9
26	2.6	.0	1.2	9.7	4.0	6.2	12.7	5.7	8.8	12.7	9.4	10.8
27	4.1	2.1	3.1	9.6	3.0	5.9	14.1	6.3	9.7	13.5	8.3	10.8
28	4.0	2.6	3.3	6.8	3.7	5.6	12.2	7.1	9.6	14.4	9.7	11.9
29	5.4	1.8	3.5	7.4	1.9	4.2	10.7	6.2	8.0	14.3	9.5	11.7
30	---	---	---	4.9	2.1	3.4	11.1	4.0	7.3	13.7	8.9	11.2
31	---	---	---	7.7	1.6	4.0	---	---	---	12.3	8.3	10.0
MONTH	6.2	.0	2.7	.7	.0	3.7	14.1	1.8	7.0	14.4	2.3	9.3

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE 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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.6	5.9	8.8	15.0	10.7	12.6	17.3	13.5	15.2	12.5	11.3	11.9
2	13.4	7.9	10.5	15.2	10.7	12.8	16.3	13.7	14.9	12.7	10.0	11.1
3	13.8	8.7	11.1	14.6	10.4	12.3	16.3	14.0	15.0	12.5	9.1	10.7
4	14.1	8.9	11.3	14.2	9.9	11.9	16.0	13.7	14.6	12.8	9.4	11.1
5	14.2	9.5	11.6	14.1	9.3	11.5	16.2	12.7	14.2	13.3	10.5	11.7
6	14.3	9.4	11.7	14.2	9.7	11.7	16.2	12.1	14.0	11.6	9.3	10.2
7	14.5	9.4	11.8	14.4	9.4	11.8	16.5	12.9	14.5	11.3	8.0	9.6
8	13.7	10.6	11.9	14.1	10.7	12.3	16.2	12.6	14.3	11.9	9.7	10.7
9	11.3	8.6	9.6	14.6	11.3	12.9	16.5	13.2	14.7	11.8	9.3	10.4
10	12.0	7.5	9.7	13.8	11.8	12.6	16.7	13.5	15.0	12.1	8.6	10.2
11	13.4	8.4	10.7	15.2	10.7	12.6	16.7	13.5	14.8	12.2	9.0	10.5
12	12.1	9.3	10.7	15.5	10.7	12.8	16.0	11.8	13.8	12.8	9.7	11.2
13	13.0	9.6	10.9	16.0	11.4	13.4	16.2	12.3	14.0	13.1	10.2	11.5
14	13.3	8.0	10.5	15.8	12.1	13.6	15.9	11.8	13.7	13.8	10.5	12.0
15	13.9	9.1	11.2	14.2	12.2	13.2	15.6	12.9	13.9	13.9	10.7	12.2
16	12.2	8.2	10.1	16.4	12.3	14.1	16.4	13.0	14.4	14.1	11.0	12.4
17	12.1	7.7	9.7	16.6	12.9	14.5	16.4	12.7	14.4	14.1	11.8	12.8
18	10.8	8.5	9.7	16.1	12.3	13.9	15.3	13.3	14.1	12.8	10.5	11.6
19	12.0	9.2	10.3	15.9	11.9	13.6	15.8	12.4	13.9	13.0	10.4	11.5
20	12.1	7.6	9.7	15.6	11.1	13.1	15.0	11.8	13.4	12.2	10.0	11.0
21	12.9	7.8	10.1	15.9	11.6	13.4	14.4	10.7	12.4	10.7	9.6	10.2
22	13.7	8.7	11.1	16.2	11.4	13.6	15.0	11.4	13.0	10.5	7.6	9.7
23	14.5	10.0	12.0	16.2	12.0	13.9	14.4	12.2	13.2	7.6	4.9	5.7
24	14.8	10.3	12.3	16.2	12.2	13.9	15.7	12.2	13.7	6.9	4.6	5.7
25	14.8	10.7	12.5	16.1	11.9	13.8	15.3	12.5	13.8	8.2	5.2	6.6
26	14.0	10.9	12.1	16.9	12.8	14.5	15.5	13.0	14.1	9.0	5.9	7.4
27	14.8	10.1	12.1	16.6	12.3	14.2	15.0	12.7	13.7	9.9	6.9	8.4
28	14.9	10.1	12.2	16.2	12.3	14.1	14.9	12.2	13.4	11.6	9.0	10.0
29	14.9	10.1	12.3	16.2	12.3	14.1	15.0	12.2	13.5	11.4	9.0	10.2
30	13.6	10.5	11.9	16.9	12.8	14.5	13.7	12.6	13.2	11.1	8.8	9.8
31	---	---	---	17.1	13.1	14.9	13.3	11.9	12.4	---	---	---
MONTH	14.9	5.9	11.0	17.1	9.3	13.3	17.3	10.7	14.0	14.1	4.6	10.3

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										
21...	1030	ENVIRONMENTAL	3.0	99	10.0	8.5	612	6.8	310	83
NOV										
16...	1020	ENVIRONMENTAL	3.1	99	11.0	8.4	643	2.9	330	88
DEC										
18...	1110	ENVIRONMENTAL	2.4	99	11.3	8.6	650	1.8	320	88
JAN										
14...	1100	ENVIRONMENTAL	2.3	--	--	8.4	636	1.5	330	90
FEB										
24...	1100	ENVIRONMENTAL	2.7	96	10.7	8.3	631	3.0	330	89
MAR										
05...	0733	EQUIPMENT BLANK	--	--	--	--	--	--	--	<.020
18...	1410	ENVIRONMENTAL	4.4	100	9.8	8.6	585	7.5	310	85
APR										
15...	0930	ENVIRONMENTAL	10	98	10.9	8.5	512	3.3	260	75
21...	0300	ENVIRONMENTAL	14	104	10.7	8.6	480	4.8	240	68
29...	1040	ENVIRONMENTAL	20	--	10.6	8.5	424	5.9	210	60
MAY										
19...	0950	ENVIRONMENTAL	18	103	10.2	8.6	500	7.0	260	70
JUN										
17...	1100	ENVIRONMENTAL	8.1	107	9.9	8.6	570	9.9	290	79
JUL										
22...	1010	ENVIRONMENTAL	4.2	105	9.7	8.3	590	10.6	290	76
AUG										
19...	0900	ENVIRONMENTAL	2.9	106	9.5	8.3	600	11.5	280	72
SEP										
03...	0940	ENVIRONMENTAL	3.3	100	9.4	8.3	600	9.0	310	82
24...	1020	ENVIRONMENTAL	2.4	103	9.8	8.4	610	9.0	310	79

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, 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											
21...	26	1.0	.3	13	255	304	4	12	.14	11	83
NOV											
16...	27	.94	.3	13	235	279	4	12	.14	11	84
DEC											
18...	25	.82	.3	12	230	277	2	13	.11	10	89
JAN											
14...	26	.81	.3	13	242	283	6	12	.13	10	96
FEB											
24...	25	.89	.3	13	231	274	3	13	.12	10	95
MAR											
05...	E.002	<.10	--	E.058	--	--	--	<.10	<.10	<.050	<.10
18...	22	.84	.3	12	217	252	6	11	.13	10	86
APR											
15...	19	.91	.3	11	201	237	4	10	.11	10	54
21...	18	.89	.3	10	201	237	4	8.5	.11	9.7	47
29...	15	.87	.3	9.1	183	214	5	--	.11	10	--
MAY											
19...	19	.77	.3	10	230	272	4	7.6	.14	10	42
JUN											
17...	23	.84	.3	12	253	299	5	10	.19	11	58
JUL											
22...	25	.70	.3	13	253	309	--	12	.12	11	67
AUG											
19...	26	.90	.3	13	236	288	--	12	.11	11	77
SEP											
03...	26	1.3	.3	13	246	291	4	12	.12	11	78
24...	27	.97	.3	13	237	290	3	12	.11	11	86

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										
21...	<.020	<.10	<.10	<.050	<.010	E.039	.037	E.032	.55	3.27
NOV										
16...	<.020	<.10	.12	.055	<.010	<.050	.022	E.032	.56	3.45
DEC										
18...	.022	<.10	<.10	<.050	<.010	<.050	.024	<.050	.55	2.67
JAN										
14...	.031	<.10	<.10	<.050	<.010	.020	.022	.023	.53	2.39
FEB										
24...	.026	<.10	E.08	<.050	<.010	.018	.015	.025	.53	2.84
MAR										
05...	<.020	<.10	E.05	<.050	<.010	<.004	.021	.005	--	--
18...	<.020	E.10	.23	<.050	<.010	.017	.017	.039	.52	4.50
APR										
15...	<.020	.11	.36	.142	<.010	.026	.030	.094	.44	8.67
21...	.032	.14	1.0	.145	<.010	.033	.035	.327	.41	11.5
29...	.036	.17	.69	.118	<.010	.035	.036	.233	--	--
MAY										
19...	<.020	E.10	.33	.070	<.010	.026	.027	.110	.43	15.4
JUN										
17...	<.020	E.10	.14	<.050	<.010	.022	.025	.040	.45	7.20
JUL										
22...	<.020	<.10	E.09	<.050	<.010	.018	.015	.024	.40	3.37
AUG										
19...	<.020	.11	E.08	<.050	<.010	.014	.013	.016	.44	2.51
SEP										
03...	<.020	E.10	.15	.063	<.010	.027	.030	.036	.51	3.37
24...	<.020	.11	.13	<.050	<.010	<.050	.014	.021	.44	2.10

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued
(National Water-Quality Assessment Program Station)

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										
21...	404	384	--	E9.2	4.7	1.4	<.20	.19	24	--
NOV										
16...	412	378	--	E8.2	4.6	.80	<.20	.18	22	--
DEC										
18...	405	376	--	<10	<3.0	.70	<.20	.12	18	--
JAN										
14...	389	393	--	<10	4.8	1.1	<.20	.38	62	--
FEB										
24...	391	384	--	<10	4.8	1.1	<.20	.60	83	--
MAR										
05...	<10	--	--	<10	<3.0	--	--	--	--	--
18...	379	359	--	<10	E1.7	1.9	.30	.68	58	--
APR										
15...	321	302	--	E6.4	E2.7	2.9	1.4	5.1	188	60
21...	303	283	--	E6.8	3.5	--	--	4.6	122	45
29...	267	--	--	E9.7	E2.5	3.8	3.5	8.8	162	53
MAY										
19...	316	299	--	<10	E2.4	2.1	1.3	6.0	124	62
JUN										
17...	329	346	--	<10	4.3	1.6	.60	1.7	78	76
JUL										
22...	297	356	1.9	<10	4.5	1.2	.20	.10	9	88
AUG										
19...	320	353	.35	<10	3.6	1.1	--	.04	6	73
SEP										
03...	378	371	.50	E8.6	4.2	2.0	.30	.16	18	41
24...	324	376	.34	<10	3.6	1.3	<.20	.69	107	88

10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in NE¼SW¼SW¼ sec. 2, T. 10 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA.--25.0 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)
Aug 21	0015	*9.0	*1.22				

Minimum daily discharge, 2.0 ft^3/s, Feb 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	3.2	3.2	3.2	e2.6	2.2	2.5	3.7	2.6	2.2	2.2	2.6
2	2.9	3.0	3.2	3.1	e2.5	2.3	2.5	3.7	2.6	2.2	2.2	2.6
3	2.9	2.9	3.2	2.9	e2.5	2.5	2.4	3.7	2.7	2.3	2.3	2.7
4	2.7	3.0	3.2	2.9	e2.4	2.4	2.2	3.5	2.7	2.2	2.3	2.7
5	2.6	3.2	3.2	2.9	e2.3	2.5	2.4	3.4	2.6	2.3	2.3	2.6
6	2.6	3.2	3.2	2.9	e2.2	2.5	2.5	3.1	2.6	2.3	2.2	2.7
7	2.6	3.2	3.2	2.9	e2.2	2.5	2.8	2.9	2.5	2.4	2.2	2.7
8	2.5	2.9	3.2	2.6	e2.1	2.5	2.7	2.9	2.5	2.4	2.2	2.7
9	2.5	3.2	3.2	2.7	e2.0	2.9	2.8	2.9	2.4	2.6	2.2	2.7
10	3.2	3.2	3.2	2.7	e2.1	3.4	2.7	2.9	2.4	2.4	2.2	2.7
11	3.3	3.0	3.2	2.7	e2.2	3.1	2.7	3.1	2.4	2.4	2.2	2.8
12	2.9	2.9	3.2	2.7	e2.3	2.9	2.7	3.2	2.5	2.4	2.2	2.9
13	2.7	2.9	3.2	2.7	e2.4	2.9	2.8	3.2	2.7	2.3	2.4	2.9
14	2.7	2.9	3.2	2.7	2.7	2.9	2.9	3.1	2.6	2.6	2.4	2.9
15	2.7	2.9	3.2	2.7	2.5	2.8	2.8	2.9	2.6	2.6	2.4	2.8
16	2.7	2.9	3.0	2.7	2.5	3.0	2.7	2.9	2.6	2.3	2.4	2.9
17	2.7	3.2	2.9	e2.6	2.5	2.9	2.6	2.9	2.4	2.3	2.2	3.2
18	2.7	3.2	3.9	e2.5	2.5	2.8	2.6	2.9	2.4	2.1	2.1	3.0
19	2.7	3.2	2.9	e2.5	2.6	2.7	2.5	2.9	2.5	2.2	2.1	2.8
20	2.6	3.2	3.0	e2.4	2.7	2.8	2.8	2.9	2.5	2.2	2.3	2.8
21	2.6	3.2	3.2	e2.4	2.6	2.9	2.9	2.8	2.5	2.2	3.1	2.6
22	2.7	3.2	3.2	e2.3	2.6	2.9	2.9	2.7	2.5	2.2	2.5	2.7
23	2.9	3.2	3.2	e2.3	2.7	2.7	2.9	2.7	2.5	2.2	2.3	2.6
24	2.9	3.2	3.2	e2.3	2.5	2.6	2.9	2.7	2.4	2.3	2.3	2.6
25	2.9	3.2	3.2	e2.4	2.5	2.5	2.9	2.7	2.4	2.2	2.4	2.5
26	2.8	3.2	3.2	e2.4	2.3	2.5	2.9	2.6	2.5	2.2	2.4	2.5
27	3.0	3.2	3.2	e2.5	2.2	2.5	2.9	2.6	2.5	2.1	2.5	2.5
28	3.0	3.2	3.2	e2.6	2.2	2.5	3.2	2.5	2.4	2.1	2.5	2.5
29	3.0	3.2	3.2	e2.8	---	2.5	3.7	2.6	2.3	2.1	2.6	2.6
30	4.1	3.4	3.2	e2.9	---	2.5	3.7	2.7	2.2	2.1	2.6	2.4
31	3.2	---	3.2	e2.8	---	2.5	---	2.7	---	2.2	2.6	---
TOTAL	88.1	93.5	98.9	82.7	67.4	83.1	83.5	92.0	75.0	70.6	72.8	81.2
MEAN	2.84	3.12	3.19	2.67	2.41	2.68	2.78	2.97	2.50	2.28	2.35	2.71
MAX	4.1	3.4	3.9	3.2	2.7	3.4	3.7	3.7	2.7	2.6	3.1	3.2
MIN	2.5	2.9	2.9	2.3	2.0	2.2	2.2	2.5	2.2	2.1	2.1	2.4
AC-FT	175	185	196	164	134	165	166	182	149	140	144	161

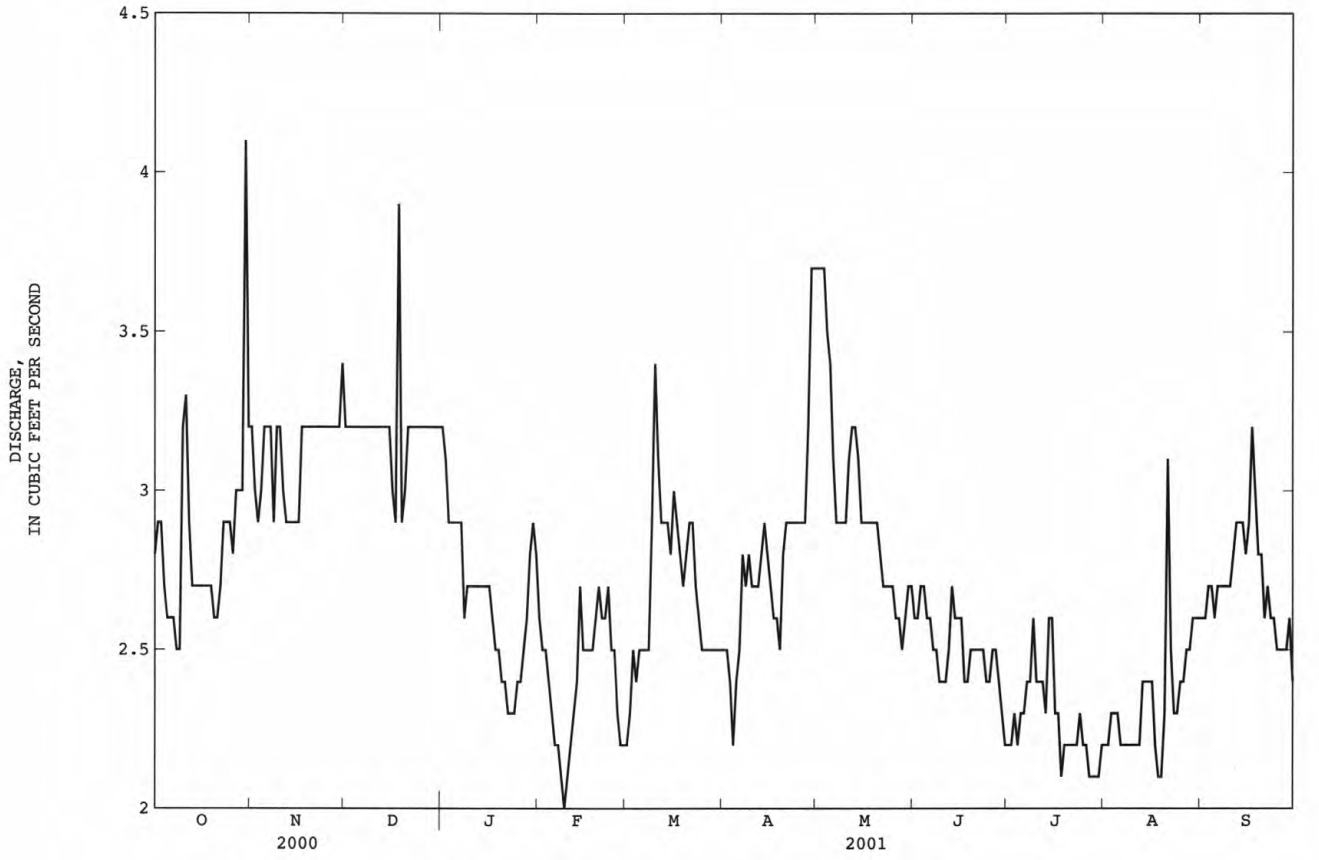
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2001, BY WATER YEAR (WY)

MEAN	3.14	3.07	2.96	2.91	2.98	3.45	5.72	6.75	4.31	3.41	3.13	3.08
MAX	9.08	8.89	7.93	7.92	7.65	9.30	21.6	40.0	19.3	12.3	10.1	9.61
(WY)	1984	1985	1985	1985	1985	1985	1983	1983	1983	1983	1983	1983
MIN	1.06	1.20	1.23	1.08	1.32	1.42	1.42	1.20	1.20	1.05	1.01	1.11
(WY)	1960	1960	1960	1961	1961	1961	1961	1961	1961	1961	1961	1959

10172700 VERNON CREEK NEAR VERNON, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1959 - 2001	
ANNUAL TOTAL	1278.7		988.8			
ANNUAL MEAN	3.49		2.71		3.75	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	5.8	Apr 29	4.1	Oct 30	70	Apr 24 1983
LOWEST DAILY MEAN	2.4	Sep 18	2.0	Feb 9	.84	Dec 18 1967
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 13	2.1	Jul 25	.93	Jul 21 1961
ANNUAL RUNOFF (AC-FT)	2540		1960		2710	
10 PERCENT EXCEEDS	4.5		3.2		7.2	
50 PERCENT EXCEEDS	3.4		2.7		2.6	
90 PERCENT EXCEEDS	2.9		2.2		1.5	

e Estimated



10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT

LOCATION.--Lat 40°20'06", long 112°31'39", in NE¼SE¼SW¼ sec. 33, T. 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 September 30, 2001 (discontinued).

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,660 ft above sea level, from topographic map.

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

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, 13 ft^3/s, Apr 29, May 16, gage height, 1.59 ft; minimum daily discharge, 1.2 ft^3/s, several days in Feb and Mar.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	2.2	2.1	1.8	1.6	1.2	3.6	9.7	5.4	4.3	3.2	2.2
2	2.7	2.2	2.0	1.8	1.4	1.2	4.9	9.8	5.4	4.3	3.1	2.2
3	2.7	2.2	2.0	2.1	1.3	1.3	5.5	7.7	5.4	4.2	3.0	2.2
4	2.5	2.2	2.1	1.8	1.3	1.3	4.2	6.1	5.2	4.0	3.1	2.2
5	2.2	2.1	2.0	1.8	1.3	1.3	3.6	5.3	4.9	4.0	2.9	2.5
6	2.2	2.0	2.0	1.8	1.3	1.3	3.4	4.9	4.7	4.0	2.9	2.5
7	2.2	2.0	1.9	2.0	1.3	1.3	3.2	4.8	4.4	4.0	2.9	2.5
8	2.2	2.0	1.8	1.8	e1.3	1.4	3.2	5.8	4.3	4.0	2.9	2.5
9	2.2	2.0	1.8	1.8	e1.3	1.7	3.1	7.7	4.3	4.0	2.9	2.5
10	2.2	2.0	1.8	1.8	e1.3	1.8	2.9	9.6	4.3	4.0	2.9	2.5
11	2.2	2.0	1.8	1.8	e1.2	1.8	3.1	9.7	4.3	3.9	2.8	2.5
12	2.2	2.0	1.8	1.8	e1.2	1.8	3.1	9.9	4.3	3.8	2.7	2.5
13	2.2	2.0	1.8	1.8	e1.2	1.7	2.9	12	4.3	4.0	2.7	2.5
14	2.2	2.0	1.8	1.8	e1.3	1.6	2.7	11	4.4	4.0	2.7	2.5
15	2.2	2.0	1.8	1.8	e1.3	1.6	2.8	11	4.5	4.0	2.7	2.5
16	2.2	2.0	1.8	1.8	e1.3	1.7	4.3	12	4.5	3.9	2.7	2.5
17	2.2	2.0	1.8	e1.8	e1.2	1.6	6.5	12	4.5	3.7	2.7	2.5
18	2.2	2.0	2.1	e1.8	e1.2	1.6	7.6	10	4.5	3.7	2.7	2.5
19	2.2	2.0	2.2	e1.8	e1.2	1.6	8.7	9.2	4.5	3.6	2.7	2.5
20	2.2	2.0	1.8	1.8	e1.2	1.8	7.0	8.3	4.5	3.5	2.7	2.5
21	2.2	2.0	1.8	1.8	1.2	2.9	5.6	7.5	4.4	3.5	2.7	2.4
22	2.2	2.0	1.8	1.6	1.2	4.8	4.5	6.8	4.3	3.5	2.7	2.2
23	2.2	2.0	1.8	1.6	1.2	6.3	4.0	6.4	4.3	3.5	2.6	2.2
24	2.2	2.0	1.8	1.6	1.2	5.9	4.0	6.4	4.3	3.4	2.5	2.2
25	2.2	2.0	1.8	1.6	1.2	6.5	4.2	6.8	4.3	3.2	2.5	2.2
26	2.2	2.1	1.8	1.6	1.3	6.3	5.4	7.2	4.3	3.2	2.5	2.2
27	2.2	2.2	1.8	1.6	1.2	5.9	6.3	7.1	4.3	3.2	2.5	2.2
28	2.2	2.2	1.8	1.6	1.2	5.0	11	6.8	4.2	3.2	2.5	2.2
29	2.2	2.2	1.8	e1.6	---	4.0	12	6.4	4.3	3.2	2.5	2.2
30	2.2	2.2	1.8	1.6	---	3.5	11	6.1	4.3	3.2	2.4	2.4
31	2.2	---	1.8	e1.6	---	3.3	---	5.6	---	3.2	2.4	---
TOTAL	70.0	61.8	58.0	54.3	35.4	85.0	154.3	249.6	135.6	115.2	84.7	71.2
MEAN	2.26	2.06	1.87	1.75	1.26	2.74	5.14	8.05	4.52	3.72	2.73	2.37
MAX	2.7	2.2	2.2	2.1	1.6	6.5	12	12	5.4	4.3	3.2	2.5
MIN	2.2	2.0	1.8	1.6	1.2	1.2	2.7	4.8	4.2	3.2	2.4	2.2
AC-FT	139	123	115	108	70	169	306	495	269	228	168	141

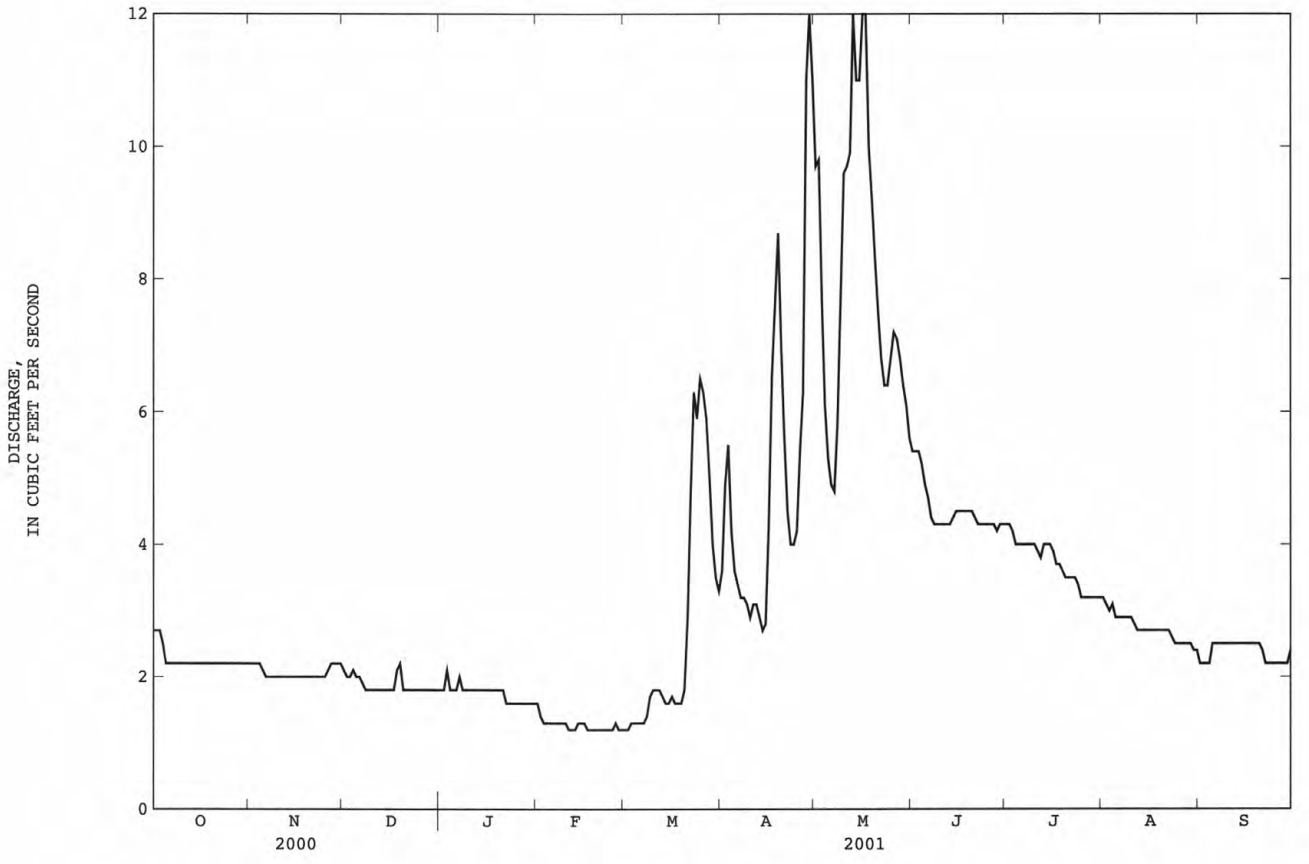
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2001, BY WATER YEAR (WY)

MEAN	2.89	2.41	2.15	1.95	2.03	3.65	6.07	10.8	10.5	6.93	4.88	3.59
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

10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1985 - 2001	
ANNUAL TOTAL	1330.2		1175.1			
ANNUAL MEAN	3.63		3.22		4.74	
HIGHEST ANNUAL MEAN					10.5	1998
LOWEST ANNUAL MEAN					1.51	1990
HIGHEST DAILY MEAN	11	Apr 28	12	Apr 29	44	Jun 6 1995
LOWEST DAILY MEAN	1.8	Mar 4	1.2	Feb 11	.74	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	1.8	Dec 8	1.2	Feb 17	.78	Dec 31 1992
ANNUAL RUNOFF (AC-FT)	2640		2330		3440	
10 PERCENT EXCEEDS	7.0		6.1		11	
50 PERCENT EXCEEDS	2.7		2.4		3.0	
90 PERCENT EXCEEDS	2.0		1.6		1.2	

e Estimated



10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'47", long 112°34'25", in SW¼NW¼SW¼ sec. 6, T. 4 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on right bank 200 ft upstream from Forest Service Guard Station, 1.7 mi above Wasatch National Forest boundary, 9.2 mi southwest of Grantsville, and 14.8 mi west of Tooele.

DRAINAGE AREA.--4.19 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 15	2200	*28	*1.56				

Minimum daily discharge, 1.8 ft^3/s, several days in Mar.

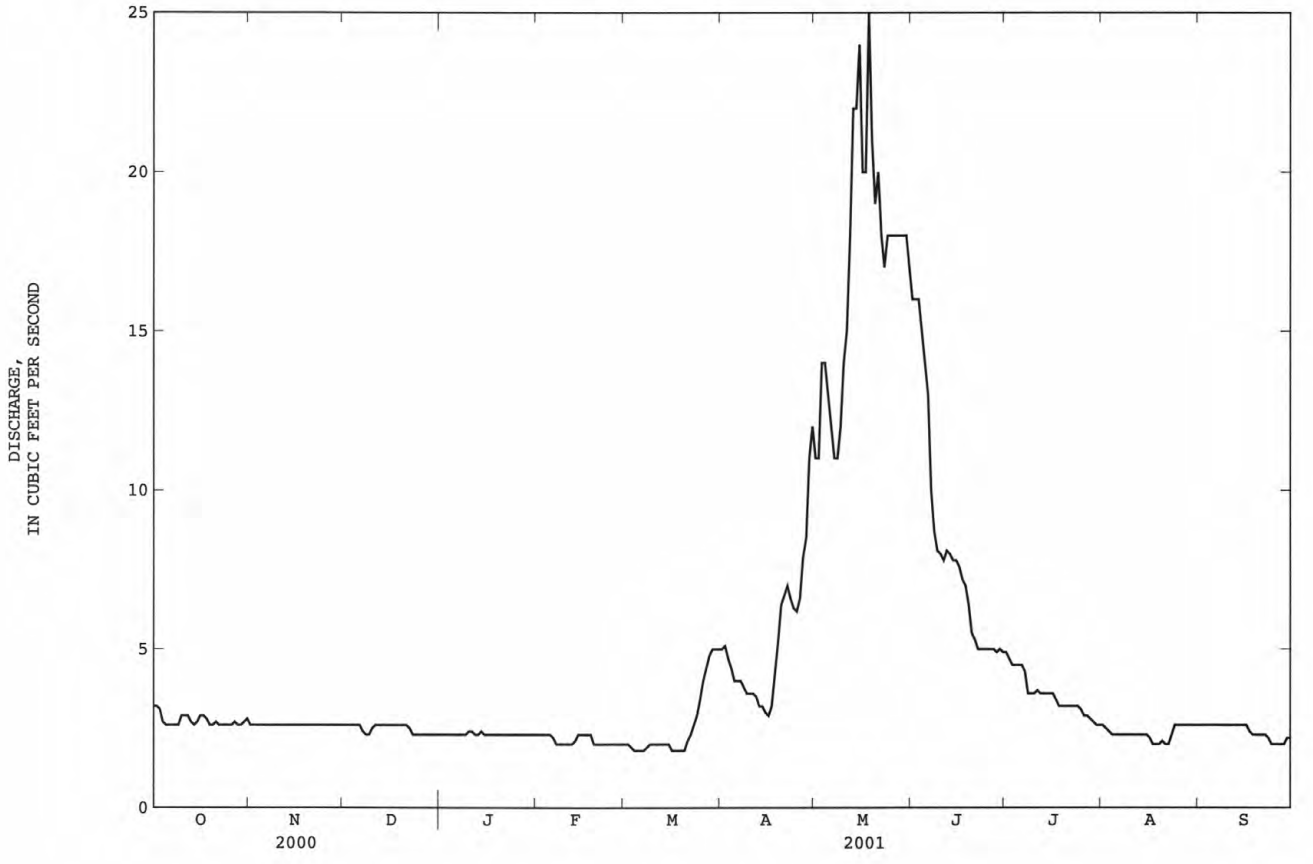
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.6	2.6	2.3	2.3	2.0	5.0	11	16	4.9	2.6	2.6
2	3.2	2.6	2.6	2.3	2.3	2.0	5.1	11	16	4.7	2.5	2.6
3	3.1	2.6	2.6	2.3	2.3	1.9	4.7	14	16	4.5	2.4	2.6
4	2.7	2.6	2.6	2.3	2.3	1.8	4.4	14	15	4.5	2.3	2.6
5	2.6	2.6	2.6	2.3	2.3	1.8	4.0	13	14	4.5	2.3	2.6
6	2.6	2.6	2.6	2.3	2.2	1.8	4.0	12	13	4.5	2.3	2.6
7	2.6	2.6	2.4	2.3	2.0	1.8	4.0	11	10	4.3	2.3	2.6
8	2.6	2.6	2.3	2.3	2.0	1.9	3.8	11	8.7	3.6	2.3	2.6
9	2.6	2.6	2.3	2.3	2.0	2.0	3.6	12	8.1	3.6	2.3	2.6
10	2.9	2.6	2.5	2.4	2.0	2.0	3.6	14	8.0	3.6	2.3	2.6
11	2.9	2.6	2.6	2.4	2.0	2.0	3.6	15	7.8	3.7	2.3	2.6
12	2.9	2.6	2.6	2.3	2.0	2.0	3.5	18	8.1	3.6	2.3	2.6
13	2.7	2.6	2.6	2.3	2.1	2.0	3.2	22	8.0	3.6	2.3	2.6
14	2.6	2.6	2.6	2.4	2.3	2.0	3.2	22	7.8	3.6	2.3	2.6
15	2.7	2.6	2.6	2.3	2.3	2.0	3.0	24	7.8	3.6	2.3	2.6
16	2.9	2.6	2.6	2.3	2.3	1.8	2.9	20	7.6	3.6	2.2	2.6
17	2.9	2.6	2.6	2.3	2.3	1.8	3.2	20	7.2	3.4	2.0	2.4
18	2.8	2.6	2.6	2.3	2.3	1.8	4.2	25	7.0	3.2	2.0	2.3
19	2.6	2.6	2.6	2.3	2.0	1.8	5.2	21	6.4	e3.2	2.0	2.3
20	2.6	2.6	2.6	2.3	2.0	1.8	6.4	19	5.5	e3.2	2.1	2.3
21	2.7	2.6	2.6	2.3	2.0	2.1	6.7	20	5.3	3.2	2.0	2.3
22	2.6	2.6	2.5	2.3	2.0	2.3	7.0	18	5.0	3.2	2.0	2.3
23	2.6	2.6	2.3	2.3	2.0	2.6	6.6	17	5.0	3.2	2.3	2.2
24	2.6	2.6	2.3	2.3	2.0	2.9	6.3	18	5.0	3.2	2.6	2.0
25	2.6	2.6	2.3	2.3	2.0	3.4	6.2	18	5.0	3.1	2.6	2.0
26	2.6	2.6	2.3	2.3	2.0	4.0	6.6	18	5.0	2.9	2.6	2.0
27	2.7	2.6	2.3	2.3	2.0	4.4	7.9	18	5.0	2.9	2.6	2.0
28	2.6	2.6	2.3	2.3	2.0	4.8	8.5	18	4.9	2.8	2.6	2.0
29	2.6	2.6	2.3	2.3	---	5.0	11	18	5.0	2.7	2.6	2.2
30	2.7	2.6	2.3	2.3	---	5.0	12	18	4.9	2.6	2.6	2.2
31	2.8	---	2.3	2.3	---	5.0	---	17	---	2.6	2.6	---
TOTAL	84.8	78.0	76.9	71.6	59.3	79.5	159.4	527	248.1	109.8	72.5	72.1
MEAN	2.74	2.60	2.48	2.31	2.12	2.56	5.31	17.0	8.27	3.54	2.34	2.40
MAX	3.2	2.6	2.6	2.4	2.3	5.0	12	25	16	4.9	2.6	2.6
MIN	2.6	2.6	2.3	2.3	2.0	1.8	2.9	11	4.9	2.6	2.0	2.0
AC-FT	168	155	153	142	118	158	316	1050	492	218	144	143
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)												
MEAN	3.69	3.42	3.06	2.97	2.96	3.68	6.44	16.3	19.6	9.77	5.24	4.16
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

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	1577.4		1639.0			
ANNUAL MEAN	4.31		4.49		6.79	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	19	May 29	25	May 18	84	Jun 1 1984
LOWEST DAILY MEAN	2.3	Dec 8	1.8	Mar 4	1.4	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	2.3	Dec 23	1.9	Mar 2	1.5	Dec 24 1990
ANNUAL RUNOFF (AC-FT)	3130		3250		4920	
10 PERCENT EXCEEDS	7.5		11		15	
50 PERCENT EXCEEDS	3.2		2.6		3.9	
90 PERCENT EXCEEDS	2.6		2.0		2.2	

e Estimated



10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¼NW¼NW¼ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 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, 23 ft^3/s, May 16, gage height, 2.06 ft; minimum daily discharge, 0.53 ft^3/s, Aug 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.4	1.1	1.0	e.94	e.99	2.0	11	11	3.8	e.66	.88
2	1.1	1.3	1.1	1.0	e.96	.99	2.1	8.8	10	3.6	e.54	.73
3	1.1	1.3	1.1	1.0	e.98	.96	2.1	8.6	9.5	3.4	e.54	.71
4	1.1	1.2	1.1	1.0	1.0	.94	2.1	8.2	8.9	3.3	e.54	.69
5	1.1	1.2	1.1	1.0	1.0	1.0	2.1	7.9	8.0	3.2	e.55	.69
6	1.2	1.1	1.1	1.1	1.0	1.4	2.0	7.6	7.1	3.3	e.54	.72
7	1.2	1.2	1.1	1.1	.97	1.7	2.1	7.8	6.5	3.3	e.55	.73
8	1.2	1.2	1.1	1.1	.95	1.8	1.8	8.6	6.1	3.6	e.54	.76
9	1.2	1.2	1.1	1.1	1.0	1.8	2.1	9.4	5.3	3.6	e.53	.76
10	1.6	1.2	.96	1.1	1.0	1.6	2.4	10	5.2	3.6	e.54	.74
11	1.6	1.2	1.1	1.1	1.0	1.4	2.1	11	5.2	3.5	e.88	.70
12	1.5	1.2	1.2	1.1	1.0	1.4	2.2	14	5.7	2.8	e.59	.71
13	1.5	1.2	1.1	1.1	1.0	1.5	2.1	16	6.1	2.5	e.59	1.1
14	1.4	1.2	e1.1	1.1	1.0	1.4	2.2	17	5.9	2.5	e.58	.87
15	1.4	1.2	e1.0	e1.0	1.0	1.6	2.5	19	5.6	2.4	e.58	.84
16	1.4	1.2	e.86	e.94	1.0	1.3	2.6	21	5.3	2.2	e.57	.80
17	1.3	1.1	.85	e.88	1.0	1.7	2.6	21	5.2	2.1	e.56	1.1
18	1.2	1.1	.80	.87	.92	1.4	2.6	19	5.0	2.0	e.57	.94
19	1.2	1.1	.83	.87	.94	1.8	2.6	17	4.9	1.8	e.57	.77
20	1.1	1.1	.93	.89	.94	2.2	2.9	16	4.7	1.6	e.58	.70
21	1.2	1.2	1.1	.97	.98	3.1	2.9	16	4.6	1.5	e.58	.68
22	1.1	1.1	1.1	1.0	.96	3.5	2.8	15	4.5	1.5	e.59	.66
23	1.2	1.0	1.1	1.0	.94	3.3	2.9	15	4.6	1.4	e.57	.66
24	1.3	1.0	1.1	1.0	.98	3.1	2.9	15	4.6	1.2	.73	.66
25	1.3	1.1	1.1	1.0	.96	3.1	3.0	15	4.7	1.1	.70	.64
26	1.2	1.1	1.1	1.0	.99	2.8	3.3	15	4.6	1.0	.68	.66
27	1.6	1.1	1.0	1.0	.99	2.3	5.0	14	4.3	e.98	.68	.66
28	1.3	1.1	1.0	e.96	e.98	2.5	6.9	14	4.1	e.80	.66	.66
29	1.4	1.1	1.0	1.0	---	2.4	8.1	14	4.0	e.72	.66	.66
30	2.2	1.1	1.0	e.96	---	2.2	8.9	13	3.9	e.66	.67	.66
31	1.6	---	1.0	e.94	---	2.1	---	12	---	e.66	1.1	---
TOTAL	40.8	34.8	32.23	31.18	27.38	59.28	91.9	416.9	175.1	69.62	19.22	22.54
MEAN	1.32	1.16	1.04	1.01	.98	1.91	3.06	13.4	5.84	2.25	.62	.75
MAX	2.2	1.4	1.2	1.1	1.0	3.5	8.9	21	11	3.8	1.1	1.1
MIN	1.0	1.0	.80	.87	.92	.94	1.8	7.6	3.9	.66	.53	.64
AC-FT	81	69	64	62	54	118	182	827	347	138	38	45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2001, BY WATER YEAR (WY)

MEAN	1.89	1.60	1.33	1.27	1.38	2.48	5.35	18.7	19.4	7.16	3.33	2.12
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	.62	.61
(WY)	1993	1995	1995	1995	1995	1977	1991	1977	1992	1994	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1972 - 2001	
ANNUAL TOTAL	1455.24		1020.95			
ANNUAL MEAN	3.98		2.80		5.51	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	40	May 24	21	May 16	150	May 28 1983
LOWEST DAILY MEAN	.80	Dec 18	.53	Aug 9	.32	Feb 15 1995
ANNUAL SEVEN-DAY MINIMUM	.91	Dec 14	.54	Aug 3	.42	Jan 19 1995
ANNUAL RUNOFF (AC-FT)	2890		2030		3990	
10 PERCENT EXCEEDS	10		7.8		13	
50 PERCENT EXCEEDS	1.5		1.1		2.0	
90 PERCENT EXCEEDS	1.1		.68		.97	

e Estimated

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

LOCATION.--Lat 37°37'22" (corrected), long 112°30'58", in SW¼SE¼NW¼ sec. 3, T. 37 S., R. 6 W., Garfield County, Hydrologic Unit 16030001, on left bank 0.5 mi upstream from West Hatch ditch diversion, 2 mi upstream from Spring Hollow, 4.5 mi upstream from mouth, and 5 mi southwest of Hatch.

DRAINAGE AREA.--105 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 Oct 1-4, 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 18	0200	*549	*4.46	Jul 10	1315	278	3.38

Minimum daily discharge, 5.0 ft^3/s, Feb 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	12	e8.0	e6.5	e5.5	e6.5	12	159	166	48	26	19
2	10	12	e8.0	e6.5	e5.0	e6.0	13	224	156	47	26	19
3	9.7	e11	e8.0	e6.5	e5.5	e6.0	15	214	148	47	26	18
4	9.6	12	e7.5	e6.5	e6.0	e6.0	16	165	141	46	25	18
5	9.9	12	e7.5	e6.5	e6.5	e6.5	15	142	136	45	24	18
6	9.8	e11	e7.5	e6.5	e6.5	e7.0	15	139	130	44	24	18
7	9.6	e10	e7.0	e6.5	e6.5	e7.5	15	151	124	43	24	18
8	9.6	e10	e7.0	e6.5	e6.0	e8.0	15	186	116	43	25	18
9	9.5	e10	e7.0	e7.0	e6.0	e9.0	14	261	107	43	26	18
10	13	e10	e7.0	e7.0	e6.0	e8.0	14	328	100	53	27	17
11	13	e10	e7.0	e6.5	e6.0	e7.0	13	356	95	40	30	17
12	12	e9.5	e7.0	e6.5	e6.0	e6.0	13	364	91	38	29	17
13	11	e9.0	e7.0	e6.0	e6.0	e6.5	13	395	90	36	29	17
14	11	e8.5	e7.0	e6.0	e6.0	e7.0	12	422	88	37	27	17
15	11	e8.0	e6.5	e6.0	e6.0	e7.0	12	442	85	36	24	17
16	11	e8.0	e6.5	e6.0	e6.0	e9.0	12	450	80	34	23	16
17	11	e8.0	e6.5	e6.0	e6.0	11	12	470	77	34	23	16
18	11	e8.0	e6.5	e6.0	e6.5	13	14	475	73	33	22	16
19	10	e8.0	e6.5	e6.0	e7.0	19	17	470	70	32	25	16
20	10	e8.5	e6.5	e6.0	e7.5	23	20	436	68	31	26	16
21	11	e9.0	e6.5	e6.0	e8.0	22	22	425	64	31	23	16
22	12	e9.0	e6.5	e6.0	e8.0	20	19	397	62	30	24	16
23	14	e9.0	e6.5	e6.0	e7.5	14	17	385	60	30	22	15
24	13	e9.0	e6.5	e6.0	e7.0	14	16	363	59	29	21	15
25	12	e8.5	e6.5	e6.0	e6.0	13	18	325	57	30	21	15
26	12	e8.5	e6.5	e6.0	e6.0	13	27	290	58	31	20	15
27	14	e8.5	e6.0	e6.0	e6.0	13	46	254	57	29	20	15
28	13	e8.5	e6.0	e6.0	e6.5	13	62	225	53	28	19	15
29	13	e8.0	e6.0	e6.0	---	13	81	208	50	27	19	e15
30	14	e8.0	e6.0	e6.0	---	12	102	187	49	27	20	e15
31	13	---	e6.5	e6.0	---	12	---	176	---	26	19	---
TOTAL	352.7	281.5	211.0	193.0	177.5	338.0	692	9484	2710	1128	739	498
MEAN	11.4	9.38	6.81	6.23	6.34	10.9	23.1	306	90.3	36.4	23.8	16.6
MAX	14	12	8.0	7.0	8.0	23	102	475	166	53	30	19
MIN	9.5	8.0	6.0	6.0	5.0	6.0	12	139	49	26	19	15
AC-FT	700	558	419	383	352	670	1370	18810	5380	2240	1470	988

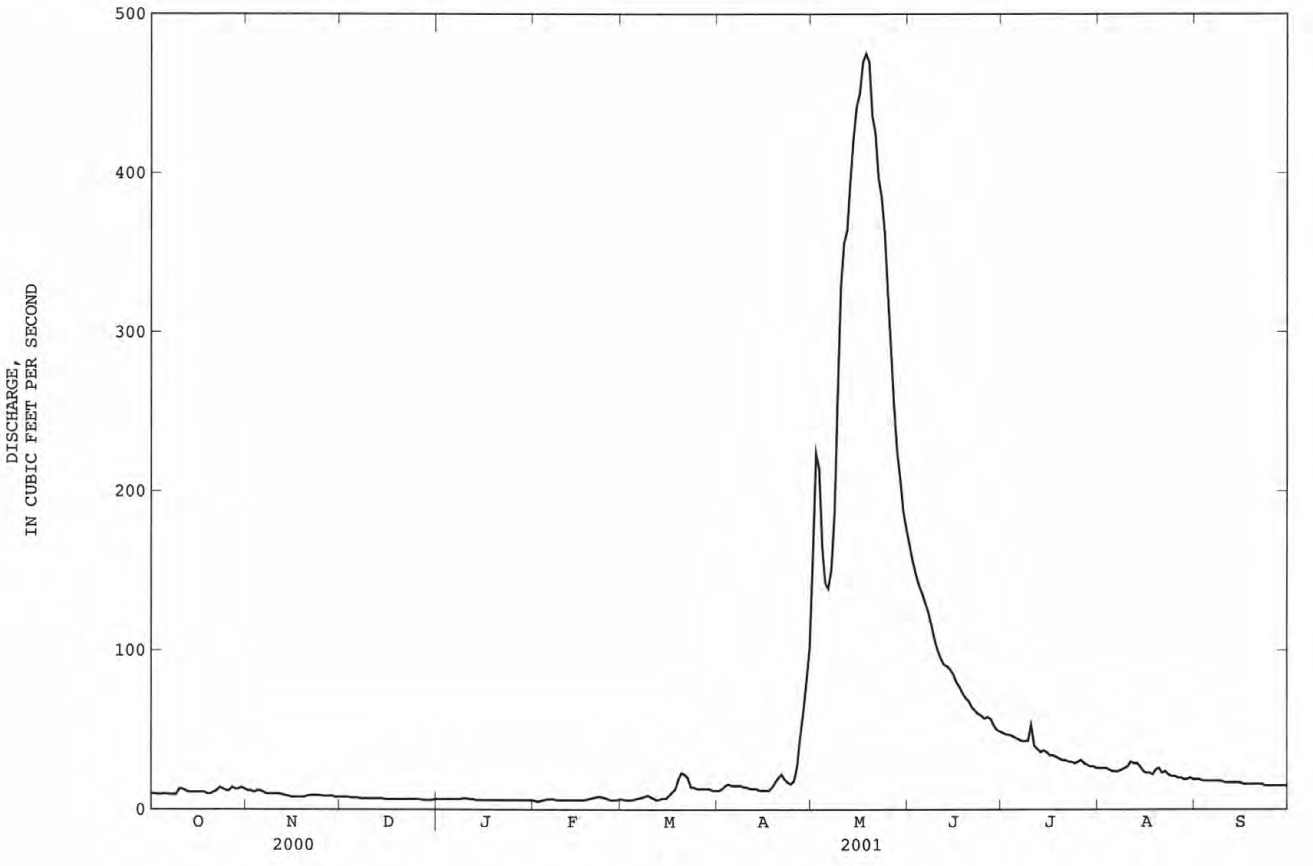
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	21.1	17.5	13.8	11.6	11.4	13.0	29.0	177	171	59.5	33.0	25.7
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

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	9953.2		16804.7			
ANNUAL MEAN	27.2		46.0		48.7	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					9.99	1977
HIGHEST DAILY MEAN	238	May 5	475	May 18	720	Jun 19 1983
LOWEST DAILY MEAN	6.0	Dec 27	5.0	Feb 2	1.1	Nov 20 1977
ANNUAL SEVEN-DAY MINIMUM	6.2	Dec 24	5.7	Jan 28	1.9	Jan 1 1978
ANNUAL RUNOFF (AC-FT)	19740		33330		35310	
10 PERCENT EXCEEDS	59		132		116	
50 PERCENT EXCEEDS	13		14		19	
90 PERCENT EXCEEDS	8.0		6.0		7.5	

e Estimated



10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in SW¼SW¼NW¼ 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 18	0545	*571	*2.53	No other peak greater than base discharge.			

Minimum daily discharge, 38 ft^3/s, Feb 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	63	55	51	e41	52	66	235	223	89	76	56
2	46	62	56	51	38	51	74	318	214	90	74	56
3	46	61	55	e50	45	53	88	320	205	89	74	55
4	46	60	55	e50	49	52	88	274	198	89	75	53
5	44	58	55	e50	50	56	87	249	189	89	73	53
6	44	59	55	50	51	61	86	239	182	87	73	52
7	45	58	55	50	52	73	84	240	176	85	76	53
8	45	58	55	50	50	86	82	269	167	83	78	54
9	45	58	55	52	e48	92	77	329	154	84	81	54
10	58	62	55	50	e48	77	79	385	145	128	82	54
11	64	58	54	53	49	65	73	413	140	102	78	53
12	53	58	55	50	49	60	73	411	137	97	84	52
13	53	e56	53	e50	50	63	69	435	136	93	80	53
14	53	e54	55	e50	50	67	69	459	136	98	77	54
15	53	e52	55	e50	48	64	68	485	131	95	75	55
16	52	e52	52	50	48	61	73	488	126	91	72	56
17	53	e52	53	49	48	58	79	514	123	88	67	55
18	53	e52	e52	e46	50	61	90	511	119	85	68	54
19	52	e54	e52	44	53	76	104	510	114	84	71	54
20	52	55	52	e42	59	93	111	485	112	82	86	53
21	53	55	52	42	64	103	116	470	106	80	71	52
22	63	55	53	39	70	101	111	441	105	80	75	52
23	66	56	52	49	65	82	101	425	102	81	70	52
24	65	55	53	49	52	66	97	408	100	79	66	52
25	58	54	52	50	53	66	98	377	99	80	66	51
26	56	55	e50	49	53	64	113	346	100	81	64	50
27	63	56	e50	50	53	64	137	313	97	78	63	52
28	65	56	52	50	56	63	151	285	91	77	62	51
29	64	56	51	e48	---	65	173	272	86	75	62	52
30	71	56	51	48	---	64	197	249	87	75	61	54
31	67	---	51	e44	---	64	---	236	---	76	58	---
TOTAL	1694	1696	1651	1506	1442	2123	2914	11391	4100	2690	2238	1597
MEAN	54.6	56.5	53.3	48.6	51.5	68.5	97.1	367	137	86.8	72.2	53.2
MAX	71	63	56	53	70	103	197	514	223	128	86	56
MIN	44	52	50	39	38	51	66	235	86	75	58	50
AC-FT	3360	3360	3270	2990	2860	4210	5780	22590	8130	5340	4440	3170

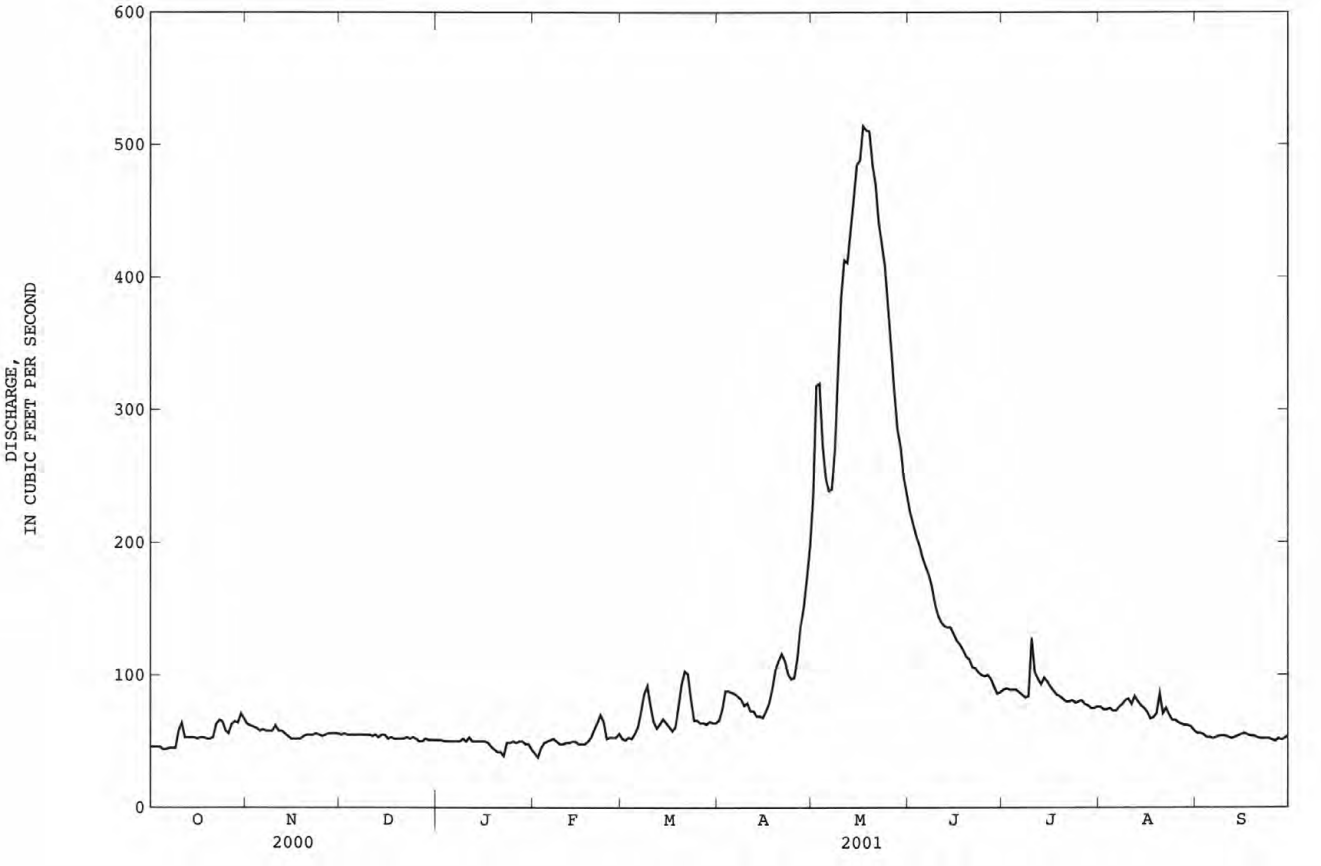
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1928, 1940 - 2001, BY WATER YEAR (WY)

MEAN	76.4	74.3	68.2	62.6	65.9	75.7	128	338	263	120	90.3	79.5
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915-28, 1940-2001	
ANNUAL TOTAL	25061		35042			
ANNUAL MEAN	68.5		96.0		121	
HIGHEST ANNUAL MEAN					313	1922
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	282	May 5	514	May 17	1430	May 26 1922
LOWEST DAILY MEAN	41	Aug 15	38	Feb 2	.00	Jul 31 1927
ANNUAL SEVEN-DAY MINIMUM	42	Sep 12	44	Jan 17	23	Aug 30 1977
ANNUAL RUNOFF (AC-FT)	49710		69510		87420	
10 PERCENT EXCEEDS	98		192		231	
50 PERCENT EXCEEDS	58		63		75	
90 PERCENT EXCEEDS	46		50		45	

e Estimated



10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in SE¼NE¼NW¼ sec. 16, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030001, on left bank 1,000 ft upstream from bridge on State Highway 62, 1.1 mi west of Kingston, and 1.9 mi upstream 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. Crest-stage gage since July 10, 2000. 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, 490 ft^3/s, May 19, gage height, 2.34 ft; minimum daily discharge, 11 ft^3/s, Aug 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	147	170	e140	e128	171	94	90	70	19	15	19
2	18	141	168	e140	e130	163	99	117	62	18	e11	20
3	19	136	167	e142	142	162	107	156	77	18	13	19
4	19	137	165	e140	151	159	119	171	79	17	32	22
5	20	144	164	e140	156	158	109	154	79	18	21	20
6	19	141	164	e140	160	159	105	131	83	18	15	19
7	19	144	165	e140	173	200	104	98	80	18	16	20
8	20	144	171	e145	160	225	107	90	77	19	17	19
9	23	143	175	154	e135	255	94	103	60	20	19	18
10	24	140	173	159	e135	231	107	137	46	20	91	19
11	25	e140	170	159	e140	205	110	200	41	19	71	20
12	30	e140	170	165	152	176	91	225	35	19	30	22
13	35	e140	169	158	151	164	80	215	33	19	18	23
14	38	e140	159	152	154	171	64	250	35	23	19	23
15	34	e140	162	e140	150	161	63	271	33	22	16	23
16	29	e140	157	e140	149	161	49	284	32	20	16	25
17	26	e140	151	e134	147	156	31	348	32	20	16	24
18	31	e140	139	e132	150	151	21	421	28	20	16	19
19	27	e150	e130	e130	155	167	23	453	27	22	17	20
20	30	160	e132	e130	162	198	28	404	26	17	20	22
21	31	166	e130	e130	169	222	40	342	26	16	22	22
22	39	171	e134	e130	182	250	46	325	26	16	23	22
23	46	172	e128	e130	208	237	42	258	27	17	22	22
24	58	173	e134	e135	184	213	37	228	27	16	21	23
25	51	170	e134	e140	162	195	31	203	25	16	19	23
26	64	170	e132	147	159	198	30	166	24	16	16	18
27	78	173	e128	150	163	187	44	139	22	16	16	16
28	119	175	e130	152	169	171	69	122	20	15	17	15
29	108	174	e130	145	---	171	78	93	19	15	18	15
30	102	174	e134	145	---	157	78	78	19	15	20	16
31	147	---	e138	e130	---	139	---	76	---	15	20	---
TOTAL	1348	4565	4673	4414	4376	5733	2100	6348	1270	559	703	608
MEAN	43.5	152	151	142	156	185	70.0	205	42.3	18.0	22.7	20.3
MAX	147	175	175	165	208	255	119	453	83	23	91	25
MIN	18	136	128	130	128	139	21	76	19	15	11	15
AC-FT	2670	9050	9270	8760	8680	11370	4170	12590	2520	1110	1390	1210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	84.5	133	146	135	156	171	152	223	155	48.2	51.3	60.9
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915 - 2001	
ANNUAL TOTAL	31497.4		36697			
ANNUAL MEAN	86.1		101		126	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	213	Jan 18	453	May 19	1560	Jun 3 1983
LOWEST DAILY MEAN	9.5	Jul 23	11	Aug 2	1.6	Jul 24 1963
ANNUAL SEVEN-DAY MINIMUM	11	Jul 23	14	Jul 28	2.9	Jul 22 1963
ANNUAL RUNOFF (AC-FT)	62480		72790		91420	
10 PERCENT EXCEEDS	181		173		225	
50 PERCENT EXCEEDS	60		107		112	
90 PERCENT EXCEEDS	13		18		12	

e Estimated

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'47", long 112°08'49", in NE¼SE¼SW¼ 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. Crest-stage gage since August 1, 2001. 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. April 29, 1914 to June 2, 1939, water-stage recorder 4,700 ft downstream. June 3, 1939 to July 29, 1970, water-stage recorder 3,200 ft downstream. Prior to July 29, 1970 at different datums. July 30, 1970 to July 12, 1983, water-stage recorder 760 ft downstream and 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, 274 ft^3/s, Aug 3, gage height, 5.32 ft; minimum daily discharge, 8.3 ft^3/s, Oct 9.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	33	14	e10	e10	18	15	46	79	255	177	32
2	9.9	28	14	e10	e11	18	15	49	196	244	179	33
3	11	20	14	e10	e12	19	15	54	220	218	190	34
4	9.9	18	e14	e10	e12	19	15	57	216	215	187	36
5	9.4	18	e14	e10	e13	18	15	59	215	217	185	38
6	9.1	18	14	e10	15	18	15	57	217	216	183	37
7	9.3	17	14	e10	17	20	15	53	217	219	143	34
8	8.5	e17	15	e19	16	20	16	54	213	226	40	35
9	8.3	17	16	e10	e15	19	16	53	211	232	42	36
10	11	17	15	e11	e13	20	16	54	214	228	46	36
11	15	17	15	e13	e13	22	16	57	214	226	42	35
12	14	e17	15	e12	13	20	16	59	214	228	41	33
13	12	e17	14	e11	14	18	16	60	214	229	41	31
14	12	e17	e14	e10	14	17	14	64	214	233	40	30
15	13	e17	15	e10	14	16	30	63	213	228	38	30
16	13	e16	e14	e10	14	16	37	63	205	218	36	31
17	13	e16	e12	e10	14	16	38	63	200	215	37	38
18	13	e16	e10	e10	15	16	46	66	199	213	36	39
19	13	e16	e11	e10	16	16	46	60	202	213	35	39
20	13	e15	e11	e11	17	15	42	42	201	210	38	38
21	13	e15	e11	e11	16	16	42	38	199	208	38	35
22	15	e15	e11	e12	18	16	43	75	219	209	39	29
23	15	15	e11	e12	37	16	44	54	239	207	37	25
24	32	15	e11	e12	34	16	44	51	243	202	36	27
25	25	e15	e11	e11	17	15	45	52	248	201	33	24
26	26	e15	e10	e11	15	16	48	51	254	201	29	23
27	30	15	e10	e10	16	15	50	45	261	200	35	27
28	41	15	e10	e9.0	18	15	51	45	259	199	34	33
29	35	14	e10	e9.0	---	15	43	52	257	191	33	31
30	31	15	e10	e9.0	---	15	42	50	257	182	31	29
31	29	---	e10	e10	---	15	---	51	---	178	31	---
TOTAL	519.3	516	390	333.0	449	531	906	1697	6510	6661	2132	978
MEAN	16.8	17.2	12.6	10.7	16.0	17.1	30.2	54.7	217	215	68.8	32.6
MAX	41	33	16	19	37	22	51	75	261	255	190	39
MIN	8.3	14	10	9.0	10	15	14	38	79	178	29	23
AC-FT	1030	1020	774	661	891	1050	1800	3370	12910	13210	4230	1940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	36.5	26.9	22.1	21.9	26.3	39.6	74.9	164	149	167	135	83.7
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	19146.3		21622.3			
ANNUAL MEAN	52.3		59.2		79.3	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	163	May 19	261	Jun 27	1740	May 12 1941
LOWEST DAILY MEAN	8.3	Oct 9	8.3	Oct 9	5.5	Feb 25 1977
ANNUAL SEVEN-DAY MINIMUM	9.4	Oct 3	9.4	Oct 3	5.5	Feb 25 1977
ANNUAL RUNOFF (AC-FT)	37980		42890		57450	
10 PERCENT EXCEEDS	139		213		209	
50 PERCENT EXCEEDS	17		20		34	
90 PERCENT EXCEEDS	13		11		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. 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, 632 ft^3/s, Jun 8, 19, gage height, 12.53 ft; minimum daily discharge, 1.8 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	16	2.0	2.1	2.5	3.0	3.6	583	72	333	585	370
2	48	9.6	2.1	2.1	2.5	3.0	3.6	558	87	324	582	332
3	42	5.1	2.1	2.1	2.4	2.9	3.5	553	152	286	578	312
4	36	4.7	1.9	2.1	2.4	3.0	3.6	540	179	291	555	303
5	32	3.4	1.9	2.1	2.5	3.0	7.6	531	268	296	546	289
6	29	3.2	2.0	2.1	2.5	3.1	57	511	347	350	542	313
7	27	3.2	2.1	2.1	2.4	3.2	48	500	385	379	530	301
8	27	2.9	2.0	2.1	2.5	3.2	22	525	441	354	493	327
9	31	2.6	2.0	2.1	2.5	3.2	9.4	517	502	319	469	268
10	26	2.5	2.2	2.1	2.5	3.2	9.2	444	505	291	455	208
11	23	2.4	2.4	2.1	2.5	3.2	7.9	381	491	276	442	191
12	25	2.4	2.2	2.1	2.4	3.2	7.5	338	498	275	403	177
13	20	2.4	1.9	2.1	2.5	3.2	7.5	290	523	273	428	148
14	34	2.4	1.8	2.3	2.6	3.2	7.5	194	549	293	427	128
15	41	2.4	1.8	2.3	2.6	3.2	34	340	554	280	389	125
16	42	2.4	1.9	2.2	2.6	3.2	93	305	569	261	361	107
17	38	2.2	1.9	2.1	2.6	3.2	168	219	581	286	366	99
18	41	2.1	1.8	2.2	2.6	3.2	280	125	586	349	368	90
19	46	2.1	1.9	2.4	2.6	3.2	317	87	598	330	391	72
20	59	1.9	2.1	2.4	2.7	3.3	327	53	595	380	370	100
21	64	1.8	1.8	2.4	2.7	3.2	328	51	589	389	320	116
22	64	1.8	1.9	2.4	2.8	3.2	353	53	585	390	306	125
23	64	1.8	1.8	2.4	2.9	3.5	377	116	581	393	344	103
24	64	1.8	2.1	2.4	2.9	3.5	415	173	582	424	408	81
25	49	1.8	2.0	2.4	2.9	3.5	442	137	557	492	358	76
26	49	1.8	2.1	2.4	2.9	3.5	510	118	537	500	365	90
27	48	1.8	2.1	2.4	2.9	3.5	568	68	502	524	342	94
28	38	1.8	2.1	2.6	3.1	3.5	600	44	488	543	376	71
29	43	1.8	2.1	2.6	---	3.5	596	43	462	554	376	43
30	47	1.9	2.1	2.4	---	3.5	595	70	376	577	338	36
31	34	---	2.1	2.4	---	3.5	---	75	---	584	356	---
TOTAL	1280	94.0	62.2	70.0	73.5	100.8	6200.9	8542	13741	11596	13169	5095
MEAN	41.3	3.13	2.01	2.26	2.62	3.25	207	276	458	374	425	170
MAX	64	16	2.4	2.6	3.1	3.5	600	583	598	584	585	370
MIN	20	1.8	1.8	2.1	2.4	2.9	3.5	43	72	261	306	36
AC-FT	2540	186	123	139	146	200	12300	16940	27260	23000	26120	10110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2001, BY WATER YEAR (WY)

MEAN	125	79.4	49.2	42.0	71.8	97.2	248	433	385	448	373	232
MAX	411	541	460	383	597	417	745	2145	1862	718	730	594
(WY)	1923	1917	1985	1984	1984	1983	1942	1922	1983	1922	1920	1914
MIN	14.3	3.13	2.01	1.32	1.76	2.71	6.09	41.9	14.6	80.0	48.2	28.2
(WY)	1987	2001	2001	1918	1951	1924	1952	1957	1957	1934	1934	1956

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1913 - 2001	
ANNUAL TOTAL	71520.3		60024.4			
ANNUAL MEAN	195		164		213	
HIGHEST ANNUAL MEAN					568	1922
LOWEST ANNUAL MEAN					100	1956
HIGHEST DAILY MEAN	632	Apr 29	600	Apr 28	2530	May 24 1922
LOWEST DAILY MEAN	1.8	Nov 21	1.8	Nov 21	.00	Apr 5 1919
ANNUAL SEVEN-DAY MINIMUM	1.8	Nov 21	1.8	Nov 21	.50	Nov 19 1919
ANNUAL RUNOFF (AC-FT)	141900		119100		154000	
10 PERCENT EXCEEDS	458		519		544	
50 PERCENT EXCEEDS	187		42		135	
90 PERCENT EXCEEDS	2.1		2.1		4.8	

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

LOCATION.--Lat 38°34'45", long 112°17'22", in NW¼NW¼SW¼ sec. 31, T. 25 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on left bank 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, 154 ft^3/s, May 18, gage height, 2.79 ft; minimum daily discharge, 3.8 ft^3/s, Dec 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

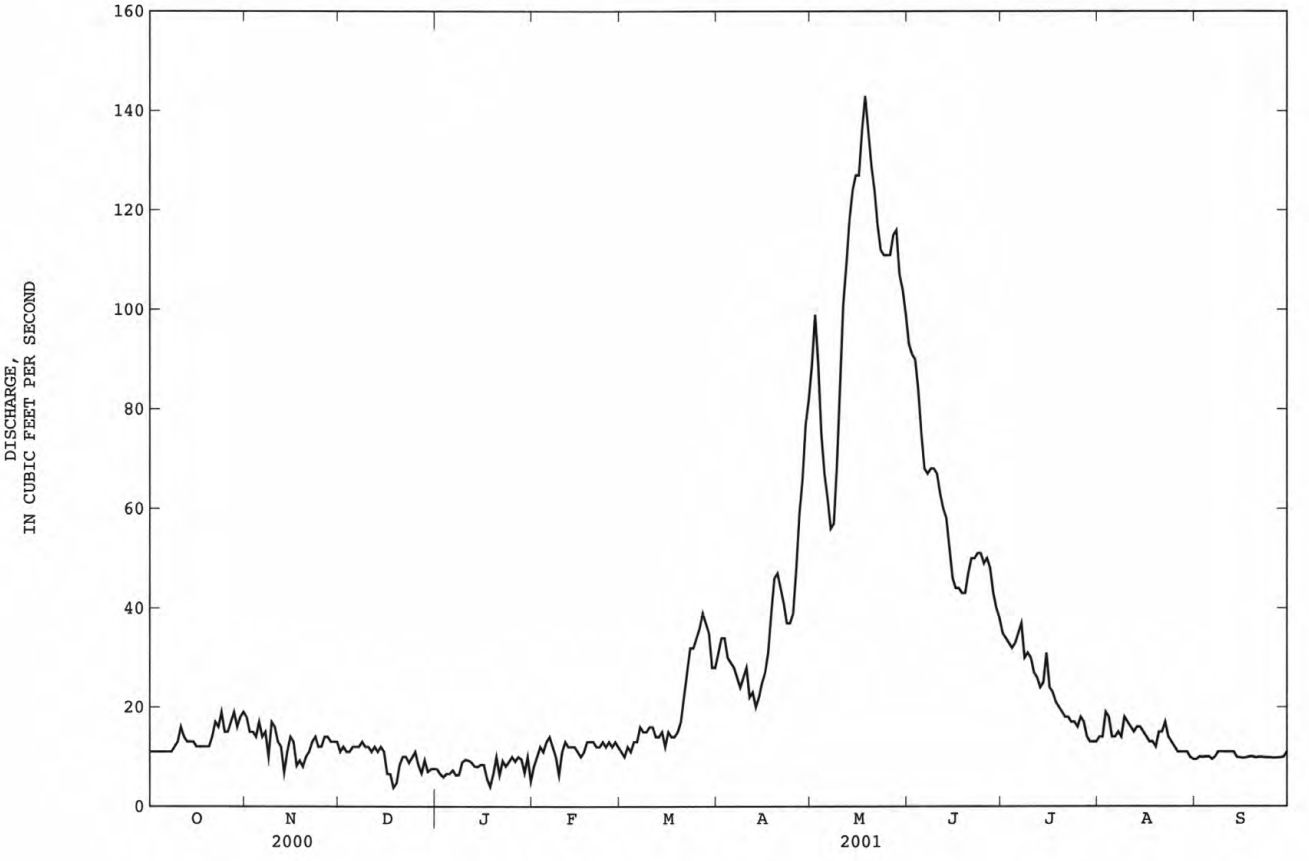
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	18	11	7.5	8.1	11	31	89	93	35	14	9.5
2	11	15	12	6.5	10	10	34	99	91	34	14	10
3	11	15	11	5.9	12	12	34	89	90	33	19	9.9
4	11	14	11	6.6	11	11	30	75	84	32	18	10
5	11	17	12	6.6	13	13	29	67	75	33	14	10
6	11	14	12	7.3	14	13	28	62	68	35	14	9.5
7	11	15	12	6.3	12	16	26	56	67	37	15	10
8	11	10	13	6.4	10	15	24	57	68	30	14	11
9	12	17	12	8.9	6.3	15	26	69	68	31	18	11
10	13	16	12	9.4	11	16	28	85	67	30	17	11
11	16	13	11	9.3	13	16	22	101	63	27	16	11
12	14	12	12	8.9	12	14	23	109	60	26	15	11
13	13	6.8	11	8.1	12	14	20	118	58	24	16	11
14	13	11	12	8.0	12	15	22	124	52	25	16	9.9
15	13	14	11	8.4	11	12	25	127	46	31	15	9.8
16	12	13	6.6	8.4	10	15	27	127	44	24	14	9.7
17	12	8.2	6.5	5.6	11	14	31	136	44	23	13	9.8
18	12	9.2	3.8	4.0	13	14	39	143	43	21	13	10
19	12	8.0	4.7	6.5	13	15	46	136	43	20	12	10
20	12	10	8.4	10	13	17	47	129	47	19	15	9.8
21	14	11	10	6.3	12	22	44	124	50	18	15	9.9
22	17	13	10	9.2	12	27	41	117	50	18	17	9.9
23	16	14	8.8	8.1	13	32	37	112	51	17	14	9.8
24	19	12	9.9	9.0	12	32	37	111	51	17	13	9.8
25	15	12	11	10	13	34	39	111	49	16	12	9.8
26	15	14	8.3	9.1	12	36	48	111	50	18	11	9.7
27	17	14	6.7	10	13	39	59	115	48	17	11	9.8
28	19	13	9.3	9.5	12	37	66	116	43	14	11	9.8
29	16	13	7.0	6.8	---	35	77	107	40	13	11	10
30	18	13	7.5	10	---	28	82	104	38	13	9.9	11
31	19	---	7.6	5.1	---	28	---	99	---	13	9.5	---
TOTAL	427	385.2	301.1	241.7	326.4	628	1122	3225	1741	744	436.4	303.4
MEAN	13.8	12.8	9.71	7.80	11.7	20.3	37.4	104	58.0	24.0	14.1	10.1
MAX	19	18	13	10	14	39	82	143	93	37	19	11
MIN	11	6.8	3.8	4.0	6.3	10	20	56	38	13	9.5	9.5
AC-FT	847	764	597	479	647	1250	2230	6400	3450	1480	866	602

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2001, BY WATER YEAR (WY)

MEAN	13.5	12.6	11.0	10.9	13.6	23.1	54.3	131	108	39.1	18.3	13.9
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

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1958 - 2001	
ANNUAL TOTAL	8371.4		9881.2			
ANNUAL MEAN	22.9		27.1		37.5	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	104	May 30	143	May 18	633	May 24 1984
LOWEST DAILY MEAN	3.8	Dec 18	3.8	Dec 18	1.8	Jan 26 1979
ANNUAL SEVEN-DAY MINIMUM	7.1	Dec 16	6.5	Jan 2	2.4	Aug 29 1978
ANNUAL RUNOFF (AC-FT)	16600		19600		27190	
10 PERCENT EXCEEDS	52		68		94	
50 PERCENT EXCEEDS	15		14		16	
90 PERCENT EXCEEDS	9.5		8.9		7.9	



10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'24", long 111°57'12", in SW¼NE¼SW¼ sec. 19, T. 22 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on left bank 200 ft downstream from county road bridge, 0.5 mi downstream from Rocky Ford Dam, 2.3 mi northeast of Sigurd, and 5.0 mi upstream from Lost Creek.

DRAINAGE AREA.--3,375 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, 284 ft^3/s, Dec 7, gage height, 5.98 ft; minimum daily discharge, 1.9 ft^3/s, May 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	152	114	120	110	129	49	2.0	35	2.8	4.1	201
2	38	141	106	118	113	128	38	1.9	31	2.8	3.9	193
3	40	127	104	114	119	129	31	4.2	23	3.4	3.8	61
4	29	124	102	114	124	131	23	4.9	18	3.6	3.3	52
5	22	119	103	115	122	70	12	6.5	7.6	3.7	3.6	65
6	22	111	81	117	122	23	5.8	8.5	3.9	3.3	3.9	52
7	22	102	127	118	124	24	6.7	4.3	3.8	4.9	3.5	41
8	33	101	112	117	126	26	7.6	3.4	3.8	11	3.2	42
9	48	103	110	121	118	30	13	4.2	4.1	18	3.0	37
10	56	103	106	128	114	45	18	4.4	5.1	18	3.0	40
11	62	104	103	124	121	91	18	25	4.8	26	3.2	54
12	65	102	104	126	128	107	19	44	4.2	50	6.3	57
13	69	99	110	126	125	113	20	41	4.2	65	7.2	67
14	83	95	126	122	131	114	16	40	4.4	72	5.1	72
15	100	103	119	123	131	113	13	48	4.5	81	3.7	67
16	77	110	116	123	125	113	11	40	4.4	93	3.4	55
17	79	108	115	120	124	113	8.3	63	3.9	103	3.5	44
18	75	101	110	112	125	114	5.6	120	3.3	101	4.1	30
19	77	100	100	108	128	114	3.8	122	3.0	95	4.1	13
20	80	106	115	119	126	113	3.5	113	2.9	73	4.0	12
21	83	109	112	126	124	113	4.7	89	2.9	53	4.8	14
22	92	112	118	117	124	112	5.2	45	13	30	5.2	13
23	104	113	125	123	127	111	4.5	12	13	12	5.0	13
24	103	111	117	122	127	114	4.2	4.5	2.9	5.2	4.5	9.9
25	99	112	121	125	124	117	3.9	4.8	2.9	4.6	5.3	6.6
26	105	111	121	124	121	115	3.4	5.1	3.0	4.8	7.9	5.8
27	101	113	117	122	124	104	2.6	7.0	3.0	4.9	7.6	6.0
28	109	113	116	121	126	92	2.6	12	3.0	4.8	6.8	6.2
29	112	112	121	119	---	84	2.3	30	3.0	4.3	5.1	6.5
30	107	116	119	115	---	68	2.1	44	3.0	4.1	43	7.6
31	138	---	119	115	---	67	---	39	---	4.0	141	---
TOTAL	2266	3333	3489	3714	3453	2937	357.8	992.7	224.6	962.2	316.1	1343.6
MEAN	73.1	111	113	120	123	94.7	11.9	32.0	7.49	31.0	10.2	44.8
MAX	138	152	127	128	131	131	49	122	35	103	141	201
MIN	22	95	81	108	110	23	2.1	1.9	2.9	2.8	3.0	5.8
AC-FT	4490	6610	6920	7370	6850	5830	710	1970	445	1910	627	2670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	89.8	119	137	142	171	172	129	131	134	35.5	35.4	53.6
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915 - 2001	
ANNUAL TOTAL	40887.0		23389.0			
ANNUAL MEAN	112		64.1		113	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	382	Jan 27	201	Sep 1	2370	May 30 1922
LOWEST DAILY MEAN	2.3	May 7	1.9	May 2	.00	Jul 16 1933
ANNUAL SEVEN-DAY MINIMUM	2.8	May 3	2.4	Apr 26	.00	Jul 16 1933
ANNUAL RUNOFF (AC-FT)	81100		46390		81890	
10 PERCENT EXCEEDS	337		124		243	
50 PERCENT EXCEEDS	66		65		78	
90 PERCENT EXCEEDS	3.6		3.8		2.8	

10205030 SALINA CREEK NEAR EMERY, UT

LOCATION.--Lat 38°54'43", long 111°31'47", in SE¼SW¼NW¼ sec. 12, T. 22 S., R. 3 E., Sevier County, Hydrologic Unit 16030003, on right bank 2.5 mi upstream from Natural Resources 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, 91 ft^3/s, May 17, gage height, 3.87 ft; minimum daily discharge, 4.4 ft^3/s, Feb 16, 17, Mar 5.

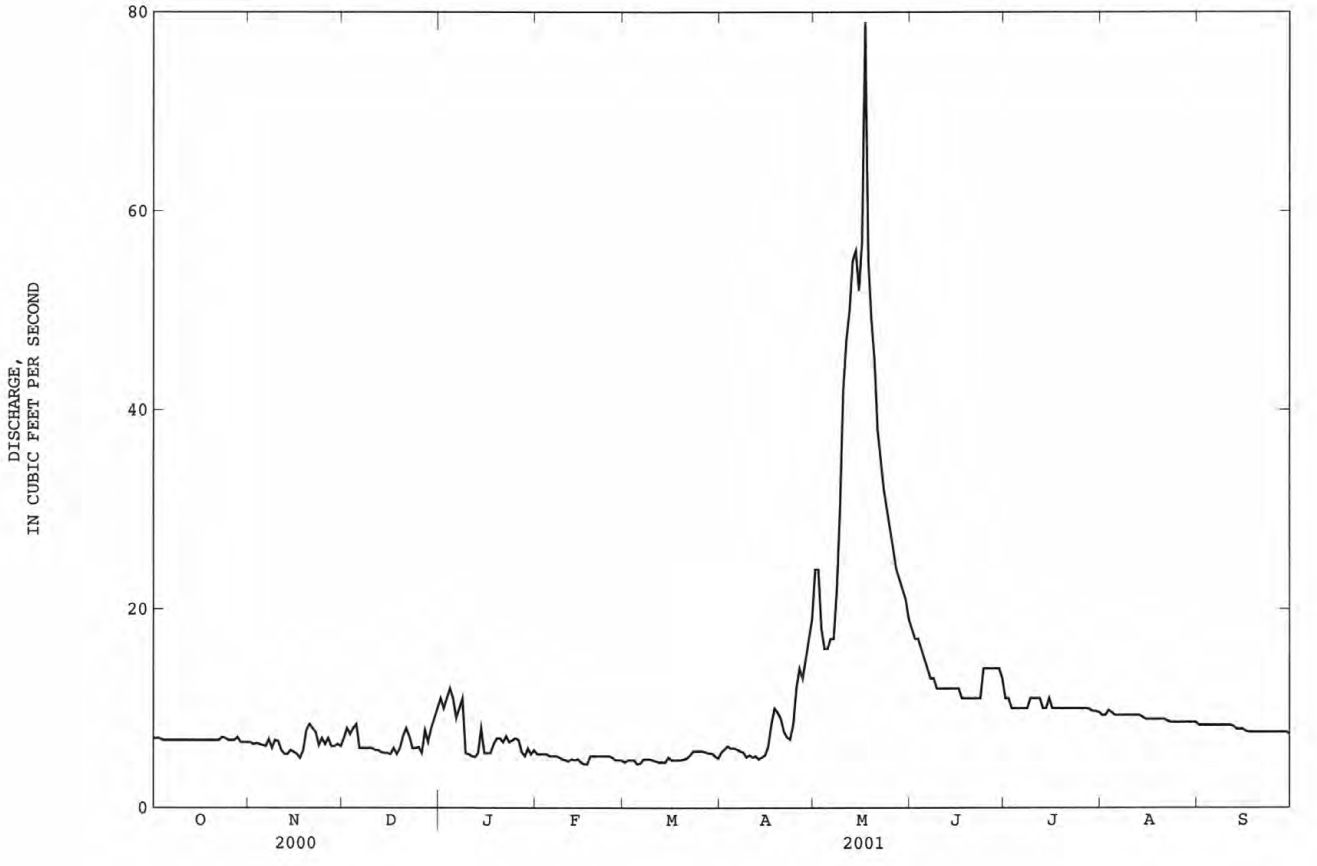
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	6.6	e7.0	e11	e5.4	4.6	5.6	24	18	11	9.3	8.3
2	7.0	6.4	e8.0	e10	e5.4	e4.8	5.9	24	17	11	9.3	8.3
3	7.0	6.5	e7.4	e11	e5.4	e4.8	6.2	18	17	10	9.8	8.3
4	6.8	6.4	e8.0	e12	5.4	e4.8	6.0	16	16	10	9.6	8.3
5	6.8	6.3	e8.4	e11	5.2	4.4	6.0	16	15	10	9.3	8.3
6	6.8	6.2	6.0	e9.0	5.2	4.5	5.9	17	14	10	9.3	8.3
7	6.8	6.9	e6.0	e10	5.2	4.9	5.7	17	13	10	9.3	8.3
8	6.8	e6.0	6.0	e11	5.1	4.9	5.6	22	13	10	9.3	8.3
9	6.8	e6.8	6.0	5.5	e4.9	4.9	5.1	30	12	11	9.3	8.3
10	6.8	e6.7	6.0	5.4	e4.8	4.8	5.3	42	12	11	9.3	8.3
11	6.8	e5.8	e5.8	5.2	e4.7	4.7	5.1	47	12	11	9.3	8.3
12	6.8	e5.4	5.8	5.1	e4.9	4.6	5.2	50	12	11	9.3	8.2
13	6.8	e5.4	5.6	5.5	4.8	4.6	4.9	55	12	10	9.3	7.9
14	6.8	e5.8	5.5	e8.0	4.9	4.6	5.1	56	12	10	9.1	7.9
15	6.8	e5.6	5.5	e5.5	e4.6	5.1	5.3	52	12	11	8.9	7.9
16	6.8	e5.4	e5.4	e5.5	e4.4	4.8	6.2	57	12	10	8.9	7.7
17	6.8	e5.0	e6.0	e5.5	e4.4	4.8	8.4	79	11	10	8.9	7.6
18	6.8	e5.8	e5.4	e6.4	5.2	4.8	10	55	11	10	8.9	7.6
19	6.8	e7.8	e6.0	e7.0	5.2	4.8	9.6	49	11	10	8.9	7.6
20	6.8	e8.4	e7.2	e7.0	5.2	4.9	9.0	45	11	10	8.9	7.6
21	6.8	e8.0	e8.0	e6.6	5.2	5.0	7.7	38	11	10	8.9	7.6
22	6.8	e7.6	e7.2	e7.2	5.2	5.3	7.1	35	11	10	8.7	7.6
23	7.1	e6.3	e6.0	e6.6	5.2	5.7	6.9	32	11	10	8.6	7.6
24	7.0	e7.0	e6.0	e6.8	5.2	5.7	8.4	30	14	10	8.6	7.6
25	6.8	e6.4	6.1	e7.0	5.1	5.7	12	28	14	10	8.6	7.6
26	6.8	e7.0	5.5	e6.8	4.8	5.7	14	26	14	10	8.6	7.6
27	6.8	6.2	e7.8	e5.6	4.8	5.6	13	24	14	10	8.6	7.6
28	7.1	6.2	6.6	5.2	4.8	5.5	15	23	14	9.9	8.6	7.6
29	6.6	6.4	e8.0	e6.0	---	5.5	17	22	14	9.7	8.6	7.6
30	6.6	6.2	e9.0	e5.4	---	5.2	19	21	13	9.7	8.6	7.4
31	6.6	---	e10	e5.8	---	5.0	---	19	---	9.6	8.6	---
TOTAL	211.6	192.5	207.2	225.6	140.6	155.0	246.2	1069	393	315.9	279.2	237.1
MEAN	6.83	6.42	6.68	7.28	5.02	5.00	8.21	34.5	13.1	10.2	9.01	7.90
MAX	7.1	8.4	10	12	5.4	5.7	19	79	18	11	9.8	8.3
MIN	6.6	5.0	5.4	5.1	4.4	4.4	4.9	16	11	9.6	8.6	7.4
AC-FT	420	382	411	447	279	307	488	2120	780	627	554	470
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)												
MEAN	10.0	8.38	7.20	6.62	6.44	7.56	15.0	66.1	44.9	17.2	13.7	11.4
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

10205030 SALINA CREEK NEAR EMERY, UT--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	3715.2		3672.9			
ANNUAL MEAN	10.2		10.1		17.9	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	46	May 4	79	May 17	434	May 28 1983
LOWEST DAILY MEAN	5.0	Nov 17	4.4	Feb 16	1.5	Dec 30 1982
ANNUAL SEVEN-DAY MINIMUM	5.5	Nov 11	4.7	Feb 11	1.7	Dec 26 1982
ANNUAL RUNOFF (AC-FT)	7370		7290		13000	
10 PERCENT EXCEEDS	17		16		34	
50 PERCENT EXCEEDS	7.9		7.6		9.5	
90 PERCENT EXCEEDS	6.4		5.1		5.2	

e Estimated



10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE¼ SE¼SE¼ 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.--WDR UT-81-1: 1979, 1980(M), WDR UT-01-1: 2000, daily values.

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, 252 ft^3/s, May 17, gage height, 4.93 ft; minimum daily discharge, 1.8 ft^3/s, Dec 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.0	4.5	e4.2	e8.0	e3.1	e2.8	5.5	55	101	e15	e11	5.7
2	e3.0	4.8	e4.5	e5.0	e3.2	2.8	8.1	53	94	e15	e11	5.8
3	e3.0	5.2	e4.2	e7.0	e3.3	2.8	7.6	32	86	e15	e11	5.7
4	e3.0	7.4	e4.6	e8.0	e3.5	2.8	5.6	24	80	e15	10	5.7
5	e3.0	4.5	e4.9	e6.0	e3.7	2.8	5.7	21	75	e15	8.9	5.4
6	e3.0	5.6	e4.8	e5.0	e4.0	3.2	5.3	21	71	e15	8.8	5.3
7	e3.0	4.4	e4.0	e4.5	e3.7	3.8	4.4	20	67	e15	9.4	5.1
8	e3.0	4.7	e3.4	e6.0	e3.2	4.2	2.9	30	64	e14	8.5	5.1
9	e3.0	e4.0	e2.2	e7.0	e3.3	4.1	3.1	46	61	e14	9.6	5.4
10	e3.2	e3.8	e2.6	e6.0	e3.4	3.8	e3.0	72	57	e14	9.6	5.4
11	3.4	e3.3	e3.0	e4.2	e3.2	3.9	e3.3	88	51	e14	8.4	5.1
12	4.8	e3.2	e2.0	e3.0	e3.4	4.3	e3.1	100	51	e14	7.7	5.1
13	4.4	e3.5	e1.8	e2.7	e3.3	3.9	e3.5	115	45	e14	10	5.1
14	4.4	e3.6	e2.0	e5.0	e3.0	3.9	e3.2	128	39	e14	8.9	5.1
15	4.3	e3.4	e2.5	e3.5	e2.8	4.1	e3.2	141	34	e14	7.9	4.9
16	4.2	e3.3	e3.0	e3.2	e3.0	4.1	3.3	164	30	e14	7.4	5.1
17	4.1	e3.7	e3.8	e2.7	e3.0	3.5	5.6	193	27	e13	7.1	5.5
18	4.1	e4.0	e3.3	e2.7	e3.1	2.9	9.3	178	25	e13	6.8	4.9
19	4.0	e5.0	e3.7	e3.0	e3.3	3.5	12	177	23	e13	6.8	4.9
20	3.9	e7.0	e4.8	e3.0	e3.4	4.4	9.1	166	21	e13	7.4	4.8
21	4.8	e6.9	e5.9	e3.1	e3.5	5.7	6.0	148	20	e13	7.3	4.6
22	4.8	e6.3	e5.0	e3.0	e3.2	10	4.3	145	19	e13	7.2	4.7
23	6.4	e5.2	e5.0	e3.0	e2.5	10	3.9	145	19	e12	6.9	4.6
24	6.9	e5.7	e4.0	e3.1	e3.1	8.2	6.7	148	20	e12	6.6	4.4
25	4.8	e4.8	e3.5	e3.0	e3.0	8.5	8.8	153	18	e13	6.2	4.3
26	4.5	e6.0	e4.0	e3.1	e3.1	8.3	13	151	19	e12	5.9	4.2
27	4.7	e6.5	e6.0	e3.0	e3.0	6.8	16	145	18	e12	6.0	4.1
28	5.5	e6.0	e5.0	e2.8	e2.6	5.9	21	138	e15	e11	5.9	4.1
29	4.7	e4.0	e5.2	e3.1	---	5.1	27	132	e15	e12	5.8	4.3
30	4.6	e3.9	e6.0	e2.9	---	4.3	36	118	e15	e11	5.9	4.4
31	4.9	---	e7.0	e3.0	---	4.5	---	109	---	e11	5.9	---
TOTAL	128.4	144.2	125.9	128.6	89.9	148.9	249.5	3356	1280	415	245.8	148.8
MEAN	4.14	4.81	4.06	4.15	3.21	4.80	8.32	108	42.7	13.4	7.93	4.96
MAX	6.9	7.4	7.0	8.0	4.0	10	36	193	101	15	11	5.8
MIN	3.0	3.2	1.8	2.7	2.5	2.8	2.9	20	15	11	5.8	4.1
AC-FT	255	286	250	255	178	295	495	6660	2540	823	488	295

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	8.37	6.72	5.30	4.83	4.67	6.18	18.4	99.9	134	43.4	16.5	10.6
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	4.14	3.77	3.35	3.05	3.13	3.22	5.46	47.1	32.2	11.9	5.75	3.65
(WY)	2001	1993	1979	1981	1967	1991	1967	1990	1966	1966	1966	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1965 - 2001	
ANNUAL TOTAL	8030.2		6461.0			
ANNUAL MEAN	21.9		17.7		30.0	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					14.1	1989
HIGHEST DAILY MEAN	206	May 24	193	May 17	547	Jun 28 1995
LOWEST DAILY MEAN	1.8	Dec 13	1.8	Dec 13	1.8	Dec 13 2000
ANNUAL SEVEN-DAY MINIMUM	2.3	Dec 9	2.3	Dec 9	2.3	Dec 9 2000
ANNUAL RUNOFF (AC-FT)	15930		12820		21720	
10 PERCENT EXCEEDS	77		48		81	
50 PERCENT EXCEEDS	5.3		5.2		8.4	
90 PERCENT EXCEEDS	3.2		3.0		4.1	

e Estimated

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT--Continued

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	e3.0
27	5.4	6.1	4.9	4.6	5.2	10	69	161	28	9.3	4.9	e3.0
28	5.3	4.8	4.9	4.7	e4.9	9.7	76	154	25	8.9	4.9	e3.0
29	e5.3	4.7	4.9	4.9	e4.8	5.8	71	148	25	8.8	5.1	e3.0
30	e5.2	5.1	4.9	4.9	---	4.6	64	134	24	8.8	5.4	e3.0
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	109.5
MEAN	6.32	5.21	5.47	4.87	4.73	5.76	30.6	123	54.9	14.4	6.94	3.65
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	2.8
AC-FT	389	310	337	299	272	354	1820	7590	3260	887	426	217

e Estimated

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

LOCATION.--Lat 39°09'19", long 111°52'37", in NE¼NE¼SE¼ sec. 14, T. 19 S., R. 1 W., Sanpete County, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 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, 507 ft^3/s, May 18, gage height, 5.69 ft; minimum daily discharge, 26 ft^3/s, Jun 16, 17, Aug 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	282	232	225	215	181	103	164	104	43	27	107
2	207	265	239	223	214	230	85	187	96	40	26	143
3	166	237	234	217	230	236	84	120	90	41	29	136
4	194	233	231	212	234	234	79	92	68	45	31	67
5	173	220	229	213	237	229	79	85	54	45	29	48
6	142	224	246	218	241	186	72	88	52	47	29	70
7	121	219	201	220	245	136	69	103	47	44	31	63
8	116	208	270	220	236	130	72	97	49	43	30	65
9	87	188	245	219	219	144	72	124	43	43	35	65
10	91	209	239	231	213	136	77	153	38	43	38	58
11	114	257	236	238	228	153	81	181	34	50	37	57
12	175	248	233	239	227	192	85	204	33	49	27	58
13	161	220	237	237	235	197	83	210	31	54	29	67
14	134	209	240	233	235	202	81	307	30	63	31	73
15	152	222	245	233	240	197	78	320	31	85	30	81
16	169	233	231	230	229	202	109	281	26	86	29	79
17	152	234	222	222	228	203	106	303	26	92	28	75
18	169	227	215	217	235	172	104	443	27	103	31	70
19	162	218	211	207	237	158	96	428	29	98	31	64
20	163	217	228	215	240	168	114	369	32	88	33	65
21	173	225	229	219	236	179	102	347	30	73	32	60
22	189	237	235	231	235	186	103	290	31	56	34	59
23	193	241	240	225	239	194	99	215	40	45	34	62
24	217	239	241	233	239	187	90	157	49	35	33	63
25	216	233	239	238	235	186	79	141	43	30	34	68
26	204	233	237	229	242	182	89	116	41	28	34	61
27	209	236	230	235	234	168	98	130	49	29	33	64
28	225	239	227	233	210	150	97	126	48	27	34	62
29	240	240	226	227	---	133	147	114	48	30	39	74
30	235	241	225	229	---	127	157	109	47	31	40	85
31	241	---	224	214	---	105	---	112	---	28	52	---
TOTAL	5396	6934	7217	6982	6488	5483	2790	6116	1366	1614	1010	2169
MEAN	174	231	233	225	232	177	93.0	197	45.5	52.1	32.6	72.3
MAX	241	282	270	239	245	236	157	443	104	103	52	143
MIN	87	188	201	207	210	105	69	85	26	27	26	48
AC-FT	10700	13750	14310	13850	12870	10880	5530	12130	2710	3200	2000	4300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2001, BY WATER YEAR (WY)

MEAN	196	240	272	281	340	361	277	379	396	122	106	134
MAX	783	760	1028	868	1141	1443	1670	3606	4308	1624	591	499
(WY)	1984	1984	1984	1984	1984	1984	1984	1984	1983	1983	1983	1983
MIN	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	41.0	25.7	16.2	17.2
(WY)	1935	1935	1932	1935	1935	1935	1966	1961	1940	1960	1934	1934

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1918 - 2001	
ANNUAL TOTAL	79583		53565			
ANNUAL MEAN	217		147		258	
HIGHEST ANNUAL MEAN					1346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	637	Feb 18	443	May 18	5400	May 29 1984
LOWEST DAILY MEAN	29	Aug 3	26	Jun 16	6.0	Jul 18 1977
ANNUAL SEVEN-DAY MINIMUM	32	Aug 2	28	Jul 27	6.6	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	157900		106200		187000	
10 PERCENT EXCEEDS	492		239		484	
50 PERCENT EXCEEDS	186		153		190	
90 PERCENT EXCEEDS	44		33		59	

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in SE¼SW¼SE¼ sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 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, 1,020 ft^3/s, Apr 29, gage height, 7.11 ft; minimum daily discharge, 1.3 ft^3/s, Nov 7, 8, 13-23, Apr 13, 14, 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	1.9	1.8	5.7	2.4	2.2	1.8	802	460	535	614	324
2	2.3	1.8	1.8	5.7	2.2	2.2	1.9	803	456	548	612	125
3	2.2	1.8	1.9	5.4	1.8	2.5	1.8	800	458	553	610	38
4	3.0	1.5	2.2	5.5	1.9	2.5	1.8	798	457	558	610	138
5	3.0	1.5	2.3	5.4	1.9	2.4	1.8	799	456	516	610	39
6	3.0	1.4	2.4	5.6	1.9	2.5	1.8	792	458	358	609	23
7	3.0	1.3	2.7	5.5	2.0	2.6	1.4	790	498	358	606	12
8	2.8	1.3	3.0	5.7	1.9	2.4	1.5	788	528	357	605	8.1
9	2.6	1.4	3.4	6.0	1.8	2.3	e1.5	e785	553	357	603	238
10	2.7	1.5	3.6	5.8	1.9	2.4	e1.4	795	562	373	602	159
11	2.7	1.4	3.5	4.5	2.1	2.3	1.4	802	562	385	552	52
12	2.7	1.4	3.7	3.8	2.1	2.3	1.5	948	568	385	384	38
13	2.7	1.3	3.9	3.9	1.9	2.4	1.3	1010	568	384	369	23
14	2.7	1.3	4.1	4.0	2.0	2.5	1.3	1010	562	382	349	71
15	2.5	1.3	4.2	4.5	1.8	2.2	1.4	1000	560	308	348	136
16	2.3	1.3	4.2	4.6	1.8	2.2	1.3	1000	561	171	349	109
17	2.2	1.3	4.3	4.9	1.8	2.1	14	690	560	25	445	70
18	2.1	1.3	4.3	5.2	2.0	2.1	179	267	560	25	722	13
19	2.0	1.3	4.4	5.1	2.1	2.1	355	142	557	24	579	6.9
20	1.8	1.3	4.6	5.1	2.2	2.1	411	33	558	134	233	6.8
21	2.1	1.3	e4.6	5.1	2.0	e2.1	412	33	558	347	183	6.8
22	1.8	1.3	e4.5	5.1	2.1	2.1	417	34	557	488	95	6.9
23	1.8	1.3	4.5	4.4	2.1	2.1	416	34	555	539	118	6.5
24	1.8	1.4	4.4	3.6	2.2	1.9	431	88	555	541	208	6.5
25	1.8	1.5	4.5	2.8	2.3	1.9	758	189	554	541	262	39
26	1.7	1.5	4.5	2.5	2.4	1.9	996	238	553	538	262	16
27	1.8	1.5	4.4	2.7	2.3	1.9	1000	282	533	560	237	5.7
28	1.8	1.6	4.8	3.0	2.2	1.9	1000	341	517	624	322	5.7
29	1.8	1.8	5.0	2.8	---	1.9	969	368	517	620	360	5.7
30	1.9	1.9	5.2	2.8	---	1.8	801	405	515	618	461	5.7
31	2.0	---	5.7	2.6	---	1.8	---	439	---	618	375	---
TOTAL	70.9	43.7	118.4	139.3	57.1	67.6	8183.9	17305	15916	12770	13294	1734.3
MEAN	2.29	1.46	3.82	4.49	2.04	2.18	273	558	531	412	429	57.8
MAX	3.0	1.9	5.7	6.0	2.4	2.6	1000	1010	568	624	722	324
MIN	1.7	1.3	1.8	2.5	1.8	1.8	1.3	33	456	24	95	5.7
AC-FT	141	87	235	276	113	134	16230	34320	31570	25330	26370	3440

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2001, BY WATER YEAR (WY)

MEAN	61.9	36.5	39.2	66.4	76.1	125	307	725	609	540	372	164
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1912 - 2001	
ANNUAL TOTAL	116485.5		69700.2			
ANNUAL MEAN	318		191		261	
HIGHEST ANNUAL MEAN					1322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	1030	Jun 10	1010	May 13	4920	Jun 25 1983
LOWEST DAILY MEAN	1.3	Nov 7	1.3	Nov 7	.00	Mar 7 1918
ANNUAL SEVEN-DAY MINIMUM	1.3	Nov 13	1.3	Nov 13	.00	Apr 9 1990
ANNUAL RUNOFF (AC-FT)	231000		138300		189400	
10 PERCENT EXCEEDS	710		604		759	
50 PERCENT EXCEEDS	260		5.1		42	
90 PERCENT EXCEEDS	1.8		1.8		2.0	

e Estimated

10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW¼NE¼SE¼ sec. 27, T. 15 S., R. 5 W., Millard County, Hydrologic Unit 16030005, on right bank 1.6 mi downstream from highway bridge and 3.5 mi southwest of Lynndyl.

DRAINAGE AREA.--5,966 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 estimated days, which are 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, 16, 17, 1983; minimum discharge, 2.4 ft^3/s, Jan 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 921 ft^3/s, Apr 30, gage height, 6.96 ft; minimum daily discharge, 13 ft^3/s, Feb 2-28, Mar 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	86	65	e60	e14	13	34	775	401	397	438	341
2	65	87	63	e60	e13	24	37	715	430	419	454	328
3	64	78	63	e60	13	45	39	682	412	444	509	224
4	50	72	63	e60	13	47	33	659	440	440	519	124
5	53	70	63	e59	13	48	28	645	450	472	521	87
6	51	69	62	e59	13	48	29	649	467	482	548	124
7	55	68	62	e58	13	48	29	665	447	379	550	76
8	55	68	63	e58	e13	64	33	670	435	366	547	59
9	56	71	66	e57	e13	53	34	661	457	352	553	51
10	58	75	67	e56	e13	56	40	657	464	349	573	47
11	65	75	66	e54	13	57	41	643	505	352	565	267
12	69	72	65	28	13	57	39	610	484	371	528	127
13	e69	70	65	20	13	59	36	662	473	374	373	91
14	e66	69	66	18	13	55	33	783	507	359	319	79
15	63	68	65	17	13	53	33	817	493	367	304	39
16	66	68	63	e17	13	54	42	854	487	385	313	31
17	66	69	64	e17	13	55	43	840	466	287	305	93
18	65	66	e63	e16	13	55	43	729	443	188	287	80
19	64	65	e62	e16	13	54	48	347	431	114	498	79
20	58	71	e62	e16	13	43	294	268	450	100	555	58
21	62	71	e62	e15	13	38	418	152	439	57	280	50
22	71	67	e63	15	13	37	453	110	458	178	210	40
23	72	66	63	e15	13	41	458	93	491	344	137	36
24	70	66	63	e15	13	40	459	62	500	394	115	50
25	68	65	62	15	13	39	438	50	488	386	173	63
26	67	65	62	15	13	37	608	88	425	399	236	61
27	68	65	e62	14	13	36	855	192	423	397	247	84
28	71	66	e62	14	13	34	887	257	402	407	206	59
29	72	66	e61	e14	---	32	906	326	393	459	254	36
30	76	64	e61	e14	---	33	909	347	399	460	293	32
31	81	---	e61	e14	---	34	---	357	---	442	372	---
TOTAL	1996	2098	1960	966	365	1389	7379	15365	13560	10920	11782	2916
MEAN	64.4	69.9	63.2	31.2	13.0	44.8	246	496	452	352	380	97.2
MAX	81	87	67	60	14	64	909	854	507	482	573	341
MIN	50	64	61	14	13	13	28	50	393	57	115	31
AC-FT	3960	4160	3890	1920	724	2760	14640	30480	26900	21660	23370	5780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

MEAN	66.2	74.5	75.1	101	134	191	305	590	550	460	313	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1943 - 2001	
ANNUAL TOTAL	119655		70696			
ANNUAL MEAN	327		194		248	
HIGHEST ANNUAL MEAN					1369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	886	Jun 11	909	Apr 30	5020	Jun 15 1983
LOWEST DAILY MEAN	36	Sep 16	13	Feb 2	4.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	47	Sep 14	13	Feb 2	4.9	Jan 22 1980
ANNUAL RUNOFF (AC-FT)	237300		140200		179700	
10 PERCENT EXCEEDS	683		502		641	
50 PERCENT EXCEEDS	268		66		76	
90 PERCENT EXCEEDS	63		15		19	

e Estimated

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'03", in SW¼SE¼SE¼ 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 1	2200	167	1.71	Jun 23	1930	176	1.72
May 17	2130	*230	*1.91				

Minimum daily discharge, 16 ft^3/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	20	18	e17	e16	18	33	119	99	75	33	22
2	18	e20	18	e17	e16	18	35	127	96	74	34	24
3	18	e20	18	e17	16	18	37	99	89	73	34	26
4	17	e20	18	e17	16	18	32	79	80	71	34	26
5	18	e20	17	e17	17	18	32	69	82	68	32	25
6	17	21	17	e17	17	19	31	65	92	61	30	25
7	17	21	19	e17	17	20	30	74	97	63	31	25
8	17	e21	19	e17	e17	19	21	95	95	57	33	25
9	17	e21	19	17	e17	20	27	121	94	58	37	25
10	19	21	18	17	e17	20	28	145	93	57	45	25
11	23	e20	18	17	17	19	26	154	87	56	35	25
12	20	e20	18	17	17	18	24	150	85	63	29	23
13	19	e20	20	e17	17	21	22	169	82	60	30	21
14	19	e20	21	17	17	22	23	169	75	63	29	22
15	19	e20	18	e17	16	18	26	177	71	59	28	22
16	19	e20	e18	e17	e16	19	31	176	68	56	28	21
17	19	e20	e18	e17	e17	19	41	197	66	57	27	21
18	19	e20	e18	e17	17	19	50	185	68	56	26	20
19	19	e20	e18	e17	17	20	51	168	77	55	26	20
20	19	25	e18	e16	17	24	52	164	76	52	29	20
21	20	23	e18	e16	17	26	45	157	75	46	29	20
22	22	20	e18	e16	18	29	41	147	73	46	33	20
23	22	19	e18	e16	18	25	36	145	92	45	28	19
24	24	19	e18	16	18	27	38	142	98	44	25	19
25	21	e18	18	16	17	29	46	136	87	43	25	19
26	20	e18	e17	16	17	32	60	136	90	45	25	19
27	22	18	17	16	18	32	68	137	89	44	25	19
28	23	18	18	16	18	33	73	129	82	42	24	20
29	22	18	e17	e16	---	33	88	116	79	36	24	20
30	22	18	e17	e16	---	29	99	112	77	35	24	20
31	21	---	e17	e16	---	29	---	104	---	33	24	---
TOTAL	609	599	559	515	475	711	1246	4163	2514	1693	916	658
MEAN	19.6	20.0	18.0	16.6	17.0	22.9	41.5	134	83.8	54.6	29.5	21.9
MAX	24	25	21	17	18	33	99	197	99	75	45	26
MIN	17	18	17	16	16	18	21	65	66	33	24	19
AC-FT	1210	1190	1110	1020	942	1410	2470	8260	4990	3360	1820	1310

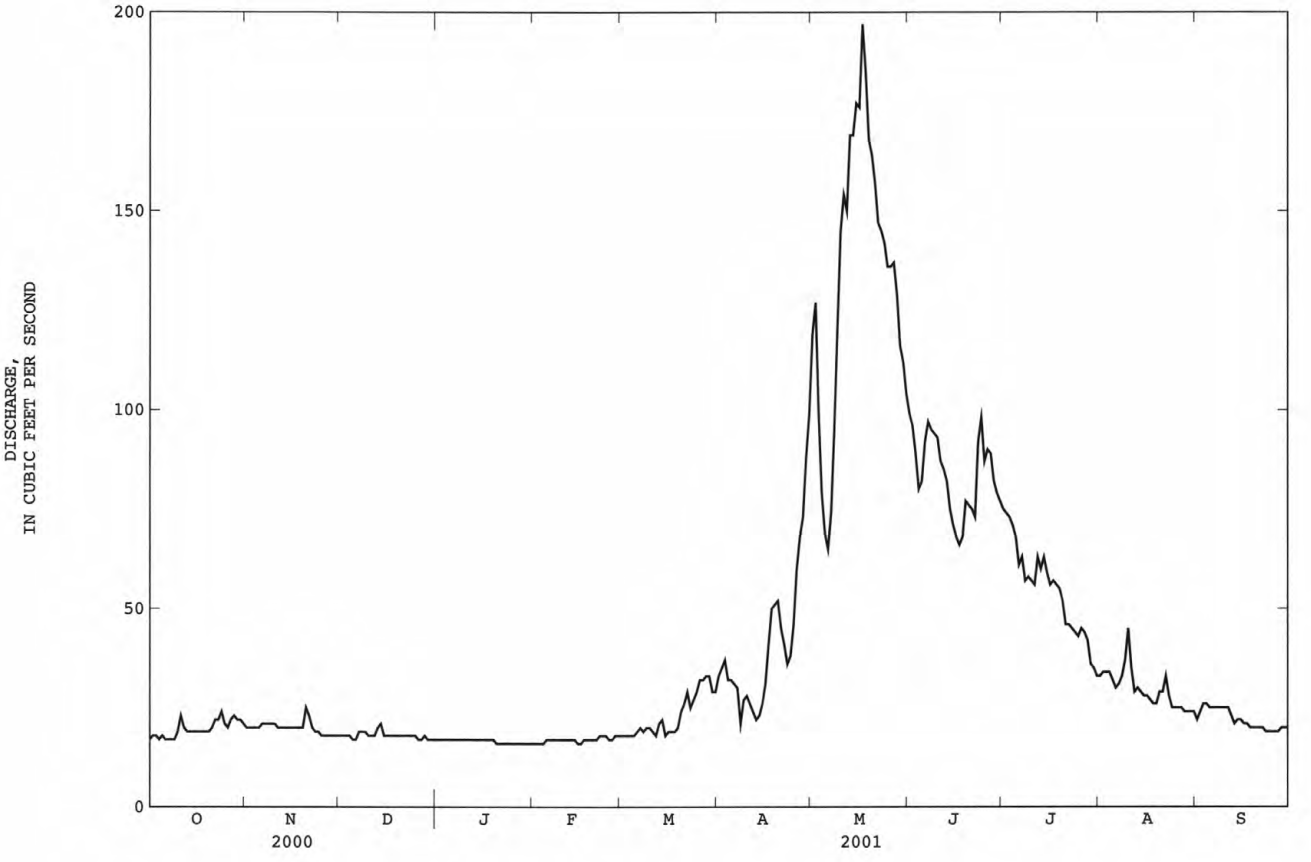
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	23.7	21.7	19.5	18.3	18.9	22.7	53.5	168	153	63.8	37.2	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915 - 2001	
ANNUAL TOTAL	12168		14658			
ANNUAL MEAN	33.2		40.2		52.4	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	132	May 4	197	May 17	884	May 24 1984
LOWEST DAILY MEAN	15	Sep 16	16	Jan 20	7.2	Dec 20 1976
ANNUAL SEVEN-DAY MINIMUM	16	Sep 14	16	Jan 20	8.4	Dec 19 1976
ANNUAL RUNOFF (AC-FT)	24140		29070		37930	
10 PERCENT EXCEEDS	75		92		117	
50 PERCENT EXCEEDS	21		22		25	
90 PERCENT EXCEEDS	18		17		15	

e Estimated



10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE¼SW¼SW¼ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, 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, 92 ft^3/s, May 18, gage height, 4.31 ft; minimum daily discharge, 0.05 ft^3/s, Jun 25, 28, Jul 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	53	38	e26	e32	37	28	.37	.13	.06	.21	.84
2	.17	47	38	e27	e33	37	20	5.5	.08	.05	.19	.85
3	.18	45	37	e27	35	38	19	4.9	.09	.06	.31	.90
4	.21	46	37	e28	35	37	15	4.9	.18	.07	.34	.78
5	.20	45	37	e29	35	34	13	4.2	.19	.09	.25	.79
6	.20	44	36	e30	35	34	16	.67	.24	.10	.32	.72
7	.20	45	36	e30	34	36	14	.47	.30	.12	.41	.67
8	.20	45	38	e31	e32	37	19	.41	.38	.11	.70	.75
9	.18	46	38	32	e30	36	23	.49	.42	.31	.78	.74
10	.25	48	38	34	e32	47	25	3.0	.44	.64	.63	.76
11	1.8	46	37	33	36	54	20	13	.40	.19	.58	.70
12	.30	43	37	33	35	40	19	9.8	.37	.11	.66	.71
13	.25	41	37	34	34	37	16	27	.46	.15	.83	.79
14	.25	e40	37	33	34	36	16	33	.37	.23	.83	.75
15	5.2	e40	38	33	34	34	7.2	57	.34	1.4	.75	.72
16	12	e39	e34	e32	35	35	1.3	56	.31	.22	.75	.71
17	17	38	e32	e30	35	33	.51	72	.36	.14	.83	.79
18	24	36	e32	e30	37	32	.40	82	.32	.12	.75	.71
19	23	e38	35	e30	44	31	.35	63	.29	.11	.96	.63
20	23	e39	37	e30	38	32	.40	57	.24	.11	1.1	.51
21	24	e40	39	e30	35	33	.61	50	.18	.10	1.2	.35
22	27	41	37	e33	35	35	.86	37	.12	.11	1.3	.30
23	27	41	37	35	34	34	.61	33	.11	.12	1.3	.23
24	29	41	36	36	34	33	.42	23	.06	.14	1.2	.22
25	30	40	36	34	33	38	.36	18	.05	.16	1.1	.19
26	29	39	e34	34	32	39	.36	15	.06	.24	1.0	.18
27	31	40	e33	33	34	40	.34	13	.06	.25	1.0	.16
28	37	39	e30	33	35	41	.33	11	.05	.21	.98	.19
29	33	39	e28	e30	---	42	.36	5.7	.06	.18	1.1	.24
30	42	39	e26	e30	---	38	.37	1.1	.07	.18	1.1	.28
31	50	---	e26	e30	---	34	---	.89	---	.21	.98	---
TOTAL	467.78	1263	1091	970	967	1144	277.78	702.40	6.73	6.29	24.44	17.16
MEAN	15.1	42.1	35.2	31.3	34.5	36.9	9.26	22.7	.22	.20	.79	.57
MAX	50	53	39	36	44	54	28	82	.46	1.4	1.3	.90
MIN	.17	36	26	26	30	31	.33	.37	.05	.05	.19	.16
AC-FT	928	2510	2160	1920	1920	2270	551	1390	13	12	48	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-2001, BY WATER YEAR (WY)

MEAN	19.5	41.4	41.3	39.3	43.1	43.3	30.3	73.6	82.3	16.1	14.7	11.2
MAX	66.9	70.1	62.7	65.6	65.5	85.8	144	622	1113	134	136	49.6
(WY)	1984	1983	1985	1969	1930	1916	1984	1984	1983	1983	1936	1936
MIN	.000	18.0	18.9	19.1	21.5	22.3	1.93	.32	.000	.000	.000	.000
(WY)	1932	1991	1991	1973	1935	1935	1935	1934	1934	1934	1931	1924

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915-36, 1938-2001	
ANNUAL TOTAL	7983.78		6937.58			
ANNUAL MEAN	21.8		19.0		37.9	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	80	Jan 26	82	May 18	1700	Jun 19 1983
LOWEST DAILY MEAN	.17	Sep 5	.05	Jun 25	.00	May 7 1924
ANNUAL SEVEN-DAY MINIMUM	.19	Oct 1	.06	Jun 24	.00	Aug 7 1924
ANNUAL RUNOFF (AC-FT)	15840		13760		27480	
10 PERCENT EXCEEDS	52		40		59	
50 PERCENT EXCEEDS	10		19		30	
90 PERCENT EXCEEDS	.22		.18		.64	

e Estimated

10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in SE¼NW¼NW¼ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, on right bank, 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 except for estimated daily discharges, which are poor. 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, 78 ft^3/s, Jun 19, 20, gage height, 1.60 ft; minimum daily discharge, 3.3 ft^3/s, on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.3	3.7	3.7	4.8	5.9	6.2	53	43	54	38	18
2	3.9	3.3	3.7	3.7	4.4	6.0	6.2	57	40	57	36	18
3	3.7	3.3	3.7	3.7	4.6	6.2	6.2	54	39	54	35	18
4	4.0	3.3	3.6	3.7	4.9	6.2	6.2	51	37	46	33	18
5	3.9	3.3	3.6	3.7	4.9	6.2	6.5	52	37	39	33	18
6	3.7	3.3	3.7	3.7	4.9	6.2	6.7	57	38	34	34	19
7	3.6	3.4	3.7	3.7	4.9	6.2	6.7	54	37	33	36	20
8	3.5	3.5	3.7	3.7	4.9	6.2	6.9	54	40	32	37	19
9	3.6	3.7	3.7	3.7	4.9	6.2	6.7	56	44	31	35	20
10	3.7	3.7	3.7	3.7	5.1	6.2	6.8	58	44	28	30	20
11	3.7	3.7	3.7	3.7	5.3	6.2	6.7	60	50	22	22	19
12	3.7	3.4	3.7	3.7	5.3	6.2	6.7	62	57	21	25	18
13	3.7	3.5	3.7	3.7	5.3	6.0	7.1	62	61	21	24	14
14	3.7	3.6	3.7	3.7	5.8	5.8	7.2	65	52	19	22	14
15	3.7	3.7	3.7	3.7	5.7	5.8	7.3	67	52	8.6	25	13
16	3.6	3.4	3.7	3.7	5.8	5.8	7.3	67	61	e5.0	28	14
17	3.3	3.3	3.7	3.7	5.8	5.8	7.3	67	61	e5.0	28	18
18	3.3	3.3	3.7	3.7	5.9	5.8	7.3	64	65	7.3	25	18
19	3.3	3.3	3.7	3.7	6.2	5.8	7.9	61	75	10	23	18
20	3.3	3.3	3.7	3.7	6.2	5.8	10	59	75	17	22	12
21	3.6	3.3	3.7	3.7	6.1	5.6	9.8	59	74	25	24	3.8
22	3.5	3.3	3.7	3.9	6.1	5.5	12	57	64	29	25	3.5
23	3.3	3.4	3.7	4.0	5.9	5.6	15	56	56	29	24	3.3
24	3.3	3.5	3.7	4.0	5.8	5.8	14	57	63	32	21	3.3
25	3.3	3.6	3.7	4.3	6.0	5.8	14	58	61	34	22	3.4
26	3.3	3.7	3.7	4.3	6.2	6.1	22	61	60	33	24	5.1
27	3.3	3.7	3.7	4.4	6.1	6.2	36	61	50	29	23	6.5
28	3.3	3.7	3.7	4.4	6.1	6.2	39	61	52	29	23	4.5
29	3.3	3.7	3.7	4.4	---	6.2	43	61	52	30	23	4.0
30	3.5	3.7	3.7	4.6	---	6.2	51	58	53	34	23	3.7
31	3.5	---	3.7	4.8	---	6.2	---	49	---	36	20	---
TOTAL	110.0	104.2	114.5	120.8	153.9	185.9	395.7	1818	1593	883.9	843	387.1
MEAN	3.55	3.47	3.69	3.90	5.50	6.00	13.2	58.6	53.1	28.5	27.2	12.9
MAX	4.0	3.7	3.7	4.8	6.2	6.2	51	67	75	57	38	20
MIN	3.3	3.3	3.6	3.7	4.4	5.5	6.2	49	37	5.0	20	3.3
AC-FT	218	207	227	240	305	369	785	3610	3160	1750	1670	768

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1936, 1938 - 2001, BY WATER YEAR (WY)

MEAN	12.3	10.3	11.1	11.9	11.7	15.4	28.3	96.1	108	84.1	65.7	35.1
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1915-36, 1938-2001	
ANNUAL TOTAL	6543.1		6710.0			
ANNUAL MEAN	17.9		18.4		40.7	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					12.6	1960
HIGHEST DAILY MEAN	81	May 5	75	Jun 19	1210	Jun 20 1983
LOWEST DAILY MEAN	3.3	Oct 17	3.3	Oct 17	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	3.3	Oct 23	3.3	Oct 23	1.5	Oct 24 1914
ANNUAL RUNOFF (AC-FT)	12980		13310		29470	
10 PERCENT EXCEEDS	56		56		103	
50 PERCENT EXCEEDS	6.0		6.2		14	
90 PERCENT EXCEEDS	3.6		3.5		4.6	

e Estimated

10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in SE¼SE¼NE¼ sec. 13, T. 36 S., R. 11 W., Iron County, Hydrologic Unit 16030006, on right bank 1.2 mi east of Cedar City, and 3.7 mi downstream 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 for estimated daily discharges and daily discharges for Sep 5, 6, 8, 10, 11, and 13 to 30, 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)
Aug 8	1815	*2,040	*9.55	No other peaks above base discharge.			

Minimum discharge, 6.9 ft^3/s, Feb 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	e15	11	14	18	12	43	230	62	23	12	e12
2	7.9	e14	12	13	14	12	49	221	58	23	12	e11
3	7.9	e14	11	17	12	12	42	133	54	23	12	e12
4	8.1	e17	12	17	13	12	38	111	51	22	12	e10
5	8.3	e14	12	15	15	12	37	104	48	22	e12	10
6	8.2	e13	12	10	16	13	33	123	45	21	e12	10
7	8.3	e11	12	12	13	13	28	174	43	22	e12	e10
8	8.3	e11	12	11	12	14	28	227	40	21	62	11
9	8.3	e11	11	10	e17	17	28	249	38	32	e18	e11
10	17	e11	11	10	18	14	27	274	35	29	e16	10
11	14	e11	11	10	13	14	24	251	33	20	e15	10
12	11	10	11	10	12	13	25	258	32	18	e14	e10
13	9.9	15	12	11	11	15	25	258	32	16	e18	11
14	9.9	19	13	13	11	18	33	258	31	17	e20	11
15	9.6	12	11	15	11	16	42	228	29	17	e18	11
16	9.1	12	12	e15	12	15	48	221	28	15	e16	10
17	9.1	12	13	e15	12	14	60	295	27	15	e18	9.8
18	9.1	15	13	16	11	16	61	211	27	15	e14	9.7
19	9.2	18	e12	16	11	25	61	237	26	14	e16	9.5
20	9.2	18	e11	16	12	31	58	173	25	14	e20	9.6
21	9.3	17	15	12	12	33	49	132	25	14	e14	9.4
22	9.7	13	13	12	12	37	44	139	25	13	e17	9.3
23	e13	12	e12	14	13	37	42	129	25	13	e14	9.1
24	e12	12	12	11	11	35	53	143	25	13	e18	8.9
25	e11	12	11	11	12	37	71	102	24	e13	e16	8.9
26	e11	12	15	12	12	38	91	97	26	e13	e12	9.0
27	e12	11	18	11	12	36	107	95	26	e13	e14	9.2
28	e12	12	20	11	12	34	130	87	e25	13	e12	9.5
29	e9.0	12	24	e11	---	32	156	80	24	12	e16	9.9
30	e15	11	21	11	---	29	169	74	23	12	e14	10
31	e14	---	16	12	---	35	---	68	---	12	e11	---
TOTAL	318.5	397	412	394	360	691	1702	5382	1012	540	507	301.8
MEAN	10.3	13.2	13.3	12.7	12.9	22.3	56.7	174	33.7	17.4	16.4	10.1
MAX	17	19	24	17	18	38	169	295	62	32	62	12
MIN	7.9	10	11	10	11	12	24	68	23	12	11	8.9
AC-FT	632	787	817	781	714	1370	3380	10680	2010	1070	1010	599

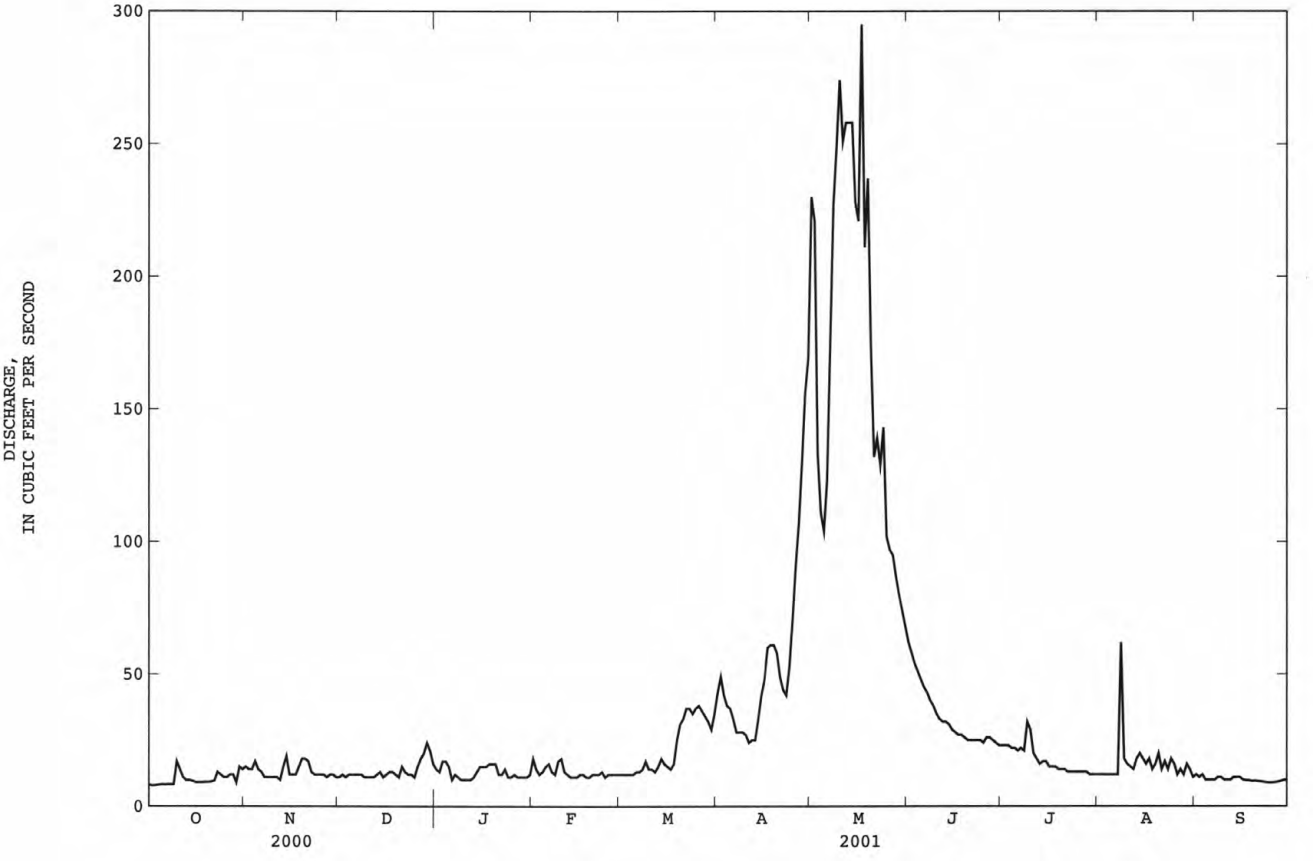
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	12.6	11.6	10.4	10.1	11.8	18.2	55.7	145	70.4	22.6	17.3	14.0
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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	8708.1		12017.3			
ANNUAL MEAN	23.8		32.9		33.5	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	185	May 3	295	May 17	1080	May 31 1983
LOWEST DAILY MEAN	7.9	Aug 13	7.9	Oct 2	2.1	Nov 3 1990
ANNUAL SEVEN-DAY MINIMUM	8.1	Sep 30	8.1	Oct 1	2.5	Oct 28 1990
ANNUAL RUNOFF (AC-FT)	17270		23840		24240	
10 PERCENT EXCEEDS	56		69		76	
50 PERCENT EXCEEDS	12		14		13	
90 PERCENT EXCEEDS	8.9		10		7.8	

e Estimated



402356109253101 RIVER IRRIGATION CO. CANAL NEAR NAPLES, UT

LOCATION.--Lat 40°23'56", long 109°25'31", in SW¼SW¼NE¼ sec. 10, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on left bank east of Naples.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,920 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, 16 ft^3/s, Aug 4, 2001; minimum daily discharge, no flow many days during winter months.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 16 ft^3/s, Aug 4; minimum daily discharge, no flow many days during winter months.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	e.00	e.00	e.00	e.00	e.00	e.00	8.0	12	12	15	8.2
2	11	e.00	e.00	e.00	e.00	e.00	e.00	8.2	12	12	13	8.6
3	8.6	e.00	e.00	e.00	e.00	e.00	e2.5	7.2	12	12	12	8.5
4	7.1	e.00	e.00	e.00	e.00	e.00	e5.0	7.2	11	12	16	8.1
5	8.7	e.00	e.00	e.00	e.00	e.00	e5.0	7.2	10	11	14	7.9
6	9.6	e.00	e.00	e.00	e.00	e.00	e3.0	7.1	9.0	11	10	7.4
7	14	e.00	e.00	e.00	e.00	e.00	e2.5	7.7	8.7	11	9.7	7.5
8	11	e.00	e.00	e.00	e.00	e.00	e2.0	7.6	9.0	10	10	9.8
9	9.6	e.00	e.00	e.00	e.00	e.00	e2.0	7.8	12	12	10	8.5
10	6.0	e.00	e.00	e.00	e.00	e.00	e1.9	8.7	9.1	12	11	8.9
11	2.8	e.00	e.00	e.00	e.00	e.00	e1.8	9.8	8.9	11	11	9.2
12	2.7	e.00	e.00	e.00	e.00	e.00	e1.8	11	8.3	11	11	8.9
13	2.6	e.00	e.00	e.00	e.00	e.00	4.7	11	7.8	9.7	12	9.2
14	2.5	e.00	e.00	e.00	e.00	e.00	8.4	11	7.0	9.8	12	9.5
15	e2.0	e.00	e.00	e.00	e.00	e.00	7.0	11	7.7	11	9.5	9.7
16	e.00	e.00	e.00	e.00	e.00	e.00	6.8	11	10	11	8.7	9.4
17	e.00	e.00	e.00	e.00	e.00	e.00	6.1	10	10	10	8.2	9.3
18	e.00	e.00	e.00	e.00	e.00	e.00	5.8	9.7	10	10	8.0	9.1
19	e.00	e.00	e.00	e.00	e.00	e.00	5.3	9.9	9.2	9.2	8.1	9.1
20	e.00	e.00	e.00	e.00	e.00	e.00	5.5	10	8.9	8.2	8.3	9.0
21	e.00	e.00	e.00	e.00	e.00	e.00	6.5	10	8.3	7.7	8.3	8.4
22	e.00	e.00	e.00	e.00	e.00	e.00	6.2	9.1	8.3	6.3	8.4	7.0
23	e.00	e.00	e.00	e.00	e.00	e.00	6.5	9.8	8.0	5.9	8.1	.95
24	e.00	e.00	e.00	e.00	e.00	e.00	7.8	11	8.7	9.6	7.9	.70
25	e.00	e.00	e.00	e.00	e.00	e.00	7.6	11	8.9	11	8.7	.57
26	e.00	e.00	e.00	e.00	e.00	e.00	7.8	11	8.7	8.9	8.3	.38
27	e.00	e.00	e.00	e.00	e.00	e.00	7.8	13	9.5	10	8.3	.31
28	e.00	e.00	e.00	e.00	e.00	e.00	7.5	12	9.7	13	8.0	.45
29	e.00	e.00	e.00	e.00	---	e.00	7.6	12	9.9	11	7.9	.55
30	e.00	e.00	e.00	e.00	---	e.00	8.0	12	11	13	8.3	.59
31	e.00	---	e.00	e.00	---	e.00	---	11	---	15	8.0	---
TOTAL	107.00	0.00	0.00	0.00	0.00	0.00	150.40	303.0	283.6	327.3	307.7	195.70
MEAN	3.45	.000	.000	.000	.000	.000	5.01	9.77	9.45	10.6	9.93	6.52
MAX	14	.00	.00	.00	.00	.00	8.4	13	12	15	16	9.8
MIN	.00	.00	.00	.00	.00	.00	.00	7.1	7.0	5.9	7.9	.31
AC-FT	212	.00	.00	.00	.00	.00	298	601	563	649	610	388

WTR YR 2001 TOTAL 1674.70 MEAN 4.59 MAX 16 MIN .00 AC-FT 3320

e Estimated

GREEN RIVER BASIN

402356109253101 RIVER IRRIGATION CO. CANAL NEAR NAPLES, UT--Continued

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	4.8	12
2	---	---	---	---	---	---	---	---	---	8.7	5.2	15
3	---	---	---	---	---	---	---	---	---	11	5.5	8.7
4	---	---	---	---	---	---	---	---	---	10	4.0	6.5
5	---	---	---	---	---	---	---	---	---	8.3	3.0	5.8
6	---	---	---	---	---	---	---	---	---	6.3	2.6	5.5
7	---	---	---	---	---	---	---	---	---	6.1	2.4	6.1
8	---	---	---	---	---	---	---	---	---	7.8	2.4	6.9
9	---	---	---	---	---	---	---	---	---	9.8	2.2	9.7
10	---	---	---	---	---	---	---	---	---	12	2.9	11
11	---	---	---	---	---	---	---	---	---	14	3.6	13
12	---	---	---	---	---	---	---	---	---	13	2.6	8.9
13	---	---	---	---	---	---	---	---	---	11	3.0	8.5
14	---	---	---	---	---	---	---	---	---	8.3	3.5	6.1
15	---	---	---	---	---	---	---	---	---	8.4	3.8	5.0
16	---	---	---	---	---	---	---	---	---	9.5	3.9	5.7
17	---	---	---	---	---	---	---	---	---	9.9	3.8	4.0
18	---	---	---	---	---	---	---	---	---	8.8	5.1	5.8
19	---	---	---	---	---	---	---	---	---	7.1	5.3	5.8
20	---	---	---	---	---	---	---	---	---	4.5	5.9	5.3
21	---	---	---	---	---	---	---	---	---	4.6	4.4	6.1
22	---	---	---	---	---	---	---	---	---	5.6	4.8	11
23	---	---	---	---	---	---	---	---	9.6	8.9	6.3	17
24	---	---	---	---	---	---	---	---	8.9	6.2	5.4	17
25	---	---	---	---	---	---	---	---	9.0	7.4	5.5	16
26	---	---	---	---	---	---	---	---	11	7.2	6.5	12
27	---	---	---	---	---	---	---	---	14	6.6	5.9	8.5
28	---	---	---	---	---	---	---	---	13	4.3	5.0	8.5
29	---	---	---	---	---	---	---	---	11	6.1	6.0	7.7
30	---	---	---	---	---	---	---	---	10	7.5	9.6	9.2
31	---	---	---	---	---	---	---	---	---	7.1	17	---
TOTAL	---	---	---	---	---	---	---	---	86.5	257.0	151.9	268.3
MEAN	---	---	---	---	---	---	---	---	10.8	8.29	4.90	8.94
MAX	---	---	---	---	---	---	---	---	14	14	17	17
MIN	---	---	---	---	---	---	---	---	8.9	4.3	2.2	4.0
AC-FT	---	---	---	---	---	---	---	---	172	510	301	532

403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, UT

LOCATION.--Lat 40°32'58", long 112°12'32, in SE$^{1}/_{4}$NE$^{1}/_{4}$NW$^{1}/_{4}$ sec. 20, T. 3 S., R. 3 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,560 ft above sea level, from topographic map.

REMARKS.--Owned by Kennecott Utah Copper. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3.0 ft^3/s, Jun 2, 2001; minimum discharge, 0.55 ft^3/s, Jan 24, 28, Mar 14, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3.0 ft^3/s, Jun 2, gage height, 0.82 ft; minimum discharge, 0.55 ft^3/s, Jan 24, 28, Mar 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.95	.69	.71	.64	.58	.58	.62	e1.3	2.4	.92	.77	.74
2	.92	.67	.71	.64	.58	.58	.63	e1.3	2.4	.92	.77	.74
3	.92	.67	.71	.64	.58	.58	.64	1.3	2.1	.90	.78	.74
4	.92	.67	.71	.64	.58	.58	.65	1.4	2.1	.88	.74	.74
5	.92	.69	.69	.64	.58	.58	.69	1.4	2.1	.88	.74	.74
6	.92	.69	.67	.61	.58	.58	.74	1.5	2.0	.88	.74	.74
7	.88	.71	.67	.61	.60	.58	.75	1.6	2.0	.88	.74	.73
8	.88	.70	.67	.61	.58	.58	.80	1.7	1.9	.93	.74	.71
9	.88	.71	.67	.61	.58	.59	.81	1.8	1.8	.85	.74	.71
10	.89	.71	.69	.61	.58	.61	.83	1.9	1.8	.87	.74	.71
11	.88	.71	.71	.61	.58	.60	.86	2.0	1.7	.86	.74	.69
12	.84	.71	.69	.61	.58	.58	.91	2.0	1.6	.88	.74	.69
13	.84	.71	.67	.61	.58	.58	.92	2.1	1.5	.82	.77	.67
14	.83	.70	.66	.61	.58	.58	.92	2.1	1.5	.81	.77	.68
15	.81	.69	.67	.61	.58	.58	.92	2.1	1.4	.81	.77	.70
16	.81	.74	.67	.61	.58	.60	.92	2.2	1.3	.81	.77	.69
17	.77	.74	.67	.61	.58	.60	.95	2.2	1.3	.81	.77	.67
18	.77	.74	.67	.61	.58	.58	.96	2.2	1.2	.81	.77	.67
19	.75	.74	.67	.59	.58	.58	.97	2.2	1.2	.83	.77	.67
20	.71	.74	.67	.58	.58	.58	.99	2.2	1.2	.83	.78	.66
21	.71	.74	.66	.58	.58	.60	.99	2.2	1.2	.84	.78	.64
22	.70	.74	.64	.59	.58	.61	.99	2.2	1.1	.84	.77	.64
23	.67	.74	.64	.61	.58	.61	.99	2.3	1.1	.84	.77	.64
24	.67	.74	.65	.59	.58	.61	1.0	2.4	1.1	.84	.77	.64
25	.67	.74	.64	.58	.58	.61	1.0	2.5	1.1	.82	.77	.64
26	.67	.74	.64	.58	.58	.59	1.0	2.5	1.0	.79	.77	.64
27	.70	.73	.64	.58	.58	.58	1.1	2.5	1.0	.80	.77	.64
28	.68	.71	.64	.58	.58	.59	1.2	2.5	.93	.80	.75	.64
29	.67	.71	.64	.58	---	.60	1.2	2.4	.92	.79	.74	.64
30	.68	.71	.64	.59	---	.61	1.3	2.3	.92	.78	.74	.64
31	.68	---	.64	.58	---	.61	---	2.3	---	.77	.74	---
TOTAL	24.59	21.43	20.72	18.74	16.26	18.32	27.25	62.6	44.87	26.09	23.52	20.49
MEAN	.79	.71	.67	.60	.58	.59	.91	2.02	1.50	.84	.76	.68
MAX	.95	.74	.71	.64	.60	.61	1.3	2.5	2.4	.93	.78	.74
MIN	.67	.67	.64	.58	.58	.58	.62	1.3	.92	.77	.74	.64

e Estimated

403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, UT--Continued

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	---	---	---	---	---	---	---	---	---	1.2	1.0	1.1
2	---	---	---	---	---	---	---	---	---	1.2	.99	1.1
3	---	---	---	---	---	---	---	---	---	1.2	.99	1.1
4	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
5	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
6	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
7	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
8	---	---	---	---	---	---	---	---	---	1.1	.99	1.1
9	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
10	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
11	---	---	---	---	---	---	---	---	---	1.1	.99	1.1
12	---	---	---	---	---	---	---	---	---	1.1	.99	1.0
13	---	---	---	---	---	---	---	---	---	1.1	1.0	1.0
14	---	---	---	---	---	---	---	---	---	1.1	1.0	1.1
15	---	---	---	---	---	---	---	---	---	1.0	1.0	1.0
16	---	---	---	---	---	---	---	---	---	1.1	.99	1.1
17	---	---	---	---	---	---	---	---	---	1.0	.99	1.0
18	---	---	---	---	---	---	---	---	---	1.0	.99	1.0
19	---	---	---	---	---	---	---	---	---	1.0	.97	1.0
20	---	---	---	---	---	---	---	---	---	1.0	.95	1.0
21	---	---	---	---	---	---	---	---	---	1.0	.95	1.0
22	---	---	---	---	---	---	---	---	---	1.0	.96	.99
23	---	---	---	---	---	---	---	---	1.3	1.0	.97	1.0
24	---	---	---	---	---	---	---	---	1.3	1.0	.97	1.0
25	---	---	---	---	---	---	---	---	1.3	1.1	1.1	.99
26	---	---	---	---	---	---	---	---	1.3	1.1	1.2	.99
27	---	---	---	---	---	---	---	---	1.3	1.0	1.2	.95
28	---	---	---	---	---	---	---	---	1.2	1.0	1.1	.95
29	---	---	---	---	---	---	---	---	1.2	1.0	1.1	.95
30	---	---	---	---	---	---	---	---	1.2	1.0	1.1	.95
31	---	---	---	---	---	---	---	---	---	1.0	1.1	---
TOTAL	---	---	---	---	---	---	---	---	10.1	33.0	31.59	31.07
MEAN	---	---	---	---	---	---	---	---	1.26	1.06	1.02	1.04
MAX	---	---	---	---	---	---	---	---	1.3	1.2	1.2	1.1
MIN	---	---	---	---	---	---	---	---	1.2	1.0	.95	.95

403835112171801 MILL SPRING NEAR ERDA, UT

LOCATION.--Lat 40°38'35", long 112°17'18, in SW¼NE¼SW¼ sec. 15, T. 2 S., R. 4 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,300 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15 ft^3/s, Sep 15, 16, 2001; mininum daily discharge 2.5 ft^3/s. Aug 6, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 15 ft^3/s, Sep 15, 16; minimum daily discharge, 2.5 ft^3/s, Aug 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.0	e8.9	e8.5	8.3	8.6	9.4	10	e9.6	9.3	9.4	6.0	6.2
2	e8.8	e8.8	8.4	8.3	8.6	9.5	10	9.4	9.5	9.7	8.2	6.1
3	e8.8	e8.8	8.4	8.3	8.7	9.8	9.6	9.9	9.2	4.7	8.2	6.1
4	e8.8	e8.8	8.4	8.3	8.8	9.7	e9.6	9.3	8.8	9.9	8.2	11
5	e8.6	e8.6	8.5	8.3	8.8	9.8	e9.6	9.4	2.9	9.8	5.6	5.8
6	e8.6	e8.6	8.4	8.2	8.9	9.9	e9.8	9.5	7.2	9.9	2.5	4.6
7	e8.6	e8.6	8.5	8.3	9.1	9.9	e9.8	9.9	9.9	10	2.8	4.8
8	e8.6	e8.7	8.5	8.3	9.0	10	e9.8	10	9.9	10	6.6	5.6
9	e8.8	e8.7	8.5	8.3	8.9	10	e9.6	10	9.9	11	8.0	5.0
10	e8.9	e8.8	8.6	8.4	9.0	10	e9.4	10	9.9	11	8.5	4.3
11	e8.9	e8.9	8.4	8.4	9.1	9.9	e9.4	10	9.2	11	8.7	4.9
12	e8.8	e8.9	8.5	8.5	9.0	9.8	e9.6	10	7.8	11	8.8	5.7
13	e8.8	e8.9	8.7	8.5	9.1	9.9	e9.7	9.7	9.1	11	8.7	5.5
14	e8.7	e8.8	8.6	8.5	9.1	9.8	e9.6	9.6	9.0	10	8.5	7.2
15	e8.8	e8.7	8.6	8.6	9.0	9.7	e9.6	3.6	9.5	9.1	8.6	15
16	e8.8	e8.8	8.5	8.6	9.1	9.9	e9.5	7.8	10	9.2	7.9	15
17	e9.0	e8.8	8.4	8.3	9.2	9.9	e9.6	9.8	11	8.9	7.3	7.1
18	e8.8	e9.0	8.3	8.2	9.3	9.8	e9.8	10	11	9.0	6.7	3.9
19	e8.7	e8.9	8.2	8.2	9.5	9.8	e9.8	9.8	3.9	9.7	7.1	4.8
20	e8.6	e8.9	8.2	8.2	9.4	9.8	e9.9	9.7	8.0	9.7	7.4	5.8
21	e8.6	e8.8	8.2	8.2	9.5	10	e10	9.4	11	9.8	12	6.4
22	e8.6	e8.6	8.3	8.3	9.5	10	e9.9	9.8	10	10	6.4	6.7
23	e8.6	e8.6	8.3	8.3	9.7	11	e9.8	10	9.6	10	5.0	6.8
24	e8.7	e8.8	8.3	8.3	9.7	11	e9.7	11	9.0	7.9	5.6	6.9
25	e8.7	e8.8	8.4	8.4	9.5	11	e9.6	11	8.7	11	6.4	12
26	e8.6	e8.8	8.3	8.4	9.4	10	e9.6	11	3.5	11	6.5	9.9
27	e8.6	e8.8	8.2	8.5	9.5	9.9	e9.8	11	6.9	10	12	7.9
28	e8.7	e8.9	8.3	8.5	9.4	9.9	e9.9	10	9.0	9.9	7.2	8.5
29	e8.8	e8.8	8.3	8.4	---	10	e9.9	9.7	9.0	9.1	5.6	8.1
30	e8.9	e8.7	8.3	8.4	---	10	e9.8	9.0	9.4	8.3	6.0	7.5
31	e9.0	---	8.3	8.5	---	10	---	9.0	---	4.5	6.2	---
MEAN	8.75	8.78	8.40	8.36	9.16	9.97	9.72	9.61	8.70	9.53	7.20	7.17
MAX	9.0	9.0	8.7	8.6	9.7	11	10	11	11	11	12	15
MIN	8.6	8.6	8.2	8.2	8.6	9.4	9.4	3.6	2.9	4.5	2.5	3.9

e Estimated

TOOELE VALLEY

403835112171801 MILL SPRING NEAR ERDA, 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	---	---	---	---	---	---	---	---	---	9.7	3.2	e8.6
2	---	---	---	---	---	---	---	---	---	9.5	5.2	e8.2
3	---	---	---	---	---	---	---	---	---	8.7	7.2	e8.6
4	---	---	---	---	---	---	---	---	---	6.8	6.9	e8.6
5	---	---	---	---	---	---	---	---	---	6.6	6.7	e5.8
6	---	---	---	---	---	---	---	---	---	9.1	7.0	e9.0
7	---	---	---	---	---	---	---	---	---	10	6.9	e8.6
8	---	---	---	---	---	---	---	---	---	9.1	2.6	e8.5
9	---	---	---	---	---	---	---	---	---	9.0	e7.0	e8.0
10	---	---	---	---	---	---	---	---	---	9.3	8.7	e8.3
11	---	---	---	---	---	---	---	---	---	9.2	7.7	e8.4
12	---	---	---	---	---	---	---	---	---	9.9	7.4	e6.0
13	---	---	---	---	---	---	---	---	---	10	6.6	e9.0
14	---	---	---	---	---	---	---	---	---	9.6	6.5	e8.6
15	---	---	---	---	---	---	---	---	---	9.4	3.1	e8.1
16	---	---	---	---	---	---	---	---	---	9.4	7.1	e8.6
17	---	---	---	---	---	---	---	---	---	6.0	8.2	e8.6
18	---	---	---	---	---	---	---	---	---	4.9	7.6	e8.4
19	---	---	---	---	---	---	---	---	---	5.6	7.7	e9.0
20	---	---	---	---	---	---	---	---	---	7.4	8.7	e8.6
21	---	---	---	---	---	---	---	---	---	7.9	8.7	e8.2
22	---	---	---	---	---	---	---	---	---	8.0	5.8	e8.2
23	---	---	---	---	---	---	---	---	---	8.0	9.1	e8.6
24	---	---	---	---	---	---	---	---	---	7.9	8.8	e8.6
25	---	---	---	---	---	---	---	---	---	3.8	e8.2	e8.4
26	---	---	---	---	---	---	---	---	13	6.2	e8.6	e8.1
27	---	---	---	---	---	---	---	---	13	7.3	e8.4	e8.6
28	---	---	---	---	---	---	---	---	5.3	7.2	e8.4	e8.6
29	---	---	---	---	---	---	---	---	11	7.3	e6.0	e9.2
30	---	---	---	---	---	---	---	---	10	7.4	e9.0	e9.0
31	---	---	---	---	---	---	---	---	---	7.2	e8.6	---
MEAN	---	---	---	---	---	---	---	---	10.5	7.98	7.15	8.37
MAX	---	---	---	---	---	---	---	---	13	10	9.1	9.2
MIN	---	---	---	---	---	---	---	---	5.3	3.8	2.6	5.8

e Estimated

403011112062801 BUTTERFIELD CREEK NEAR LARK, UT

LOCATION.--Lat 40°30'11", long 112°06'28, in NW¼SW¼NE¼ sec. 6, T. 4 S., R. 2 W., Salt Lake County, Hydrologic Unit 16020204 on left bank, 1.5 miles southwest of Lark.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1991 to September 2000. Records prior to 2000 not published, available from Salt Lake County.

GAGE.--Water-stage recorder. Elevation of gage is 5,690 ft above sea level, from topographic map.

REMARKS.--Records collected by Salt Lake County.

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	3.7	4.4	4.1	3.7	4.1	5.2	5.1	5.0	3.3	3.3	2.8	3.0
2	3.7	4.2	4.1	3.7	4.1	5.2	5.1	5.0	3.2	3.3	2.8	2.8
3	3.7	4.3	3.9	3.7	4.1	5.2	5.1	4.8	3.2	3.2	2.8	2.8
4	3.7	4.3	4.1	3.7	4.5	5.2	5.2	4.8	3.2	3.2	2.8	2.8
5	3.6	4.2	3.4	3.6	4.5	5.2	5.2	4.7	3.2	3.3	2.8	2.8
6	3.6	4.2	4.1	3.8	4.4	5.1	5.2	4.5	3.2	3.2	2.8	2.8
7	3.7	4.3	4.1	3.7	4.4	5.1	5.2	4.7	3.2	3.2	3.0	2.9
8	3.7	4.3	4.1	4.0	4.5	5.2	5.1	4.7	3.2	3.2	3.0	3.0
9	3.7	4.3	3.9	3.9	4.5	5.2	5.2	4.7	3.2	3.3	3.0	3.0
10	3.7	4.3	4.1	3.9	4.8	5.0	5.3	4.5	3.3	3.5	2.9	3.0
11	3.9	4.3	4.1	4.1	4.6	5.0	5.4	4.4	3.3	3.3	2.8	3.0
12	3.9	4.3	4.1	4.4	4.6	5.1	5.3	4.4	3.2	3.3	2.8	3.0
13	3.9	4.3	4.0	4.3	4.5	5.0	5.3	4.2	3.2	3.3	2.8	2.9
14	3.9	4.3	3.7	4.3	4.6	5.0	5.5	4.2	3.2	3.2	2.8	2.8
15	3.9	4.3	3.4	4.2	4.8	5.0	5.5	4.2	3.2	3.2	2.9	2.8
16	4.3	4.3	3.7	4.3	4.8	4.9	5.3	4.1	3.2	3.2	3.0	2.8
17	5.3	4.3	3.7	4.2	4.8	5.0	5.2	4.1	3.2	3.2	3.0	2.8
18	5.3	4.1	3.7	4.4	4.8	4.9	5.2	3.7	3.2	3.2	3.2	2.8
19	5.3	4.1	3.7	4.2	4.4	5.0	5.1	3.3	3.2	3.1	3.1	2.8
20	5.3	4.1	3.7	4.1	4.8	5.1	5.1	3.2	3.2	3.2	3.0	2.8
21	5.3	4.1	3.8	4.2	5.1	5.0	5.2	3.3	3.2	3.1	3.0	2.9
22	4.7	3.9	3.7	4.1	5.1	4.9	5.3	3.2	3.3	3.1	3.0	2.9
23	4.1	4.0	3.4	4.2	5.0	5.0	5.3	3.2	3.2	3.1	3.0	3.3
24	4.1	3.5	3.6	4.4	5.2	5.0	5.4	3.4	3.3	3.1	3.0	2.9
25	4.1	4.1	3.7	4.5	4.8	5.0	5.2	3.5	3.3	3.1	2.9	3.0
26	4.1	4.2	3.7	4.3	4.7	5.1	5.2	3.4	3.3	3.1	3.0	3.2
27	4.1	4.3	3.7	4.2	5.0	5.1	5.1	3.4	3.3	3.1	3.0	3.2
28	4.1	4.2	3.7	3.9	5.1	5.3	5.2	3.3	3.2	3.0	3.0	3.2
29	4.3	4.1	3.7	3.8	5.1	5.2	5.3	3.4	3.2	3.0	3.0	3.2
30	4.3	4.1	3.7	3.7	---	5.1	5.2	3.5	3.3	2.8	3.2	3.2
31	4.4	---	3.7	4.1	---	5.1	---	3.6	---	2.8	3.0	---
TOTAL	129.4	125.7	118.1	125.6	135.7	157.4	157.0	124.4	96.9	98.2	91.2	88.4
MEAN	4.17	4.19	3.81	4.05	4.68	5.08	5.23	4.01	3.23	3.17	2.94	2.95
MAX	5.3	4.4	4.1	4.5	5.2	5.3	5.5	5.0	3.3	3.5	3.2	3.3
MIN	3.6	3.5	3.4	3.6	4.1	4.9	5.1	3.2	3.2	2.8	2.8	2.8
AC-FT	257	249	234	249	269	312	311	247	192	195	181	175

WTR YR 2000 TOTAL 1448.0 MEAN 3.96 MAX 5.5 MIN 2.8 AC-FT 2870

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 CAUSEWAY BREACH AT LAKESIDE, UT	11/21/00	1380	144
		01/18/01	1940	383
		04/17/01	2790	721
		05/09/01	2060	691
		06/21/01	1950	598
		09/05/01	1050	341
10010030	GSL UPR N CAUSEWAY WEST CULVERT	11/21/00	0	53
		01/09/01	0	74
		04/17/01	0	79
		05/09/01	0	32
		06/21/01	0	50
		09/05/01	0	63
10010040	GSL UPR N CAUSEWAY EAST CULVERT	11/21/00	0	106
		01/09/01	0	104
		04/17/01	0	80
		05/09/01	0	76
		06/21/01	0	152
		09/05/01	0	162

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2001

STREAM	TRIBUTARY TO	LOCATION	MEASUREMENTS DATE	DISCHARGE (ft^3/s)
		BEAR RIVER BASIN		
Thomas Fork		Lat 42°15'55", long 111°04'11"	07-11-2001	10.9
Bear River above Miller Ditch		Lat 42°09'24", long 111°06'55"	07-11-2001	158
		SEVIER LAKE BASIN		
Manti Creek	Sevier River	Lat 39°15'23", long 111°37'16" Sanpete County		
		Upstream of diversion	01-24-01	2.72
			06-13-01	46.4
		Downstream of diversion	01-24-01	0.33
			06-13-01	12.1

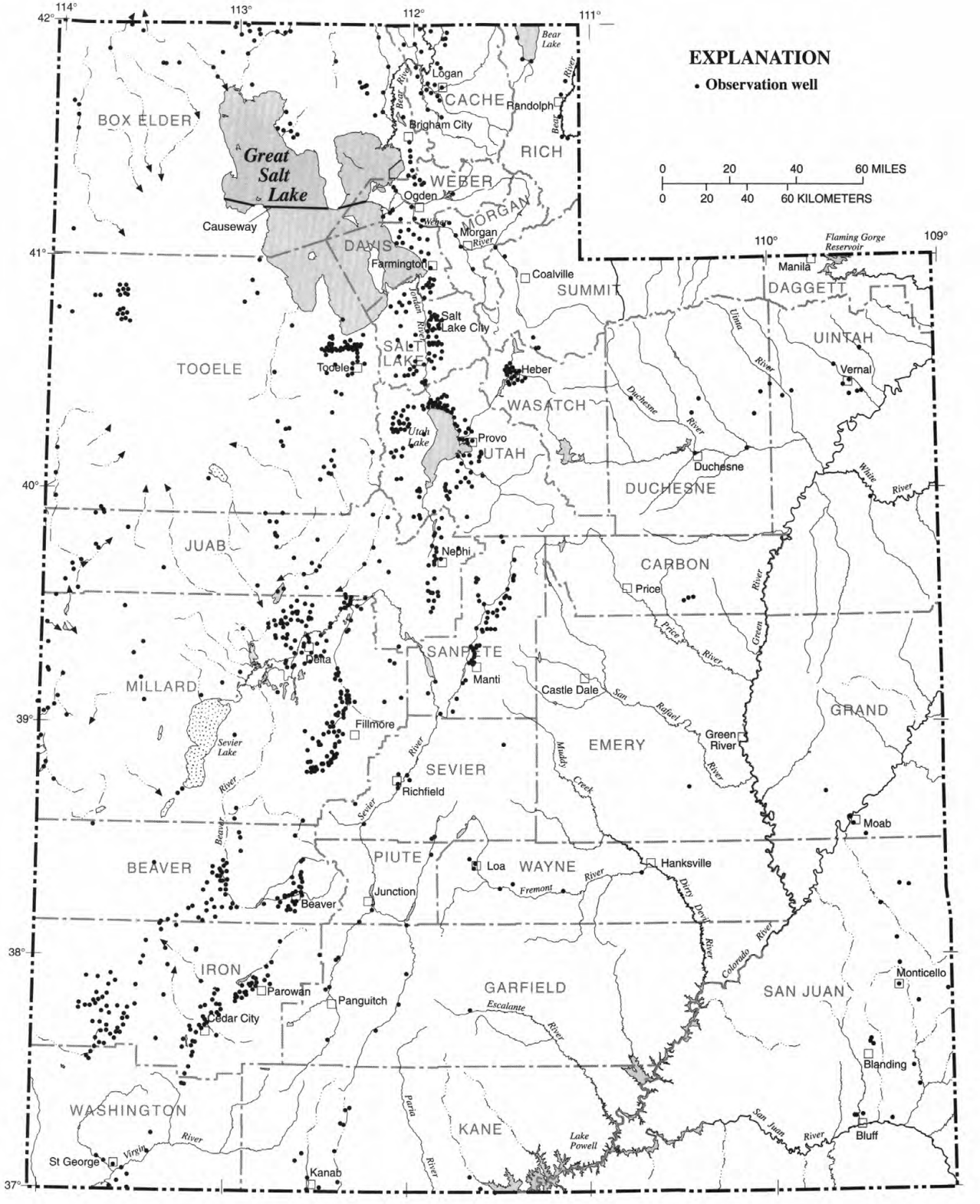


Figure 10. Location of observation wells in Utah where data were obtained on ground-water levels.

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 fair.
PERIOD OF RECORD.--April 1952 to May 2001 (discontinued).
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, Sep 9, 1997.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.87	54.09	53.40	52.93	52.65	52.49	52.25	60.18	---	---	---	---
10	e55.70	53.91	53.26	52.85	52.59	52.39	52.20	---	---	---	---	---
15	55.40	53.81	53.20	52.80	52.56	52.37	52.25	---	---	---	---	---
20	54.91	53.72	53.15	52.79	52.56	52.35	52.29	---	---	---	---	---
25	54.58	53.58	53.07	52.70	52.54	52.32	52.58	---	---	---	---	---
EOM	54.25	53.49	52.99	52.71	52.51	52.29	55.97	---	---	---	---	---

e Estimated

382046112592701. LOCAL NUMBER, (C-28-10)29add-1.
LOCATION.--Lat 38°20'46", Long 112°59'27", Hydrologic Unit 16030007.
Owner: Wiseman.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in., hole depth 543 ft, cased to 480 ft.
DATUM.--Elevation of land-surface datum is 4,999 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 fair.
PERIOD OF RECORD.--May 2001 to September 2001.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 65.38 ft below land-surface datum, May 8; lowest, 103.71 ft below land-surface datum, August 16, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	79.56	95.13	98.40	94.74
10	---	---	---	---	---	---	---	67.84	81.26	95.55	101.92	88.74
15	---	---	---	---	---	---	---	e79.30	79.39	95.88	102.92	86.77
20	---	---	---	---	---	---	---	e84.70	85.47	85.85	102.85	83.02
25	---	---	---	---	---	---	---	e90.00	89.28	88.48	97.72	94.76
EOM	---	---	---	---	---	---	---	92.23	92.14	93.52	100.85	88.91

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 March 1 through July 31, 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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.48	22.51	22.87	23.26	23.56	e23.79	e24.10	e24.41	e24.38	e24.18	23.87	23.45
10	22.47	22.49	22.86	23.22	23.53	e23.84	e24.15	e24.46	e24.38	e24.12	23.79	23.45
15	22.45	22.58	22.86	23.21	23.57	e23.89	e24.20	e24.51	e24.32	e24.06	23.72	23.45
20	22.49	22.72	23.00	23.35	23.69	e23.94	e24.26	e24.49	e24.35	e23.99	23.66	23.42
25	22.49	22.74	23.00	23.38	23.68	e23.99	e24.31	e24.46	e24.31	e23.93	23.61	23.38
EOM	22.44	22.76	23.15	23.43	23.74	e24.05	e24.36	e24.42	e24.24	e23.88	23.48	23.33

e Estimated

BOX ELDER COUNTY--Continued

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, 25.92 ft below land-surface datum, Sep 30, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.70	25.72	25.73	25.68	25.58	25.53	25.43	25.34	25.44	25.55	25.73	25.81
10	25.69	25.75	25.70	25.64	25.57	25.50	25.41	25.35	25.45	25.58	25.76	25.85
15	25.70	25.75	25.70	25.64	25.55	25.49	25.42	25.35	25.48	25.59	25.76	25.85
20	25.69	25.76	25.68	25.63	25.55	25.47	25.37	25.37	25.51	25.63	25.77	25.87
25	25.71	25.74	25.68	25.60	25.50	25.45	25.38	25.38	25.51	25.67	25.80	25.87
EOM	25.74	25.75	25.67	25.59	25.51	25.45	25.34	25.42	25.52	25.72	25.82	25.92

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 except for estimated levels, which are poor.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	189.43	176.85	e173.26	e171.66	e170.03	168.71	168.08	e176.05	183.65	184.46	179.74	184.71
10	187.96	175.30	e173.00	e171.40	e169.77	168.43	167.99	e175.81	181.64	183.36	179.50	185.60
15	184.08	174.30	e172.74	e171.14	e169.51	168.42	168.09	175.98	180.66	183.70	180.53	186.97
20	183.19	e174.06	e172.48	e170.88	e169.25	168.42	169.39	177.09	182.42	183.85	181.74	187.27
25	181.91	e173.78	e172.22	e170.62	e168.99	168.28	171.23	180.58	182.62	184.64	183.51	185.47
EOM	180.42	e173.52	e171.92	e170.29	e168.69	168.15	172.49	183.46	184.84	181.41	185.11	182.72

e Estimated

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 except for estimated days, which are fair.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	51.18	51.33	51.41	51.27	52.04	51.86	51.50	52.04	52.32	52.72	52.88	52.81
10	51.08	51.30	51.41	51.42	51.93	51.76	52.12	51.32	52.47	52.78	52.97	52.70
15	51.22	51.12	51.46	51.57	52.03	51.80	52.11	52.09	52.59	52.76	52.38	52.69
20	51.24	51.37	51.31	e51.70	51.88	51.77	51.93	52.09	52.66	52.73	52.95	52.71
25	51.31	51.33	51.35	51.71	51.86	51.73	51.97	52.20	52.72	52.87	52.95	52.55
EOM	51.37	51.45	51.35	51.77	51.88	51.49	52.06	52.31	52.66	52.96	52.90	52.63

e Estimated

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, sounded to 125.45 ft on Jul 17, 2000.
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 Oct 1 to Jan 8 and May 6 to Sep 30.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	125.60	125.65	125.62	125.63	124.75	124.16	123.47	125.10	125.35	125.41	125.38	125.40
10	125.60	125.66	125.63	125.63	124.62	123.86	123.27	125.34	125.36	125.41	125.39	125.40
15	125.64	125.67	125.63	125.46	124.67	123.80	123.26	125.34	125.41	125.41	125.39	125.41
20	125.64	125.67	125.64	125.42	124.47	123.74	122.96	125.34	125.40	125.41	125.40	125.41
25	125.64	125.67	125.64	125.15	124.40	123.60	123.18	125.34	125.41	125.40	125.40	125.41
EOM	125.65	125.63	125.64	125.11	124.21	123.66	124.37	125.34	125.41	125.40	125.40	125.41

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 estimated days, which are poor.
PERIOD OF RECORD.--September 1935 to December 1943, March 1945 to March 1973, April 1978 to current year.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	104.40	96.63	91.34	87.52	e84.7	82.39	80.26	80.39	86.41	93.52	97.94	101.26
10	104.07	95.54	90.58	87.01	e84.3	81.87	79.91	81.62	87.37	94.32	98.58	101.44
15	102.63	94.58	89.94	86.47	e83.8	81.53	79.78	82.03	88.26	95.24	98.17	101.81
20	101.03	93.67	89.35	86.19	e83.3	81.26	79.96	82.47	89.33	94.63	99.70	102.27
25	99.56	92.78	88.82	85.63	e82.9	80.88	79.67	83.87	90.56	95.73	100.47	101.82
EOM	97.94	92.09	88.09	85.15	e82.6	80.58	80.31	85.25	92.30	96.42	101.28	102.29

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, 206.25 ft below land-surface datum, Sep 13, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	196.43	192.38	191.09	189.80	188.72	188.18	187.30	190.95	193.04	200.66	204.44	204.59
10	194.56	192.08	190.76	189.64	188.65	187.71	187.07	196.65	196.80	198.33	203.98	205.00
15	194.02	191.91	190.73	189.48	188.68	187.74	187.15	197.60	200.16	196.18	200.15	205.78
20	193.44	191.83	190.35	189.51	188.43	187.86	186.71	197.29	201.47	199.88	199.13	200.63
25	193.14	191.52	190.32	189.07	188.35	187.57	187.63	196.51	201.65	203.22	202.16	199.65
EOM	192.80	191.26	190.01	189.21	188.16	187.44	194.35	195.16	203.09	204.33	202.64	199.56

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 fair except for estimated days, which are poor.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	60.53	60.40	60.70	60.85	60.98	e60.89	61.06	61.37	62.73	64.31	65.32	66.56
10	60.29	60.44	60.72	60.85	e60.89	e60.89	61.06	61.53	62.83	64.28	65.45	66.69
15	60.38	60.50	60.72	60.85	e60.89	61.07	61.09	e61.94	62.93	64.31	65.84	66.75
20	60.35	60.61	60.77	60.89	e60.89	61.06	61.08	e62.28	e63.15	64.78	66.13	66.81
25	60.40	60.62	60.78	60.90	e60.89	61.06	61.16	62.67	e63.60	64.89	66.37	66.75
EOM	60.41	60.63	60.81	60.91	e60.89	61.06	61.24	62.97	e64.02	65.15	66.48	66.83

e Estimated

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 September 2001 (discontinued).
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.93	164.82	165.22	165.17	165.12	165.29	165.18	165.32	165.38	165.52	165.66	165.58
10	164.64	164.72	164.93	164.99	165.09	165.02	165.07	165.38	165.47	165.56	165.64	165.77
15	164.98	164.98	165.15	164.94	164.97	165.29	165.50	165.44	165.60	165.37	165.64	165.70
20	164.89	165.40	165.10	165.32	165.24	165.40	165.07	165.32	165.59	165.50	165.60	165.79
25	164.99	165.20	165.03	165.04	164.91	165.24	165.49	165.40	165.46	165.54	165.62	165.76
EOM	164.84	165.14	165.14	165.28	165.11	165.29	165.47	165.48	165.52	165.52	165.63	165.84

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.--Record is 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 Sept. 16 to Sep 30, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.34	e69.2	68.25	67.57	67.06	66.75	67.47	67.82	68.15	68.04	69.19	69.36
10	70.48	e69.1	e68.10	67.48	66.98	66.65	67.34	67.58	68.42	68.57	68.93	69.61
15	70.09	e68.9	e68.00	67.46	66.97	67.23	67.19	67.40	68.60	68.82	68.73	69.53
20	69.76	e68.7	e67.90	67.37	66.91	67.70	67.00	67.23	68.34	69.06	68.53	69.26
25	69.60	e68.6	67.80	67.24	66.86	67.45	66.93	67.86	68.10	69.25	68.38	69.00
EOM	69.40	e68.4	67.75	67.16	66.82	67.69	67.66	68.05	67.93	69.50	68.99	68.81

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 March 2001 (discontinued).
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	107.56	107.87	108.17	107.71	107.90	108.51	---	---	---	---	---	---
10	107.54	107.83	107.90	107.68	107.91	108.44	---	---	---	---	---	---
15	108.50	108.00	107.99	107.55	108.05	108.60	---	---	---	---	---	---
20	108.30	108.11	108.07	107.68	108.25	108.88	---	---	---	---	---	---
25	108.05	107.93	107.98	107.59	108.26	108.86	---	---	---	---	---	---
EOM	107.99	107.95	107.73	107.76	108.28	---	---	---	---	---	---	---

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 except for estimated days, which are poor.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.36	8.98	8.77	8.53	8.29	8.28	e8.38	8.51	9.20	9.86	10.06	10.13
10	9.29	8.88	8.68	8.46	8.25	8.20	e8.39	8.55	9.32	9.88	10.11	10.17
15	9.35	8.86	8.68	8.44	8.28	8.30	e8.41	8.69	9.49	9.90	10.13	10.18
20	9.29	8.89	8.64	8.48	8.28	e8.34	e8.42	8.82	9.61	9.95	10.13	10.21
25	9.23	8.82	8.61	8.33	8.24	e8.35	e8.43	8.94	9.70	10.00	10.15	10.20
EOM	9.03	8.76	8.56	8.36	8.25	e8.36	e8.45	9.13	9.78	10.02	10.15	10.26

e Estimated

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATERR LEVEL
OCT 03	55.22	FEB 01	55.27	MAY 01	55.15	JUL 10	55.12
DEC 06	55.23	MAR 15	55.20	JUN 06	55.21	AUG 22	55.19

WATER YEAR 2001 HIGHEST 55.12 JUL 10, 2001 LOWEST 55.27 FEB 01, 2001

MILLARD COUNTY--Continued

385844112245801. LOCAL NUMBER, (C-21-5)21aba-1.
LOCATION.--Lat 38°58'44", long 112°24'58", Hydrologic Unit 16030005.
Owner: Delyle Carling.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in., hole depth 246 ft, cased to 220 ft.
DATUM.--Elevation of land-surface datum is 4,744.44 ft above sea level. Measuring point: Top of casing, 2.45 ft above land-surface datum. Casing extended 1.95 ft, May 6, 1998.
REMARKS.--Record is good.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.51	35.99	36.11	36.14	35.84	35.75	35.78	39.17	40.57	42.18	43.38	44.79
10	36.38	36.02	36.05	36.06	35.79	35.52	35.97	39.82	41.36	41.98	43.67	45.02
15	36.38	36.11	36.10	36.04	35.88	35.58	36.99	40.51	41.65	41.67	43.59	44.70
20	36.18	36.22	36.05	36.10	35.73	35.64	38.53	40.57	41.73	42.05	43.66	44.55
25	36.18	36.10	36.16	35.98	35.71	35.57	38.66	40.52	41.77	42.78	44.09	44.34
EOM	36.08	36.11	36.12	36.08	35.67	35.60	39.39	40.36	42.12	43.31	44.67	44.24

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 except for estimated period, which is fair.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.60	36.80	e36.6	e36.3	36.01	35.87	35.71	37.03	37.68	38.57	38.85	38.94
10	37.32	36.77	e36.6	e36.3	35.94	35.72	35.70	37.05	38.21	38.62	39.03	39.03
15	37.30	36.75	e36.5	e36.3	36.00	35.76	35.78	37.17	38.37	38.70	39.08	38.98
20	37.12	36.78	e36.5	e36.2	35.92	35.78	35.68	37.76	38.40	38.36	38.62	38.61
25	37.05	36.69	e36.4	36.09	35.91	35.75	36.37	37.92	38.44	38.48	38.85	38.04
EOM	36.95	e36.60	e36.4	36.19	35.87	35.74	37.06	38.12	38.59	38.66	38.76	37.78

e Estimated

SALT LAKE COUNTY

404202112064701. LOCAL NUMBER, (C-1-2)30cac-1.
LOCATION.--Lat 40'42'02", long 112'06'47", Hydrologic Unit 16020204.
Owner: Kennecott Utah Copper.
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 4,508 ft above sea level.
REMARKS.--Records good; Reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 17, 2000	259.54	OCT 06, 2000	261.86

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.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.63	56.24	56.27	56.24	56.33	56.50	56.60	57.05	57.37	57.51	57.58	57.54
10	56.48	56.18	56.16	56.18	56.29	56.43	56.62	57.13	57.41	57.49	57.61	57.62
15	56.51	56.21	56.16	56.20	56.39	56.51	56.73	57.20	57.40	57.49	57.60	57.60
20	56.42	56.28	56.19	56.28	56.40	56.56	56.70	57.26	57.48	57.55	57.57	57.62
25	56.41	56.23	56.21	56.22	56.41	56.58	56.93	57.29	57.45	57.58	57.59	57.60
EOM	56.30	56.25	56.22	56.35	56.44	56.59	56.98	57.39	57.50	57.59	57.58	57.64

SALT LAKE COUNTY--Continued

403907112073901. LOCAL NUMBER, (C-2-3)13aba-1.
LOCATION.--Lat 40'39'07", long 112'07'39", Hydrologic Unit 16020204.
Owner: Granger-Hunter Conservancy District
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 5,325 ft above sea level.
REMARKS.--Records good; Reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 18, 2000	507.28	JUL 26, 2000	507.79	OCT 25, 2000	507.02

403241112053301. LOCAL NUMBER, (C-3-2)20bdd-1.
LOCATION.--Lat 40'32'41", long 112'05'33", Hydrologic Unit 16020204.
Owner: Kennecott Utah Copper
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 5,364 ft above sea level.
REMARKS.--Records good; Reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 27, 2000	29.71	NOV 01, 2000	30.30	APR 26, 2001	31.77
OCT 17, 2000	30.21	FEB 01, 2001	31.26	JUL 02, 2001	32.17

403241112053302. LOCAL NUMBER, (C-3-2)20bdd-2.
LOCATION.--Lat 40'32'41", long 112'05'33", Hydrologic Unit 16020204.
Owner: Kennecott Utah Copper
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 5,364 ft above sea level.
REMARKS.--Records good; Reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 27, 2000	380.23	NOV 01, 2000	380.98	APR 26, 2001	382.22
OCT 17, 2000	380.94	FEB 01, 2001	382.14	JUL 02, 2001	382.51

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 fair except for the 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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	160.61	160.26	160.67	160.67	160.49	160.55	160.20	160.28	160.28	160.48	160.73	e160.63
10	160.39	e160.19	160.36	160.41	160.27	160.08	159.95	160.41	160.40	160.54	160.70	---
15	160.60	160.33	160.44	160.31	160.32	160.33	160.37	160.45	160.47	160.49	160.67	---
20	160.56	160.74	160.51	160.55	160.48	160.50	160.11	160.28	160.48	160.51	160.59	---
25	160.57	160.59	160.42	160.34	160.33	160.33	160.48	160.41	160.46	160.60	160.65	---
EOM	160.34	160.60	160.56	160.47	160.27	160.32	160.48	160.45	160.51	160.55	160.58	---

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 fair. Well was dry from January 29 to March 26.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.05	36.19	39.22	40.82	---	---	40.72	38.07	36.72	36.85	37.32	37.06
10	36.02	e36.19	39.84	41.33	---	---	40.12	37.77	36.67	37.11	37.39	36.99
15	36.12	36.20	40.38	41.69	---	---	39.82	37.43	36.60	37.14	37.43	37.01
20	36.19	36.35	39.73	41.65	---	---	39.26	37.12	36.61	37.21	37.26	36.89
25	36.28	36.54	38.99	42.67	---	---	38.82	36.96	36.71	37.22	37.18	36.76
EOM	36.30	37.86	38.71	---	---	41.75	38.43	36.82	36.75	37.35	37.16	36.73

e Estimated

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.
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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.52	47.64	48.66	49.13	49.48	50.08	50.19	50.64	50.90	51.50	51.86	51.92
10	47.40	47.71	48.37	48.98	49.32	49.58	49.95	50.82	51.19	51.58	51.91	52.17
15	47.72	47.89	48.55	48.90	49.46	50.02	50.54	50.95	51.29	51.52	51.94	52.09
20	47.73	48.48	48.72	49.34	49.72	50.27	50.26	50.82	51.36	51.62	51.91	52.18
25	47.89	48.39	48.70	49.16	49.62	50.18	50.80	51.04	51.40	51.67	51.97	52.26
EOM	47.68	48.49	48.93	49.39	49.65	50.24	50.77	51.15	51.50	51.67	51.98	52.30

TOOELE COUNTY

404242112131101. LOCAL NUMBER, (C-1-3)30aad-1.
LOCATION.--Lat 40'42'42", long 112'13'11", Hydrologic Unit 16020304.
Owner: Kennecott Utah Copper.
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 4,782 ft above sea level.
REMARKS.--Records good; reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 27, 2000	240.20	OCT 17, 2000	243.23	FEB 01, 2001	248.11	JUL 03, 2001	245.77	AUG 15, 2001	250.03

404242112131102. LOCAL NUMBER, (C-1-3)30aad-2.
LOCATION.--Lat 40'42'42", long 112'13'11", Hydrologic Unit 16020304.
Owner: Kennecott Utah Copper.
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 4,782 ft above sea level.
REMARKS.--Records good; reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 22, 2000	528.97	OCT 17, 2000	531.23	FEB 01, 2001	532.61	JUL 03, 2001	527.02	AUG 15, 2001	531.17

404242112131103. LOCAL NUMBER, (C-1-3)30aad-3.
LOCATION.--Lat 40°42'42", long 112°13'11", Hydrologic Unit 16020304.
Owner: Kennecott Utah Copper.
AQUIFER.--Consolidated bedrock.
DATUM.--Elevation of land-surface datum is 4,782 ft above sea level.
REMARKS.--Records good; reported by Kennecott Utah Copper.
PERIOD OF RECORD.--July 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, JULY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 27, 2000	530.11	OCT 17, 2000	532.46	FEB 01, 2001	533.78	JUL 03, 2001	528.14	AUG 15, 2001	532.28

404023112154001. LOCAL NUMBER, (C-2-4)2ddb-1.
LOCATION.--Lat 40°40'23", long 112°15'40", Hydrologic Unit 16020304.
Owner: Mike Spivey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 6 in., 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, 39.30 ft below land-surface datum, Aug 2-10, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.86	37.91	e38.16	38.45	38.69	38.91	39.03	39.14	39.21	39.27	39.30	39.28
10	37.89	37.93	e38.21	38.48	38.73	38.91	39.06	39.16	39.21	39.28	39.29	39.27
15	37.90	e37.96	e38.26	38.50	38.76	38.93	39.06	39.16	39.25	39.29	39.29	39.27
20	37.90	e38.01	e38.31	38.55	38.80	38.93	39.06	39.16	39.25	39.29	39.29	39.27
25	37.90	e38.06	38.36	38.61	38.83	38.94	39.07	39.16	39.25	39.29	39.28	39.26
EOM	37.90	e38.11	38.41	38.66	38.85	39.00	39.09	39.20	39.27	39.29	39.28	39.26

e Estimated

403547112155101. LOCAL NUMBER, (C-2-4)35dcc-1.
LOCATION.--Lat 40°35'47", long 112°15'51", Hydrologic Unit 16020304.
Owner: Rusty Price.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 210 ft.
DATUM.--Elevation of land-surface datum is 4,575 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--October 1999 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1999 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29, 1999	179.51	JUN 12, 2000	177.83	SEP 20, 2000	181.29	MAR 07, 2001	178.05
DEC 09, 1999	178.24	JUL 11, 2000	179.17	OCT 16, 2000	180.11	JUL 31, 2001	183.81
MAR 14, 2000	176.34	AUG 09, 2000	180.64	JAN 17, 2001	178.53	SEP 07, 2001	185.65

403547112155102. LOCAL NUMBER, (C-2-4)35dcc-2.
LOCATION.--Lat 40°35'47", long 112°15'51", Hydrologic Unit 16020304.
Owner: Rusty Price.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 260 ft.
DATUM.--Elevation of land-surface datum is 4,575 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1999 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, DECEMBER 1999 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 09, 1999	178.14	JUL 11, 2000	179.18	OCT 16, 2000	180.08	JUL 27, 2001	183.86
MAR 14, 2000	176.27	AUG 09, 2000	180.72	JAN 17, 2001	178.50	SEP 07, 2001	185.66
JUN 12, 2000	177.92	SEP 20, 2000	181.26	MAR 07, 2001	178.04		

TOOELE COUNTY--Continued

403547112155103. LOCAL NUMBER, (C-2-4)35dcc-3.
LOCATION.--Lat 40'35'47", long 112'15'51", Hydrologic Unit 16020304.
Owner: Rusty Price.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 350 ft.
DATUM.--Elevation of land-surface datum is 4,575 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--December 1999 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, DECEMBER 1999 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 09, 1999	177.73	JUL 11, 2000	179.21	OCT 16, 2000	179.85	JUL 27, 2001	184.16
MAR 14, 2000	175.50	AUG 07, 2000	180.93	JAN 17, 2001	178.38	SEP 07, 2001	185.25
JUN 12, 2000	178.05	SEP 20, 2000	181.07	MAR 07, 2001	177.96		

403237112131401. LOCAL NUMBER, (C-3-3)19dab-1.
LOCATION.--Lat 40'32'37", long 112'13'14", Hydrologic Unit 16020304.
Owner: ARCO.
AQUIFER.--Consolidated bedrock.
WELL CHARACTERISTICS.--Diameter 6 in.
DATUM.--Elevation of land-surface datum is 5,855 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--1988; May 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, MAY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23, 2000	439.70	OCT 19, 2000	453.52	MAR 26, 2001	469.62
JUL 13, 2000	442.69	JAN 09, 2001	462.06	JUL 27, 2001	474.48

403002112123201. LOCAL NUMBER, (C-3-3)20bab-1.
LOCATION.--Lat 40'30'02", long 112'12'32", Hydrologic Unit 16020304.
Owner: Kennecott Utah Copper.
AQUIFER.--Consolidated bedrock.
WELL CHARACTERISTICS.--Diameter 8 in., depth 200 ft.
DATUM.--Elevation of land-surface datum is 6,000 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--1990; August 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, AUGUST 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 28, 2000	101.11	JAN 10, 2001	103.26	APR 10, 2001	102.60
OCT 19, 2000	101.59	MAR 26, 2001	102.73	JUL 27, 2001	102.36

403400112144001. LOCAL NUMBER, (C-3-4)13abb-2.
LOCATION.--Lat 40'34'00", long 112'14'40", Hydrologic Unit 16020304.
Owner: ARCO.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 8 in.
DATUM.--Elevation of land-surface datum is 4,995 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--April 1977 to May 1978; May 2000 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, MAY 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23, 2000	579.41	OCT 16, 2000	583.36	DEC 13, 2000	584.96	MAR 26, 2001	587.12

403339112152501. LOCAL NUMBER, (C-3-4)14abd-1.
LOCATION.--Lat 40'33'39", long 112'15'25", Hydrologic Unit 16020304.
Owner: Ralph Bailey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Diameter 8 in., depth 650 ft, perforated 580-652 ft.
DATUM.--Elevation of land-surface datum is 4,950 ft above sea level.
REMARKS.--Records good.
PERIOD OF RECORD.--June 1977 to current year.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, SEPTEMBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 05,2000	528.62	OCT 16, 2000	529.87	MAR 05, 2001	531.94

TOOELE COUNTY--Continued

401312112442301. LOCAL NUMBER, (C-7-8)10cbd-1.
LOCATION.--Lat 40°13'12", long 112°44'23", Hydrologic Unit 16020305.
Owner: Dugway Proving Ground.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., depth 175 ft, cased to 175 ft, perforated 115-175 ft.
DATUM.--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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	78.18	77.58	76.93	76.24	75.73	75.51	75.07	75.00	75.95	76.65	77.38	77.68
10	77.94	77.43	76.72	76.12	75.62	75.30	75.00	75.14	76.03	76.67	77.47	77.86
15	77.93	77.34	76.64	76.05	75.71	75.24	75.05	75.19	76.22	76.65	77.55	77.83
20	77.74	77.28	76.52	76.01	75.62	75.22	74.87	75.35	76.39	76.95	77.50	77.87
25	77.77	77.12	76.52	75.85	75.58	75.19	75.01	75.52	76.40	77.13	77.54	77.73
EOM	77.70	77.11	76.37	75.90	75.47	75.11	75.00	75.80	76.55	77.35	77.69	77.83

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 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.58	6.13	6.10	6.17	6.07	5.80	6.07	6.07	5.47	5.86	5.73	6.37
10	6.45	6.05	6.10	6.19	6.03	5.37	5.86	6.07	5.75	5.97	5.82	6.38
15	6.35	6.06	6.09	6.11	6.05	5.67	6.01	5.90	5.17	5.36	5.85	6.48
20	6.38	6.09	6.13	6.09	5.89	5.81	6.16	5.68	5.77	5.74	6.02	6.47
25	6.31	6.08	6.15	6.08	5.85	5.90	6.22	5.68	5.83	5.81	6.08	6.59
EOM	6.15	6.05	6.17	6.07	5.92	6.02	6.19	5.79	5.84	5.78	6.30	6.65

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 except for estimated days, which are poor.
PERIOD OF RECORD.--December 1954 to April 1955, March 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 107.06 ft below land-surface datum, Apr 7, 8, 2001; lowest, 141.41 ft below land-surface datum, Aug 15, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	107.70	107.54	107.55	107.45	107.32	107.24	e107.07	107.17	107.26	107.32	107.32	107.29
10	107.62	107.47	107.42	107.33	107.23	107.15	107.09	107.21	107.29	107.25	107.34	107.35
15	107.68	107.53	107.42	107.32	107.26	e107.12	107.17	107.22	107.32	107.24	107.33	107.34
20	107.65	107.64	107.48	107.39	107.28	e107.11	107.07	107.22	107.34	107.27	107.31	107.34
25	107.64	107.58	107.45	107.29	107.20	e107.09	107.22	107.26	107.32	107.29	107.32	107.34
EOM	107.53	107.54	107.45	107.34	107.23	e107.08	107.18	107.29	107.32	107.28	107.31	107.36

e Estimated

UTAH COUNTY--Continued

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 except for estimated days, which are poor.
PERIOD OF RECORD.--September 1935 to December 1936, April 1947, March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.07 ft above land-surface datum, Apr 10, 1983, 1984; lowest, 35.29 ft below land-surface datum, Aug 31, 1963.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.01	20.79	20.42	19.42	18.90	18.48	e20.08	21.61	27.28	33.14	31.85	31.55
10	23.73	20.43	19.90	19.23	18.74	18.56	e20.40	24.65	28.33	32.75	32.93	29.68
15	22.31	20.37	19.88	19.19	18.59	e18.70	e20.71	24.78	28.63	30.79	33.41	29.44
20	22.00	20.37	19.92	19.02	18.54	e19.02	e21.04	23.72	29.61	30.04	32.05	28.76
25	21.31	20.25	19.69	18.80	18.63	e19.36	e21.36	25.97	31.46	33.58	29.64	28.14
EOM	20.68	20.19	19.51	19.36	18.57	e19.74	e21.69	26.73	32.82	32.39	31.41	28.08

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	13.39	DEC 20	16.32	FEB 27	16.44	APR 30	15.56	JUN 19	12.93	AUG 29	12.51
NOV 14	13.80	JAN 24	16.57	MAR 27	16.55	MAY 23	13.24	JUL 25	12.57	SEP 24	13.07

WATER YEAR 2001 HIGHEST 12.51 AUG 29, 2001 LOWEST 16.57 JAN 24, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.82	DEC 20	5.53	FEB 27	4.15	APR 30	5.22	JUN 19	5.60	AUG 28	5.90
NOV 14	5.58	JAN 24	5.77	MAR 27	4.99	MAY 23	5.39	JUL 25	5.99	SEP 24	5.95

WATER YEAR 2001 HIGHEST 4.15 FEB 27, 2001 LOWEST 5.99 JUL 25, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	17.90	DEC 28	19.09	FEB 27	18.54	APR 30	18.59	JUN 19	12.86	AUG 28	14.03
NOV 14	18.13	JAN 24	20.90	MAR 27	19.82	MAY 23	15.37	JUL 25	14.48	SEP 24	13.59

WATER YEAR 2001 HIGHEST 12.86 JUN 19, 2001 LOWEST 20.90 JAN 24, 2001

WASATCH COUNTY--Continued

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, 86.46 ft below land-surface datum, Jul 25, 2001; lowest, 100.39 ft below land-surface datum, Apr 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	93.74	DEC 28	96.96	FEB 27	97.15	APR 30	96.63	JUN 19	89.07	AUG 28	88.51
NOV 14	94.45	JAN 24	98.05	MAR 27	97.25	MAY 23	88.63	JUL 25	86.46		

WATER YEAR 2001 HIGHEST 86.46 JUL 25, 2001 LOWEST 98.05 JAN 24, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	19.46	DEC 28	21.08	FEB 27	24.09	APR 30	24.59	JUN 19	17.29	AUG 28	17.83
NOV 14	19.40	JAN 24	23.40	MAR 27	24.53	MAY 23	20.89	JUL 25	17.36	SEP 24	18.17

WATER YEAR 2001 HIGHEST 17.29 JUN 19, 2001 LOWEST 24.59 APR 30, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.72	DEC 20	8.55	FEB 27	10.47	APR 30	11.06	JUN 27	7.28	AUG 28	4.99
DEC 04	8.77	JAN 24	9.60	MAR 27	10.79	MAY 23	9.21	JUL 25	5.57	SEP 24	6.34

WATER YEAR 2001 HIGHEST 4.99 AUG 28, 2001 LOWEST 11.06 APR 30, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	2.51	DEC 28	2.76	FEB 27	1.29	APR 30	.27	JUN 19	1.26	AUG 28	.63
NOV 14	2.61	JAN 24	3.06	MAR 27	2.63	MAY 23	1.92	JUL 25	1.06	SEP 24	2.62

WATER YEAR 2001 HIGHEST .27 APR 30, 2001 LOWEST 3.06 JAN 24, 2001

WASATCH COUNTY--Continued

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, 52.79 ft below land-surface datum, Dec 28, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	50.57	DEC 28	52.79	FEB 27	51.77	APR 30	51.59	JUN 19	50.28	AUG 29	51.06
NOV 14	51.35	JAN 24	51.80	MAR 27	51.59	MAY 23	50.57	JUL 25	50.39	SEP 24	51.97

WATER YEAR 2001 HIGHEST 50.28 JUN 19, 2001 LOWEST 52.79 DEC 28, 2000

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, 14.60 ft below land-surface datum, Jan 24, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	12.22	DEC 28	14.27	FEB 27	14.25	APR 30	14.03	JUN 19	13.44	AUG 28	13.64
NOV 14	13.89	JAN 24	14.60	MAR 27	14.18	MAY 23	13.39	JUL 25	13.73	SEP 24	13.00

WATER YEAR 2001 HIGHEST 12.22 OCT 25, 2000 LOWEST 14.60 JAN 24, 2001

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, 4.07 ft below land-surface datum, Jul 25, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	3.54	DEC 28	3.73	FEB 27	3.34	APR 30	2.97	JUN 19	3.43	AUG 28	3.93
NOV 14	3.63	JAN 24	3.76	MAR 27	3.30	MAY 23	3.31	JUL 25	4.07	SEP 24	3.84

WATER YEAR 2001 HIGHEST 2.97 APR 30, 2001 LOWEST 4.07 JUL 25, 2001

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, 71.36 ft below land-surface datum, Jun 19, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	57.65	DEC 28	66.95	FEB 27	69.56	APR 30	70.22	JUN 19	71.36	AUG 29	67.61
NOV 14	62.78	JAN 24	68.44	MAR 27	70.23	MAY 23	68.74	JUL 25	69.24		

WATER YEAR 2001 HIGHEST 57.65 OCT 17, 2000 LOWEST 71.36 JUN 19, 2001

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, 24.68 ft below land-surface datum, Sep 24, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	20.22	DEC 28	23.31	FEB 27	19.62	APR 30	13.26	JUN 19	14.86	AUG 28	21.57
NOV 14	22.30	JAN 24	22.38	MAR 27	16.43	MAY 23	14.60	JUL 25	19.08	SEP 24	24.68

WATER YEAR 2001 HIGHEST 13.26 APR 30, 2001 LOWEST 24.68 SEP 24, 2001

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, 42.30 ft below land-surface datum, Apr 30, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	29.59	DEC 28	36.21	FEB 28	37.90	APR 30	42.30	JUN 19	19.73	AUG 28	24.57
DEC 04	34.08	JAN 29	40.95	MAR 29	37.90	MAY 23	24.12	JUL 25	21.34	SEP 24	27.21

WATER YEAR 2001 HIGHEST 19.73 JUN 19, 2001 LOWEST 42.30 APR 30, 2001

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, 156.19 ft below land-surface datum, Mar 29, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	139.38	DEC 20	151.53	FEB 28	153.62	APR 30	155.36	JUN 19	143.48	AUG 28	146.42
DEC 04	150.43	JAN 29	154.06	MAR 29	156.19	MAY 23	149.32	JUL 25	144.62	SEP 24	148.02

WATER YEAR 2001 HIGHEST 139.38 OCT 17, 2000 LOWEST 156.19 MAR 29, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	36.37	DEC 28	35.78	FEB 28	46.32	APR 30	P	JUN 19	24.84	AUG 28	P
DEC 04	27.59	JAN 29	P	MAR 29	35.72	MAY 23	33.98	JUL 25	23.61	SEP 24	P

WATER YEAR 2001 HIGHEST 23.61 JUL 25, 2001 LOWEST 46.32 FEB 28, 2001

P Pumping

WASATCH COUNTY--Continued

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 48.92 ft below land-surface datum, Sep 24, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	33.89	DEC 20	29.48	FEB 27	30.13	APR 30	29.96	JUN 27	46.29	AUG 28	48.56
DEC 04	29.25	JAN 24	30.61	MAR 27	29.70	MAY 23	32.09	JUL 25	47.84	SEP 24	48.92

WATER YEAR 2001 HIGHEST 29.25 DEC 04, 2000 LOWEST 48.92 SEP 24, 2001

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, 39.74 ft below land-surface datum, May 23, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	25.27	DEC 20	32.96	FEB 27	36.93	APR 30	39.20	JUN 19	36.16	AUG 29	33.80
NOV 14	28.96	JAN 24	35.65	MAR 27	38.05	MAY 23	39.74	JUL 25	34.13	SEP 24	34.49

WATER YEAR 2001 HIGHEST 25.27 OCT 17, 2000 LOWEST 39.74 MAY 23, 2001

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, 119.23 ft below land-surface datum, Apr 30, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	92.53	DEC 28	108.55	FEB 27	115.16	APR 30	119.23	JUN 19	115.91	AUG 28	112.14
NOV 14	98.20	JAN 24	112.78	MAR 27	117.32	MAY 23	118.35	JUL 25	114.63	SEP 24	113.03

WATER YEAR 2001 HIGHEST 92.53 OCT 17, 2000 LOWEST 119.23 APR 30, 2001

402857111245601. LOCAL NUMBER, (D-4-5)7dad-1.
LOCATION.--Lat 40°28'57", long°111 24'56", Hydrologic Unit 16020203.
Owner: Wayne Fox.
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, 149.05 ft below land-surface datum, Apr 30, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	119.96	DEC 28	136.80	FEB 27	144.33	APR 30	149.05	JUN 19	143.94	AUG 28	140.02
NOV 14	127.38	JAN 24	140.90	MAR 27	146.83	MAY 23	147.85	JUL 25	146.07	SEP 24	141.31

WATER YEAR 2001 HIGHEST 119.96 OCT 17, 2000 LOWEST 149.05 APR 30, 2001

WASATCH COUNTY--Continued

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	165.58	DEC 20	166.27	FEB 28	166.47	MAY 01	174.18	JUN 27	202.37	AUG 28	166.28
DEC 04	166.36	JAN 29	170.93	MAR 29	167.35	31	161.39	JUL 31	165.07		

WATER YEAR 2001 HIGHEST 161.39 MAY 31, 2001 LOWEST 202.37 JUN 27, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	17.91	DEC 28	17.64	FEB 28	18.60	APR 30	19.69	JUN 27	20.17	AUG 28	21.41
DEC 04	18.00	JAN 29	18.16	MAR 29	19.30	MAY 31	19.91	JUL 31	20.53		

WATER YEAR 2001 HIGHEST 17.64 DEC 28, 2000 LOWEST 21.41 AUG 28, 2001

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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	130.11	DEC 20	127.02	FEB 28	132.31	MAY 01	131.95	JUN 27	132.20	AUG 28	133.95
DEC 04	132.53	JAN 29	129.53	MAR 29	132.92	31	129.57	JUL 31	132.29		

WATER YEAR 2001 HIGHEST 127.02 DEC 20, 2000 LOWEST 133.95 AUG 28, 2001

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, 241.99 ft below land-surface datum, Mar 29, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	223.26	DEC 28	239.86	FEB 28	237.27	MAY 01	237.72	JUN 27	231.58	AUG 28	235.12
DEC 04	229.89	JAN 29	241.98	MAR 29	241.99	31	233.68	JUL 31	234.19		

WATER YEAR 2001 HIGHEST 223.26 OCT 17, 2000 LOWEST 241.99 MAR 29, 2001

WASATCH COUNTY--Continued

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. Well buried during October-January and June (unable to measure).
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 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 27	98.62	APR 30	84.47	JUL 25	87.87	SEP 24	85.34				
MAR 27	94.95	MAY 23	84.64	AUG 28	88.64						

WATER YEAR 2001 HIGHEST 84.47 APR 30, 2001 LOWEST 98.62 FEB 27, 2001

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, 258.40 ft below land-surface datum, Sep 24, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	241.44	DEC 28	247.56	FEB 27	250.46	APR 30	255.63	JUN 19	258.10	AUG 28	257.72
NOV 14	243.76	JAN 24	248.06	MAR 27	253.21	MAY 23	255.75	JUL 25	257.30	SEP 24	258.40

WATER YEAR 2001 HIGHEST 241.44 OCT 17, 2000 LOWEST 258.40 SEP 24, 2001

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, 169.06 ft below land-surface datum, Mar 27, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	150.13	DEC 28	164.76	FEB 27	168.21	APR 30	167.28	JUN 19	167.40	AUG 28	166.91
NOV 14	158.78	JAN 24	166.59	MAR 27	169.06	MAY 23	164.89	JUL 25	167.08	SEP 24	167.68

WATER YEAR 2001 HIGHEST 150.13 OCT 17, 2000 LOWEST 169.06 MAR 27, 2001

WEBER COUNTY

411544111461001. LOCAL NUMBER, (A-6-2)18bad-1.
LOCATION.--Lat 41°15'44", long 111°46'10", Hydrologic Unit 16020102.
Owner: U.S. Bureau of Reclamation.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 155 ft, perforated 105-115 ft, 125-145 ft.
DATUM.--Land-surface datum is 4,924 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--January 1956 to March 1966, October 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.93 ft below land-surface datum, Jun 5, 1985; lowest, 34.96 ft below land-surface datum, Nov 30, 1956.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.22	27.39	27.81	26.40	26.63	25.50	22.34	18.57	17.48	20.12	23.23	26.58
10	30.22	27.26	27.70	27.03	26.04	25.21	21.66	17.96	17.78	19.24	23.69	26.72
15	30.09	27.12	27.24	26.38	25.52	24.85	21.31	17.48	17.02	20.12	24.15	27.15
20	29.68	27.14	27.21	26.29	25.69	24.47	20.73	15.80	e18.19	20.73	24.40	27.45
25	28.27	26.84	26.87	26.42	25.63	23.99	19.76	16.79	e19.03	21.23	25.17	27.96
EOM	27.62	27.05	26.31	25.91	25.57	23.12	19.39	16.71	19.58	22.64	26.42	28.20

e Estimated

WEBER COUNTY--Continued

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, 21.84 ft. below land-surface datum, Sep 30, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.38	18.78	17.73	e16.87	e16.08	e15.63	14.87	14.35	15.78	17.56	19.23	20.88
10	19.48	18.45	17.55	e16.73	e16.00	e15.55	14.63	14.50	16.11	17.87	19.60	21.14
15	19.49	18.26	e17.43	e16.59	e15.93	e15.48	14.52	14.71	16.37	18.12	19.94	21.34
20	19.48	18.16	e17.29	e16.44	e15.84	15.36	14.34	14.95	16.65	18.32	20.15	21.51
25	19.42	18.05	e17.15	e16.31	e15.74	15.17	14.37	15.20	16.88	e18.59	20.41	21.69
EOM	19.09	17.85	e17.01	e16.11	e15.71	15.03	14.34	15.50	17.20	e18.96	20.68	21.81

e Estimated

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUC-TANCE (MICRO-MHOS)	TEMPER-ATURE (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	05-29-2001	7.8	620	14.5	--	--	--
382924112592901	(C-28-10) 5add-1	100VLFL	305.00	07-05-2001	7.5	880	21.0	--	--	--
382336112592601	(C-28-10) 8add-2	100VLFL	200.00	06-27-2001	7.6	760	16.0	--	--	--
382212112585301	(C-28-10)16cda-1	100VLFL	440.00	07-05-2001	--	650	21.0	--	--	--
382206112590501	(C-28-10)16cdc-1	--	--	07-05-2001	--	780	22.5	--	--	--
382152113013801	(C-28-10)19bbc-1	100VLFL	71.00	07-03-2001	--	490	21.0	--	--	--
382113113012601	(C-28-10)19ccd-1	--	76.00	07-03-2001	--	2260	18.0	--	--	--
382124112590101	(C-28-10)21cdb-1	--	--	07-05-2001	--	615	21.0	--	--	--
382107112590501	(C-28-10)28bab-1	--	--	07-03-2001	--	790	19.5	--	--	--
382022112583501	(C-28-10)28dcd-1	--	--	06-27-2001	--	820	19.0	--	--	--
382020113001201	(C-28-10)29cdc-3	100VLFL	220.00	07-03-2001	--	580	24.0	--	--	--
382020112595903	(C-28-10)29dcc-3	100VLFL	180.00	07-03-2001	--	840	21.0	--	--	--
381940113001201	(C-28-10)32cac-1	100VLFL	400.00	07-03-2001	--	2050	15.5	--	--	--
382313113020901	(C-28-11)12dbc-2	100VLFL	460.00	06-27-2001	7.1	2210	17.0	--	--	--
382020113015701	(C-28-11)25dcd-1	100VLFL	431.00	06-26-2001	7.8	840	21.0	310	87	23.4
381954113021401	(C-28-11)36caa-1	--	--	07-05-2001	--	950	17.0	--	--	--
381931113021401	(C-28-11)36cdd-1	100VLFL	90.00	07-05-2001	--	980	17.5	--	--	--
381927113014001	(C-28-11)36ddd-1	100VLFL	60.00	07-05-2001	--	1080	16.0	--	--	--
381931113014701	(C-28-11)36ddd-2	100VLFL	80.00	07-05-2001	--	1600	16.5	--	--	--
381852112375901	(C-29-7) 3cab-1	100VLFL	1000.00	05-29-2001	--	360	12.0	--	--	--
381625112412901	(C-29-7)19bcd-1	100VLFL	256.00	06-04-2001	--	495	11.5	--	--	--
381639112402101	(C-29-7)20bba-1	100VLFL	400.00	06-04-2001	--	345	13.0	--	--	--
381420112394701	(C-29-7)32dbd-1	100VLFL	156.00	05-30-2001	--	680	13.0	--	--	--
381620112420301	(C-29-8)24dba-1	100VLFL	654.00	06-04-2001	--	800	14.5	--	--	--
381516112422201	(C-29-8)25cac-1	100VLFL	250.00	03-06-2001	--	305	18.5	--	--	--
381516112422201	(C-29-8)25cac-1	100VLFL	250.00	05-29-2001	7.7	300	19.5	97	30	5.2
381435112471401	(C-29-8)31add-1	100VLFL	310.00	05-29-2001	7.6	790	--	--	--	--
381835113000001	(C-29-10) 5cdd-2	100VLFL	95.00	06-27-2001	7.0	1490	14.0	--	--	--
381835113000002	(C-29-10) 5cdd-4	100VLFL	198.00	06-27-2001	7.3	910	15.0	--	--	--
381835112592601	(C-29-10) 5ddd-1	100VLFL	320.00	07-03-2001	--	1140,	16.0	--	--	--
381741112592701	(C-29-10) 8ddd-1	100VLFL	210.00	07-03-2001	--	760	20.0	--	--	--
381741112592702	(C-29-10) 8ddd-2	100VLFL	410.00	07-03-2001	--	760		--	--	--
381714113003401	(C-29-10)18daa-1	100VLFL	298.00	06-26-2001	7.7	470	14.0	--	--	--
381649113003401	(C-29-10)18ddd-1	100VLFL	166.00	06-27-2001	--	860	16.0	--	--	--
381652113003402	(C-29-10)18ddd-2	--	--	06-27-2001	--	610	16.0	--	--	--
381624112585401	(C-29-10)21bdd-1	--	--	07-03-2001	--	440	17.0	--	--	--
381901113014101	(C-29-11) 1add-1	100VLFL	64.00	06-26-2001	7.5	850	16.0	360	107	23
381920113021501	(C-29-11) 1bad-1	100VLFL	200.00	07-05-2001	--	840	16.5	--	--	--
381835113014001	(C-29-11) 1ddd-1	100VLFL	210.00	07-05-2001	--	290	19.0	--	--	--
381827113024701	(C-29-11)12bbc-1	--	--	07-02-2001	--	--	18.0	--	--	--
381743113015601	(C-29-11)12ddc-1	100VLFL	--	06-26-2001	8.2	350	21.0	87	20	8.9
381700113033401	(C-29-11)14cdb-1	100VLFL	--	06-26-2001	8.0	500	18.0	170	46	13
381623113032101	(C-29-11)23bdd-1	100VLFL	204.00	07-02-2001	--	1210	16.0	--	--	--
381543113035501	(C-29-11)27aad-1	100VLFL	204.00	06-26-2001	7.6	800	16.0	--	--	--
381147113002001	(C-30-10)17cca-1	--	--	07-02-2001	--	440	17.5	--	--	--
				BOX ELDER COUNTY						
412214112023301	(B-7-2) 2cba-5	100VLFL	342.00	08-15-2001	7.4	435	12.5	190	61	9.6
412405112022501	(B-8-2)26bcd-1	100VLFL	118.00	08-15-2001	7.7	195	15.0	--	--	--
413057112023901	(B-9-2)15daa-1	100VLFL	465.00	08-15-2001	8.7	640	15.5	--	--	--
413452113544401	(B-10-18)21aba-1	100VLFL	250.00	07-25-2001	--	1110	12.5	--	--	--
413306113543801	(B-10-18)33aba-1	100VLFL	92.00	07-25-2001	--	1120	12.0	--	--	--
413240113543801	(B-10-18)33adc-1	100VLFL	94.00	07-25-2001	--	1320	12.5	--	--	--
414006113533201	(B-11-18)22aab-3	100VLFL	48.00	07-25-2001	--	1110	11.5	--	--	--
413910113535001	(B-11-18)27baa-1	100VLFL	367.00	07-25-2001	--	710	16.5	--	--	--
413808113542501	(B-11-18)33ada-1	100VLFL	59.00	07-25-2001	--	1190	12.0	--	--	--
413806113543401	(B-11-18)33adb-1	100VLFL	200.00	07-25-2001	7.5	1010	12.5	--	--	--
414454112173101	(B-12-4)27dbd-1	100VLFL	478.00	06-19-2001	7.2	2400	16.5	770	173	83
414406112173601	(B-12-4)34bbd-1	100VLFL	306.00	06-19-2001	7.2	2200	16.5	--	--	--
414339112173401	(B-12-4)34cca-1	100VLFL	292.00	06-19-2001	7.2	1980	16.5	580	131	62

DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED PHOS-PHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGA-NESE (MN) (UG/L)
						BEAVER COUNTY						
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4.41	45.8	123	83.2	0.6	34	164	519	0.76	<0.06	102	<10	<3
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7.26	20.5	81	5.7	E0.7	74.1	39	231	<0.05	<0.06	E51	<20	<60.6
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5.1	29.6	186	107	0.4	39	73.9	511	3.17	<0.06	62	<10	<3
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3.08	39.5	112	13.3	0.8	29.2	40.7	223			106	<10	<3
5.21	28.5	94	66.5	0.5	43	56.1	322	1.31	<0.06	78	<10	<3
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						BOX ELDER COUNTY						
1.43	11.9	170	12.7	<0.2	12.4	23.7	236	0.363	<0.06	19	20	<3
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4.21	174	172	581	0.2	23.9	141	1,310	4.89	<0.06	60	<30	<10
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4.66	162	171	449	0.3	20.9	124	1,070	2.77	<0.06	67	<30	<10

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUC-TANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	HARDNESS (CA,MG) (MG/L)"	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				BOX ELDER COUNTY—Continued						
414745113063901	(B-12-11) 4bcc-1	100VLFL	230.00	06-20-2001	7.8	4620	21.5	900	198	99
414813113075401	(B-12-11) 5bbb-1	100VLFL	245.00	06-20-2001	7.6	2850	15.5	--	--	--
414811113081701	(B-12-11) 6aba-1	--	150.00	07-25-2001	--	980	16.5	--	--	--
414722113070101	(B-12-11) 8aab-1	--	224.00	07-25-2001	--	3450	16.0	--	--	--
414710113071601	(B-12-11) 8abb-1	--	275.00	06-20-2001	7.3	3200	15.0	--	--	--
415800112462601	(B-14-8) 5cdd-1	--	180.00	07-23-2001	--	2490	18.0	--	--	--
415737112431601	(B-14-8)11bca-1	100VLFL	416.00	06-20-2001	7.3	3150	13.0	790	173	86
415847112532901	(B-14-9) 5baa-1	100VLFL	405.00	07-23-2001	--	1930	20.5	--	--	--
415847112540401	(B-14-9) 5bbb-1	100VLFL	300.00	06-20-2001	7.6	1080	17.0	--	--	--
415703112513501	(B-14-9)16aaa-1	--	400.00	07-23-2001	--	2620	20.5	--	--	--
415546112532801	(B-14-9)20acc-1	--	305.00	07-26-2001	--	2670	17.0	--	--	--
415845112562201	(B-14-10) 1bbb-1	100VLFL	414.00	06-20-2001	7.8	590	18.0	210	60	16
415723112562201	(B-14-10)12cbb-1	--	395.00	07-26-2001	--	1380	18.5	--	--	--
415847112545301	(B-15-9)31cdc-1	--	263.00	07-23-2001	--	1070	20.0	--	--	--
415941112495801	(B-15-9)35abb-1	--	404.00	07-23-2001	--	3070	24.0	--	--	--
				CACHE COUNTY						
415020111520401	(A-13-1)29bcd-1	100VLFL	173.00	07-16-2001	7.4	480	15.0	200	43	23
				DAVIS COUNTY						
405351111540803	(B-2-1)24bad-3	100VLFL	386.00	08-07-2001	7.8	540	15.5	--	--	--
410340112030001	(B-4-2)27aba-1	--	304.00	08-07-2001	7.6	625	15.0	44	11	3.9
410354112135201	(B-4-3)19caa-1	--	430.00	08-07-2001	8.1	1350		--	--	--
410830111585101	(B-5-1)29bdc-1	--	627.00	08-20-2001	7.5	600	10.5	--	--	--
				DUCHESNE COUNTY						
402119110204201	U(C-1-4)33bdb-1	--	--	06-26-2001	6.7	4310	11.5	--	--	--
402103110235601	U(C-1-5)36caa-1	--	--	06-26-2001	8.0	330	14.5	--	--	--
401919109593201	U(C-2-1) 9dad-1	123DCRV	740.00	06-28-2001		900	17.0	--	--	--
401946110044601	U(C-2-2)11bab-1	123DCRV	666.00	06-26-2001	7.7	360	16.5	--	--	--
402011110260901	U(C-2-5) 3bdd-1	--	--	06-26-2001	7.8	510	10.5	--	--	--
401611110251502	U(C-2-5)35bab-1	--	--	--	8.7	1010	13.0	--	--	--
401030110225701	U(C-3-4)31cab-1	112OTSH	70.00	06-26-2001	7.3	820	17.5	--	--	--
401012110292101	U(C-3-5)31dcd-1	124UINT	200.00	06-26-2001	8.5	610	20.0	--	--	--
401124110305501	U(C-3-6)25cab-1	--	120.00	06-28-2001		910	12.0	--	--	--
				IRON COUNTY						
375915112442901	(C-32-8)27dca-1	--	--	03-06-2001		245	12.0	--	--	--
375257112483501	(C-33-8)31ccc-1	100VLFL	450.00	05-30-2001	7.6	520	14.0	220	45	25
375320112510003	(C-33-9)35acd-3	100VLFL	880.00	05-30-2001	7.3	460	14.0	--	--	--
375147112530001	(C-34-9) 9bca-1	100VLFL	--	08-03-2001	--	570	12.0	--	--	--
375046112545901	(C-34-9)18bdc-1	100VLFL	300.00	06-06-2001	--	560	13.5	--	--	--
375024112542601	(C-34-9)18ddc-1	100VLFL	204.00	06-05-2001	--	405	--	--	--	--
375006112554801	(C-34-10)24abc-1	100VLFL	135.00	05-31-2001	7.5	530	13.0	--	--	--
374834113384301	(C-34-16)28dcc-2	100VLFL	148.00	07-30-2001	7.5	1120	12.0	--	0	E.004
374753113464601	(C-34-17)32cca-1	100VLFL	306.00	07-31-2001	7.5	630	19.5	--	--	--
374718112572901	(C-35-10) 3add-1	100VLFL	550.00	06-05-2001	--	620	13.5	--	--	--
374619113053101	(C-35-11) 9dba-1	100VLFL	500.00	05-31-2001	7.6	640		300	60	37
374550113040601	(C-35-11)11ccc-1	100VLFL	450.00	08-03-2001	--	960	14.5	--	--	--
374515113015501	(C-35-11)13dad-1	100VLFL	206.00	05-23-2001	--	1050	14.0	--	--	--
374545113035001	(C-35-11)14bac-2	--	56.00	03-13-2001	7.2	2970	13.0	1,800	320	244
374342113025401	(C-35-11)25bcc-1	--	318.00	07-10-2001	7.7	930	15.0	390	82	45
374248113075201	(C-35-11)31dbd-1	100VLFL	298.00	05-31-2001	7.3	2240	15.0	--	--	--
374248113075201	(C-35-11)31dbd-1	100VLFL	298.00	07-19-2001	--	880	--	--	--	--
374250113090601	(C-35-12)36caa-2	--	75.00	03-14-2001	7.1	3580	12.0	2,300	364	326
374649113305801	(C-35-15) 3dcc-3	--	316.00	07-31-2001	7.7	1360	13.0	--	--	--
374623113381301	(C-35-16) 9add-1	100VLFL	150.00	07-30-2001	7.5	525	12.5	220	67	12
374504113370201	(C-35-16)14ccc-1	--	192.00	06-21-2001	--	600	13.0	--	--	--

DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED PHOS-PHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGA-NESE (MN) (UG/L)
					BOX ELDER COUNTY—Continued							
21.7	538	168	1,380	0.3	47.1	51.9	2,440	0.773	<0.06	319	<30	<10
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19.1	345	265	685	0.8	46.9	338	1,860	1.49	<0.06	147	<30	<10
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7.64	28.9	152	77.7	0.4	60.7	25.3	369	0.372	E0.03	36	<10	<3
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					CACHE COUNTY							
1.57	23.7	224	7.9	E0.1	11.2	9.6	255	0.126	<0.06	46	200	63.5
					DAVIS COUNTY							
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5.37	116	250	43.6	0.3	31.4	0.2	362	<0.05	0.596	85	310	50.6
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					DUCHESNE COUNTY							
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					IRON COUNTY							
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2.77	23.6	213	26.6	0.2	28.7	23.9	311	1.61	<0.06	51	<10	<3
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<.09	M	1	0.3	<0.2	<0.5	0.1		1.76	<0.06	<13	<10	<3
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2.44	13.5	161	8.7	0.3	22.1	159	403	0.799	<0.06	37	<10	<3
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4.11	98.8	235	78.5	0.6	31	1600	2,510	0.042	<0.06	235	<30	328
4.15	46.6	148	47	0.3	29.7	249	617	7.9	<0.06	100	<10	<3
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3.87	115	292	119	0.7	22.7	1970	3,070	2.67	<0.06	391	E20	708
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4.66	16	148	56.8	0.2	52.4	25.1	332	1.8	<0.06	34	<10	<3
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STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUC-TANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	HARDNESS (CA,MG) (MG/L)"	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				IRON COUNTY—Continued						
374412113384503	(C-35-16)21dcc-3	100VLFL	300.00	06-21-2001	--	410	15.0	--	--	--
374412113384503	(C-35-16)21dcc-3	100VLFL	300.00	07-30-2001	7.3	420	14.0	--	--	--
374105113085001	(C-36-12)12dba-1	100VLFL	600.00	05-31-2001	7.7	600		--	--	--
373743113084201	(C-36-12)36adb-1	100VLFL	307.00	05-31-2001	7.1	890	13.5	--	--	--
374209113322203	(C-36-15) 4bad-3	100VLFL	320.00	07-31-2001	7.8	760	21.0	--	--	--
374040113343102	(C-36-15) 7cdd-2	--	500.00	07-30-2001	7.8	980	25.0	190	51	16
374014113391101	(C-36-16) 9bcd-2	100VLFL	--	07-30-2001	7.4	450	14.5	200	63	10
373854113411501	(C-36-16)19abb-1	100VLFL	352.00	07-30-2001	7.5	470	11.0	190	59	11
373848113390301	(C-36-16)21abb-1	100VLFL	351.00	06-19-2001	--	540	14.5	--	--	--
373542113122401	(C-37-12) 9acc-1	100VLFL	186.00	05-31-2001	--	800	11.0	--	--	--
373409113095501	(C-37-12)23abd-1	100VLFL	276.00	05-31-2001	7.3	670	15.5	260	61	27
				JUAB COUNTY						
393401112421801	(C-14-8)25ccc-1	--	553.00	03-14-2001	--	2100	12.5	--	--	--
394225111495701	(D-13-1) 4cca-1	100VLFL	371.00	07-09-2001	7.2	1590	11.5	470	128	37
394137111515001	(D-13-1) 7dbc-1	--	210.00	07-09-2001	7.4	1490	11.5	460	106	47
393301111512501	(D-14-1)31dab-1	100VLFL	420.00	07-10-2001	7.2	1150	16.5	550	138	50
				KANE COUNTY						
370050112274501	(C-44-5) 6cbb-1			08-01-2001	7.6	2320	21.0	710	166	71
				MILLARD COUNTY						
393154112192901	(C-15-4) 8cba-1	100VLFL	203.00	07-11-2001	7.1	3490	14.0	--	--	--
392948112195102	(C-15-4)19ccc-2	--	63.10	03-16-2001	--	10700	13.5	--	--	--
392801112342301	(C-15-6)31ccc-1	--	195.00	03-14-2001	--	590	14.0	--	--	--
392819112352901	(C-15-7)36cbb-1	--	420.00	03-14-2001	--	530	15.0	--	--	--
392938112411201	(C-15-8)25aaa-1	100VLFL	285.00	03-14-2001	--	940	14.0	--	--	--
392614112335101	(C-16-6) 7dbc-1	--	104.00	03-20-2001	--	540	14.0	--	--	--
392650112345101	(C-16-7) 1dcd-1	100VLFL	132.00	03-20-2001	--	640	13.0	--	--	--
392558112345301	(C-16-7)12dcd-4	--	180.00	03-14-2001	--	530	14.0	--	--	--
392558112345302	(C-16-7)12dcd-5	--	704.00	03-14-2001	--	450	16.0	--	--	--
392456112441401	(C-16-8)22bad-2	100VLFL	626.00	07-11-2001	--	700	20.0	--	--	--
391716112314501	(C-17-6)33dcc-1	--	217.00	03-15-2001	--	390	16.5	--	--	--
392126112433101	(C-17-8)11bbc-1	100VLFL	987.00	07-11-2001	--	5110	27.0	--	--	--
391951112415401	(C-17-8)13cdd-1	--	150.00	03-15-2001	--	840	12.5	--	--	--
391246112241601	(C-18-5)34bba-2	100VLFL	525.00	07-16-2001	--	1250	16.5	--	--	--
391212112221301	(C-18-5)36cbc-1	100VLFL	385.00	07-16-2001	--	680	17.0	--	--	--
391714112300301	(C-18-6) 2bbb-2	100VLFL	246.00	03-15-2001	--	620	16.5	--	--	--
391710112334701	(C-18-6) 6aba-2	100VLFL	812.00	07-11-2001	8.1	790	27.0	93	15	14
391553112332601	(C-18-6) 8cbb-1	100VLFL	260.00	03-15-2001	--	420	16.5	--	--	--
391623112412601	(C-18-8) 1ddd-1	100VLFL	605.00	03-15-2001	--	2380	13.5	--	--	--
391420112412001	(C-18-8)24ada-2	100VLFL	601.00	03-15-2001	--	3520	20.0	--	--	--
390758112194601	(C-19-4)29bcd-1	100VLFL	390.00	05-16-2001	7.4	1010	14.0	--	--	--
391134112234601	(C-19-5) 3acd-1	100VLFL	530.00	07-11-2001	--	940	17.5	--	--	--
390558112194601	(C-20-4) 5cca-1	100VLFL	565.00	07-17-2001	--	1410	15.0	--	--	--
390628112201401	(C-20-4) 6aca-1	100VLFL	506.00	05-16-2001	7.0	1710	13.5	--	--	--
390542112191401	(C-20-4) 8aba-1	100VLFL	400.00	07-17-2001	--	1270	15.5	--	--	--
390248112235901	(C-20-5)27bda-1	100VLFL	475.00	07-11-2001	--	1020	16.5	--	--	--
390250112235901	(C-20-5)27bda-2	100VLFL	--	07-11-2001	--	970	16.5	--	--	--
385939112272303	(C-21-5) 7cdd-3	--	--	05-16-2001	7.1	1310	12.5	460	103	50
390005112262301	(C-21-5) 8bdc-2	100VLFL	407.00	05-16-2001	7.5	860	17.5	--	--	--
385714112264701	(C-21-5)29cbc-1	100VLFL	900.00	07-12-2001	7.2	2260	19.0	--	--	--
385713112271601	(C-21-5)30dbc-2	100VLFL	250.00	07-12-2001	--	1080	14.5	--	--	--
385715112271201	(C-21-5)30dbc-3	100VLFL	773.00	07-12-2001	7.2	1700	19.0	--	--	--
385610112250201	(C-21-5)33dcc-2	100VLFL	258.00	07-11-2001	--	960	14.5	--	--	--
390045112281201	(C-21-6) 1ddb-1	100VLFL	105.00	05-16-2001	7.1	1990	12.5	--	--	--
385557112252901	(C-22-5) 4bbd-1	100VLFL	250.00	07-11-2001	--	1520	15.0	--	--	--
385529112245501	(C-22-5) 4dca-2	100VLFL	422.00	07-11-2001	--	1620	16.5	--	--	--
385426112262101	(C-22-5) 8cdd-3	100VLFL	475.00	07-10-2001	--	900	16.0	--	--	--

DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED PHOS-PHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGA-NESE (MN) (UG/L)
					IRON COUNTY—Continued							
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4.14	126	122	45.7	1.7	45.1	283	649	0.418	<0.06	388	<10	<3
3.41	14.4	154	40	0.3	38.3	12.1	279	1.25	<0.06	34	<10	<3
4.37	17.9	168	30.2	0.3	34.6	17.1	285	2.36	E0.031	28	<10	<3
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4.99	34.5	168	39.8	E0.1	19.1	114	414	2.75	E0.04	92	<10	<3
					JUAB COUNTY							
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3.7	136	284	231	0.2	23.1	117	868	5	<0.06	90	<10	<3
3.29	116	293	250	E0.2	25.8	92	838	5.13	<0.06	66	<10	<3
1.97	42.9	241	51.8	0.2	12.8	278	727	1.66	<0.06	65	M	<3
					KANE COUNTY							
9.88	281	318	63	0.5	14.3	908	1710	1.35	<0.06	352	<10	91.7
					MILLARD COUNTY							
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3.81	100	335	127	E0.2	27.6	162	779	0.998	<0.06	323	<10	<3
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STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUC-TANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	HARDNESS (CA,MG) (MG/L)"	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				MILLARD COUNTY—Continued						
385511112243501	(C-22-5)10bbb-2	100VLFL	338.00	05-16-2001	7.2	1340	16.5	--	--	--
385324112261001	(C-22-5)20abd-1	100VLFL	260.00	07-10-2001	--	810	14.5	--	--	--
385311112261101	(C-22-5)20acd-2	100VLFL	255.00	07-10-2001	--	820	14.5	--	--	--
385324112252301	(C-22-5)21bab-2	100VLFL	335.00	07-10-2001	--	955	13.5	--	--	--
385303112234801	(C-22-5)22adc-2	100VLFL	260.00	07-12-2001	7.2	1340	15.0	--	--	--
385230112244601	(C-22-5)28aad-1	100VLFL	354.00	07-10-2001	--	940	13.5	--	--	--
385213112244701	(C-22-5)28ada-1	100VLFL	389.00	07-10-2001	--	1260	14.5	--	--	--
385053112262501	(C-22-5)32cdd-1	100VLFL	256.00	07-10-2001	--	1140	14.0	--	--	--
385003112263501	(C-23-5) 5cdc-1	--	382.00	07-10-2001	--	860	16.5	--	--	--
384816112274901	(C-23-5)18ccd-1	--	135.00	07-10-2001	--	780	13.5	--	--	--
385015112333601	(C-23-6) 5cbc-1	112PVNT	162.00	07-09-2001	--	--	--	--	--	--
384906112303701	(C-23-6)15aba-1	--	135.00	07-09-2001	--	830	15.0	--	--	--
384830112323501	(C-23-6)17dad-1	--	135.00	07-09-2001	--	7320	15.0	--	--	--
384840112325101	(C-23-6)17dba-1	--	135.00	07-09-2001	--	5330	16.0	--	--	--
384722112322101	(C-23-6)28bbb-2	--	290.00	05-15-2001	7.2	6700	13.5	2400	421	334
				PIUTE COUNTY						
381440111584001	(C-29-2)35bad-1	122BRHD	197.00	08-06-2001	7.5	440	13.0	--	--	--
381003112010301	(C-30-2)28bdc-1	--	135.00	08-06-2001	7.6	430	11.5	--	--	--
				RICH COUNTY						
404627111532601	(A-1-1)31cac-1	100VLFL	464.00	06-25-2001	7.1	1070	14.0	430	107	39
				SALT LAKE COUNTY						
404057111565401	(C-1-1)33ddd-1	100VLFL	886.00	07-10-2001	7.1	1480	22.0	400	80	48
404045111594201	(C-2-1) 6abc-4	100VLFL	440.00	07-11-2001	6.8	2620	19.0	960	190	118
403658111542701	(C-2-1)25cbb-1	100VLFL	680.00	07-16-2001	7.3	500	23.5	200	53	16
403637112005201	(C-2-2)25cdd-1	100VLFL	308.00	07-10-2001	7.3	900	21.0	280	58	32
403533111570701	(C-3-1) 4aac-1	100VLFL	491.00	07-10-2001	7.7	1140	16.0	--	--	--
403408111543201	(C-3-1)12ccb-1	100VLFL	118.00	07-11-2001	6.6	880	20.0	280	60	31
403336111575802	(C-3-1)16bcc-2	100VLFL	300.00	07-10-2001	6.9	2520	14.5	1300	344	112
402721111550801	(C-4-1)23dbb-1	100VLFL	262.00	07-12-2001	7.2	550	17.0	210	46	24
404506111523301	(D-1-1) 7abd-6	100VLFL	130.00	06-05-2001	7.0	1310	14.0	590	144	55
404506111523301	(D-1-1) 7abd-6	100VLFL	130.00	07-09-2001	6.7	1310	14.5	580	139	56
404253111530901	(D-1-1)19cdb-17	100VLFL	500.00	07-09-2001	7.3	1060	14.5	490	129	42
404040111503301	(D-2-1) 4acb-1	100VLFL	230.00	07-16-2001	7.4	1360	13.5	550	130	54
403742111503201	(D-2-1)21dbc-1	100VLFL	740.00	07-23-2001	7.9	280	11.5	120	33	10
403332111485001	(D-2-1)35bbb-1	100VLFL	238.00	07-12-2001	7.2	375	11.5	170	27	25
403252111522501	(D-3-1)19ada-1	100VLFL	177.00	07-12-2001	6.8	1560	17.0	570	150	48
403116111524801	(D-3-1)31abb-1	100VLFL	138.00	07-12-2001	7.2	450	14.5	180	41	20
				SAN JUAN COUNTY						
371716109325501	(D-40-22)30bbb-1	220JRSC	825.00	03-05-2001	9.0	3000	18.5	5	1	0.402
371621109211001	(D-40-23)27baa-1	220JRSC	672.00	03-05-2001	7.7	3100	19.0	--	--	--
				SANPETE COUNTY						
390819111530701	(C-19-1)23cac-1	110ALVM	--	08-06-2001	7.2	2250	16.5	--	--	--
393715111375301	(D-14-3) 7abb-1	--	300.00	08-08-2001	6.9	680	11.0	330	91	26
393634111253701	(D-14-4)12cdc-1	--	265.00	08-09-2001	--	580	11.5	--	--	--
393239111275001	(D-15-4) 3bdc-1	100VLFL	204.00	08-09-2001	--	590	11.0	--	--	--
393249111284601	(D-15-4) 4bad-2	100VLFL	360.00	08-09-2001	--	630	12.0	--	--	--
392511111382001	(D-16-2)13dda-1	--	324.00	08-08-2001	--	1090	15.0	--	--	--
392740111345301	(D-16-3) 4aaa-1	100VLFL	160.00	08-08-2001	7.1	1080	11.0	--	--	--

DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED PHOS- PHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGA-NESE (MN) (UG/L)
MILLARD COUNTY—Continued												
13.2	534	182	1,660	0.3	34.4	895	4,200	43.3	<0.06	1210	<50	<16
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3.13	123	171	100	0.7	32.8	59.3	450	E0.025	<0.06	176	<10	5.8
PIUTE COUNTY												
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RICH COUNTY												
3.33	55.9	--	132	0.2	20.1	77.1	618	5.27	0.01	--	<10	<3
SALT LAKE COUNTY												
5.62	153	131	266	0.3	39.9	224	901	1.35	<0.06	122	M	83.3
7.74	173	156	606	0.6	36.3	310	1,560	5.37	<0.06	228	<30	<10
3.01	31.6	142	51.4	0.2	14.6	41	303	1.42	<0.06	51	<10	E5.8
3.96	73.4	192	145	0.2	21.4	40.2	497	1.7	<0.06	99		10.2
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7.99	80.7	186	120	0.3	33.1	106	552	0.248	<0.06	131	<10	<3
4.24	99	286	202	<0.2	28.3	860	1,830	2.39	<0.06	91	70	E5.8
3.79	30.2	132	51	0.6	19.2	63.5	331	3	<0.06	66	M	<3
2.8	50.4		150	0.2	19.7	171	788	5.99	0.038		<10	7
3.03	50.8	279	154	0.2	18.7	167	783	6.01	<0.06	100	<10	5.6
3.66	45	249	77.5	0.2	16.3	210	688	3.52	<0.06	108	<10	<3
3.76	103	261	133	0.3	14.3	224	850	7.07	<0.06	120	<10	<3
1.78	10.4	109	11.2	0.3	10.5	22.4	169	1.03	<0.06	E13	<10	<3
2.69	11.8	158	12.1	0.7	11.6	16.5	212	2.23	<0.06	47	<10	<3
10.8	117	228	177	0.6	21.8	321	992	2.06	<0.06	224	M	<3
9.14	16.6	207	10.2	0.5	38.8	0.4	261	<0.05	0.677	64	270	466
SAN JUAN COUNTY												
1.05	177	358	14.3	0.4	10.7	49.5	469	<0.047	<0.06	94	<10	E3.1
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SANPETE COUNTY												
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2.28	16	297	29.4	<0.2	20	19.6	401	4.21	E0.034	39	<10	<3
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STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUC-TANCE (MICRO-MHOS)	TEMPER-ATURE (DEG C)	HARDNESS (CA,MG) (MG/L)"	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
				SEVIER COUNTY						
385910111512101	(C-21-1)13abd-1	--	291.00	08-06-2001	8.0	750	20.0	--	--	--
384757112002201	(C-23-2)15dcb-4	--	75.00	08-07-2001	7.5	770	12.0	--	--	--
384629112030801	(C-23-2)30ada-1	--	--	08-07-2001	--	660	17.0	--	--	--
384641112034601	(C-23-2)30baa-2	--	75.00	08-07-2001	7.2	790	14.0	--	--	--
384550112000901	(C-23-2)34aba-1	--	50.00	08-07-2001	--	1230	13.0	--	--	--
384456112043101	(C-24-3) 1aab-1	--	--	08-07-2001	--	3500	11.5	--	--	--
383140111522001	(C-26-1)23ddb-1	100VLFL	200.00	08-06-2001	8.1	210	12.5	--	--	--
				TOOELE COUNTY						
404113112395801	(C-1-7)31daa-1	--	190.00	07-11-2001	--	7050	19.0	--	--	--
402459112253701	(C-5-5) 5adb-1	100VLFL	209.00	07-11-2001	--	1060	13.5	--	--	--
400849112263901	(C-8-5) 6ddb-1	--	534.00	07-11-2001	--	690	19.0	--	--	--
400601112255401	(C-8-5)20cdd-1	--	547.00	07-11-2001	--	2460	13.0	--	--	--
				UINTAH COUNTY						
402726109582601	U(B-1-1)27ada-1	112OTSH	190.00	09-14-2001	--	543	15.0	--	--	--
				UTAH COUNTY						
401730111594501	(C-6-1)18cdd-1	--	265.00	07-18-2001	7.5	810	28.5	280	69	26.1
401607112023401	(C-6-2)26cbb-1	100VLFL	505.00	07-18-2001	7.6	660	14.0	370	60	52.1
401610112053101	(C-6-2)29bdd-1	100VLFL	150.00	07-18-2001	7.7	335	11.5	210	55	18.3
395825111571801	(C-10-1) 4cbb-1	100VLFL	870.00	07-17-2001	7.2	1260	18.0	300	73	27.8
402145111531101	(D-5-1)19ccc-1	110ALVM	150.00	07-18-2001	8.1	245	23.0	94	23	8.6
402103111461601	(D-5-2)30ccb-2	--	225.00	07-18-2001	7.4	770	11.0	350	77	38.4
401414111435301	(D-7-2) 4cbb-2	100VLFL	144.00	07-17-2001	7.4	560	12.0	230	58	21
400941111352701	(D-7-3)34cdb-1	100VLFL	445.00	07-17-2001	7.5	560	11.5	260	63	24.1
				WASATCH COUNTY						
403146111272701	(D-3-4)26dba-1	--	19.00	08-29-2001	7.4	690	14.5	330	98	20
402842111263101	(D-4-4)12dcc-1	100VLFL	--	08-29-2001	6.8	460	--	220	61	15.6
402937111214901	(D-4-5) 3dcc-1	100VLFL	75.00	07-31-2001	7.1	460	14.5	220	71	9.29
402946111233901	(D-4-5) 4ccb-1	100VLFL	217.00	07-31-2001	7.0	320	12.0	150	47	6.99
403003111255801	(D-4-5) 6bcc-2	--	--	08-29-2001	7.1	415	19.5	190	58	10.9
402904111225801	(D-4-5) 9dbb-1	--	--	06-27-2001	7.0	530	10.0	250	71	16.8
402840111232201	(D-4-5)16bab-1	--	--	06-27-2001	7.1	640	14.5	310	85	24.4
402750111232701	(D-4-5)16ccd-1	100VLFL	150.00	07-31-2001	7.6	455	12.5	220	54	21.7
402813111253701	(D-4-5)18cab-1	--	206.00	07-31-2001	7.6	540	--	250	66	21.7
				WASHINGTON COUNTY						
373456113423501	(C-37-17)12bdc-2	--	290.00	07-31-2001	7.4	540	11.5	220	69	11.7
371305113470401	(C-41-17)17bdb-1	--	626.00	07-31-2001	7.5	485	17.0	220	64	13.8
370517113310402	(C-42-15)34dba-2	--	265.00	07-01-2001	6.8	4550	16.5	--	--	--
				WAYNE COUNTY						
382717111365601	(D-27-3)19aaa-1	--	285.00	08-06-2001	7.6	1320	11.0	690	206	41.6
381902111321101	(D-29-3) 1cab-1	110ALVM --	433.00	08-06-2001	8.2	270	17.5	--	--	--
				WEBER COUNTY						
411153112064601	(B-5-2) 6bdd-4	100VLFL	303.00	08-20-2001	7.8	470	16.5	--	--	--
412011112041401	(B-7-2)16dcd-2	100VLFL	1,176.00	08-15-2001	8.2	350	22.0	62	18	3.84
411824112060601	(B-7-2)32bbb-1	100VLFL	546.00	08-15-2001	7.8	2,00	19.5	340	70	39.1

GEOLOGIC UNIT

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
112OTSH - OUTWASH, PLEISTOCENE AGE.
112PVNT - PAVANT FLOW, PLEISTOCENE AGE.

DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED PHOS-PHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGA-NESE (MN) (UG/L)
					SEVIER COUNTY							
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					TOOELE COUNTY							
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					UINTAH COUNTY							
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					UTAH COUNTY							
3.43	37.4	202	64	0.5	21.5	61	408	0.819	0.06	82	10	<3
3.64	23.3	251	93.7	0.3	59.3	31.3	475	0.066	0.031	67		30.5
0.85	9.2	183	18.6	E0.1	11.4	13.8	240	0.954	0.06	20	10	<3
11.6	112	133	195	0.2	65.6	57.5	732	24.8	0.06	131	10	<3
3.08	15.8	114	7.3	0.4	18.4	6.5	153	0.111	0.06	30	10	90.4
3.57	32.1	219	19.4	0.3	14.1	129	454	2.17	0.06	84	10	<3
2.63	15.4	223	11.8	0.2	19.6	44.6	308	0.085	0.06	53	510	68.3
1.8	12	229	10.4	E0.1	11.6	41.8	307	1.1	0.06	25	10	<3
					WASATCH COUNTY							
7.92	19.8	240	17.7	0.7	18.7	74.3	401	E1.16	0.06	110		<3
1.2	9	197	12.6	E0.1	19.4	19	256	E1.92	0.06	32	10	<3
2.88	6.8	199	11.8	E0.1	39.6	6.2	286	4.33	0.076	21	10	<3
2	4.6	130	6.3	E0.1	42.4	13.7	210	1.97	0.082	15	10	<3
1.86	7.2	167	10.6	E0.1	25.9	23.9	238	E0.025	0.03	26	10	4.3
2.35	15.2	232	11.8	0.2	27.5	18.8	309	1.38	0.033	35	10	<3
1.51	16.4	289	17	0.2	27.5	18.7	374	2.19	0.06	42	10	<3
1.06	7.2	198	8.9	E0.1	12	27.7	254	0.618	0.06	16	10	<3
1.27	9.3	225	26.5	E0.1	10.9	12.2	289	1.46	0.06	18	10	14
					WASHINGTON COUNTY							
4.65	28.4	226	25	0.2	46.4	15.4	350	3.22	0.058	75	10	<3
1.81	14.2	198	15.4	0.3	20.8	34.2	285	0.455	0.06	47	10	6.1
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					WAYNE COUNTY							
3.6	27.6	186	11.7	E0.1	30.4	554	995	1.99	0.06	111	10	<3
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					WEBER COUNTY							
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6.17	47	164	7.5	0.7	29.9	2.8	215	<0.05	0.06	60	190	43.8
12.8	320	148	679	0.3	30	0.7	1,240	<0.05	0.044	313	230	295

GEOLOGIC UNIT

122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.
123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

WATER-QUALITY DATA, OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM
KENNECOTT UTAH COPPER ANALYSIS

STATION NUMBER	LOCAL IDENTIFIER	DATE	PH WATER WHOLE FIELD (STANDARD UNITS)	SPECIFIC CONDUC-TANCE (US/CM)	TEMPERA-TURE WATER (DEG C)	CALCIUM, TOTAL (MG/L AS CA)	MAGNE-SIUM, TOTAL (MG/L AS MG)	POTAS-SIUM, TOTAL (MG/L AS K)	SODIUM, TOTAL RECOVER-ABLE (MG/L AS NA)	ALKALINITY, WAT.DIS FET LAB CACO3 (MG/L)	CHLORIDE, DISSOLVED (MG/L AS CL)
404202112064701	(C- 1- 2)30cac- 1	10-06-2000	7.4	1300	17	82.2	32.9	17.1	143	224	230
404202112064701	(C- 1- 2)30cac- 1	01-24-2001	7.4	1260	16	81	31	14.1	148	219	197
404202112064701	(C- 1- 2)30cac- 1	04-09-2001	7.3	1290	17	73	31	15.5	145	221	223
404202112064701	(C- 1- 2)30cac- 1	07-16-2001	7.3	1290	20	79	31	12.6	140	224	225
403907112073901	(C- 2- 3)13aba- 1	07-27-2000	7.1	740	14	74.9	36.6	2.4	44.5	252	56
403835112171801	(C- 2- 4)15cac-S1	07-12-2000	7.3	2100	17.5	102	48	7.9	275	227	408
403835112171801	(C- 2- 4)15cac-S1	07-17-2001	7.3	2100	17	106	47	7.8	278	235	424
403636112152401	(C- 2- 4)26ddd-S1	07-12-2000	7.3	630	17	69.8	27.1	2.2	33	246	36
403636112152401	(C- 2- 4)26ddd-S1	10-19-2000	7.4	650	16	72.1	27.4	2.3	33	249	32
403636112152401	(C- 2- 4)26ddd-S1	01-10-2001	7.1	650	16	78	29	2.3	35	245	37
403636112152401	(C- 2- 4)26ddd-S1	04-11-2001	7.4	640	16	60	22	1.8	27	252	37
403636112152401	(C- 2- 4)26ddd-S1	07-17-2001	7.2	640	16	71	26	2	32	251	37
403547112155101	(C- 2- 4)35dcc- 1	07-11-2000	6.9	2600	19.5	154	99	6.5	303	223	608
403547112155101	(C- 2- 4)35dcc- 1	08-09-2000	7.1	2600	20.5	148	101	7.3	245	208	607
403547112155101	(C- 2- 4)35dcc- 1	09-07-2001	7.2	2690	18	165	114	7.1	210	189	685
403547112155102	(C- 2- 4)35dcc- 2	07-11-2000	7.1	3370	17	300	177	4.3	195	158	892
403547112155102	(C- 2- 4)35dcc- 2	07-11-2000	7.2	3410	17	299	174	5.1	180	160	922
403547112155102	(C- 2- 4)35dcc- 2	08-09-2000	7.2	4000	18	341	206	6.2	206	148	1140
403547112155102	(C- 2- 4)35dcc- 2	09-07-2001	7.2	3280	15.5	266	152	5.4	184	158	876
403547112155103	(C- 2- 4)35dcc- 3	07-11-2000	7.3	1160	18	92	41	2.6	97	206	178
403547112155103	(C- 2- 4)35dcc- 3	08-09-2000	7.4	1100	18	88	39.9	2.7	97	216	182
403547112155103	(C- 2- 4)35dcc- 3	09-07-2001	7.3	1150	15.5	86	37	2.7	99	209	186
403241112053301	(C- 3- 2)20bdd- 1	11-01-2000	7.3	960	16	80.5	31	12.9	58	162	192
403241112053302	(C- 3- 2)20bdd- 2	09-14-2000	7.4	420	16	45	15.1	1.1	14	116	41
403139112054601	(C- 3- 2)29cbd	07-28-2000	7.7	2000	15	378	144	4.5	31.5	203	48
403139112054601	(C- 3- 2)29cbd	10-31-2000	7.7	2300	14.5	362	130	4.6	30	209	43
403139112054601	(C- 3- 2)29cbd	01-09-2001	7.3	2220	14	337	121	3.6	28	211	41
403139112054601	(C- 3- 2)29cbd	04-30-2001	7.6	2200	15	340	112	3.8	23	210	43
403139112054601	(C- 3- 2)29cbd	08-22-2001	7.5	2230	17	377	138	4.8	33	215	42
403140112054601	(C- 3- 2)29cbd- 2	07-25-2000	5.9	3400	18	559	203	7.6	57	74	114
403140112054601	(C- 3- 2)29cbd- 2	12-13-2000	6	3200	18	702	222	10	58	175	111
403140112054601	(C- 3- 2)29cbd- 2	02-12-2001	6	3060	18	561	185	7.1	50	146	113
403055112060401	(C- 3- 2)31add- 1	09-14-2000	8.5	870	19	9	3.12	2.1	135	245	40
403055112060402	(C- 3- 2)31add- 2	09-13-2000	7.1	970	19	107	45.5	4	46	238	116
403457112113401	(C- 3- 3) 4ccb	07-13-2000	7.5	770	10	84.9	33.3	1.3	33	278	35
403457112113401	(C- 3- 3) 4ccb	07-17-2001	7.3	770	16	90	33	1.1	35	283	37
403309112115501	(C- 3- 3)17ddc	07-12-2000	7.5	580	9.5	65.3	34.3	0.8	14	216	11
403309112115501	(C- 3- 3)17ddc	07-27-2001	7.4	590	9	52	32	0.9	12	222	<5
403258112123201	(C- 3- 3)20bad-S1	07-13-2000	7.6	480	11	50.4	25.2	1.2	14	162	14
403258112123201	(C- 3- 3)20bad-S1	10-19-2000	7.6	480	9	55	26	1.3	14	172	9
403258112123201	(C- 3- 3)20bad-S1	01-10-2001	7	490	5.5	60	28	1.2	15	174	12
403258112123201	(C- 3- 3)20bad-S1	04-11-2001	8	500	8.1	50	23	1	12	189	13
403258112123201	(C- 3- 3)20bad-S1	07-27-2001	7.1	510	10.5	54	26	1.3	15	176	<5
403225112085701	(C- 3- 3)23cdc- 1	12-18-2000	7	2300	21	335	225	7	32	228	48
403225112085701	(C- 3- 3)23cdc- 1	03-27-2001	7.1	2310	22	327	195	5.9	31	244	46
403225112085701	(C- 3- 3)23cdc- 1	06-06-2001	7	2850	22	384	234	6.7	32	293	54
403151112112001	(C- 3- 3)28bcd- 2	07-25-2000	7	2400	19	440	139	2.2	17	239	18
403151112112001	(C- 3- 3)28bcd- 2	12-06-2000	6.9	2700	18	395	126	4.1	20	242	18
403151112112001	(C- 3- 3)28bcd- 2	03-13-2001	7.1	2120	19	385	118	3.9	15	242	17
403151112112001	(C- 3- 3)28bcd- 2	06-12-2001	7	2330	18	397	140	5	16	225	17
403339112152501	(C- 3- 4)14adb- 1	09-05-2000	7.2	760	--	88	39.8	1.5	34	219	29
402916112113301	(C- 4- 3) 9bcd	07-28-2000	8.3	520	8	49.1	27	0.8	12.1	214	15
402923112072301	(C- 4- 3)12aac	08-30-2000	7.6	1100	14	146	52.3	2.4	33	242	45
402923112072301	(C- 4- 3)12aac	11-15-2000	7.5	1100	12	198	69.6	3.6	47	235	47
402923112072301	(C- 4- 3)12aac	05-08-2001	7.2	1090	14	154	53	2.5	36	238	49
402923112072301	(C- 4- 3)12aac	06-06-2001	7.1	1090	16	133	53	3.2	34	239	46
402923112072301	(C- 4- 3)12aac	08-09-2001	8	1100	15	157	55	2.7	37	228	46
402923112072301	(C- 4- 3)12aac	09-28-2001	7.8	1050	15	145	52	2.4	33	238	48
403011112062801	Butterfield Creek	07-28-2000	8.3	820	14	80.8	40.6	2.5	33.9	213	53
403011112062801	Butterfield Creek	09-25-2001	8.2	836	14	95	38	2.6	32	222	41

WATER-QUALITY DATA, OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM
KENNECOTT UTAH COPPER ANALYSIS

SILICA, TOTAL (MG/L AS SIO2)	SULFATE, (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE, TOTAL (MG/L AS N)	ARSENIC, DISSOLVED (UG/L AS AS)	CADMIUM, DISSOLVED (UG/L AS CD)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGA-NESE, DISSOLVED (UG/L AS MN)	MERCURY, DISSOLVED (UG/L AS HG)	ZINC, DISSOLVED (UG//L AS ZN)
16	88	748	1.2	<0.05	9	<1	<20	<300	<5	<10	<0.2	<10
16	83	680	1	<0.05	9	<1	<20	<300	<5	<10	--	<10
16	95	732	1.2	<0.05	10	<1	<20	<300	<5	<10	--	<10
16	81	723	1.1	<0.05	7	<1	<20	<300	<5	<10	--	<10
18	63	418	0.2	<0.05	21	<1	<20	<300	<5	<10	--	452
19	211	1220	1.4	<0.05	7	<1	<20	<300	<5	<10	<0.2	<10
19	157	1230	1.5	<0.05	<5	<1	<20	<300	<5	<10	<0.2	122
10	36	364	<0.2	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
11	34	460	0.2	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
10	33	348	0.2	<0.05	7	<1	<20	<300	<5	<10	<0.2	16
11	32	442	0.2	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
10	31	355	0.2	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
36	156	1550	15.7	<0.05	206	<1	<20	<300	<5	729	<0.2	<10
32	128	1600	14.8	<0.05	130	<1	22	<300	<5	187	<0.2	<10
30	94	1890	17.1	<0.05	102	<1	<20	<300	<5	48	<0.2	10
25	182	2190	22.5	<0.05	13	<1	<20	<300	<5	<10	<0.2	<10
26	186	2320	23.2	<0.05	11	<1	<20	<300	<5	<10		<10
26	187	2500	27	<0.05	7	<1	<20	<300	<5	<10	<0.2	<10
26	153	2490	21.7	<0.05	10	<1	<20	<300	<5	<10	<0.2	<10
23	93	688	4.9	<0.05	24	<1	<20	<300	<5	<10	<0.2	<10
22	82	604	4.5	<0.05	12	<1	<20	<300	<5	<10	<0.2	<10
22	72	677	5.1	<0.05	10	<1	<20	<300	<5	<10	<0.2	<10
82	37	656	0.7	<0.05	5	<1	<20	<300	<5	<10	<0.2	<10
18	24	226	<0.2	<0.05	19	<1	<20	<300	<5	<10	<0.2	<10
29	1230	2010	<0.2	<0.05	191	9	59	<300	34	--	--	5230
28	1170	1930	--	--	<10	<10	66	--	<50	--	--	4360
29	1270	1840	--	--	19	<10	49	--	<50	--	--	4070
28	1250	1780	<0.2	<0.05	13	5	<20	<300	<5	2480	--	3500
27	1050	1900	<0.2	<0.05	12	5	55	<300	<5	2860	--	3650
31	2100	3160	<0.2	<0.05	150	48	151	55200	<5	13200	<0.2	38000
26	2000	3050	<0.2	<0.05	645	53	129	36600	<5	12300	<0.2	35500
23	2140	3240	<0.2	<0.05	443	44	147	74600	<5	11400	--	29600
13	65	545	<0.2	<0.05	8	<1	<20	<300	<5	22	--	<10
14	115	598	<0.2	<0.05	9	<1	<20	830	<5	56	<0.2	<10
9	100	322	0.2	<0.05	<5	<1	<20	<300	7	<10	<0.2	33
9	75	454	<0.2	<0.05	<5	<1	<20	<300	<5	<10	<0.2	39
8	89	336	0.6	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
9	80	355	0.7	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
10	77	166	1	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
10	64	326	1	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
10	60	260	1	<0.05	7	<1	<20	<300	<5	<10	<0.2	<10
9	58	356	0.8	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
11	64	315	1	<0.05	<5	<1	<20	<300	<5	<10	<0.2	<10
24	1360	1960	<0.2	<0.05	14	2	<20	960	<5	4110	<0.2	1040
28	1180	1920	<0.2	<0.05	15	<1	<20	4150	<5	2620	--	591
24	1400	2490	<0.2	<0.05	12	<1	<20	4120	<5	2890	--	522
28	1360	2090	<0.2	<0.05	57	<1	<20	3790	<5	1980	<0.2	695
25	1450	2170	<0.2	<0.05	46	<1	<20	6220	<5	1860	<0.2	378
24	1290	1890	<0.2	<0.05	34	<1	<20	3880	<5	1770	--	413
25	1170	2020	<0.2	<0.05	19	2	<20	700	<5	1730	--	1290
13	145	488	2.4	<0.05	<5	<1	<20	<300	8	<10	<0.2	554
10	60	264	0.3	<0.05	5	<1	<20	<300	<5	<10	--	44
16	316	886	--		25	<1	<20	<300	<5	174	<0.2	114
15	309	714	0.2	<0.05	19	<1	<20	<30	<5	135	<0.2	104
--	166	762	<0.2	<0.05	26	<1	<20	<30	<5	164	--	166
--	297	770	<0.2	<0.05	17	<1	<20	<30	<5	116	--	128
--	315	724	<0.2	<0.05	23	<1	<20	40	<5	109	--	121
--	310	740	<0.2	<0.05	22	<1	<20	<30	<5	108	--	116
19	178	542	<0.2	<0.05	11	<1	<20	<300	<5	<10	<0.2	<10
17	176	528	<0.2	<0.05	11	<1	<20	<300	<5	<10	<0.2	<10

WATER-QUALITY DATA, OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM
U.S.G.S. ANALYSIS

STATION NUMBER	LOCAL IDENTIFIER	DATE	PH WATER WHOLE FIELD (STANDARD UNITS)	SPECIFIC CONDUC-TANCE (US/CM)	TEMPERA-TURE WATER (DEG C)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNE-SIUM, DISSOLVED (MG/L AS MG)	POTAS-SIUM, DISSOLVED (MG/L AS K)	SODIUM, DISSOLVED (MG/L AS NA)	ALKA-LINITY, WAT.DIS FET LAB CACO3 (MG/L)	CHLORIDE, DISSOLVED (MG/L AS CL)
403547112155101	(C- 2- 4)35dcc- 1	12-09-1999	7.1	2850	17.5	104	60.1	7.85	364	--	617
403547112155101	(C- 2- 4)35dcc- 1	08-09-2000	7.1	2600	20.5	137	86.1	5.77	232	205	609
403547112155101	(C- 2- 4)35dcc- 1	09-07-2001	7.2	2690	18	160	113	7.45	202	194	677
403547112155102	(C- 2- 4)35dcc- 2	12-09-1999	7.6	2290	16	179	100	3.98	132	--	589
403547112155102	(C- 2- 4)35dcc- 2	08-09-2000	7.2	4000	18	328	181	5.1	195	154	1160
403547112155103	(C- 2- 4)35dcc- 3	12-09-1999	7.7	1150	16	82.5	36.1	2.46	92.3	--	181
403547112155103	(C- 2- 4)35dcc- 3	08-09-2000	7.4	1100	18	85.8	35.7	2.44	91.4	218	185
403457112113401	(C- 3- 3) 4ccb	07-17-2001	7.3	770	16	82.6	30.7	1.23	32.2	284	39.1
403309112115501	(C- 3- 3)17ddc	07-27-2001	7.4	590	9	62.4	31.7	0.75	12.3	230	9.7
403050112161401	(C- 3- 4)35cbb- 1	09-10-2001	7.2	630	14.5	69.6	24.4	1.19	24.2	261	35.4
402932112155401	(C- 4- 4)11baa-S1	09-10-2001	7.6	495	11	64.8	18.2	0.85	12.5	230	13.3

WATER-QUALITY DATA, OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM
U.S.G.S. ANALYSIS

SILICA, DISSOLVED (MG/L AS SIO2)	SULFATE, DISSOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NO2+NO3 DISSOLVED (MG/L as N)	ARSENIC, DISSOLVED (UG/L AS AS)	CADMIUM, DISSOLVED (UG/L AS CD)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY, DISSOLVED (UG/L AS HG)	ZINC, DISSOLVED (UG/L AS ZN)
38.6	191	1,650	14.8	--	--	--	50	--	381	--	--
31.1	108	1,750	5.41	142	<2	<2	20	<2	237	<0.23	5
29.5	90.6	1,640	16.8	83.8	E0.04	2	<30	E0.08	47.3	0.01	8
24.2	113	1,420	13.9	--	--	--	<30	--	34.2	--	--
25.4	171	3,830	30.7	5.6	<1	1.9	<30	<1	1.8	<0.23	5
23.1	71.2	660	4.77	--	--	--	<10	--	24	--	--
22.4	69.3	684	4.91	12.3	<1	<1	<10	<1	3.2	<0.23	8
8.4	71.5	452	0.102	0.7	0.24	0.6	<10	<0.08	<0.1	<0.01	37
8	76.1	363	0.696	0.7	0.06	0.8	<10	E0.05	<0.1	<0.01	2
10.8	27.7	326	0.378	0.4	0.04	13	<10	0.17	E0.1	<0.01	3
9.7	23	249	0.503	1.4	E0.03	0.5	<10	0.09	<0.1	<0.01	<1

HYDROLOGIC DATA FOR OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM

DISCHARGE MEASUREMENTS AT SELECTED SPRINGS AND TUNNELS, WATER YEARS 2000 AND 2001

e, estimated

Site ID	Local Number	Name	Date	Discharge (gallons per minute)
		TOOELE COUNTY		
403636112152401	(C-2-4)26ddd-S1	Rose Spring	10-18-2000	132
			12-13-2000	132
			01-10-2001	132
			02-14-2001	132
			04-11-2001	121
			05-10-2001	110
			07-17-2001	231
403457112113401	(C-3-3) 4ccb	Pass Canyon Tunnel	07-13-2000	113
			10-18-2000	131
			01-09-2001	112
			04-10-2001	111
			07-17-2001	93.9
403309112115501	(C-3-3)17ddc	Bingham West Dip Tunnel	08-15-2000	187
			10-18-2000	179
			01-10-2001	163
			04-10-2001	163
			07-27-2001	156
403109112153003	(C-3-4)35aac- 3	Middle Canyon Weir Box	10-18-2000	289
			12-13-2000	250
			01-17-2001	250
			02-14-2001	216
			03-26-2001	240
			04-10-2001	240
402916112113301	(C-4-3) 9bcd	Utah Metals Tunnel	01-05-1999	435
		reported by:	02-02-1999	435
		Kennecott Utah Copper	02-16-1999	440
			03-08-1999	435
			04-12-1999	400
			05-05-1999	390
			06-15-1999	440
			07-09-1999	480
			07-27-1999	440
			10-01-1999	430
			01-28-2000	410
			02-19-2000	350
			03-29-2000	335
			04-28-2000	325
			06-19-2000	375
			09-06-2000	330
			12-04-2000	300
			05-21-2001	275
			06-25-2001	300

HYDROLOGIC DATA FOR OQUIRRH MOUNTAINS, UTAH, SURFACE- AND GROUND-WATER MONITORING PROGRAM
MONTHLY MEAN DISCHARGES AT SELECTED SPRINGS, TUNNELS, AND MINE WORKINGS, WATER YEARS 2000 AND 2001

Site ID	Local Number	Name	Date	Discharge (gallons per minute)
		SALT LAKE COUNTY		
403139112054601	(C-3-2)29cbd	Bingham Tunnel	01-2000	617
		reported by:	02-2000	617
		Kennecott Utah Copper	03-2000	617
			04-2000	575
			05-2000	575
			06-2000	575
			07-2000	747
			08-2000	747
			09-2000	747
			10-2000	896
			11-2000	896
			12-2000	896
			01-2001	526
			02-2001	526
			03-2001	526
			04-2001	957
			05-2001	993
			06-2001	992
			07-2001	1,000
			08-2001	1,040
			09-2001	1,000
403140112054601	(C-3-2)29cbd-2	Lark Shaft	01-2000	1,390
		reported by:	02-2000	1,300
		Kennecott Utah Copper	03-2000	1,320
			04-2000	1,170
			05-2000	1,390
			06-2000	1,300
			07-2000	1,240
			08-2000	1,310
			09-2000	1,370
			10-2000	1,230
			11-2000	93
			12-2000	1,400
			01-2001	e1,300
			02-2001	e1,300
			03-2001	e1,300
			04-2001	0
			05-2001	0
			06-2001	0
			07-2001	194
			08-2001	816
			09-2001	0
403225112085701	(C-3-3)23cdc-1	North Ore Shoot	01-2000	1,110
		reported by:	02-2000	1,100
		Kennecott Utah Copper	03-2000	1,100
			04-2000	560
			05-2000	0
			06-2000	0
			07-2000	0
			08-2000	0
			09-2000	0
			10-2000	0
			11-2000	0
			12-2000	1,610
			01-2001	0
			02-2001	0
			03-2001	800
			04-2001	800
			05-2001	1,200
			06-2001	e1,610
			07-2001	1,580
			08-2001	1,480
			09-2001	1,450
402923112072301	(C-4-3)12aac	Butterfield Tunnel	01-2000	171
		reported by:	02-2000	171
		Kennecott Utah Copper	03-2000	171
			04-2000	215
			05-2000	215
			06-2000	215
			07-2000	176
			08-2000	183
			09-2000	181
			10-2000	175
			11-2000	198

MONTHLY MEAN DISCHARGES AT SELECTED SPRINGS, TUNNELS, AND MINE WORKINGS, WATER YEARS 2000 AND 2001

Site ID	Local Number	Name	Date	Discharge (gallons per minute)
		SALT LAKE COUNTY--Continued		
402923112072301	(C-4-3)12aac	Butterfield Tunnel—Continued	12-2000	211
			01-2001	195
			02-2001	196
			03-2001	209
			04-2001	210
			05-2001	216
			06-2001	219
			07-2001	181
			08-2001	164
			09-2001	154
		TOOELE COUNTY		
403151112112001	(C-3-3)28bcd-2	Carr Fork Service Shaft	01-2000	2,220
		reported by:	02-2000	2,220
		Kennecott Utah Copper	03-2000	2,220
			04-2000	2,220
			05-2000	2,000
			06-2000	2,000
			07-2000	2,000
			08-2000	2,000
			09-2000	2,000
			10-2000	2,000
			11-2000	2,000
			12-2000	2,000
			01-2001	3,640
			02-2001	3,130
			03-2001	2,370
			04-2001	2,230
			05-2001	1,130
			06-2001	1,250
			07-2001	834
			08-2001	e400
			09-2001	0
403119112154204	(C-3-4)35aba-S4	Middle Canyon Springs	01-2000	281
		(Combined flow of Big	02-2000	300
		and Little Springs)	03-2000	205
		reported by:	04-2000	225
		Tooele City	05-2000	420
			06-2000	589
			07-2000	292
			08-2000	105
			09-2000	33.9
			10-2000	34.5
			11-2000	146
			12-2000	167
			01-2001	147
			02-2001	133
			03-2001	96.3
			04-2001	211
			05-2001	405
			06-2001	658
			07-2001	197
			08-2001	51.2
			09-2001	0
402932112155401	(C-4-4)11baa-S1	Left Hand Fork Settlement	01-2000	645
		Canyon	02-2000	540
		reported by:	03-2000	443
		Tooele City	04-2000	435
			05-2000	225
			06-2000	599
			07-2000	734
			08-2000	915
			09-2000	735
			10-2000	576
			11-2000	598
			12-2000	516
			01-2001	685
			02-2001	516
			03-2001	378
			04-2001	202
			05-2001	451
			06-2001	521
			07-2001	909
			08-2001	271
			09-2001	620

STATION NUMBER & LOCAL IDENTIFIER	DATE	TIME	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	DEPTH OF WELL, TOTAL (FEET) (72008)	BROMIDE DISSOLVED (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)
401012110292101 U(C-3-5)31dcd-1	JUN 26...	1150	8.5	610	20.0	13.9	200	<.01	-113	-14.39
401030110225701 U(C-3-4)31cab-1	JUN 26...	1250	7.3	820	17.5	13.6	70.0	.04	-121	-16.21
401124110305501 U(C-3-6)25cab-1	JUN 28...	1300	--	910	12.0	2.8	120	.04	-142	-18.68
401611110251502 U(C-2-5)35bab-1	JUN 26...	1340	8.7	1010	13.0	19.7	120	.03	-132	-17.37
401919109593201 U(C-2-1)9dad-1	JUN 28...	1050	--	900	17.0	30.4	740	.03	-128	-17.15
402011110260901 U(C-2-5)3bdd-1	JUN 26...	1430	7.8	510	10.5	2.8	--	.02	-115	-15.49
402103110235601 U(C-1-5)36caa-1	JUN 26...	1530	8.0	330	14.5	1.3	--	<.01	-122	-16.35
402119110204201 U(C-1-4)33bdb-1	JUN 26...	1610	6.7	4310	11.5	200	--	.76	-108	-13.37

< Actual value is known to be less than the value shown.

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CALENDAR FOR WATER YEAR 2001

2000

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

NOVEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

2001

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

MARCH

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

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West Valley City, UT 84119