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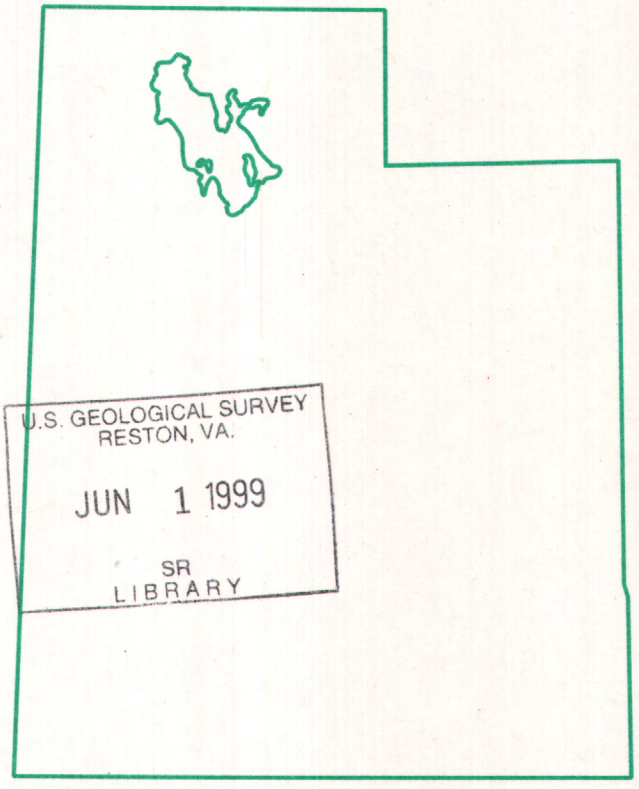
Water Resources Data
Utah
Water Year 1995



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

CALENDAR FOR WATER YEAR 1995

1994

OCTOBER

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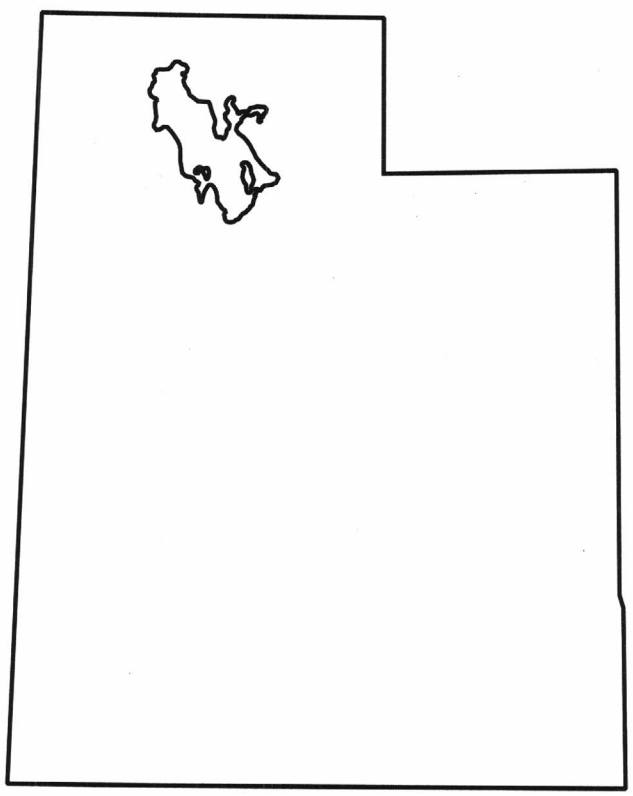
Water Resources Data
Utah
Water Year 1995

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



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

UNITED STATES DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

GEOLOGICAL SURVEY

Gordon Eaton, Director

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1996

PREFACE

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

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

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Water resources data for the 1995 water year for Utah consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and water quality of ground water. This report contains discharge records for 174 gaging stations; stage and contents for 22 lakes and reservoirs; and water quality for 14 hydrologic stations and 186 wells; and water levels for 50 observation wells. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Utah.

14. SUBJECT TERMS

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

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Sevier River near Lynndyl (d)	10224000	269
Oak Creek above Little Creek, near Oak City (d)	10224100	270
BEAVER RIVER BASIN		
Beaver River near Beaver (d)	10234500	271
Beaver River at Adamsville (d)	10237000	272
Minersville Reservoir near Minersville (e)	10238500	273
Beaver River at Rocky Ford Dam, near Minersville (d)	10239000	274
CEDAR CITY VALLEY		
Coal Creek near Cedar City (d)	10242000	275
WEBER RIVER BASIN		
White Pine Canyon near Park City (d)	404039111325700	276
Unnamed Creek (Spring Creek) near Kimball Junction (d)	404339111320300	278

GROUND WATER LEVELS

BEAVER COUNTY	
Well 382020112585901 Local number (C-28-10)28cdd- 1	282
BOX ELDER COUNTY	
Well 414236112101201 Local number (B-11- 3)10abb- 4	282
Well 414411112543701 Local number (B-12- 9)30cda- 1	282
Well 415703112514501 Local number (B-14- 9) 9add- 1	283
IRON COUNTY	
Well 375241112471001 Local number (C-34- 8) 5bca- 1	283
Well 374252113391801 Local number (C-35-16)33bcc- 1	283
Well 373735113393801 Local number (C-36-16)29daa- 1	284
JUAB COUNTY	
Well 395259113430401 Local number (C-11-17)12cbb- 1	284
Well 393143111523301 Local number (C-15- 1)12aba- 1	284
KANE COUNTY	
Well 370915112341301 Local number (C-42-6)18cca-1	285
Well 370650112331002 Local number (C-42-6)32cba-2	285
MILLARD COUNTY	
Well 393046112231301 Local number (C-15- 5)15dad- 1	285
Well 393020112362201 Local number (C-15- 7)23bac- 1	286
Well 385844112245801 Local number (C-21- 5)21aba- 1	286
Well 384906112330601 Local number (C-23- 6)17baa- 1	286
SALT LAKE COUNTY	
Well 403916111575901 Local number (C- 2- 1) 9ccc- 1	287
Well 403452111484301 Local number (D- 3- 1) 2ccc- 1	287
SAN JUAN COUNTY	
Well 375243109191301 Local number (D-33-24)30dab- 1	287
Well 373830109283201 Local number (D-36-22)22daa- 1	288

GROUND WATER LEVELS--Continued

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SUMMIT COUNTY
Well 404357111324200 Local number (D-1-4)18cba-1 288
Well 404333111315800 Local number (D-1-4)18ddc-1 288
TOOELE COUNTY
Well 401312112442301 Local number (C- 7- 8)10cbd- 1 289
UINTAH COUNTY
Well 403158109372201 Local number (D- 3-20)25abc- 2 289
UTAH COUNTY
Well 401818112014501 Local number (C- 6- 2)14aba- 1 289
Well 402333111513401 Local number (D- 5- 1) 8dcc- 1 290
WASATCH COUNTY
Well 403146111272701 Local number (D- 3- 4)26dba- 1 290
Well 403403111253501 Local number (D- 3- 5) 7cdb- 1 290
Well 403325111254601 Local number (D- 3- 5)18cba- 1 291
Well 403305111251901 Local number (D- 3- 5)18dcc- 1 291
Well 403243111252701 Local number (D- 3- 5)19bdd- 2 291
Well 403237111255201 Local number (D- 3- 5)19cbb- 1 292
Well 403127111240301 Local number (D- 3- 5)29cac- 1 292
Well 403149111255601 Local number (D- 3- 5)30bcc- 1 292
Well 403004111280301 Local number (D- 4- 4) 2bcd- 1 293
Well 402955111281101 Local number (D- 4- 4) 2cbb- 1 293
Well 402937111283501 Local number (D- 4- 4) 3dcd- 1 293
Well 402902111282001 Local number (D- 4- 4)10daa- 1 294
Well 402842111263101 Local number (D- 4- 4)12dcc- 1 294
Well 402809111281601 Local number (D- 4- 4)15daa- 1 294
Well 402753111282001 Local number (D- 4- 4)15ddd- 3 295
Well 402742111281501 Local number (D- 4- 4)23bbb- 2 295
Well 402937111214901 Local number (D- 4- 5) 3dcc- 1 295
Well 403003111255801 Local number (D- 4- 5) 6bcc- 2 296
Well 402856111252701 Local number (D- 4- 5) 7cad- 1 296
Well 402834111202601 Local number (D- 4- 5)14aac- 1 296
Well 402840111213801 Local number (D- 4- 5)15aab-1 297
Well 402839111221101 Local number (D- 4- 5)15bab- 1 297
Well 402750111232701 Local number (D- 4- 5)16ccd- 1 297
WEBER COUNTY
Well 411544111461001 Local number (A- 6- 2)18bad- 1 298
Well 411348112013601 Local number (B- 6- 2)26ada-1 298

QUALITY OF GROUND WATER

Beaver County wells 300
Box Elder County wells 300
Cache County wells 300
Davis County wells 300
Duchesne County wells 300
Grand County wells 300
Iron County wells 302
Juab County wells 302
Kane County wells 302
Millard County wells 302
Piute County wells 304
Salt Lake County wells 304
San Juan County wells 304
SanPete County wells 304
Sevier County wells 304
Tooele County wells 306
Utah County wells 306
Washington County wells 306
Wayne County wells 306
Weber County wells 306

Quality of ground water in selected wells in Duchesne County 308

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. Information regarding these stations may be obtained from the District Office at the address given on the back side of the title page of this report.

Station name	Station number	Drainage area (sq mi)	Period of record
COLORADO RIVER BASIN			
Cottonwood Wash at I-70 near Cisco, Ut (d)	09163675	170	1983-86
Twomile Creek near LaSal, Ut (d)	09169000	269	1944-51
Taylor Creek near Gateway, Colorado (d)	09177500	12	1944-67
Deep Creek near Paradox, Colorado (d)	09178000	---	1944-53
TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER			
Geyser Creek near Paradox, Colorado (d)	09178500	---	1944-51
Onion Creek above Onion Creek Bridge near Moab, Ut (d)	09180920	---	1979-81
Onion Creek below Onion Creek Bridge near Moab, Ut (d)	09180970	---	1979-81
Onion Creek near Moab, Ut (d)	09181000	18.8	1950-55
Professor (Rock) Creek near Moab, Ut (d)	09181500	33.6	1950-53
Castle Creek above diversions, near Moab, Ut (d)	09182000	7.58	1951-55 1958-75
Castle Creek near Moab, Ut (d)	09182500	53.1	1950-55 1957-58
Courthouse Wash at Arches Hwy Crossing near Moab, Ut (d)	09182900	143	1959-66
Courthouse Wash near Moab, Ut (d)	09183000	162	1950-55 1957 1966-89
Mill Creek near Moab, Ut (d)	09184000	74.9	1949-71 1972-93
Pack Creek at M4 Ranch, near Moab, Ut (d)	09184500	15.8	1955-59
Pack Creek near Moab, Ut (d)	09185000	57.4	1955-59
Hatch Wash near LaSal, Ut (d)	09185500	378	1951-71
Indian Creek Tunnel near Monticello, Ut (d)	09185800	---	1958-80
Indian Creek near Monticello, Ut (d)	09186000	4.70	1950-57
Indian Creek above Cottonwood Creek near Monticello, Ut (d)	09186500	31.2	1949-71 1988-91
Cottonwood Creek near Monticello, Ut (d)	09187000	115	1950-57
Indian Creek above Harts Draw near Monticello, Ut (d)	09187500	258	1949-57
Indian Creek below Bogus Pocket near Monticello, Ut (d)	09187550	262	1983-88
GREEN RIVER BASIN			
Blacks Fork above Blacks Fork Ranger Station, Ut (d)	09217500	48.8	1937-39
Blacks Fork (at Ranger St) near Robertson, Wy (d)	09217900	126	1937-39 1966-86
Blacks Fork at Blacks Fork Ranger Station, Ut (d)	09218000	a130	1937-39
Green River near Linwood, Ut (d)	09225500	a14,300	1928-63
Middle Fork Beaver Creek near Lonetree, Wy (d)	09226500	a28	1948-70
East Fork Beaver Creek near Lonetree, Wy (d)	09227000	a8.2	1949-62
West Fork Beaver Creek near Lonetree, Wy (d)	09227500	a23	1949-62
Burnt Fork near Burntfork, Wy (d)	09228500	52.8	1943-83
Henrys Fork near Manila (d)	09229500	520	1928-93
Green River at Flaming Gorge near Linwood, Ut (d)	09230500	a14,900	1923-38
Sheep Creek Upper Canal near Manila, Ut (d)	09231000	---	1950-61
Carter Creek Canal near Manila, Ut (d)	09231200	---	1956-61
Sheep Creek Lower Canal near Manila, Ut (d)	09231500	---	1950-61
Sheep Creek near Manila, Ut (d)	09232000	a42	1943-61
Sheep Creek at mouth near Manila, Ut (d)	09232500	111	1947-61
Carter Creek near Manila, Ut (d)	09233000	a19	1949-54
Red Lake Outlet near Manila, Ut (d)	09233500	a19	1946-49
Carter Creek at mouth near Manila, Ut (d)	09234000	a110	1946-55
Red Creek near Dutch John, Ut (d)	09234700	140	1971-76
Green River at (near) Bridgeport, Ut (d)	09235000	a15,700	1912-15

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
GREEN RIVER BASIN--Continued			
Crouse Creek near Vernal, Ut (d)	09235100	30.2	1986-90
Pot Creek above diversions, near Vernal (d)	09235600	24.6	1957-93
Pot Creek near Vernal, Ut (d)	09235800	107	1958-82
Jones Hole Creek near Jensen, Ut (d)	09260500	a120	1950-56
			1960-61
ASHLEY CREEK BASIN			
Brush Creek above cave near Vernal, Ut (d)	09261500	a23	1946-55
Big Brush Creek near Vernal, Ut (d)	09262000	79.6	1940-79
Little Brush Creek below East Pk Res near Vernal, Ut (d)	09262500	a20	1949-55
Little Brush Creek near Vernal, Ut (d)	09263000	a28	1946-52
Brush Creek near Jensen, Ut (d)	09263500	255	1940-65
Ashley Creek below Trout Creek near Vernal, Ut	09264000	a27	1944-54
South Fork Ashley Creek near Vernal, Ut (d)	09264500	a20	1944-55
Oaks Park Canal near Vernal, Ut (d)	09265000	---	1946-69
Ashley Creek above Red Pine Creek near Vernal, Ut (d)	09265300	55.8	1965-75
Ashley Creek above Spring near Vernal, Ut (d)	09265500	a100	1941-45
Ashley Creek Spring near Vernal, Ut (d)	09266000	---	1944-45
			1954-55
U.P.&L. Co.'s Tailrace near Vernal, Ut (d)	09267000	---	1917
			1920-31
Ashley Creek above Dry Fork, near Vernal, Ut (d)	09267100	110	1969-72
Dry Fork above sinks, near Dry Fork, Ut (d)	09268000	44.4	1940-75
North Fork of Dry Fork near Dry Fork, Ut (d)	09268500	8.62	1947-89
Brownie Canyon above sinks, near Dry Fork, Ut (d)	09268900	8.24	1961-89
East Fork of Dry Fork near Dry Fork, Ut (d)	09269000	a12	1947-63
East Fork of Dry Fork at mouth near Dry Fork, Ut (d)	09269500	a18	1950-52
Dry Fork below springs near Dry Fork, Ut (d)	09270000	97.4	1904
			1941-45
			1954-69
Dry Fork at mouth near Dry Fork, Ut (d)	09270500	116	1954-89
Ashley Creek at Sign of the Maine, near Vernal, Ut (d)	09271000	241	1900-04
			1939-65
Highline Canal below Mantle Gulch near Jensen, Ut (d)	09271070	---	1969-72
Steinaker Reservoir near Vernal, Ut (e)	09271300	---	1962-68
River Irrigation Company Canal near Jensen, Ut (d)	09271470	---	1969-72
Ashley Creek near Jensen, Ut (d)	09271500	383	1947-83
TRIBUTARIES BETWEEN ASHLEY CREEK AND DUCHESNE RIVER			
Halfway Hollow Tributary near LaPoint, Ut (d)	09271800	a5.6	1960-74
DUCHESNE RIVER BASIN			
Duchesne Tunnel near Kamas, Ut (d)	09272500	--	1954-69
Duchesne River at Provo River Trail near Hanna, Ut (d)	09273000	a39	1930-33
			1935-54
Duchesne River below Little Deer Creek, near Hanna, Ut (d)	09273200	a39	1965-68
Hades Creek near Hanna, Ut (d)	09273500	a75	1950-68
Duchesne River (North Fork) near Hanna, Ut (d)	09274000	a78	1922-23
			1929-30
			1946-63
West Fork Duchesne River below Vat Diversion near Hanna, Ut (d)	09274900	37.0	1989-94
West Fork Duchesne River below Dry Hollow near Hanna, Ut (d)	09275000	43.8	1950-68
			1974-81
West Fork Duchesne River near Hanna, Ut (d)	09275500	61.6	1945-94
Wolf Creek above Rhoades Canyon near Hanna, Ut (d)	09276000	10.6	1946-84
Wolf Creek near Hanna, Ut	09276500	a19	1922-23
Duchesne River at Hanna, Ut (d)	09277000	a230	1953-61
Comb. flow Duchesne Riv & Duchesne Tunnel nr Tabiona, Ut (d)	09277501	---	1919-67
Rock Creek above South Fork, near Hanna, Ut (d)	09277800	98.9	1965-84
			1988-94

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
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 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	09288400	1,059	1989-94
Strawberry River at Duchesne (Theodore), Ut (d)	09288500	1,066	1908-10
			1915-68
Sowers Creek near Duchesne, Ut (d)	09288900	40.6	1964-86
Antelope Creek near Myton, Ut (d)	09289000	a198	1918-21
Brown Duck Creek near Mountain Home, Ut (d)	09290000	a15	1933-34
			1943-55
Lake Fork River below Taskeech Damsite near Mt Home, Ut (d)	09291200	138	1977-84
Yellowstone Creek below Swift Creek near Altonah, Ut (d)	09291500	a99	1950-55
Yellowstone River at mouth near Altonah, Ut (d)	09293000	142	1943-44
			1976-81
Lake Fork River (below Forks) near Altonah, Ut (d)	09293500	304	1904
			1907-10
			1917-20
			1976-81
Lake Fork River at Hwy 87 near Altamont, Ut (d)	09293600	318	1976-81
Pigeon Water Creek near Altamont, Ut (d)	09293700	95.5	1976-79
Lake Fork River near Upalco, Ut (d)	09294000	427	1943-55
			1976-81
Lake Fork (Creek) near Myton, Ut (d)	09294500	484	1900-03
			1907-36
			1976-81
Uinta River below Gilbert Creek near Neola, Ut (d)	09295500	a33	1951-55
Uinta River above Clover Creek near Neola, Ut (d)	09296000	132	1946-55
Clover Creek near Neola, Ut (d)	09296500	a9.5	1950-55

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
DUCHESNE RIVER BASIN--Continued			
Uinta River near Neola, Ut (d)	09297000	163	1922-27 1930-83
Uinta River near Whiterocks, Ut (d)	09297500	218	1899-1903 1907-10 1917-20
West Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297600	216	1976-81
East Channel Uinta River below diversion works near Whiterocks, Ut (d)	09297700	215	1977-81
East Channel Uinta River at County Road Bridge near Whiterocks, Ut (d)	09297800	253	1976-81
East Channel Uinta River at LaPoint Road near LaPoint, Ut (d)	09297900	382	1976-82
Farm Creek near Whiterocks, Ut (d)	09298000	14.9	1950-81
Whiterocks River above Paradise Creek near Whiterocks, Ut (d)	09298500	a90	1946-55
Paradise Creek near Whiterocks, Ut (d)	09299000	a10	1946-55
Whiterocks River below damsite near Whiterocks, Ut (d)	09299400	110	1976-81
Whiterocks River below Farm Creek Canal near Whiterocks, Ut (d)	09299600	120	1976-81
Whiterocks River 1 mile east of Whiterocks, Ut (d)	09299700	124	1976-81
Deep Creek at State Hwy 246 near LaPoint, Ut (d)	09299900	72.2	1976-79
Deep Creek near LaPoint, Ut (d)	09300000	a75	1943-45 1950-55
Uinta River at Fort Duchesne, Ut (d)	09300500	557	1899-1904 1907-10 1917-20 1943-58 1976-81
Dry Gulch near Neola, Ut (d)	09301000	a67	1951-58
Dry Gulch near Fort Duchesne, Ut (d)	09301200	469	1976-81
Uinta River at Randlett, Ut (d)	09301500	1,064	1899-1904 1976-81
WHITE RIVER BASIN			
White River near Colorado State Line, Ut (d)	09306395	3,680	1977-86
White River above Hells Hole Canyon near Watson, Ut (d)	09306400	a3,700	1974-76
Hells Hole Canyon Creek at mouth near Watson, Ut (d)	09306405	24.5	1975-83
Evacuation Creek above Missouri Creek near Dragon, Ut (d)	09306410	100	1975-83
Evacuation Creek below Park Canyon near Watson, Ut (d)	09306415	246	1975-76
Thimble Rock Canyon near Watson, Ut (d)	09306417	1.7	1975-76
Evacuation Creek at Watson, Ut (d)	09306420	259	1975-75
Evacuation Creek Tributary near Watson, Ut (d)	09306425	12.4	1974-76
Evacuation Creek near mouth near Watson, Ut (d)	09306430	284	1975-81
White River below Southam Canyon near Watson, Ut (d)	09306600	a4,030	1975-76
Southam Canyon Wash near Watson, Ut (d)	09306605	2.5	1974-76
Southam Canyon Wash at mouth near Watson, Ut (d)	09306610	8.3	1974-76
Asphalt Wash below Center Fork near Watson, Ut (d)	09306620	94.4	1975-76
Asphalt Wash near mouth near Watson, Ut (d)	09306625	97.5	1974-83
White River below Asphalt Wash near Watson, Ut (d)	09306700	a4,130	1974-77
Bitter Creek above Dick Canyon near Watson, Ut (d)	09306740	11.7	1975-78
Sweetwater Canyon below South Canyon near Watson, Ut (d)	09306760	22.6	1975-78
Sweetwater Canyon Creek near mouth near Watson, Ut (d)	09306780	124	1975-78
Bitter Creek near Bonanza, Ut (d)	09306800	324	1971-89
Bitter Creek at mouth near Bonanza, Ut (d)	09306850	398	1975-83
Sand Wash near Ouray, Ut (d)	09306870	59.7	1975-81
Sand Wash at mouth near Ouray, Ut (d)	09306872	71.1	1977-81
Coyote Wash near mouth near Ouray, Ut (d)	09306878	228	1977-83
North Wash near Ouray, Ut (d)	09306880	11.0	1980-81
Cottonwood Wash near mouth near Ouray, Ut (d)	09306885	70.6	1977-81
White River at mouth near Ouray, Ut (d)	09306900	5,120	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER			
Green River near Ouray, Ut (d)	09307000	a35,500	1948-66
Pariette Draw near Ouray, Ut (d)	09307200	153	1976-84
Combined Flow Pariette Draw at mouth and Lambs Diversion (d)	09307290	---	1978-80

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER--Continued			
Lambs Diversion from Pariette Draw near Ouray, Ut (d)	09307295	---	1978-82
Pariette Draw at mouth near Ouray, Ut (d)	09307300	298	1975-84
Willow Creek above diversions near Ouray, Ut (d)	09307500	297	1951-55
			1958-70
			1975-83
Hill Creek above Towave Reservoir near Ouray, Ut (d)	09307800	89.7	1975-81
Hill Creek near mouth near Ouray, Ut (d)	09307900	288	1975-81
Willow Creek near Ouray, Ut (d)	09308000	897	1948-55
			1975-83
Minnie Maud Creek near Myton, Ut (d)	09308500	32.0	1950-55
			1957-89
Minnie Maud Creek at Nutter Ranch near Myton, Ut (d)	09309000	231	1948-55
PRICE RIVER BASIN			
Fairview Ditch near Fairview, Ut (d)	09309500	---	1950-65
Gooseberry Creek near Fairview, Ut (d)	09309800	a7.51	1960-69
Boardinghouse Creek at mouth near Scofield, Ut (d)	09310575	2.04	1983-84
Eccles Canyon near Scofield, Ut (d)	09310600	5.5	1980-84
Price River near Scofield, Ut (d)	09311500	a155	1918-21
			1925-31
			1939-69
			1979-80
Price River near Soldier Summit, Ut (d)	09311700	a180	1962-63
North Fork White River near Soldier Summit, Ut (d)	09312000	23.3	1942-47
White River near Soldier Summt, Ut (d)	09312500	52.8	1938-67
Beaver Creek near Soldier Summit, Ut (d)	09312700	26.1	1961-89
Willow Creek near Castle Gate, Ut (d)	09312800	62.8	1963-89
Willow Creek at Castle Gate, Ut (d)	09312900	77.4	1980-81
Spring Canyon below Sowbelly Gulch at Helper, Ut (d)	09313040	23.0	1979-81
Price River near Helper, Ut (d)	09313500	a530	1904-34
Coal Creek near Helper, Ut (d)	09313965	25.3	1978-81
Soldier Creek below Mine near Wellington, Ut (d)	09313975	17.7	1978-84
Dugout Creek near Sunnyside, Ut (d)	09313985	5.8	1980-81
Price River near Wellington, Ut (d)	09314000	853	1950-58
Price River below Miller Creek near Wellington, Ut (d)	09314250	956	1972-86
Desert Seep Wash near Wellington, Ut (d)	09314280	191	1972-86
Grassy Trail Creek at Sunnyside, Ut (d)	09314340	40.1	1978-85
Horse Canyon near Sunnyside, Ut (d)	09314374	12.5	1978-81
Price River at Woodside, Ut (d)	09314500	1,540	1909-10
			1911
			1945-92
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER			
Saleratus Wash at Green River, Ut (d)	09315500	a180	1949-70
Browns Wash near Green River, Ut (d)	09316000	a75	1950-68
Floy Wash near Green River, Ut (d)	09316100	56.6	1983-86
Boulger Creek near Fairview, Ut (d)	09317000	a1.9	1938-40
			1942-49
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

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			
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
Fremont River near Frement, Ut (d)	09329500	205	1949-58
Pine Creek near Bicknell, Ut (d)	09329900	104	1965-80
Plesant Creek near Caineville, Ut (d)	09330210	115	1969-72
Bull Creek near Hanksville, Ut (d)	09330410	7.53	1983-91
Muddy Creek (Lower Station) near Emery, Ut (d)	09331000	114	1911-14
Ivie Creek above diversions near Emery, Ut (d)	09331500	a50	1951-61
Convulsion Canyon near Emery, Ut (d)	09331850	21.6	1981-84
Quitchupah Creek near Emery, Ut (d)	09331900	104	1978-81
Christiansen Wash near Emery, Ut (d)	09331950	13.6	1978-84
Muddy Creek below I-70 near Emery, Ut (d)	09332100	418	1973-86
Muddy Creek below Ivie Creek near Emery, Ut (d)	09332500	a440	1950-61
Muddy Creek at Delta Mine near Hanksville, Ut (d)	09332700	841	1975-86
Muddy Creek at mouth near Hanksville, Ut (d)	09332800	1,552	1976-80
Dirty Devil River near Hanksville, Ut (d)	09333000	a3,490	1946-48
Dirty Devil River above Poison Spring Wash, near Hanksville (d)	09333500	4,159	1948-93
North Wash near Hanksville, Ut (d)	09334000	136	1951-70
White Canyon near Hanksville (Hite), Ut (d)	09334500	276	1951-70
Colorado River at Hite, Ut (d)	09335000	a76,600	1948-58
ESCALANTE RIVER BASIN			
North Creek near Escalante, Ut (d)	09335500	a90	1950-55
Birch Creek near Escalante, Ut (d)	09336000	a36	1950-51
Birch Creek at mouth near Escalante, Ut (d)	09336500	a100	1952-55
East Fork Boulder Creek near Boulder, Ut (d)	09338000	21.4	1951-55, 1958-72
East Fork Deer Creek near Boulder, Ut (d)	09338500	a1.9	1950-55
Boulder Creek (below Deer Creek) near Boulder, Ut (d)	09339000	a175	1950-55
Escalante River at mouth near Escalante, Ut (d)	09339500	a1,770	1951-55
SAN JUAN RIVER BASIN			
McElmo Creek near Bluff, Ut (d)	09372200	---	1981-82
Spring Creek above diversions near Monticello, Ut (d)	09376900	4.95	1966-72
Davenport and Campbell Canal near Monticello, Ut (d)	09377500	---	1914-16
Spring (Vaga) Creek near Monticello, Ut (d)	09377000	a8.5	1914-16
Green Canal near Monticello, Ut (d)	09378000	---	1914-16
North Creek above Ranger Station near Monticello, Ut (d)	09378100	8.68	1980-85
Montezuma Creek at Golf Course, at Monticello, Ut (d)	09378200	17.6	1979-92
Montezuma Creek near Bluff, Ut (d)	09378600	1,154	1985-93

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SAN JUAN RIVER BASIN--Continued			
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
Colorado plus Green plus San Juan (temp) (d)	09379505	---	1928-84
COLORADO RIVER TRIBUTARIES BELOW GLEN CANYON DAM			
Henrieville Creek near Henrieville, Ut (d)	09381000	a29	1950-55
Paria River near Cannonville, Ut (d)	09381500	a220	1951-55
Mill Creek above study area near Glendale, Ut (d)	09403620	4.81	1976-77
Skutumpah Creek below study area near Glendale, Ut (d)	09403630	16.0	1976-77
Intermediate Drainage near Glendale, Ut (d)	09403640	2.49	1976-77
Thompson Creek above study area near Glendale, Ut (d)	09403650	9.80	1976-77
Thompson Creek below study area near Glendale, Ut (d)	09403660	16.6	1976-77
VIRGIN RIVER BASIN			
Deep Creek near Cedar City, Ut (d)	09405200	6.72	1987-93
East Fork Deep Creek near Cedar City, Ut (d)	09405250	7.82	1987-93
Crystal Creek near Cedar City, Ut (d)	09405300	10.2	1957-61
North Fork Virgin River near Glendale, Ut (d)	09405400	5.65	1973-78
North Fork Virgin River below Bulloch Canyon near Glendale, Ut (d)	09405420	29.6	1975-84
North Fork Virgin River above Zion Narrows near Glendale, Ut (d)	09405450	45.5	1979-84
North Fork Virgin River above Big Bend near Springdale, Ut (d)	09405490	311	1991-94
Springdale Canal near Springdale, Ut (d)	09405499	---	1969-89
North Creek near Virgin, Ut (d)	09405900	110	1984-93
LaVerkin Creek near LaVerkin, Ut (d)	09406150	91.3	1984-91
Kanarra Creek at Kanarraville, Ut (d)	09406300	9.85	1960-82
Ash Creek near New Harmony, Ut (d)	09406500	a135	1939-48
Ash Creek Reservoir near New Harmony, Ut (e)	09406600	---	1973-82
South Ash Creek below Mill Creek near Pintura, Ut (d)	09406700	11.0	1966-82
Ash Creek above Toquerville, Ut (d)	09407000	201	1941-42, 1984-91
West Field Ditch at Toquerville, Ut (d)	09407150	---	1973-82
Ash Creek below West Field Ditch at Toquerville, Ut (d)	09407200	201	1973-82
Ash Creek below diversion dam at Toquerville, Ut (d)	09407201	---	1973-82
Ash Creek near Toquerville, Ut (d)	09407600	213	1956-58
Ash Creek near LaVerkin, Ut (d)	09407800	215	1957-58
Virgin River above Quail Creek near Hurricane, Ut (d)	09408135	1,381	1989-90, 1992-93
Virgin River near Hurricane, Ut (d)	09408150	1,499	1967-89
Fort Pierce Wash near St. George, Ut (d)	09408195	1,349	1985-89
Santa Clara River near Central, Ut (d)	09409000	a97	1909-30, 1939-61
Moody Wash near Veyo, Ut (d)	09409500	a33	1939-42, 1955-69
Santa Clara River above Winsor Dam near Santa Clara, Ut (d)	09410000	338	1942-71
Santa Clara River near Santa Clara, Ut (d)	09410400	410	1965-74
Santa Clara River (Creek) near St. George, Ut (d)	09412500	502	1909-13
Virgin River near St. George, Ut (d)	09413500	3,961	1951-57
Beaver Dam Wash at Beaver Dam, Az (d)	09414900	575	1993-94
THE GREAT BASIN			
Great Salt Lake at Promontory Point, Ut (e)	10010050	---	1975-82
Great Salt Lake at AIC near Syracuse, Ut (e)	10010300	---	1975-82
BEAR RIVER BASIN			
East Fork Bear River near Evanston, Wy (d)	10010400	34.6	1974-86
Hilliard East Fork Canal near State Line near Evanston, Wy (d)	10010500	---	1944-47, 1953-56
West Fork Bear River at Whitney Dam, near Oakley, Ut (d)	10011200	a7.5	1964-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
West Fork Bear River below Deer Creek near Evanston, Wy (d)	10011400	52.2	1974-86
Mill Creek at Utah-Wyoming State Line (d)	10012000	a59	1950-62
Mill Creek near Evanston, Wy (d)	10012500	60.6	1942-48
Bear River above Sulphur Creek near Evanston, Wy (d)	10014000	282	1946-56
Sulpher Creek below reservoir, near Evanston, Wy (d)	10015900	69.2	1958-92
Sulpher Creek near Evanston, WY (d)	10016000	80.5	1942-59
Bear River at Millis, near Evanston, Wy (d)	10016500	a420	1942-46
Yellow Creek near Evanston, Wy (d)	10017000	a80	1943-45
			1950-78
Coyote Creek near Evanston, Wy (d)	10017500	a28	1942-45
Bear River near Evanston, Wy (d)	10019000	715	1913-56
Chapman Canal at State Line near Evanston, Wy (d)	10019500	---	1942-86
Bear River near Woodruff, Ut (d)	10020500	a870	1943-61
Woodruff Creek below reservoir near Woodruff, Ut (d)	10020900	50.0	1971-86
Woodruff Creek near Woodruff, Ut (d)	10021000	a65	1938-43
			1950-75
Birch Creek near Woodruff, Ut (d)	10021500	a17	1949-56
Randolph Creek near Randolph, Ut (d)	10024000	30.3	
Otter Creek near Randolph, Ut (d)	10025000	36.2	1939-44
Bear River near Randolph, Ut (d)	10026500	1,616	1943-92
Rock Creek near Fossil, Wy (d)	10026800	49.0	1961-66
Twin Creek at Sage, Wy (d)	10027000	246	1946-62
Bear River below Pixley Dam near Cokeville, Wy (d)	10028500	2,032	1941-43
			1952-56
			1958
Bear River above Sublette Creek near Cokeville, WY (d)	10029500	a2,110	1948-55
Smiths Fork above Hobble Creek near Geneva, Id (d)	10031000	---	1944-46
Hobble Creek near Geneva, Id (d)	10031500	86.1	1943-46
Coal (Howland) Creek near Cokeville, Wy (d)	10032500	---	1944-48
			1953-56
Muddy Creek above Mill Creek near Cokeville, Wy (d)	10032700	20.7	1964-69
Mill Creek near Cokeville, Wy (d)	10032800	8.07	1965-69
Grade Creek near Cokeville, Wy (d)	10033000	---	1944-48
Pine Creek above Diversions near Cokeville, Wy (d)	10033500	---	1944-48
			1953-56
Pine Creek above Covey Canal near Cokeville, Wy (d)	10034500	---	1944-48
			1953-56
Smiths Fork at Cokeville, Wy (d)	10035000	275	1942-52
Spring Creek to Collette Creek near Cokeville, Wy (d)	10036000	---	1944-45
			1953-56
Birch Creek near Cokeville, Wy (d)	10036500	---	1944-45
Hickman Canal near Cokeville, Wy (d)	10037000	---	1944-48
George Bourne Canal near Cokeville, Wy (d)	10037500	---	1944-48
Thomas Fork near Geneva, Id (d)	10040000	45.3	1939-51
Salt Creek near Geneva, Id (d)	10040500	37.6	1939-51
Thomas Fork near Wyoming-Idaho state line (d)	10041000	113	1949-92
Thomas Fork above Diversions near Geneva, Id (d)	10041500	---	1944-46
Thomas Fork near Raymond, Id (d)	10042500	202	1942-52
Bear River at Harer, Id (d)	10044000	2,839	1913-86
Dingle Inlet Canal near Dingle, Id (d)	10044300	--	1911-92
Bear River at Dingle, Id (d)	10044500	a2,810	1903-14
Bear River below Stewart Dam near Montpelier, Id (d)	10046500	2,853	1922-92
Montpelier Creek near Montpelier, Id (d)	10047000	28.2	1939-44
Montpelier Creek below Diversions at Montpelier, Id (d)	10048500	---	1944-47
St. Charles Creek above Diversions near St. Charles, Id (d)	10054600	17.4	1944-45
			1961-66
Bloomington Creek near Bloomington, Id (d)	10058500	22.1	1942-47
Bloomington Creek at Bloomington, Id (d)	10058600	24.0	1960-86
Paris Power Canal near Paris, Id (d)	10060000	---	1943-47
Paris Creek near Paris, Id (d)	10060500	18.6	1943-47

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
Slight Canyon Creek near Pairs, Id (d)	10062000	6.81	1943-45
Mill Creek above West Fork near Liberty, Id (d)	10062500	18.4	1944-47
Mill Creek near Liberty, Id (d)	10063000	27.2	1943-47
Bear River at Pescadero, Id (d)	10068500	3,705	1921-54
Georgetown Creek near Georgetown, Id (d)	10069000	22.2	1911-14
			1939-56
Georgetown Creek below diversions at Georgetown, Id (d)	10070500	---	1944-47
Skinner Creek at Nounan, Id (d)	10071500	5.41	1939-45
Stauffer Creek near Nounan, Id (d)	10072000	---	1939-44
Eightmile Creek near Soda Springs, Id (d)	10072800	22.6	1960-86
Eightmile Creek below Diversions near Soda Springs, Id (d)	10073500	31.0	1944-47
Bear River at Soda Springs, Id (d)	10075000	3,972	1896-98
			1925-44
			1944-49
			1953
Soda Creek at Fivemile Meadow near Soda Springs, Id (d)	10076400	a49	1964-86
Soda Creek at Lau Ranch near Soda Springs, Id (d)	10076500	a49	1923-26
Soda Creek near Soda Springs, Id (d)	10077000	54.6	1913-26
			1928-29
Soda Creek below Diversions at Soda Springs, Id (d)	10078000	---	1945-47
Treasureton Canal near Swan Lake, Id (d)	10083500	---	1939-46
Cottonwood Creek near Swan Lake, Id (d)	10084000	42.6	1939-46
Cottonwood Creek near Cleveland, Id (d)	10084500	61.7	1938-86
Mink Creek Canal near Mink Creek, Id (d)	10087000	---	1949-52
Mink Creek below Dry Fork near Mink Creek, Id (d)	10087500	19.3	1947-52
			1955-62
Twin Lakes Canal near Mink Creek, Id (d)	10088000	---	1943-52
Preston Riverdale and Mink Creek Canal near Mink Creek, Id (d)	10088500	---	1943-52
Mink Creek near Mink Creek, Id (d)	10089500	58.7	1943-52
Bear River near Preston (at Battlecreek), Id (d)	10090500	4,545	1889-1919
			1944-45
			1981-86
Deep Creek near Clifton, Id (d)	10091200	107	1966-78
Bear River near Weston, Id (d)	10091500	4,880	1919-44
Weston Creek at Weston, Id (d)	10092000	a63	1942-44
Cub River Irrigation Company Pump Canal near Weston, Id (d)	10092500	---	1934-44
Cub River near Preston, Id (d)	10093000	19.4	1940-52
			1955-86
Cub River-Worm Creek Canal near Preston, Id (d)	10094000	---	1943-52
Preston-Whitney Canal near Preston, Id (d)	10095000	---	1944-45
			1946-52
Cub River Canal near Preston, Id (d)	10095500	---	1944-52
East Branch Cub River Canal near Lewiston, Ut (d)	10095900	---	1962-63
Cub River above Maple Creek near Franklin, Id (d)	10096000	53.7	1940-52
Maple Creek near Franklin, Id (d)	10096500	21.2	1946-52
Worm Creek near Preston, Id (d)	10098500	11.0	1943-46
High Creek near Richmond, Ut (d)	10099000	16.2	1944-52
			1971-72
			1978-89
Cub River near Richmond, Ut (d)	10102200	a200	1962-63
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

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
BEAR RIVER BASIN--Continued			
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) (Blacksmith Fork Municipal Powerplant Race)	10113000	---	1904-10 1914-17
Blacksmith Fork at U.P. & L. Plant near Hyrum, Ut (d)	10114000	---	1914-16
Blacksmith Fork below U.P. & L. Plant near Hyrum, Ut (d) (Blacksmith Fork at Hyrum)	10114500	286	1900-02 1904-10 1914-16
Logan River below Blacksmith Fork near Logan, Ut (d)	10115200	524	1964-80
Clarkston Creek near Newton, Ut (d)	10115500	a43	1939-47
Cutler Reservoir at Cache Junction, Ut (e)	10116000	---	1944-50
West Canal above Salt Creek diversion near Tremonton, Ut (d)	10117510	---	1980-84 1986
West Canal below Salt Creek diversion near Tremonton, Ut (d)	10117530	---	1980-84 1986
Malad River below Springs near Malad City, Id (d)	10118200	a3.3	1931-32 1940-47
Warm Springs Canal near Samaria, Id (d)	10118300	---	1940-45
Malad River near Samaria, Id (d)	10118400	a31	1941-45
Little Malad River above Elkhorn Reservoir near Malad, Id (d)	10119000	a120	1911-13
Elkhorn Reservoir near Malad City (near Malad), Id (e)	10119500	153	1940-53
Little Malad River below Elkhorn Reservoir near Malad, Id (d)	10120000	153	1940-53
Little Malad River below Sand Ridge Dam near Malad, Id (d)	10120500	223	1945-51
Devil Creek above Campbell Creek near Malad City, Id (d)	10122500	a13	1938-61
Devil Creek above Evans Dividers near Malad City, Id (d)	10123000	a36	1940-43 1946-53
Devil Creek near Malad City (near Malad), Idaho (d)	10123500	a39	1931-40
Deep Creek below First Creek near Malad City, Id (d)	10125000	a32	1931-48
Malad River at Woodruff, Id (d)	10125500	a485	1938-82
Malad river near Plymouth, Ut (d)	10125600	a632	1964-80
Bear River Duck Club near Bear River City, Ut (d)	10125700	---	1964-73
Malad River blw Bear River Duck Club Canal nr Bear River City, Ut (d)	10125800	a698	1964-74
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER			
Sulphur Creek near Corrinne, Ut (d)	10126180	15.4	1972-86
Box Elder Creek at Mantua, Ut (d)	10126400	14.0	1960-63
Box Elder Creek near Brigham City, Ut (d)	10126500	33.4	1918-21
Box Elder Creek at Brigham City, Ut (d)	10127000	34.2	1909-12
Salt Spring near Tremonton, Ut (d)	10127040	---	1979-86
Salt Creek below Salt Spring near Tremonton, Ut (d)	10127050	---	1979-86
Black Slough near Brigham City, Ut (d)	10127100	31.1	1972-86
Highway 83 Culverts (d)	10127107	---	1980-86
Sulphur Creek & Black Slough (d)	10127108	---	1980-86
Culverts & Sulphur Creek & Black Slough (d)	10127109	---	1980-86
Bear River Basin outflow across State Hwy 83 near Corinne, Ut (d)	10127110	---	1972-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
WEBER RIVER BASIN			
Smith and Morehouse Creek near Oakley, Ut (d)	10128000	33.8	1947
			1976-86
South Fork Weber River near Oakley, Ut (d)	10128200	a16	1965-74
Weber Provo Diversion Canal at Oakley, Ut (d)	10129000	---	1931-69
Weber River near Peoa, Ut (d)	10129300	296	1957-77
Crandall Creek near Peoa, Ut (d)	10129350	11.8	1963-73
East Fork Chalk Creek near Coalville, Ut (d)	10130700	a35	1965-74
Lost Creek at Croydon, Ut (d)	10132900	a220	1966-67
Lost Creek at Devils Slide (near Croydon), Ut (d)	10133000	223	1905
			1921-33
Weber River at Devils Slide, Ut (d)	10133500	1,192	1905-55
Threemile Creek near Park City, Ut (d)	10133700	2.68	1964-74
			1982-84
East Canyon Creek near Park City, Ut (d)	10133900	68.9	1982-84
Hardscrabble Creek near Porterville, Ut (d)	10135000	28.0	1937-40
			1941-70
East Canyon Creek below diversions near Morgan, Ut (d)	10135500	---	1951-55
Weber River near Morgan, Ut (d)	10136000	a1,500	1951-55
Weber River at Ogden, Ut (d)	10137000	a1,670	1951-58
Causey Reservoir near Huntsville, Ut (e)	10137290	92.2	1966-68
South Fork Ogden River below Causey Dam near Huntsville, Ut (d)	10137300	92.3	1966-67
South Fork Ogden River at Huntsville, Ut (d)	10137600	a170	1937-57
			1959-65
North Fork Ogden River near Eden, Ut (d)	10137680	6.03	1964-74
North Fork River near Huntsville, Ut (d)	10137700	61.4	1960-65
Middle Fork Ogden River above diversion near Huntsville, Ut (d)	10137780	31.3	1964-74
Middle Fork Ogden River at Huntsville, Ut (d)	10137800	32.9	1958-65
Spring Creek at Huntsville, Ut (d)	10137900	a7.2	1958-65
Ogden River near Ogden, Ut (d)	10139500	321	1904-12
			1931-59
Ogden River below Pineview Dam near Ogden, Ut (d)	10140000	321	1937-59
Ogden River at Powder Mill near Ogden, Ut (d)	10140500	a360	1889-90
			1897-98
Willard Bay Reservoir near Plain City, Ut (e)	10408000	---	1965-81
Hooper Slough near Hooper, Ut (d)	10141040	13.0	1975-83
South Fork Weber Canal near Hooper, Ut (d)	10141050	---	1972-76
South Fork Weber River near Hooper, Ut (d)	10141100	---	1972-75
Middle Fork Weber River near Hooper, Ut (d)	10141150	---	1971-75
North Fork Weber River near Hooper, Ut (d)	10141200	---	1971-75
TRIBUTARIES TO GREAT SALT LAKE BETWEEN WEBER RIVER AND JORDAN RIVER			
Storm Drain at 1700 N. 475 W., Sunset, Ut (d)	10141395	0.28	1948-83
Howard Slough at Hooper, Ut (d)	10141400	---	1952-55
			1972-84
Holmes Creek near Kaysville, Ut (d)	10141500	2.49	1951-66
Farmington Creek above diversions near Farmington, Ut (d)	10142000	10.0	1950-71
Ricks Creek above diversions, near Centerville, Ut (d)	10142500	2.35	1951-66
Parrish Creek above diversions near Centerville, Ut (d)	10143000	2.08	1950-68
Centerville Creek above diversions near Centerville, Ut (d)	10143500	3.15	1950-80
Stone Creek above diversions near Bountiful, Ut (d)	10144000	4.48	1951-66
Mill Creek at Mueller Park near Bountiful, Ut (d)	10145000	8.88	1951-68
Storm Drain east of Orchard Drive at Bountiful, Ut (d)	10145125	0.80	1949-83
Storm Drain to Mill Creek, 620 S. 200 W., Bountiful, Ut (d)	10145126	0.28	1949-83
Salt Creek near Nephi, Ut (d)	10145500	a95	1925-38
JORDAN RIVER BASIN			
Salt Creek at Nephi, Ut (d)	10146000	95.6	1951-80
Currant Creek near Goshen, Ut (d)	10146500	303	1954-60
Summit Creek near Santaquin, Ut (d)	10147000	19.2	1911-16
		14.6	1955-66

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
Payson Creek above diversions, near Payson, Ut (d)	10147500	18.8	1948-62
Payson Creek (Peteetneet Creek) near Payson, Ut (d)	10148000	25.6	1910-16
Nebo Creek near Thistle, Ut (d)	10148400	36.7	1964-73
Spanish Fork at Thistle, Ut (d)	10148500	450	1908-25
			1932-74
Diamond Fork near Thistle, Ut (d)	10150000	141	1908-17
			1940-55
U.S. Bureau of Reclamation Power Canal near Spanish Fork, Ut (d)	10151000	---	1909-17
Spanish Fork near Spanish Fork, Ut (d)	10151500	a670	1909-17
Spanish Fork near Lakeshore, Ut (d)	10152000	675	1904-07
			1909-25
			1938-88
Spanish Fork at mouth near Lake Shore, Ut (d)	10152001	---	1978-82
Hobble Creek near Springville, Ut (d)	10152500	105	1904-16
			1945-74
Maple Creek near Mapleton, Ut (d)	10152700	3.13	1965-72
Maple Creek near Springville, Ut (d)	10153000	10.8	1912-13
Provo River near Kamas, Ut (d)	10153500	29.6	1950-69
Shingle Creek near Kamas, Ut (d)	10154000	a8.4	1963-73
Snake Creek near Charleston, Ut (d)	10156000	38.6	1938-50
Provo River below Jordanelle Dam, near Heber, Ut (d)	10155100	252	1991-94
Round Valley Creek near Wallsburg, Ut (d)	10158500	71.9	1938-50
Deer Creek near Wildwood, Ut (d)	10160000	a26	1939-50
Provo River near Wildwood, Ut (d)	10160500	574	1939-49
North Fork Provo River at Wildwood, Ut (d)	10160800	12.3	1965-74
Provo River at Vivian Park, Ut (d)	10161000	598	1912-63
South Fork Provo River at Vivian Park, Ut (d)	10161500	33.4	1912-62
Provo River above Telluride Power Co. Dam near Provo, Ut (d)	10162000	a640	1905-11
Provo River at mouth of canyon near Provo, Ut (d)	10162500	a640	1889-1906
Rock Creek Overflow east of Highway 189 near Provo, Ut (d)	10162850	0.66	1948-83
South Fork of American Fork near American Fork, Ut (d)	10164000	8.87	1912-14
American Fork (River) near American Fork, Ut (d)	10165000	a66	1889-90
			1897
			1900-01
			1903-05
Dry Creek near Alpine, Ut (d)	10165500	9.82	1948-55
Fort Creek at Alpine, Ut (d)	10166000	6.55	1947-55
Utah Lake near Lehi (at Geneva) (near Spanish Fork), Ut (e)	10166500	2,965	1883-1960
Jordan River Station No. 1 at Narrows, Ut (d)	10167001	---	1980-83
East Jordan Canal at Jordan Narrows near Bluffdale, Ut (d)	10167100	---	1980-83
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut (US) (d)	10167105	---	1980-82
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut (DS) (d)	10167106	---	1980-82
East Jordan Canal at pumphouse at 6200 So. near Murray, Ut (d)	10167115	---	1980-82
Upper Canal at 5800 South (Tolcate Lane) near Murray, Ut (d)	10167122	---	1980-82
Upper Canal at Wild Rose Lane near Salt Lake City, Ut (d)	10167125	---	1980-82
Upper Canal at Mill Creek (2000 East) near Salt Lake City, Ut (d)	10167127	---	1980-81
Jordan & Salt Lake Canal at Little Cottonwood Creek nr SLC, Ut (US) (d)	10167141	---	1980-82
Jordan & Salt Lake Canal at Little Cottonwood Creek nr SLC, Ut (DS) (d)	10167142	---	1980-82
Jordan & Salt Lake Canal at Big Cottonwood Creek nr Murray, Ut (US) (d)	10167145	---	1980-81
Jordan & Salt Lake Canal at Big Cottonwood Creek nr Murray, Ut (DS) (d)	10167146	---	1980-81
Jordan & Salt Lake Canal at Mill Creek near Salt Lake City, Ut (US) (d)	10167147	---	1980-82
Jordan & Salt Lake Canal at Mill Creek near Salt Lake City, Ut (DS) (d)	10167148	---	1980-82
Jordan & Salt Lake Canal at Zenith Ave near Salt Lake City, Ut (d)	10167149	---	1980-81
Utah & Salt Lake Canal at Jordan Narrows near Bluffdale, Ut (d)	10167160	---	1980-83
Jordan River at 9400 South near South Jordan, Ut (d)	10167200	q3,130	1965-67
Bells Canyon Conduit 1000 East 110000 South (d)	10167220	---	1948-81
			1982-86
Jordan River at 90th South near Midvale, Ut (d)	10167230	q3,130	1980-84
			1986-89

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
90th South Conduit at Jordan River near Midvale, Ut (d)	10167240	---	1980-84
I-215 Median Drain at Jordan River near Murray, Ut (d)	10167242	0.20	1948-83, 1984-86
Jordan River at 5800 South near Salt Lake City, Ut (d)	10167300	q3,254	1965-68, 1980-85
Little Cottonwood Creek (channel) near Salt Lake City, Ut (d)	10167499	---	1980-88
Little Cottonwood Creek near Salt Lake City, Ut (d)	10167500	27.4	1898-99, 1904-68, 1980
Little Cottonwood Creek at 2050 East near Salt Lake City, Ut (d)	10167700	35.2	1963-67, 1979-81, 1983-87
Little Cottonwood Creek at Crestwood Park at Salt Lake City, Ut (d)	10167800	---	1987-89
Little Cottonwood Creek at Jordan River near Salt Lake City, Ut (d)	10168000	---	1980-84, 1987-88
Big Cottonwood Creek (Cottonwood Creek) near Salt Lake City, Ut (d)	10168500	50.0	1898-1967
Big Cottonwood Creek at 5550 South near Salt Lake City, Ut (d)	10168800	57.3	1964-68, 1980-89
Neffs Creek above Wasatch Boulevard near Salt Lake City, Ut (d)	10168832	---	1984-86
Spring Run at 9th East & 48th South near Murray, Ut (d)	10169000	---	1933-35
Big Cottonwood Creek at Jordan River near Salt Lake City, Ut (d) (at 2nd West near Murray, Ut)	10169500	a78	1933-35, 1980-82, 1987-88
Mill Creek above Elbow Fork near Salt Lake City, Ut (d)	10169800	7.7	1964-68
Mill Creek near Salt Lake City, Ut (d)	10170000	21.7	1964-68, 1980
Boundry Springs near Salt Lake City, Ut (d)	10170001	---	1963-67
Mill Creek at 2200 East near Salt Lake City, Ut (d)	10170200	22.6	1963-67
Mill Creek at Jordan River near Salt Lake City, Ut (d)	10170250	a32	1984, 1986-88
Combined flow Jordan River and Surplus Canal at Salt Lake City, Ut (d)	10170490	---	1943-89
North Point Canal below Goss Flume at Salt Lake City, Ut (d)	10170700	---	1963-67, 1979-83
Surplus Canal at North Temple at Salt Lake City, Ut (d)	10170750	---	1976-82
Surplus Canal at Cohen Flume near Salt Lake City, Ut (d)	10170800	---	1963-67
Parleys Creek near Salt Lake City, Ut (d)	10171500	50.1	1898-1963
Parleys Creek at Suicide Rock near Salt Lake City, Ut (d)	10171600	50.7	1964-68, 1980-88
Emigration Creek below Burr Fork near Salt Lake City, Ut (d)	10171900	5.9	1964-68
Emigration Creek near Salt Lake City, Ut (d)	10172000	18.4	1898-1960, 1960-68, 1980-86
Emigration Creek below 1300 East at Salt Lake City, Ut (d)	10172100	a9	1963-67
Red Butte Creek below reservoir near Salt Lake City, Ut (d)	10172220	7.95	1942-67, 1980-88
1300 South Conduits at Jordan River, combined flows (d)	10172350	---	1981, 1987-88
South Conduit of 1300 So. Conduit at Jordan River, Salt Lake City, Ut (d)	10172351	---	1986-89
North Conduit of 1300 So. Conduit at Jordan River, Salt Lake City, Ut (d)	10172352	---	1980-81, 1985-89
City Creek above Wasatch Drive, near Salt Lake City, Ut (d)	10172400	17.0	1964-68
City Creek near Salt Lake City, Ut (d)	10172500	19.2	1898-1960, 1960-69, 1980
Jordan River at 5th North at Salt Lake City, Ut (d)	10172550	---	1975-86
Jordan River at Cudahay Lane near Salt Lake City, Ut (d)	10172600	q3,590	1963-68, 1974-76
Sewage Canal at Cudahay Lane near Salt Lake City, Ut (d)	10172620	---	1963-67
Storm Drain at International Center near Salt Lake City, Ut (d)	10172624	0.08	1948-83

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
JORDAN RIVER BASIN--Continued			
Goggin Drain near Magna, Ut (d)	10172630	---	1964-67, 1972-84
Lee Creek near Magna, Ut (d)	10172640	---	1972-82
Kennecott Drain near Magna, Ut (d)	10172650	---	1964-67, 1972-84
RUSH VALLEY			
East Government Creek Tributary near Vernon, Ut (d)	10172720	a0.98	1961-74
TOOELE VALLEY			
Middle Canyon Creek near Tooele, Ut (d)	10172794	12.1	1984-86
Box Elder Wash near Grantsville, Ut (d)	10172795	9.84	1986-94
North Willow Creek near Grantsville, Ut (d)	10172805	5.38	1979-92
GREAT SALT LAKE DESERT			
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
Fox Canal near Circleville, Ut (d)	10180500	---	1914-19
Circleville Canal near Circleville, Ut (d)	10181000	---	1914-19
Old Kingston Canal near Circleville, Ut (d)	10181500	---	1914-19
Dalton Canal at Circleville, Ut (d)	10182000	---	1914-19
Mitchell Slough Canal near Junction, Ut (d)	10182500	---	1914-19
Junction Middle Canal near Junction, Ut (d)	10183000	---	1915-19
Tropic and East Fork Canal near Tropic, Ut (d)	10184000	---	1950-61
East Fork Sevier River near Antimony, Ut (d)	10184450	a570	1961-66
Coyoto Canal near Coyoto, Ut (d)	10184500	---	1916-19

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
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 near Antimony (Coyoto), Ut (d)	10188500	---	1913-19
Combined Flow Sevier River and East Fork Sevier River (d)	10189001	---	1915-77
Kingston Canal at Kingston, Ut (d)	10189500	---	1914-19
Sevier River near Junction, Ut (d)	10190500	a2,390	1911-16
Sevier River near Marysvale, Ut (d)	10192000	a2,560	1906-11
Sevier River at Marysvale, Ut (d)	10192500	a2,580	1912-14
Pine (Bullion) Creek at Marysvale, Ut (d)	10193500	a29	1914
			1918-19
Cove Canal at Sevier, Ut (d)	10194500	---	1914-19
Clear Creek at Sevier, Ut (d)	10195000	169	1912-19
			1934-58
Sevier River at Sevier, Ut (d)	10195500	a2,850	1917-29
Monearoe South Bend Canal near Joseph, Ut (d)	10196000	---	1914-19
Sevier Valley Canal near Joseph, Ut (d)	10196500	---	1912-19
Joseph Canal near Joseph, Ut (d)	10197000	---	1914-19
Sevier Valley Canal near Richfield, Ut (d)	10198000	---	1912-19
State Canal near Redmond, Ut (d)	10200000	---	1913-19
Wells Canal near Joseph, Ut (d)	10200500	---	1914-19
Monroe Canal near Elsinore, Ut (d)	10201000	---	1914-19
Elsinore Canal near Elsinore, Ut (d)	10201500	---	1914-19
Brooklyn Canal near Elsinore, Ut (d)	10202000	---	1914-19
Richfield Canal near Fillmore, Ut (d)	10202500	---	1914-19
Annabella Canal at Elsinore, Ut (d)	10203000	---	1914-19
Vermilion Canal near Richfield, Ut (d)	10203500	---	1914-19
Sevier River near Richfield, Ut (d)	10204000	---	1916-18
Mill Creek near Glenwood, Ut (d)	10204200	18.9	1963-74
Rockyford Canal near Vermilion, Ut (d)	10204500	---	1914-35
Sheep Creek near Salina, Ut (d)	10205100	0.30	1958-69
West Fork Sheep Creek near Salina, Ut (d)	10205200	0.43	1958-69
Sheep Creek at mouth near Salina, Ut (d)	10205300	1.47	1958-69
Sevier River below Salina Creek near Salina, Ut (d)	10206001	---	1985-86
West View Canal at Redmond, Ut (d)	10206500	---	1914-19
Fayette Canal near Centerfield, Ut (d)	10207000	---	1914-19
Dover Canal near Gunnison, Ut (d)	10207500	---	1914-19
Sevier River near Gunnison, Ut (d)	10208000	a3,990	1901-17
Oak Creek near Fairview, Ut (d)	10208500	11.8	1965-89
Pleasant Creek near Mount Pleasant, Ut (d)	10210000	---	1955-75
Twin Creek near Mount Pleasant, Ut (d)	10211000	a5.9	1955-66
Big Hollow at Fountain Green, Ut (d)	10215500	---	1965-68
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
Wellington Canal near Mills, Ut (d)	10219100	---	1914-18
Sevier River near Mills, Ut (d)	10220000	a5,800	1914-17
Sevier River Land and Water Co. Canal near Leamington, Ut (d)	10220500	---	1914-19
McIntyre Canal near Leamington, Ut (d)	10222500	---	1914-18

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

Station name	Station number	Drainage area (sq mi)	Period of record
SEVIER LAKE BASIN--Continued			
Leamington Canal near Leamington, Ut (d)	10223000	---	1914-19
Sevier River at Leamington, Ut (d)	10223500	a5,860	1889-93
			1912-14
Oak Creek below big Spring near Oak City, Ut (d)	10224300	17.8	1979-86
Delta and Melville Reservoir near Delta, Ut (e)	10224500	---	1914-17
Canal A (Delta and Melville Canal) near Delta, Ut (d)	10225000	---	1912-19
Sevier River near Delta, Ut (d)	10228000	a7,380	1912-19
Gunnison Bend Reservoir near Delta, Ut (e)	10228500	---	1914-19
Sevier River at Oasis, Ut (d)	10231500	a8,080	1912-27
Chalk Creek near Fillmore, Ut (d)	10232500	58.7	1914
			1945-71
Meadow Creek near Meadow, Ut (d)	10233000	11.6	1914
			1965-75
Corn Creek near Kanosh, Ut (d)	10233500	---	1914
			1965-75
Three Creeks near Beaver, Ut (d)	10234000	19.5	1947-61
South Creek near Beaver, Ut (d)	10235000	14.7	1906
			1965-76
North Fork North Creek above Pole Creek near Beaver, Ut (d)	10235500	a6.9	1947-49
North Fork North Creek near Beaver, Ut (d)	10236000	14.1	1906
			1966-76
South Fork North Creek near Beaver, Ut (d)	10236500	23.0	1906
			1966-76
Indian Creek near Beaver, Ut (d)	10237500	18.5	1906
			1947-49
			1965-76
Indian Creek at Adamsville, Ut (d)	10238000	a180	1914-16
Minersville Reservoir near Minersville, Ut (e)	10238500	534	1915-22
			1937
Minersville Canal at Minersville, Ut (d)	10239500	---	1906
			1914
			1951-55
Beaver River at Minersville, Ut (d)	10240000	a560	1909-13
			1951-55
Beaver River near Milford, Ut (d)	10241000	a1,100	1952-55
PAROWAN VALLEY			
Little Creek near Paragonah, Ut (d)	10241400	15.8	1960-80
Red Creek near Paragonah, Ut (d)	10241430	a6.3	1965-75
Center Creek above Parowan Creek near Parowan, Ut (d)	10241470	11.6	1965-87
Center Creek near Parowan, Ut (d)	10241500	a60	1943-50
Summit Creek near Summit, Ut (d)	10241600	24.0	1965-87
CEDAR CITY VALLEY			
Ashdown Creek near Cedar City, Ut (d)	10241800	13.1	1958-61
Grassy Creek near Enterprise, Ut (d)	10242430	a2.5	1965-68
SNAKE VALLEY			
Snake Creek near Baker, Nv (d)	10243230	a30	1913-15
Baker Creek at Narrows near Baker, Nv (d)	10243240	16.4	1947-55
Baker Creek near Baker, Nv (d)	10243250	a10	1913-15
Lehman Creek near Baker, Nv (d)	10243260	a11	1947-55
George Creek near Yost, Ut (d)	13077700	7.84	1959-89
Clear Creek near Naf, Id (d)	13079000	20.2	1910-11
			1944-70

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

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
COLORADO RIVER BASIN				
Cottonwood Wash at I-70 near Cisco, Ut	09163675	170	c,s,t	1983-86
TRIBUTARIES BETWEEN DOLORES RIVER AND GREEN RIVER				
Onion Creek above Onion Creek Bridge near Moab, Ut	09180920	---	c,t	1980-81
Onion Creek below Onion Creek Bridge near Moab, Ut	09180970	---	c,t	1980-81
Castle Creek above diversions, near Moab, Ut	09182000	7.58	c,t	1971-75
Courthouse Wash near Moab, Ut	09183000	162	c,t	1971-89
Indian Creek Tunnel near Monticello, Ut	09185800	---	c,t	1971-80
Indian Creek below Bogus Pocket near Monticello, Ut	09187550	262	c,s,t	1983-88
GREEN RIVER BASIN				
East Fork Beaver Creek near Lonetree, Wy	09227000	a8.2	c,s,t	1977
Sheep Creek Upper Canal near Manila, Ut	09231000	---	c	1976
Red Creek near Dutch John, Ut	09234700	140	c,s,t	1971-76
Crouse Creek near Vernal, Ut	09235100	30.2	c,t	1987-90
Pot Creek near Vernal, Ut	09235800	107	c,t	1971-82
ASHLEY CREEK BASIN				
Brush Creek above cave near Vernal, Ut	09261500	a23	c,t	1950-73
Big Brush Creek near Vernal, Ut	09262000	79.6	c,t	1908-81
Little Brush Creek near Vernal, Ut	09263000	a28	c	1950
Brush Creek near Jensen, Ut	09263500	255	c	1988-89
Oaks Park Canal near Vernal, Ut	09265000	---	c	1957
Ashley Creek above Red Pine Creek near Vernal, Ut	09265300	55.8	c,t	1971-75
Dry Fork above sinks, near Dry Fork, Ut	09268000	44.4	c,t	1954-75
North Fork of Dry Fork near Dry Fork, Ut	09268500	8.62	c,t	1955-89
Brownie Canyon above sinks, near Dry Fork, Ut	09268900	8.24	c,t	1971-89
East Fork of Dry Fork at mouth near Dry Fork	09269500	a18	c,t	1954
Dry Fork below springs near Dry Fork, Ut	09270000	97.4	c,t	1947-58
Dry Fork at mouth near Dry Fork, Ut	09270500	116	c,t	1954-89
Ashley Creek at Sign of the Maine, near Vernal, Ut	09271000	241	c,t	1947 1949 1955-58 1973-74
Highline Canal below Mantle Gulch near Jensen, Ut	09271070	---	c,t	1971-72
River Irrigation Company Canal near Jensen, Ut	09271470	---	c,t	1971-72
Ashley Creek near Jensen, Ut	09271500	383	c,t	1947-51 1954-58 1971-83 1986-89
DUCHESNE RIVER BASIN				
Duchesne Tunnel near Kamas, Ut	09272500	---	c,t	1972
Duchesne River at Provo River Trail near Hanna, Ut	09273000	a39	c	1954 1957 1956-57
Hades Creek near Hanna, Ut	09273500	a75	c	1951 1960-62
Duchesne River (North Fork) near Hanna, Ut	09274000	a78	c,t	1988
West Fork Duchesne River below Dry Hollow near Hanna, Ut	09275000	43.8	c,t	1957 1960 1964 1974-81

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN--Continued				
Wolf Creek above Rhoades Canyon near Hanna, Ut	09276000	10.6	c,t	1951 1956-57 1962 1971-83
Duchesne River at Hanna, Ut	09277000	a230	c,t	1957-64 1973
Rock Creek near Hanna, Ut	09278500	122	c,t	1957 1974-83 1987-88
Rock Creek below Miners Gulch near Hanna, Ut	09278700	133	c,t	1974-81
Duchesne River at Duchesne, Ut	09279500	a660	c,t	1941-43 1946-74
Hobble Creek at Daniels Summit near Wallsburg, Ut	09280400	2.89	c,t	1971-83
Strawberry Reservoir near Soldier Springs, Ut	09282500	170	c	1949 1957-58
Willow Creek near Soldier Springs,Ut	09285500	a44	t	1990
Strawberry River above Red Creek near Fruitland, Ut	09285700	363	c,t	1941 1971-81
Red Creek near Fruitland, Ut	09286500	a89	c	1941 1947-49 1957-58
Currant Creek below Red Ledge Hollow near Fruitland, Ut	09287000	50.1	c,t	1951 1956-57 1962-64 1971-83
Water Hollow near Fruitland, Ut	09287500	a14	c,t	1956-57 1960-64 1971-83
Red Creek below Currant Creek near Fruitland, Ut	09288100	297	c,t	1971-81
West Fork Avintaquin Creek near Fruitland, Ut	09288150	56.1	c,t	1971-83
Strawberry River at Duchesne (Theodore), Ut	09288500	1,066	c,t	1941 1946-50 1954-58 1962-68 1973-74
Sowers Creek near Duchesne, Ut	09288900	40.6	c,t	1971-83
Antelope Creek near Myton, Ut	09289000	a198	c	1941 1949
Lake Fork River below Taskeech Damsite near Mt Home, Ut	09291200	138	c,t	1977-83
Yellowstone River at mouth near Altonah, Ut	09293000	142	c,t	1977-81
Lake Fork River (below Forks) near Altonah, Ut	09293500	304	c,t	1949 1977-81
Lake Fork River at Hwy 87 near Altamont, Ut	09293600	318	c,t	1977-81
Pigeon Water Creek near Altamont, Ut	09293700	95.5	c,t	1977-78
Lake Fork River near Upalco, Ut	09294000	427	c,t	1941 1957-58 1964-65 1973 1977-81
Lake Fork (Creek) near Myton, Ut	09294500	484	c,t	1941 1947-48 1951 1973 1977-81

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
DUCHESNE RIVER BASIN--Continued				
Uinta River near Neola, Ut	09297000	163	c,t	1941
				1957-58
				1963-83
Uinta River near Whiterocks, Ut	09297500	218	c	1849
West Channel Uinta Riv blw diversion works nr Whiterocks, Ut	09297600	216	c,t	1977-81
East Channel Uinta Riv blw diversion works near Whiterocks, Ut	09297700	215	c,t	1977-81
East Channel Uinta Riv at County Road Bridge nr Whiterocks, Ut	09297800	253	c,t	1977-81
East Channel Uinta Riv at LaPoint Road near LaPoint, Ut	09297900	382	c,t	1977-82
Farm Creek near Whiterocks, Ut	09298000	14.9	c,t	1971-81
Whiterocks River below damsite near Whiterocks, Ut	09299400	110	c,t	1977-81
Whiterocks River below Farm Creek Canal near Whiterocks, Ut	09299600	120	c,t	1977-81
Whiterocks River 1 Mile East of Whiterocks, Ut	09299700	124	c,t	1977-81
Deep Creek at State Hwy 246 near LaPoint, Ut	09299900	72.2	c,t	1977-79
Uinta River at Fort Duchesne, Ut	09300500	557	c,t	1941
				1947-51
				1954-59
				1965-70
				1973
				1977-81
Dry Gulch near Neola, Ut	09301000	a67	c	1958
				1963-64
Dry Gulch near Fort Duchesne, Ut	09301200	469	c,t	1977-81
Uinta River at Randlett, Ut	09301500	1,064	c,s,t	1950
				1963
				1977-81
WHITE RIVER BASIN				
White River near Colorado State Line, Ut	09306395	3,680	c,s,t	1976-85
White River above Hells Hole Canyon near Watson, Ut	09306400	a3,700	c,s,t	1974-76
Hells Hole Canyon Creek at mouth near Watson, Ut	09306405	24.5	c,s,t	1975-76
				1979-82
Evacuation Creek above Missouri Creek near Dragon, Ut	09306410	100	c,s,t	1974-83
Evacuation Creek below Park Canyon near Watson, Ut	09306415	246	c,s,t	1974-75
Evacuation Creek at Watson, Ut	09306420	259	c,s,t	1948
				1974-77
Evacuation Creek near mouth near Watson, Ut	09306430	284	c,s,t	1974-83
White River below Southam Canyon near Watson, Ut	09306600	a4,030	c,s,t	1974-76
Southam Canyon Wash near Watson, Ut	09306605	2.5	c,s,t	1976
Southam Canyon Wash at mouth near Watson, Ut	09306610	8.3	c,s,t	1976
				1979-82
Asphalt Wash below Center Fork near Watson, Ut	09306620	94.4	c,s,t	1976
Asphalt Wash near mouth near Watson, Ut	09306625	97.5	c,s,t	1975-76
				1979-81
White River below Asphalt Wash near Watson, Ut	09306700	a4,130	c,s,t	1974-78
				1981-83
Bitter Creek above Dick Canyon near Watson, Ut	09306740	11.7	c,s,t	1974-78
Sweetwater Canyon below South Canyon near Watson, Ut	09306760	22.6	c,s,t	1974-78
Sweetwater Canyon Creek near mouth near Watson, Ut	09306780	124	c,s,t	1975-78
Bitter Creek near Bonanza, Ut	09306800	324	c,s,t	1971-83
				1987-88
Bitter Creek at mouth near Bonanza, Ut	09306850	398	c,s,t	1974-83
Sand Wash near Ouray, Ut	09306870	59.7	c,t	1976
				1979
				1980
Sand Wash at mouth near Ouray, Ut	09306872	71.1	c,s,t	1978-80
Coyote Wash near mouth near Ouray, Ut	09306878	228	c,s,t	1976-83

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
WHITE RIVER BASIN--Continued				
North Wash near Ouray, Ut	09306880	11.0	c,t	1980-81
Cottonwood Wash near mouth near Ouray, Ut	09306885	70.6	c,s,t	1977-81
White River at mouth near Ouray, Ut	09306900	5,120	b,c,s,t	1974-86
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER				
Green River near Ouray, Ut	09307000	a35,500	c,s,t	1950-52 1958-66
Pariette Draw near Ouray, Ut	09307200	153	c,s,t	1975-84
Pariette Draw at mouth near Ouray, Ut	09307300	298	c,s,t	1975-84 1987-91
TRIBUTARIES BETWEEN DUCHESNE RIVER AND PRICE RIVER--Continued				
Willow Creek above diversions near Ouray, Ut	09307500	297	c,s,t	1969-70 1974-83
Hill Creek above Towave Reservoir near Ouray, Ut	09307800	89.7	c,s,t	1974-81
Hill Creek near mouth near Ouray, Ut	09307900	288	c,s,t	1975-81
Willow Creek near Ouray, Ut	09308000	897	c,s,t	1950-55 1974-83
Minnie Maud Creek near Myton, Ut	09308500	32.0	c,t	1971-83 1987-89
PRICE RIVER BASIN				
Fairview Ditch near Fairview, Ut	09309500	---	c	1958
Gooseberry Creek near Fairview, Ut	09309800	a7.51	c,t	1969-70
Boardinghouse Creek at mouth near Scofield	09310575	2.04	c,s,t	1982-84
Eccles Canyon near Scofield, Ut	09310600	5.5	b,c,s,t	1979-84
Price River near Scofield, Ut	09311500	a155	c,t	1962 1969-70 1979-80
White River near Soldier Summit, Ut	09312500	52.8	c,t	1947 1957-58 1969 1979
Beaver Creek near Soldier Summit, Ut	09312700	26.1	c,t	1969-83 1987-89
Willow Creek near Castle Gate, Ut	09312800	62.8	c,t	1969-83 1987-89
Willow Creek at Castle Gate, Ut	09312900	77.4	b,c,s,t	1979-81
Spring Canyon below Sowbelly Gulch at Helper, Ut	09313040	23.0	c,s,t	1978-81
Price River near Helper, Ut	09313500	a530	c,t	1970
Coal Creek near Helper, Ut	09313965	25.3	b,c,s,t	1976-81
Soldier Creek below Mine near Wellington, Ut	09313975	17.7	b,c,s,t	1969 1976-84
Dugout Creek near Sunnyside, Ut	09313985	5.8	b,c,s,t	1979-81
Price River below Miller Creek near Wellington, Ut	09314250	956	c,t	1969-83
Desert Seep Wash near Wellington, Ut	09314280	191	c,t	1969 1972-83
Grassy Trail Creek at Sunnyside, Ut	09314340	40.1	b,c,s,t	1975-84
Horse Canyon near Sunnyside, Ut	09314374	12.5	b,c,s,t	1975-81
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER				
Saleratus Wash at Green River, Ut	09315500	a180	c	1947-48 1957
Browns Wash near Green River, Ut	09316000	a75	c	1948 1957
Floy Wash near Green River, Ut	09316100	56.6	c,s,t	1983-86

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
TRIBUTARIES BETWEEN PRICE RIVER AND SAN RAFAEL RIVER--Continued				
Candland Ditch near Mt Pleasant, Ut	09317500	---	c	1958
Crandall Canyon at mouth near Huntington, Ut	09317919	5.7	b,c,s,t	1976-84
Tie Fork Canyon near Huntington, Ut	09317920	11.7	b,c,s,t	1978-81
Huntington Creek near Huntington, Ut	09318000	187	b,c,s,t	1949
				1956-79
Larsen Tunnel near Ephraim, Ut	09320500	---	b	1978
Seely Creek near Orangeville, Ut	09324000	a150	c,t	1956-58
				1975
Cottonwood Creek above Straight Canyon near Orangeville, Ut	09324200	21.9	b,c,s,t	1978-81
Cottonwood Creek near Orangeville, Ut	09324500	208	c,s,t	1946
				1956-83
Cottonwood Creek near Castle Dale, Ut	09325000	26	c,t	1948
				1958-62
				1975-78
San Rafael River Above Ferron Creek near Castle Dale, Ut	09325100	a680	c,t	1964-65
				1968
				1977-1978
Ferron Creek near Castle Dale, Ut	09327500	a210	c,t	1960-68
				1974-78
San Rafael River near Castle Dale, Ut	09328000	930	c,t	1948
				1957-68
San Rafael River at San Rafael Bridge Campground, near Castle Dale, Ut	09328100	1,28	c,s,t	1975-83
DIRTY DEVIL RIVER BASIN				
Fremont River near Fremont, Ut	09329500	205	c,t	1975-76
Pine Creek near Bicknell, Ut	09329900	104	c,t	1971-80
Pleasant Creek near Caineville Ut	09330210	115	c,s,t	1969-72
				1975-76
Bull Creek near Hanksville, Ut	09330410	7.53	c,s	1983-91
Ivie Creek above diversions near Emery, Ut	09331500	a50	c,t	1975-76
Convulsion Canyon near Emery, Ut	09331850	21.6	c,s,t	1980-84
Quitchupah Creek near Emery, Ut	09331900	104	b,c,s,t	1978-81
Christiansen Wash near Emery, Ut	09331950	13.6	b,c,s,t	1978-84
Muddy Creek below I-70 near Emery, Ut	09332100	418	c,s,t	1973-87
Muddy Creek at Delta Mine near Hanksville, Ut	09332700	841	c,s,t	1975-85
Muddy Creek at mouth near Hanksville, Ut	09332800	1,552	c,s,t	1975-80
Dirty Devil River near Hanksville, Ut	09333000	a3,490	c,t	1975-76
Colorado River at Hite, Ut	09335000	a76,600	c,s	1950-56
ESCALANTE RIVER BASIN				
East Fork Boulder Creek near Boulder, Ut	09338000	21.4	c,t	1971-72
Escalante River at mouth near Escalante, Ut	09339500	a1,770	c	1951-53
SAN JUAN RIVER BASIN				
McElmo Creek near Bluff, Ut	09372200		c,t	1978-82
Spring Creek above diversions near Monticello, Ut	09376900	4.95	c,t	1971-72
North Creek above Ranger Station near Monticello, Ut	09378100	8.68	c,t	1980-83
Montezuma Creek near Bluff, Ut	09378600	1,154	c	1985-93
Cottonwood Wash near Blanding, Ut	09378700	205	c,s,t	1968-83
COLORADO RIVER TRIBUTARIES BELOW GLEN CANYON DAM				
Mill Creek above study area near Glendale, Ut	09403620	4.81	c,t	1975-77
Thompson Creek below study area near Glendale, Ut	09403660	16.6	c,t	1976-77

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
VIRGIN RIVER BASIN				
North Fork Virgin River near Glendale, Ut	09405400	5.65	c,t	1973-78
North Fork Virgin River below Bulloch Canyon near Glendale, Ut	09405420	29.6	c,s,t	1974
				1983-86
North Fork Virgin River above Zion Narrows near Glendale, Ut	09405450	45.5	c,s,t	1979
				1983-86
LaVerkin Creek near LaVerkin, Ut	09406150	91.3	c,t	1987-91
Kanarra Creek at Kanarraville, Ut	09406300	9.85	c,t	1971-82
South Ash Creek below Mill Creek near Pintura, Ut	09406700	11.0	c,t	1971-82
Ash Creek above Toquerville, Ut	09407000	201	c,t	1987-91
West Field Ditch at Toquerville, Ut	09407150		c,t	1973-78
Ash Creek below West Field Ditch at Toquerville, Ut	09407200	201	c,t	1973-82
Virgin River above Quail Creek near Hurricane, Ut	09408135	1,381	t	1992-93
Virgin River near Hurricane, Ut	09408150	1,499	c,s,t	1967-93
Santa Clara River above Winsor Dam near Santa Clara, Ut	09410000	338	c,s,t	1962-72
Santa Clara River near Santa Clara, Ut	09410400	410	c,t	1971-74
Virgin River near St. George, Ut	09413500	3,961	c,s,t	1966-73
THE GREAT BASIN				
Great Salt Lake at AIC near Syracuse, Ut	10010300	--	c,t	1972
BEAR RIVER BASIN				
East Fork Bear River near Evanston, Wy	10010400	34.6	c,t	1973-83
Hilliard East Fork Canal near State Line near Evanston, Wy	10010500	---	c,t	1967
				1973-79
West Fork Bear River at Whitney Dam, near Oakley, Ut	10011200	a7.5	c,t	1965-67
				1973-83
West Fork Bear River below Deer Creek near Evanston, Wy	10011400	52.2	c,t	1973-83
Mill Creek at Utah-Wyoming State Line	10012000	a59	c,t	1961
Sulphur Creek below Reservoir near Evanston, Wy	10015900	69.2	c,t	1958-92
Yellow Creek near Evanston Wy	10017000	a80	c,t	1958
				1961
				1968
				1972-78
Bear River near Evanston, Wy	10019000	715	c,t	1967-68
Chapman Canal at State Line near Evanston, Wy	10019500	---	c,t	1957
				1967-68
				1972-83
Bear River near Woodruff, Ut	10020500	a870	c,t	1957-58
				1961
Woodruff Creek below reservoir near Woodruff, Ut	10020900	50.0	c,t	1972-83
Woodruff Creek near Woodruff, Ut	10021000	a65	c,t	1961
				1967-68
				1972-75
Bear River near Randolph, Ut	10026500	1,616	c,t	1943-92
Rock Creek near Fossil, Wy	10026800	49.0	c,t	1961
Bear River below Pixley Dam near Cokeville, Wy	10028500	2,03	c,t	1958
				1965-68
				1973-83
				1988-91
Muddy Creek above Mill Creek near Cokeville, Wy	10032700	20.7	c,t	1967-68
Mill Creek near Cokeville, Wy	10032800	8.07	c,t	1967-68
Smiths Fork at Cokeville, Wy	10035000	275	c,t	1984-85
Bear River at Border, Wy	10039500	2,486	c,s	1966-93
Thomas Fork near Wyoming-Idaho state line	10041000	113	c,t	1949-92
Bear River at Harer, Id	10044000	2,839	c,t	1967-68
St. Charles Creek above Diversions near St. Charles, Id	10054600	17.4	c,t	1967-68

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
BEAR RIVER BASIN--Continued				
Bloomington Creek at Bloomington, Id	10058600	24.0	c,t	1961
				1967-68
				1973-83
Bear River at Pescadero, Id	10068500	3,705	c,t	1967-68
				1972-91
Eightmile Creek near Soda Springs, Id	10072800	22.6	c,t	1961
				1965-68
				1973-83
Bear River at Soda Springs, Id	10075000	3,972	c,t	1965-68
				1972-83
Cottonwood Creek near Cleveland, Id	10084500	61.7	c,t	1961
				1967-68
				1972-83
Mink Creek below Dry Fork near Mink Creek, Id	10087500	19.3	c,t	1961
Bear River near Preston (at Battlecreek), Id	10090500	4,545	c,t	1947
				1953
				1961
				1965-68
				1973-83
Deep Creek near Clifton, Id	10091200	107	c,t	1967-68
				1972-78
Cub River near Preston, Id	10093000	19.4	c,t	1958-61
				1967-68
				1972-83
East Branch Cub River Canal near Lewiston, Ut	10095900	---	c,t	1967-68
High Creek near Richmond, Ut	10099000	16.2	c,t	1978-83
				1987-89
Cub River near Richmond, Ut	10102200	a200	c,t	1959
				1967-68
Summit Creek above diversions near Smithfield, Ut	10102300	11.6	c,t	1967-68
				1972-79
South Fork Little Bear River near Avon, Ut	10104600	26.0	c,t	1967-68
				1972-74
Little Bear River below Davenport Creek near Avon, Ut	10104700	61.5	s	1986-91
East Fork Little Bear River above Reservoir near Avon, Ut	10104900	56.7	c,t	1967-68
				1972-83
Little Bear River near Paradise, Ut	10106000	203	c,t	1947
				1961
				1967-68
				1972-83
Little Bear River near Hyrum, Ut	10107500	222	c,t	1961
				1967-68
Little Bear River at Wellsville, Ut	10107600	245	c,t	1967-68
Logan River below Blacksmith Fork near Logan, Ut	10115200	524	c,t	1964-68
				1972-80
Blacksmith Fork below Mill Creek, near Hyrum, Ut	10111700	78	c,t	1965-69
				1985-92
West Canal above Salt Creek diversion near Tremonton, Ut	10117510	---	c,t	1979-83
West Canal below Salt Creek diversion near Tremonton, Ut	10117530	---	c,t	1979-83
Deep Creek below First Creek near Malad City, Id	10125000	a32	c,t	1967
Malad River near Plymouth, Ut	10125600	a632	c,t	1964-65
				1968
				1972-80
Bear River Duck Club near Bear River City, Ut	10125700	---	c,t	1967-68
Malad River blw Bear River Duck Club Canal nr Bear River City, Ut	10125800	a698	c,t	1965-68

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
TRIBUTARIES TO GREAT SALT LAKE BETWEEN BEAR RIVER AND WEBER RIVER				
Bear River near Corinne, Ut	10126000	7,029	c,t	1973-94
Sulphur Creek near Corrinne, Ut	10126180	15.4	c,t	1963-64, 1972-83
Salt Creek below Salt Spring near Tremonton, Ut	10127050	---	c,t	1979-83
Black Slough near Brigham City, Ut	10127100	31.1	c,t	1973-83
WEBER RIVER BASIN				
Smith and Morehouse Creek near Oakley, Ut	10128000	33.8	c,t	1975-83, 1987
South Fork Weber River near Oakley, Ut	10128200	a16	c,t	1971-74
Weber River near Peoa, Ut	10129300	296	c,t	1971-77
Crandall Creek near Peoa, Ut	10129350	11.8	c,t	1971-73
East Fork Chalk Creek near Coalville, Ut	10130700	a35	c,t	1972-74
Threemile Creek near Park City, Ut	10133700	2.68	c,t	1971-74, 1983
East Canyon Creek near Park City, Ut	10133900	68.9	c,t	1983
North Fork Ogden River near Eden, Ut	10137680	6.03	c,t	1971-74
Middle Fork Ogden River above diversion near Huntsville, Ut	10137780	31.3	c,t	1971-74
Ogden River near Ogden, Ut	10139500	321	c,t	1988
Hooper Slough near Hooper, Ut	10141040	13.0	c,t	1975, 1979-83
Weber River near Plain City, Ut	10141000	2,081	c,s	1974-93
South Fork Weber Canal near Hooper, Ut	10141050	---	c,t	1972-75
South Fork Weber River near Hooper, Ut	10141100	---	c,t	1972-75
North Fork Weber River near Hooper, Ut	10141200	---	c,t	1972-76
TRIBUTARIES TO GREAT SALT LAKE BETWEEN WEBER RIVER AND JORDAN RIVER				
Howard Slough at Hooper, Ut	10141400	---	c,s,t	1972-84
Farmington Creek above div near Farmington, Ut	10142000	10.0	c,t	1978-81
JORDAN RIVER BASIN				
Salt Creek at Nephi, Ut	10146000	95.6	c,t	1971-80, 1988
Nebo Creek near Thistle, Ut	10148400	36.7	c,t	1971-73
Spanish Fork at Thistle, Ut	10148500	450	c,t	1971-74
Spanish Fork below Halls Falls near Thistle, Ut	10148510	452	c,t	1983-92
Spanish Fork near Lakeshore, Ut	10152000	675	b,c,t	1971-83, 1988
Hobble Creek near Springville, Ut	10152500	105	c,t	1971-74
Maple Creek near Mapleton, Ut	10152700	3.13	c,t	1971-72
Provo River near Kamas, Ut	10153500	29.6	c,t	1972
Shingle Creek near Kamas, Ut	10154000	a8.4	c,t	1971-73
North Fork Provo River at Wildwood, Ut	10160800	12.3	c,t	1971-74
Dry Creek near Alpine, Ut	10165500	9.82	c,t	1971, 1980-81
Jordan River Station No. 1 at Narrows, Ut	10167001	---	c,s,t	1980-83
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut	10167105	---	c	1980
East Jordan Canal at pumphouse at 6200 So near Murray, Ut	10167115	---	c,s,t	1980-81
Upper Canal at 5800 South (Tolcate Ln) near Murray, Ut	10167122	---	c,t	1980
Upper Canal at Wild Rose Ln near Salt Lake City, Ut	10167125	---	c,s,t	1980-81
Jordan & Salt Lake Canal at Little Cottonwood Creek nr SLC, Ut	10167141	---	c,t	1980-81
Jordan & Salt Lake Canal at Zenith Ave near Salt Lake City, Ut	10167149	--	c,s,t	1980
Jordan River at 9400 South near South Jordan, Ut	10167200	3,130	c,s,t	1965-68
Bells Canyon Conduit 1000 East 110000 South	10167220	---	c,s,t	1981-82
Jordan River at 90th South near Midvale, Ut	10167230	a3,130	c,s,t,	1980-83, 1986-89
90th South Conduit at Jordan River near Midvale, Ut	10167240	---	b,c,s,t	1980-82

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
JORDAN RIVER BASIN--Continued				
Jordan River at 5800 South near SLC, Ut	10167300	3,254	b,c,s,t	1965-68, 1974-83
Little Cottonwood Creek (channel) near SLC, Ut	10167499	---	c,s,t	1979-88
Little Cottonwood Creek at 2050 East near SLC, Ut	10167700	35.2	c,t	1973-75, 1980
Little Cottonwood Creek at Jordan River near SLC, Ut	10168000	---	c,s,	1979-82, 1987-88
Big Cottonwood Creek (Cottonwood Creek) near SLC, Ut	10168500	50.0	c,s,t	1964-70
Big Cottonwood Creek at 5550 South near SLC, Ut	10168800	57.3	c,s,t	1964, 1980-89
Neffs Creek above Wasatch Boulevard near SLC, Ut	10168832	---	c,s,t	1981
Big Cottonwood Creek at Jordan River near SLC, Ut	10169500	---	b,c,s,t	1980-81
Mill Creek near Salt Lake City, Ut	10170000	21.7	b,c,s,t	1964-68, 1979
Mill Creek at Jordan River near SLC, Ut	10170250	a32	b,c,st	1979-82
Jordan River at Salt Lake City, Ut	10171000	3,438	b,c	1974-94
Parleys Creek at Suicide Rock near SLC, Ut	10171600	50.7	b,c,s,t	1964-68, 1979-81
Emigration Creek near Salt Lake City, Ut	10172000	18.4	b,c,s,t	1964-68, 1980-81
Red Butte Creek below reservoir near SLC, Ut	10172220	7.95	c,t	1980-81
1300 South Conduits at Jordan River, combined flows	10172350	---	b	1981
City Creek above Wasatch Drive, near SLC, Ut	10172400	17.0	c,s,t	1964-68
Jordan River at 5th North at SLC, Ut	10172550	---	b,c,s,t	1968-70, 1975, 1980-84
Jordan River at Cudahay Lane near SLC, Ut	10172600	q3,590	b,c,t	1963, 1973-79
Goggin Drain near Magna, Ut	10172630	---	c,t	1964-66, 1972-84
Lee Creek near Magna, Ut	10172640	---	c,t	1972-82
Kennecott Drain near Magna, Ut	10172650	---	c,s,t	1962-66, 1972-84
North Willow Creek near Grantsville, Ut	10172805	5.38	c,t	1979-92
GREAT SALT LAKE DESERT				
Great Salt Lake West Pond near Wendover, Ut	10172903	---	c,t	1988-90
West Locomotive Spring at Locomotive Spring near Snowville, Ut	10172963	---	c,t	1973-75
Baker Spring at Locomotive Spring near Snowville, Ut	10172964	---	c,t	1969-70, 1973-75
Bar M Spring at Locomotive Spring near Snowville, Ut	10172965	---	c,t	1969-70, 1973-80
East Jordan Canal at Little Cottonwood Creek near Sandy, Ut	10167105	---	c	1980
East Jordan Canal at pumphouse at 6200 So near Murray, Ut	10167115	---	c,s,t	1980-81
Upper Canal at 5800 South (Tolcate Ln) near Murray, Ut	10167122	---	c,t	1980
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
Antimony Creek near Antimony, Ut	10185000	50.3	c,t	1971-76
Otter Creek near Koosharem, Ut	10187300	23.5	c,t	1971-82
Otter Creek above Reservoir near Antimony, Ut	10187500	322	c,t	1971-80

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

Station name	Station number	Drainage area (sq mi)	Type of record	Period of record
SEVIER LAKE BASIN--Continued				
Clear Creek at Sevier, Ut	10195000	169	c,t	1988-89
Mill Creek near Glenwood, Ut	10204200	18.9	c,t	1973
Sheep Creek near Salina, Ut	10205100	0.30	c	1985
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
Sevier River near Lynndyl, Ut	10224000	5,966	b,c,t	1951-94
Oak Creek below big Spring near Oak City, Ut	10224300	17.8	c,t	1979-83
Chalk Creek near Fillmore, Ut	10232500	58.7	c,t	1985
Meadow Creek near Meadow, Ut	10233000	11.6	c,t	1944
				1971-75
				1985
Corn Creek near Kanosh, Ut	10233500	---	c,t	1944
				1964
				1971-75
				1985
South Creek near Beaver, Ut	10235000	14.7	c,t	1965
				1971-76
North Fork North Creek near Beaver, Ut	10236000	14.1	c,t	1972-77
South Fork North Creek near Beaver, Ut	10236500	23.0	c,t	1971-76
Indian Creek near Beaver, Ut	10237500	18.5	c,t	1965
				1971-77
Indian Creek at Adamsville, Ut	10238000	a180	c,t	1964
PAROWAN VALLEY				
Little Creek near Paragonah, Ut	10241400	15.8	c,t	1971-80
Red Creek near Paragonah, Ut	10241430	a6.3	c,t	1971-75
Center Creek above Parowan Creek near Parowan, Ut	10241470	11.6	c,t	1971-83
Summit Creek near Summit, Ut	10241600	24.0	c,s,t	1971-83
SNAKE RIVER VALLEY				
George Creek near Yost, Ut	13077700	7.84	c,t	1965-67
				1972-90
Clear Creek near Naf, Id	13079000	20.2	c,t	1965-67

Explanation:
a : approximate

INTRODUCTION

Water resources data for the l995 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 174 gaging stations; stage and contents for 22 lakes and reservoirs; water quality for 14 hydrologic stations, and 186 wells; and water levels for 50 observation wells. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Utah.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, l969, these water-supply papers were in an annual series and then in a 5-year series for l96l-65 and l966-70. Records of chemical quality, water temperatures, and suspended sediment were published from l941 to l970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels and Artesian Pressures in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, Virginia, 22202.

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

Beginning with the l975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report UT-95-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page or by telephone (801) 975-3350.

COOPERATION

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

Department of Natural Resources, Ted Stewart, Executive Director
Division of Water Rights, R. L. Morgan, State Engineer
Division of Water Resources, D. L. Anderson, Director
Utah Geological and Mineral Survey, M. L. Allison, State Geologist
Division of Wildlife Resources, T. H. Provan, President
Bear River Commission, Charles J. Heringer, Chairman
Salt Lake County Flood Control, James Bradley, Chairman
National Park Service, Dan B. Kimball, Acting Chief
Weber Basin Water Conservancy District, Wayne B. Gibson
Tooele City, Gerald Webster
Ogden River Water Users, James Randall
Weber River Water Users, D. Earl Harris
Central Utah Water Conservancy District, Don Christiansen

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

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

Colorado District.--Colorado River near Colorado-Utah State line.
Wyoming District.--Bear River at Evanston, WY
Blacks Fork near Millburne, WY
Blacks Fork near Robertson,Wy
East Fork of Smiths Fork, near Robertson, WY
Green River near Green River, WY

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

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

by David V. Allen

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

Precipitation in Utah during the 1995 water year was greater than normal* (1961-90) at 11 of 12 selected precipitation-recording stations operated by the National Oceanic and Atmospheric Administration (National Oceanic and Atmospheric Administration, 1994 and 1995) in Utah (fig. 1). Alta, Utah, located about 25 miles southeast of Salt Lake City at an elevation of 8,730 feet above sea level, received 58.60 inches of precipitation which is +5.02 inches greater than normal and 109 percent of normal (table 1). Of the remaining 11 sites, located at elevations ranging from 4,050 to 5,610 feet above sea level, Zion National Park recorded the greatest precipitation with 24.41 inches, or +9.00 inches greater than normal. Bluff was the only site to record less than normal precipitation with 7.80 inches, which is -0.43 inches less than normal. May was the wettest month with all 12 sites recording greater-than-normal precipitation, and total departure of +21.24 inches above normal. Precipitation during December was less than normal at 8 of the 12 sites with a total departure of -5.42 inches. During September 11 sites recorded less-than-normal precipitation and a total departure of -5.32 inches below normal. The total monthly departures-from-normal for precipitation during the water year was greater than normal for 7 months (average +10.23 inches) and less than normal for 5 months (average -4.17 inches).

Table 1. Precipitation and departure from normal precipitation at selected sites for water year 1995

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

Site	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total Departure
Alta	5.93 (+2.45)	6.35 (+0.65)	2.79 (-4.11)	9.21 (+2.22)	3.94 (-2.49)	10.07 (+3.31)	4.32 (-1.76)	7.65 (+4.26)	2.83 (+1.00)	2.38 (+0.76)	0.88 (-0.91)	2.25 (-0.36)	58.60 (+5.02)
Black Rock	2.65 (+1.87)	1.60 (+0.83)	0.36 (-0.23)	0.63 (+0.13)	0.30 (-0.18)	0.52 (-0.60)	0.87 (-0.11)	3.11 (+2.33)	1.35 (+0.81)	0.08 (-0.78)	0.21 (-0.62)	0.14 (-0.72)	11.82 (+2.73)
Bluff	0.44 (-0.62)	0.88 (+0.11)	1.04 (+0.29)	0.92 (+0.21)	0.10 (-0.57)	1.51 (+0.84)	0.57 (+0.09)	1.50 (+1.09)	0.34 (+0.11)	0.06 (-0.86)	0.21 (-0.62)	0.23 (-0.50)	7.80 (-0.43)
Callao	0.76 (+0.10)	0.46 (+0.12)	0.19 (-0.09)	1.03 (+0.74)	0.19 (-0.14)	0.60 (+0.19)	0.76 (+0.29)	2.88 (+2.07)	1.79 (+1.06)	0.10 (-0.43)	0.84 (+0.18)	0.08 (-0.52)	9.68 (+3.57)
Cedar City	1.33 (+0.38)	2.63 (+1.63)	0.69 (-0.01)	0.98 (+0.29)	1.07 (+0.18)	1.09 (-0.27)	1.32 (+0.22)	1.37 (+0.53)	1.90 (+1.47)	0.91 (-0.18)	0.56 (-0.91)	0.57 (-0.38)	14.42 (+2.92)
Green River	1.98 (+1.09)	0.94 (+0.49)	0.53 (+0.12)	0.87 (+0.47)	0.18 (-0.14)	2.04 (+1.45)	0.83 (+0.33)	1.48 (+0.85)	0.57 (+0.17)	0.42 (-0.15)	0.90 (+0.15)	T (-0.79)	10.74 (+4.04)
Hanksville	0.35 (-0.33)	0.59 (+0.18)	0.62 (+0.31)	0.39 (+0.01)	0.84 (+0.59)	1.19 (+0.68)	0.70 (+0.28)	0.95 (+0.46)	0.06 (-0.24)	0.16 (-0.38)	1.09 (+0.36)	0.39 (-0.35)	7.33 (+1.57)
Logan	3.00 (+1.13)	2.13 (+0.40)	0.75 (-0.97)	2.23 (+0.83)	1.42 (-0.23)	3.94 (+1.92)	1.58 (-0.57)	3.89 (+1.85)	2.45 (+0.88)	0.86 (+0.08)	0.12 (-0.85)	0.60 (-1.02)	22.97 (+3.45)
Nephi	4.32 (+3.06)	1.61 (+0.22)	1.12 (-0.21)	1.77 (+0.58)	0.84 (-0.35)	1.72 (+0.01)	3.05 (+1.54)	4.14 (+2.76)	1.86 (+1.01)	0.95 (+0.11)	0.62 (-0.39)	0.87 (-0.31)	22.87 (+8.03)
Salt Lake City	2.24 (+0.80)	2.96 (+1.67)	1.43 (+0.03)	1.81 (+0.70)	1.08 (-0.15)	2.35 (+0.44)	2.07 (-0.05)	3.68 (+1.88)	1.49 (+0.56)	0.32 (-0.49)	0.21 (-0.65)	1.33 (+0.05)	20.97 (+4.79)
Vernal	3.87 (+2.81)	1.13 (+0.53)	0.28 (-0.35)	0.44 (+0.02)	0.95 (+0.54)	0.25 (-0.40)	1.11 (+0.30)	2.81 (+1.93)	1.18 (+0.39)	0.89 (+0.39)	0.72 (+0.14)	0.63 (-0.24)	14.26 (+6.06)
Zion National Park	1.36 (+0.44)	2.08 (+0.62)	1.08 (-0.20)	4.97 (+3.38)	1.52 (-0.08)	5.73 (+3.68)	2.25 (+1.10)	2.07 (+1.23)	0.55 (+0.07)	0.01 (-1.24)	1.97 (+0.18)	0.82 (-0.18)	24.41 (+9.00)
Total Departure	+13.18	+7.45	-5.42	+9.58	-3.02	+11.25	+1.66	+21.24	+7.29	-3.17	-3.94	-5.32	

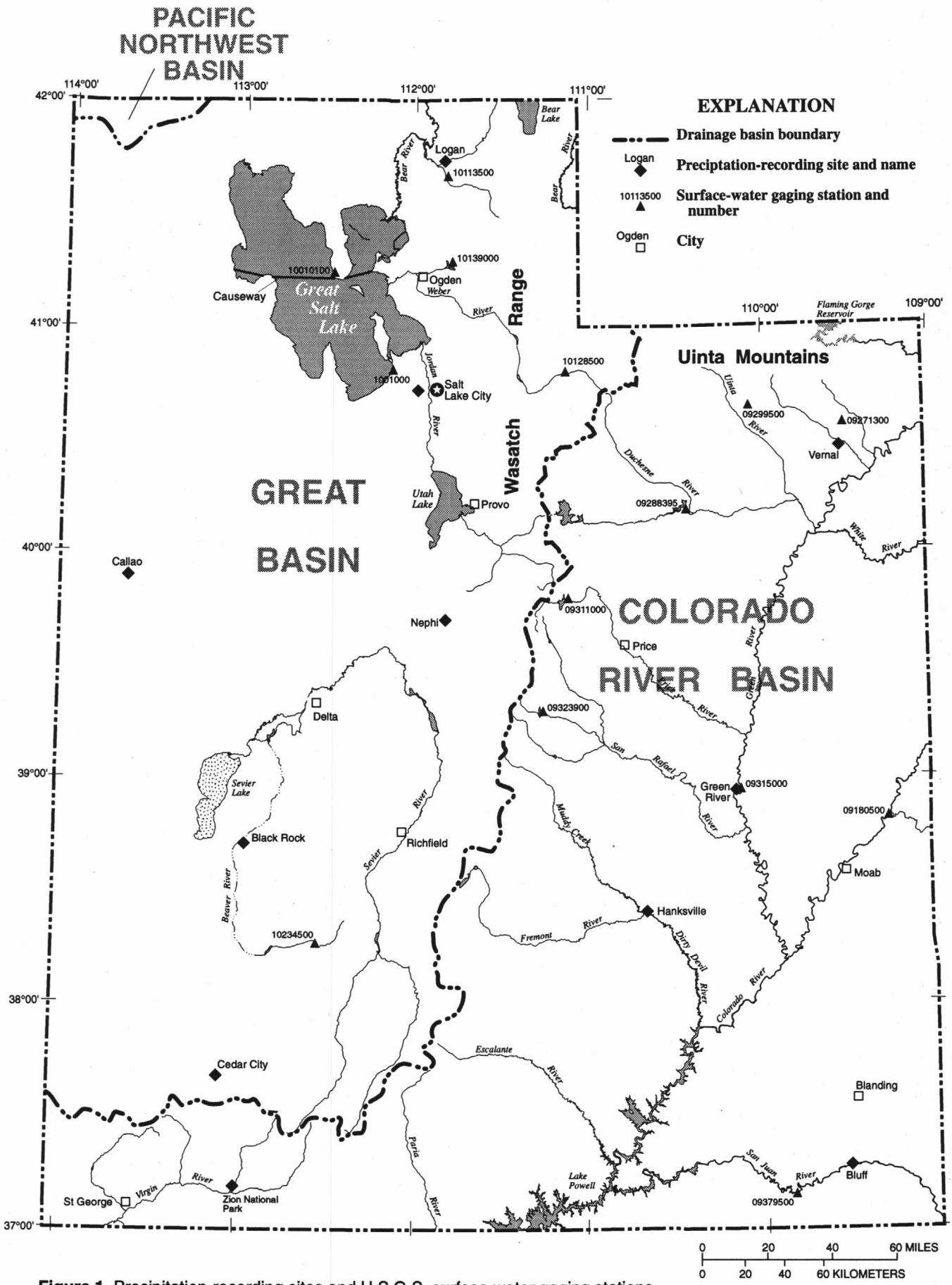

Figure 1. Precipitation-recording sites and U.S.G.S. surface-water gaging stations.

Mean annual discharge at seven long-term, representative gaging stations (fig. 2) was greater than the long-term annual median (1944-94) discharge at all seven stations, averaging 144 percent of the annual median discharge. The mean annual discharge ranged from a minimum of 101 percent of the long-term annual median discharge at Blacksmith Fork above Utah Power and Light Company's dam near Hyrum, Utah (10113500) to a maximum of 181 percent of the annual median discharge at Whiterocks River near Whiterocks, Utah (09299500). Monthly mean discharges for six of the seven stations were near or slightly below the long-term monthly median discharge for October through February: the exception being Whiterocks River where monthly mean discharges were greater than monthly median flows. Wet and cooler-than-normal weather conditions Statewide during February to May had the combined effect of increasing streamflows in many rivers in the southern part of the State while delaying the spring runoff and increasing the amount of water in the higher-elevation snowpack in the northern part of the State.

Minor flooding occured in the Virgin and Santa Clara drainages in February and March, when storms caused streamflows at Santa Clara River at Gunlock, Utah (09409880) to peak at 2,400 cubic feet per second on February 14, and an estimated 2,830 cubic feet per second on March 11. These discharges have a 5 percent and 4 percent chance of occurring in any given year, respectively.The monthly mean discharges for rivers in northern Utah were generally near or below the monthly median flow in April and May then, as a result of the delayed runoff, increased to above the monthly median discharge during June to September. At Colorado River near Cisco, Utah (09180500) the mean monthly discharge for July of 30,080 cubic feet per second was 443 percent of long-term monthly median discharge and the second highest for July in 81 years of record. The monthly mean discharge for July at Whiterocks River, 573 cubic feet per second, was 318 percent of the monthly median discharge and the greatest ever recorded at this site for July.

Combined reservoir contents on September 30, 1995, at 15 selected reservoirs in Utah, averaged 130 percent of the long-term (1961-90) average-usable-contents**. The largest percent of capacity was at Piute Reservoir near Marysvale, Utah (10191000), with 221 percent, and the smallest was at Bear Lake at Lifton, near St. Charles, Idaho (10055500), which was 53 percent of capacity. At Otter Creek Reservoir near Antimony, Utah (10188000) the maximum contents observed, 56,760 acre-feet on June 2, 1995, equalled the record maximum contents set in 1982. Of the 15 reservoirs, only Moon Lake Reservoir near Mountain Home, Utah (09290500) and Scofield Reservoir Scofield, Utah (09311000) ended the water year with contents less than the long-term average. Storage in Bear Lake, located in northern Utah, peaked at about 646,000 acre-feet during July 23 to August 1, which is about 49,000 acre-feet more than the peak for the 1994 water year (597,000 acre-feet) and 63 percent of the long-term average contents (1,027,400 acre-feet). Minimum storage in Bear Lake was 268,000 acre-feet on October 1-4, 1994, which is the same as the minimum for the 1994 water year and about 64,000 acre-feet more than the minimum for the 1993 water year (204,000 acre-feet).

The south arm of Great Salt Lake (10010000) reached a maximum daily mean elevation for the 1995 water year of 4200.8 feet above sea level on June 20 (fig. 3) which was the same as the revised peak elevation for the 1994 water year. Fluctuations in the level of Great Salt Lake occur because of changes in the rates of fresh water inflow, movement of water through the Southern Pacific Railroad causway, and evaporation outflow. Great Salt Lake normally reaches its peak elevation between late April and early June, and its lowest elevation normally occurs between late September and early December. The minimum elevation for the 1995 water year was 4197.9 feet above sea level on October 11, 1994. The elevation of the north arm of Great Salt Lake (10010100) ranged from a minimum of 4196.3 feet above sea level on November 4-6 and 9-11, 1994 to a maximum of 4198.0 feet above sea level on June 20 and July 3, 1995. Salinity of the south arm averaged 14.1 percent (seven observations) while the north arm averaged 27.3 percent (six observations).

Seven wells (fig 4) were selected to show trends in ground-water levels for water years 1986-95. The wells are in Curlew Valley, Pahvant Valley, Beryl-Enterprise area, Salt Lake Valley and the Vernal and Blanding areas. For the 1995 water year, water-level hydrographs (fig. 5) show large rises in Pahvant Valley and the Blanding area, a slight rise in the Vernal area, slight declines in the Beryl-Enterprise area and Salt Lake Valley, and generally no change in Curlew Valley. The rises are most likely a result of above-normal precipitation during the fall, winter and spring of 1995 water year, which increased recharge and the amount of surface water available for irrigation. The declines were small and most likely caused by increased withdrawals for public supply In Salt Lake Valley and by local increased withdrawals for irrigation in the Beryl-Enterprise area. Statewide, of the 27 wells equipped with continuous recording devices, 5 recorded record high water levels during the 1995 water year, while 2 recorded record minimum water levels.

Long-term water quality data are collected at 4 National Stream-Quality Accounting Network (NASQAN) and Benchmark stations in Utah (fig 6), which is 4 fewer than for the 1994 water year and 6 fewer than for the 1993 water year. NASQAN program water quality sampling at Dolores River near Cisco, Utah (09180000), Bear River near Corinne, Utah (10126000), Jordan River at Salt Lake City, Utah (10171000), and Sevier River near Lynndyl, Utah (10224000) was discontinued. Water-quality data, including water temperature, specific conductance, commom dissolved constituents, trace metals, radiochemical and suspended sediment samples, were collected at 11 other sites in water year 1995 (fig.6).

The U.S.G.S. began taking water-quality measurements on water from wells in Utah as early as 1932, and since 1963 has maintained a network of wells located within the areas of ground-water developement Statewide where water quality samples are collected annually. In 1995 water year, 186 ot 198 selected wells were sampled. Of those sampled, laboratory analyses for common dissolved constituents were done for 74 wells. Long-term increases in specific conductance values for water from

wells in at least six areas were identified in the 1995 water year. The areas were, from north to south, Curlew Valley, the Bothwell area of the lower Bear River, Goshen Valley, Pahvant Valley, The Milford area and the Beryl-Enterprise area. (fig. 4). Specific conductance is a measure of the ability of a water to conduct electricity, and is related to the type and concentration of ions in solution. Specific conductance is used to approximate the dissolved-solids content of water. As dissolved-solids in a water increase, the overall quality of the water, and its suitbility for use for irrigation, public or industrial supply, decreases.

The specific conductance in water from well (B-12-11) 4bcc- 1 in Curlew Valley increased from 2,100 to about 4,300 microsiemens per centimeter (at 25°C.) during 1975-95, an increase of about 100 percent (fig. 7). In Pahvant Valley, the specific conductance in water from well (C-19- 4)29bcd- 1 was fairly stable during 1967-87, then increased almost 50 percent to 1,050 microsiemens per centimeter by 1994 before declining slightly to 1,010 in 1995. In the Milford area, the specific conductance in well (C-28-11)25dcd- 1 has increased from about 640 to 2,100 microsiemens per centimeter from 1950 to 1995, with a maximum of 2,570 in 1983. At well (C-32-16)28dcc- 2 in the Beryl-Enterprise area, specific conductance data shows an increase from 769 microsiemens per centimeter in 1967 to nearly 1,000 in 1972, then remained fairly constant until 1986. During 1987-95, the specific conductance at this well fluctuated rapidly ranging from 1,050 to 1,700 microsiemens per centimeter.

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

National Oceanic and Atmospheric Administration, 1994, Climatological data, Utah: Asheville, N. C., National Climate Center, v. 96, no. 10-12.

National Oceanic and Atmospheric Administration, 1995, Climatological data, Utah: Asheville, N. C., National Climate Center, v. 97, no. 1-9.

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

**Long-term averages provided by National Oceanic and Atmospheric Administration. Averages for East Canyon (196-90), Joes Valley (1966-90), Starvation (1970-90), and Steinaker (1975-90), Reservoirs are calculated on the basis of the water years shown in parentheses.

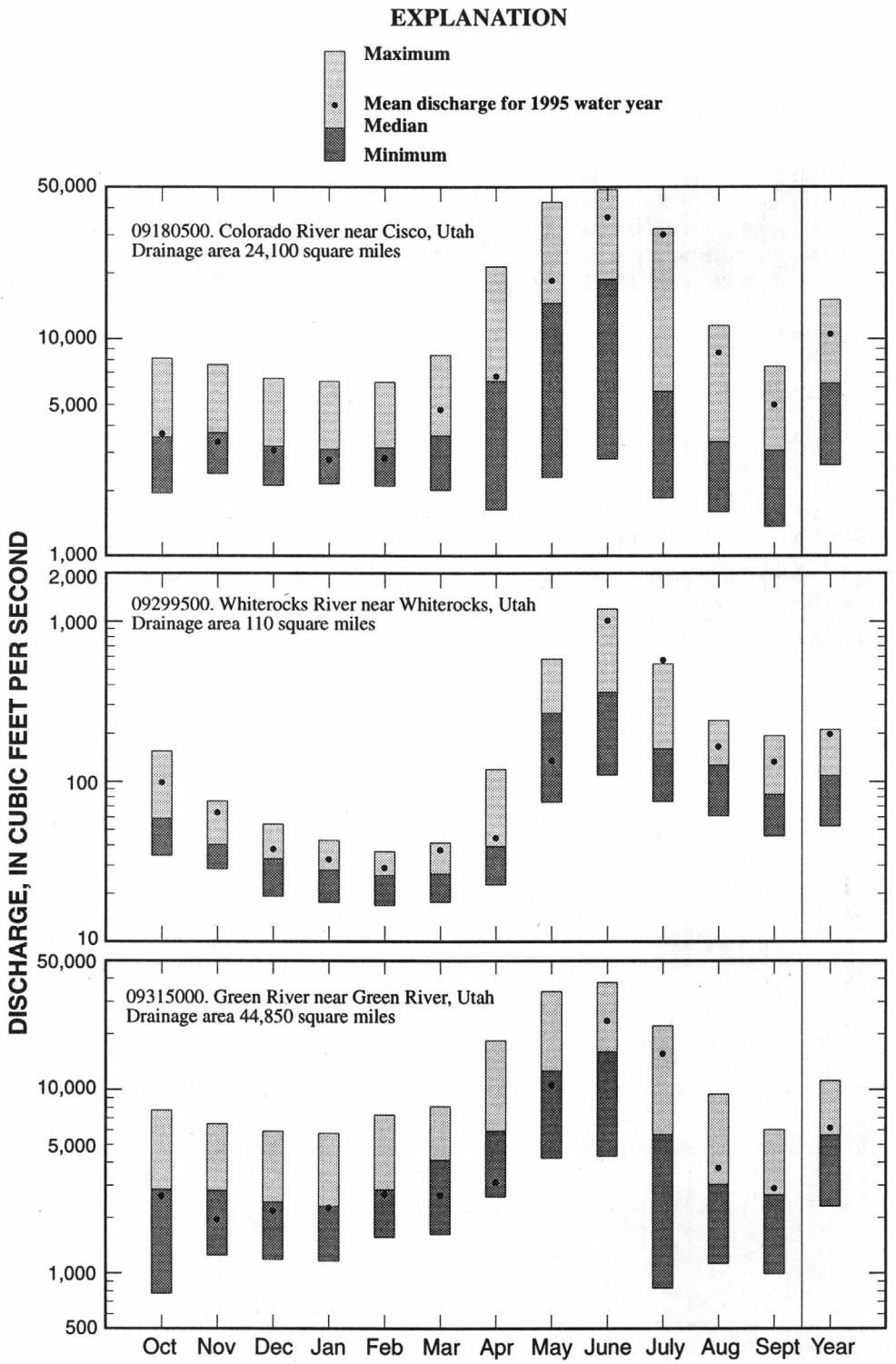

Figure 2. Comparison of monthly and annual mean discharge for water year 1995 with maximum, median, and minimum monthly and annual discharge for water years 1944-94 at seven long-term, representative streamflow gaging stations in Utah.

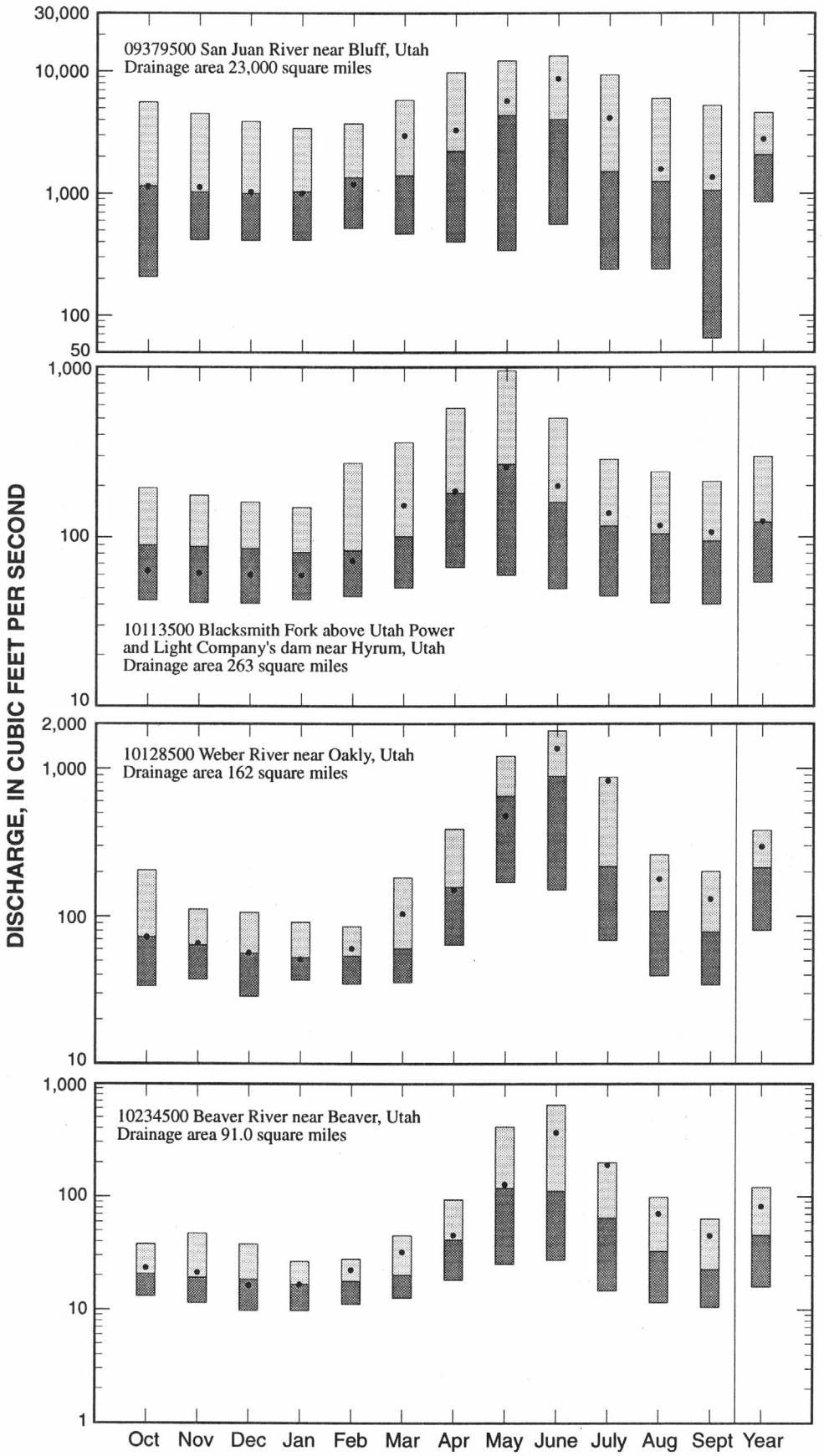

Figure 2. Comparison of monthly and annual mean discharge for water year 1995 with maximum, median, and minimum monthly and annual discharge for water years 1944-94 at seven long-term, representative streamflow gaging stations in Utah--Continued

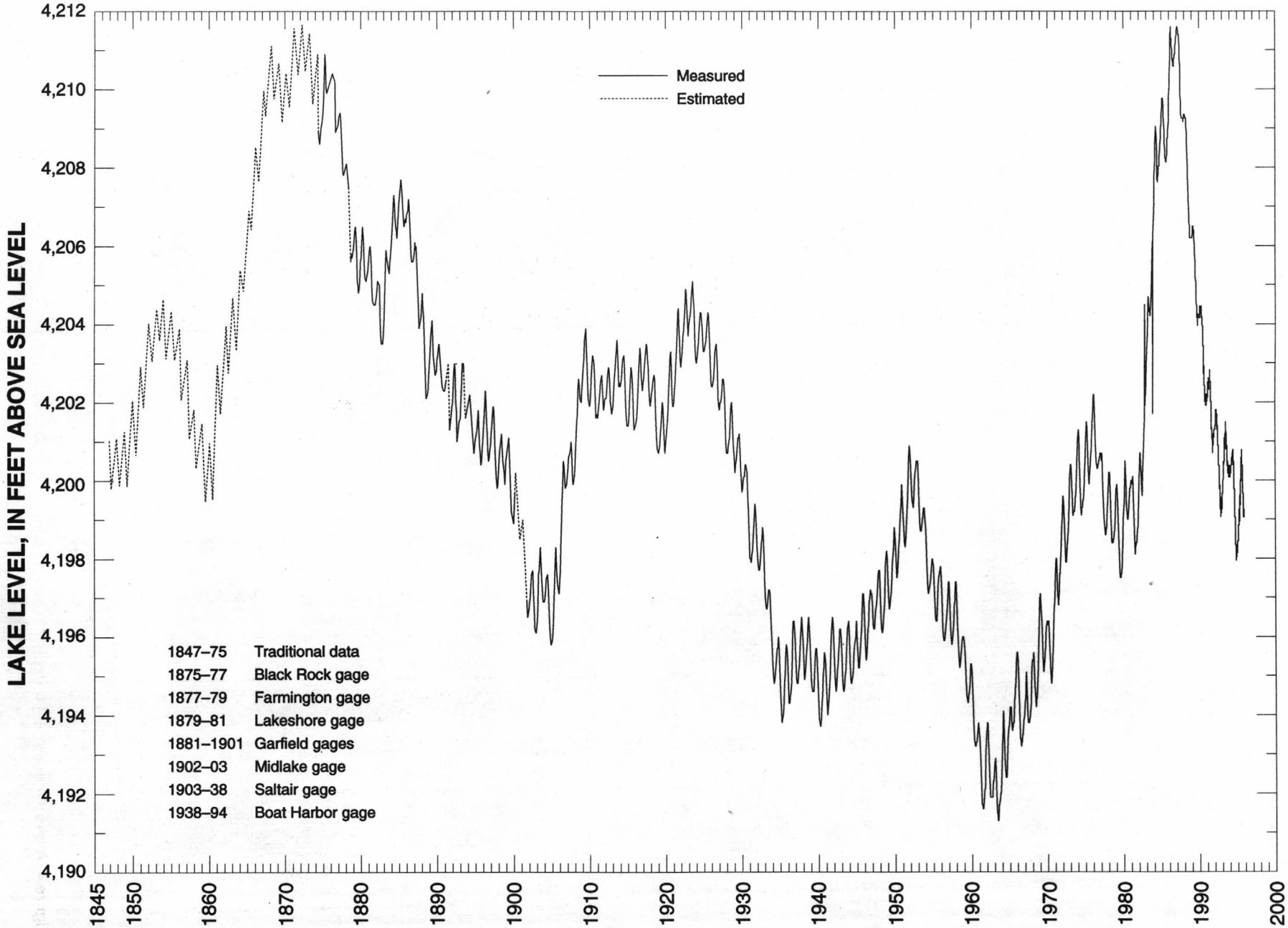

Figure 3. Fluctuations in elevation of Great Salt Lake, 1845-1995.

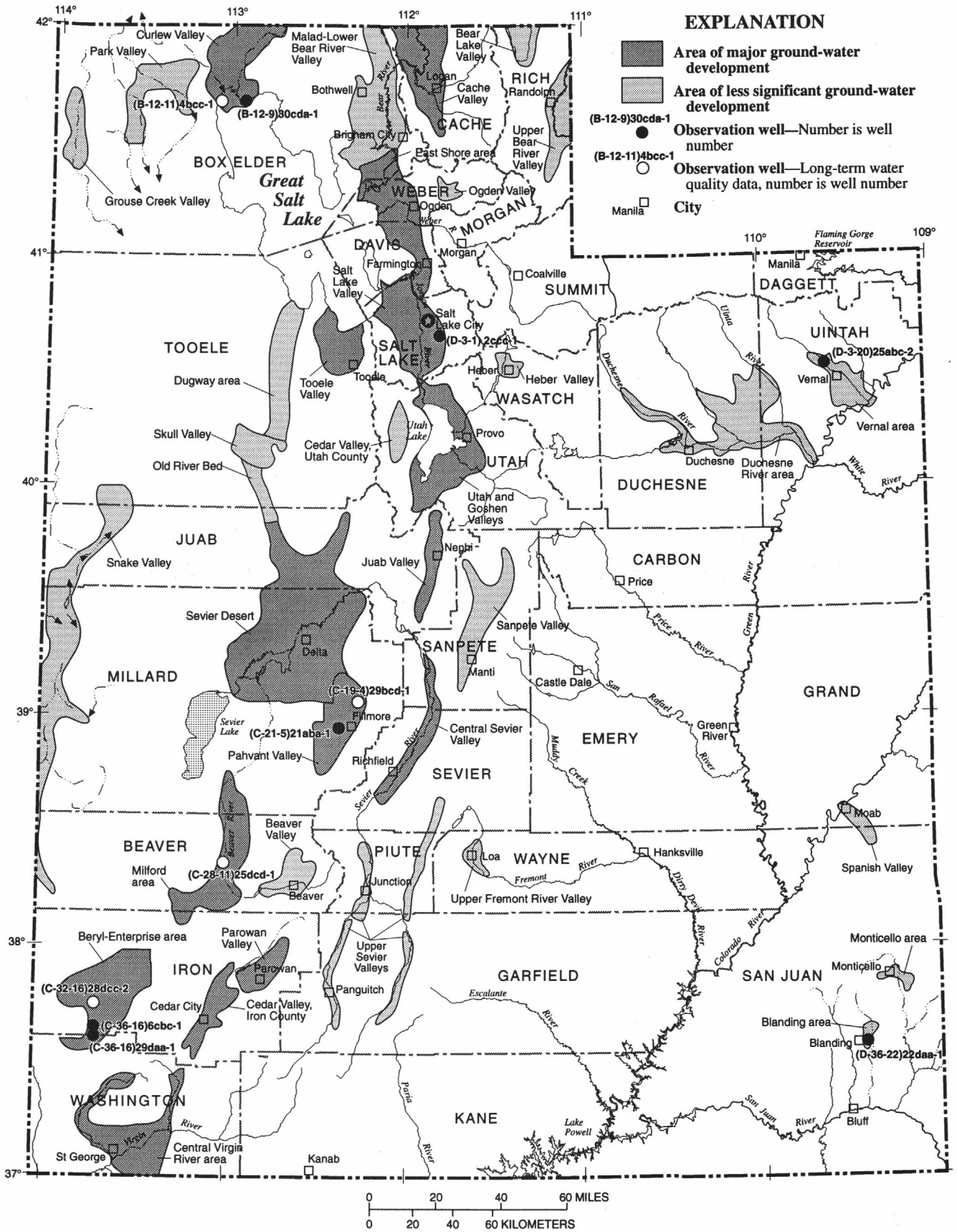

Figure 4. Areas of ground-water development and location of selected observation wells.

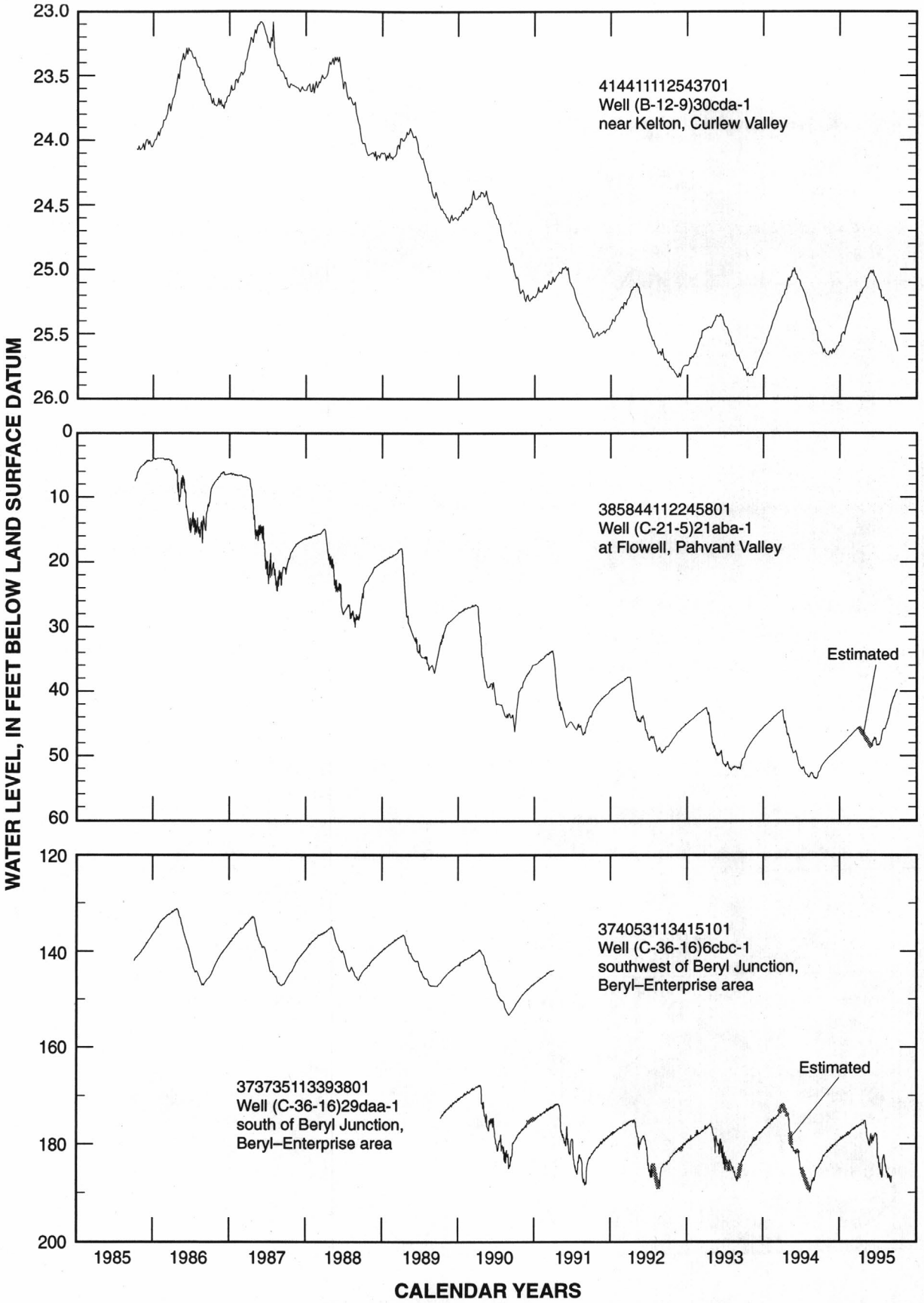

Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1986-95.

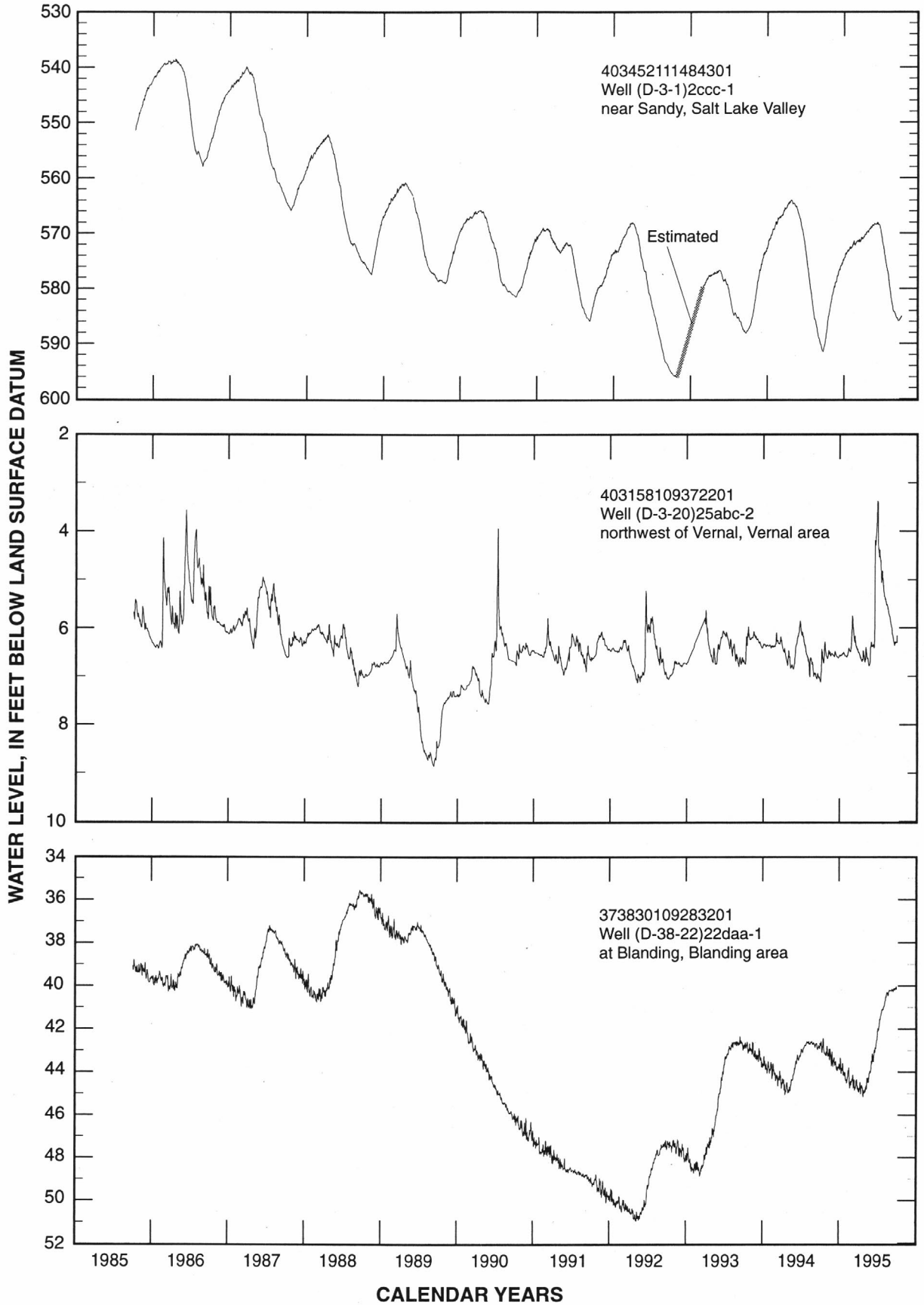

Figure 5. Fluctuations of water levels in selected wells in Utah for water years 1986-95--Continued

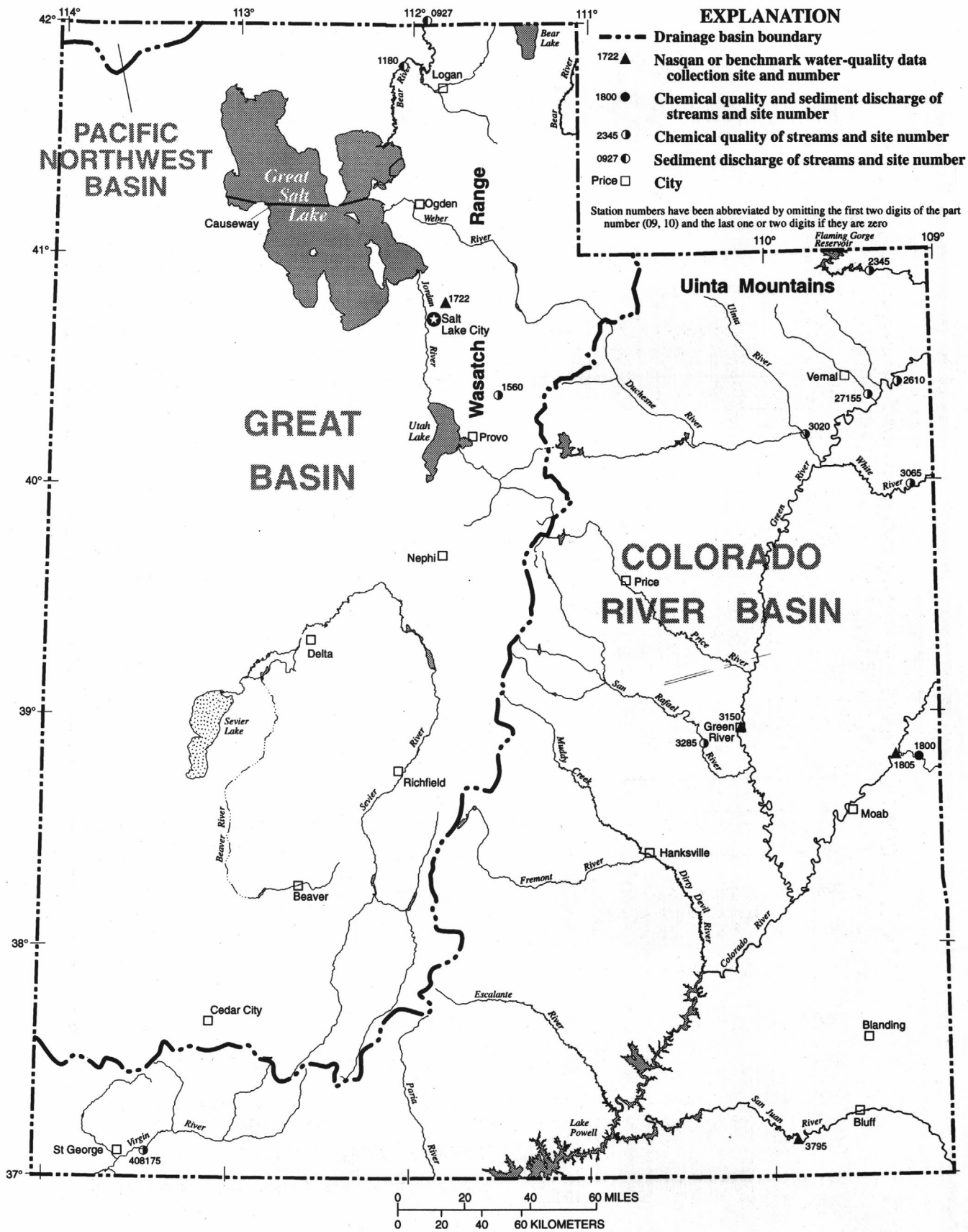

Figure 6. Location of four National Stream-Quality Accounting Network (NASQAN) and hydrologic bench-mark gaging stations, and eleven other gaging stations where water-quality and sediment data were collected in water year 1995.

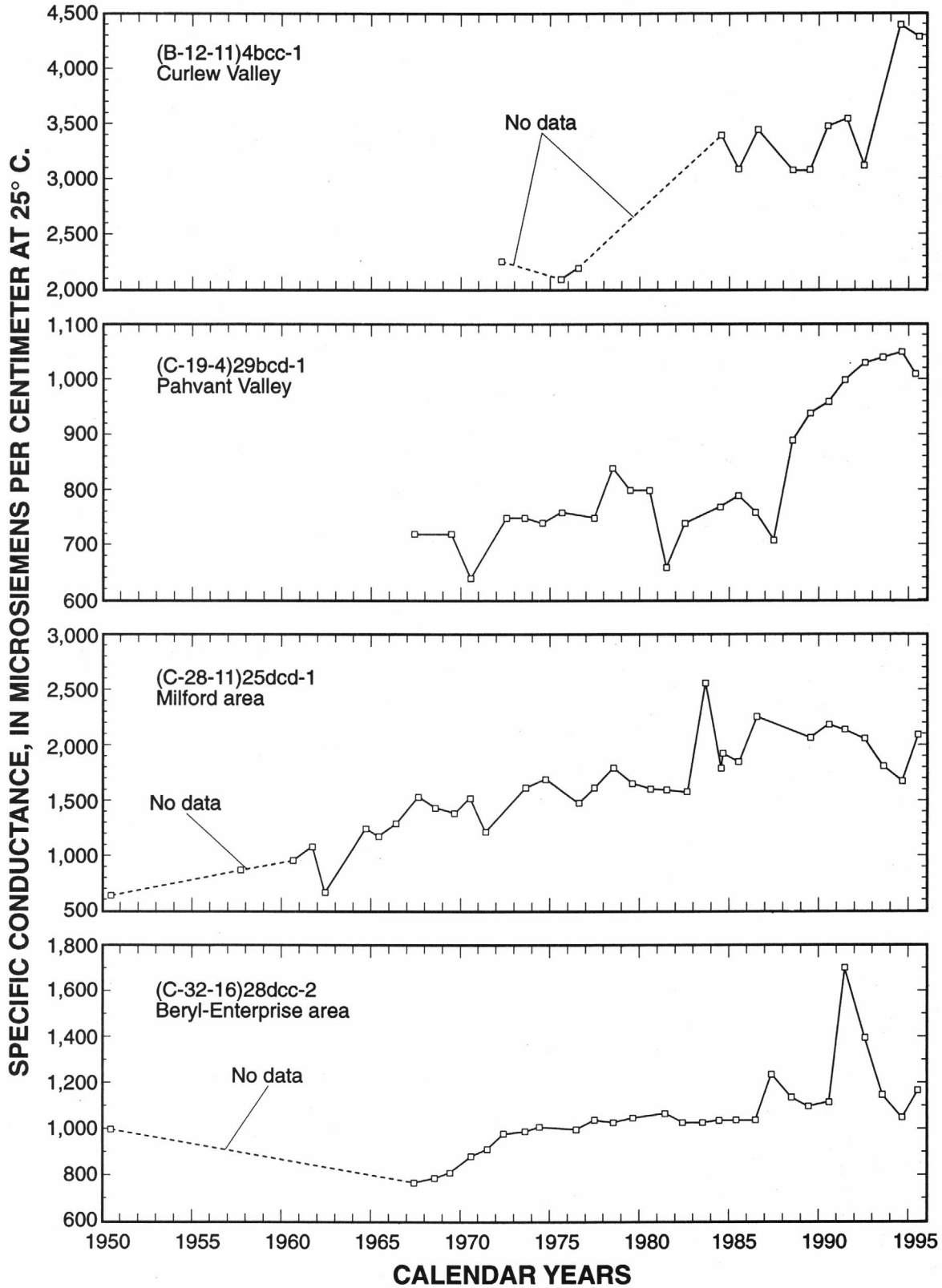

Figure 7. Specific conductance from selected wells located in areas of major ground-water development in Utah, 1950-95.

DEFINITION OF TERMS

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

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

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

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

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

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

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

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

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

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

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

Cubic foot per second (Ft3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

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

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

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

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

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

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the

analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

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

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

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

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents polyvalent cations and is expressed as the equivalent concentration of calcium carbonate ($CaCo_3$).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Solute is any substance that is dissolved in water.

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

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

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

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

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

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

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

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

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

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

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

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

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

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1995, is called the "1995 water year".

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

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

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station number, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are consecutive. The complete 8-digit number for each station such as 090041000, which appears just to the left of the station name, includes a 2-digit part number "03" plus the 6-digit downstream order number "0410100."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

The well and miscellaneous site number system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits are a sequential number for wells within a 1-second

grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, assign sequential numbers "01," "02," etc. as one would for wells. See figure 8.

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 9. 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.

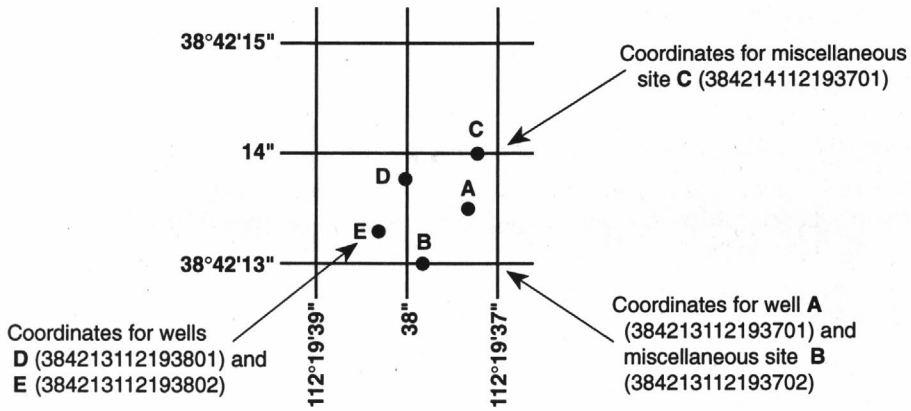

Figure 8. System for numbering wells and miscellaneous sites (Latitude and longitude).

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

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analysis on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 142 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nations rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesigned in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II 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 pes-

ticides, 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 remobilization 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 Trends Network (NTN) is a 150-station network for sampling atmospheric deposition in the United States. The purpose of the network is to determine the variability, both in location and in time, of the composition of atmospheric deposition, which includes snow, rain, sleet and hail. The core from which the NTN was built was the already-existing deposition-monitoring network of the National Atmospheric Deposition Program (NADP).

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 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.

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

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations (fig. 10) 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.

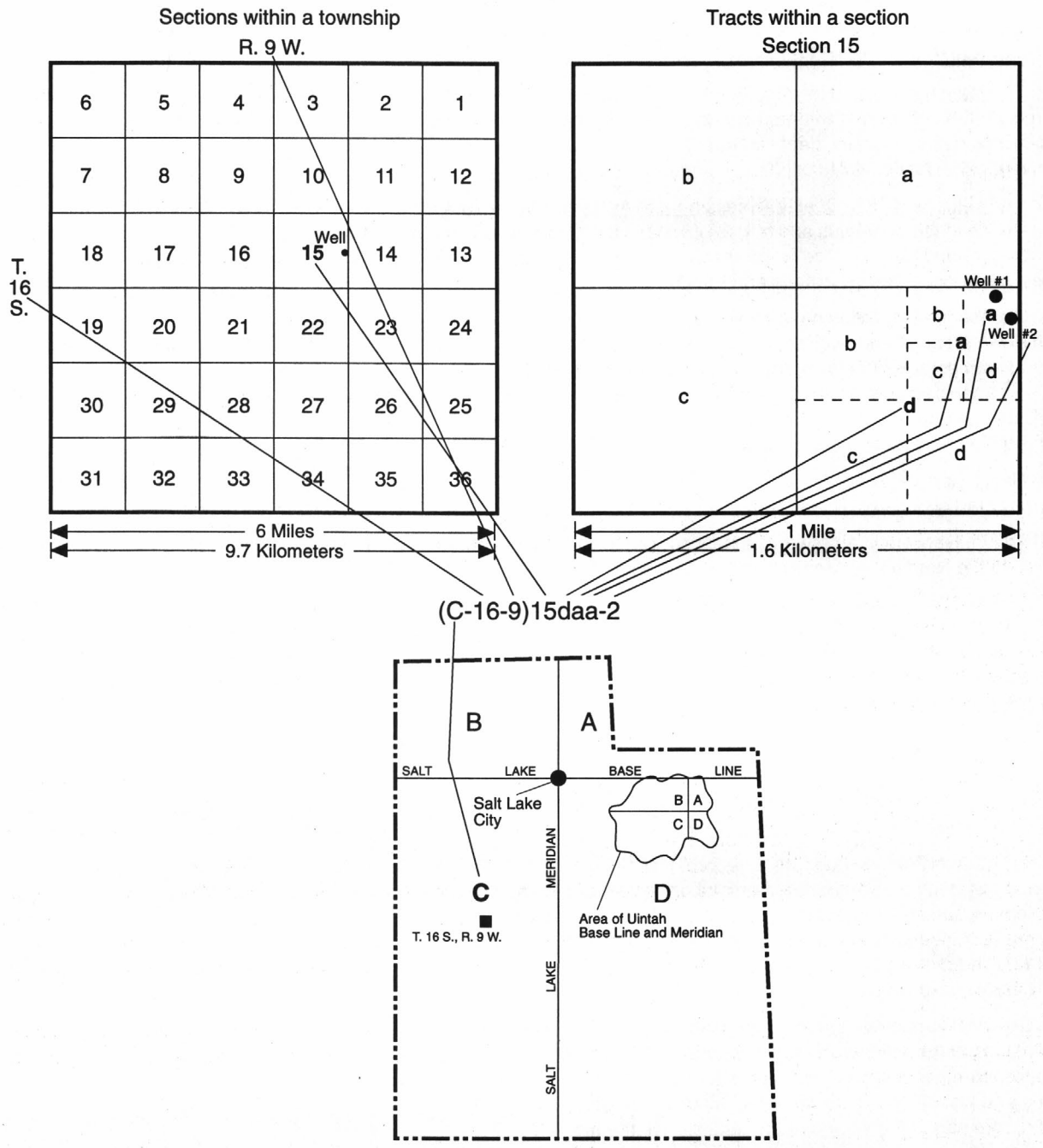

Figure 9. System for numbering wells and miscellaneous sites (township and range).

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

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

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

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

Data Presentation

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

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

Station manuscript

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

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

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

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

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

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

REMARKS.--All periods of estimated daily discharge will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See next section, "Identifying Estimated Daily Dis-

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

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

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

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

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

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript,

occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

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

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year.

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

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

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

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

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

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

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

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

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

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

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

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

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

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

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

Data collected at partial-record stations follow the information for continuos-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuos-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Accuracy of Field Data and Computed Results

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair," within 15 percent. "Poor" means that daily discharges have less that "fair" accuracy. Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between

10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as discharge measurements, gage-height records, and rating tables is available from the district office. Also, most gaging-station records are available in computer-usable form and many statistical analysis have been made.

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

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

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

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

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

Water Analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values for each constituent measured, and are based upon hourly punches beginning at 0l00 hours and ending at 2400 hours for the day of record.

REMARK CODES

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

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

Dissolved Trace-Element Concentrations

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

Change in National Trends Network procedures

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

Water temperature

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

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

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections. During periods of rapidly changing flow or rapidly changing concentration samples may have been collected more frequently (twice daily). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.9927, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment data were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establish-

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

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

Laboratory analysis

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

Accuracy of Laboratory analysis

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

Only ground-water level data from selected wells with continuous recorders from a basic network of observation wells are published herein (fig. 12). This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers

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

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

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

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

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

Access to WATSTORE Data

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey as its National Center in Reston, Virginia, and consists of related files and data bases.

* Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.

* Daily Values File - Contains more than 220 million daily values of stream flows, stages reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.

* Peak Flow file - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.

* Water Quality File - Contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.

* Ground-Water Site Inventory Data Base - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

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

General inquiries about WATSTORE may be directed to:

U.S. Geological Survey

National Water Data Exchange

421 USGS National Center

Reston Virginia 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 51/4 inch floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water0-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division's District office. (See address on the back of the title page). A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado, 80225.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

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

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

2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

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

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

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

2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W. E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.

3-A1. *General field and office procedures for indirect discharge measurements,* by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

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

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

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

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

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

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

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

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

3-A11. *Measurement of discharge by the moving-boat method,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing,* Revised, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS- -TWRI Book 3, Chapter A12. 1986. 34 pages.

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

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

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

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

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F. A. Kilpatrick, R. E. Rathbun, Nobuhiro Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.

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

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

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS--TWRI Book 3, Chapter A21. 1995. 56 pages.

3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction,* by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers,* by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

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

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

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction,* by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. *The principle of superposition and its application in ground-water hydraulics,* by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E. J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 190 pages.

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

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

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

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

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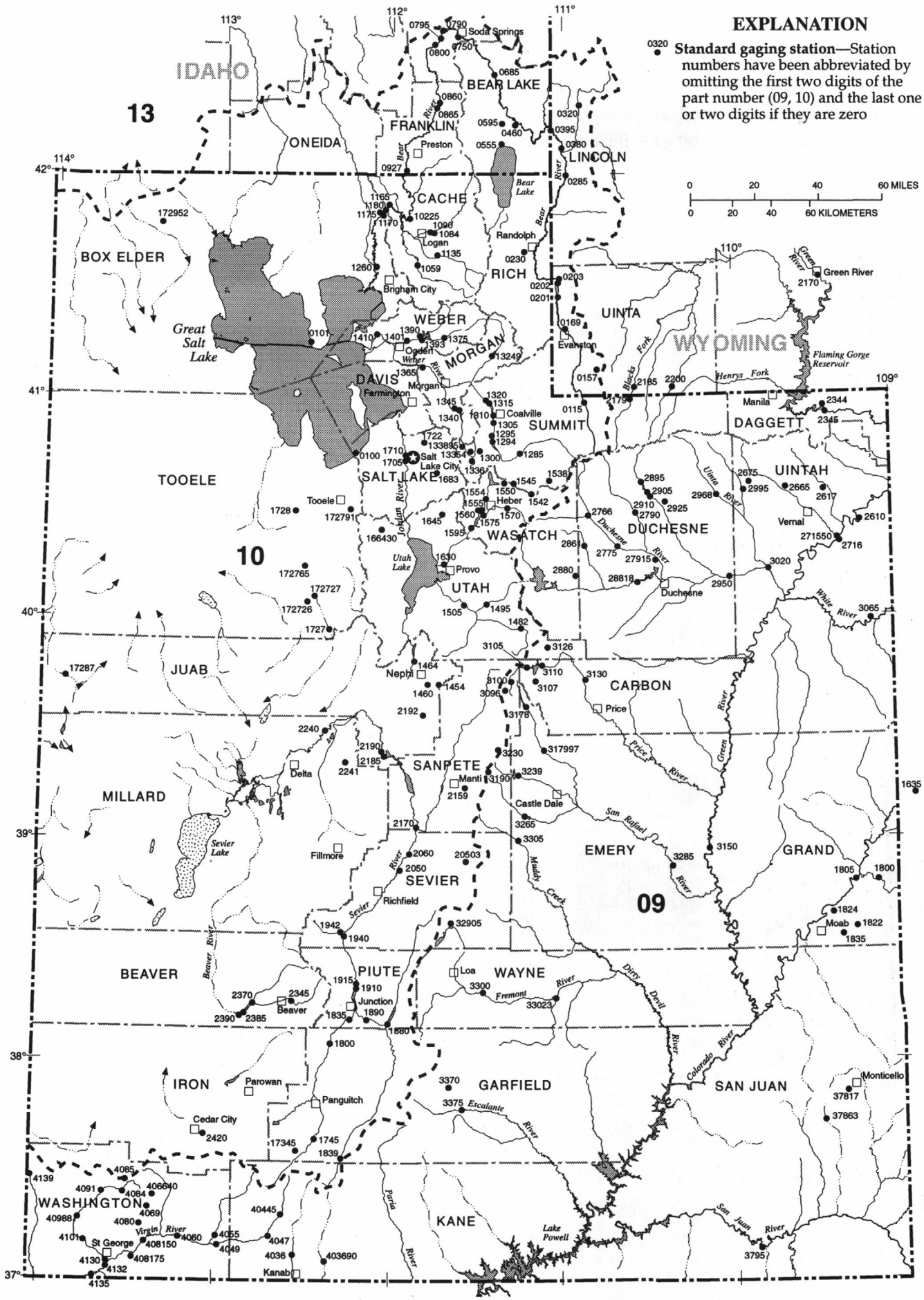

Figure 10. Location of U.S.G.S. gaging stations in Utah.

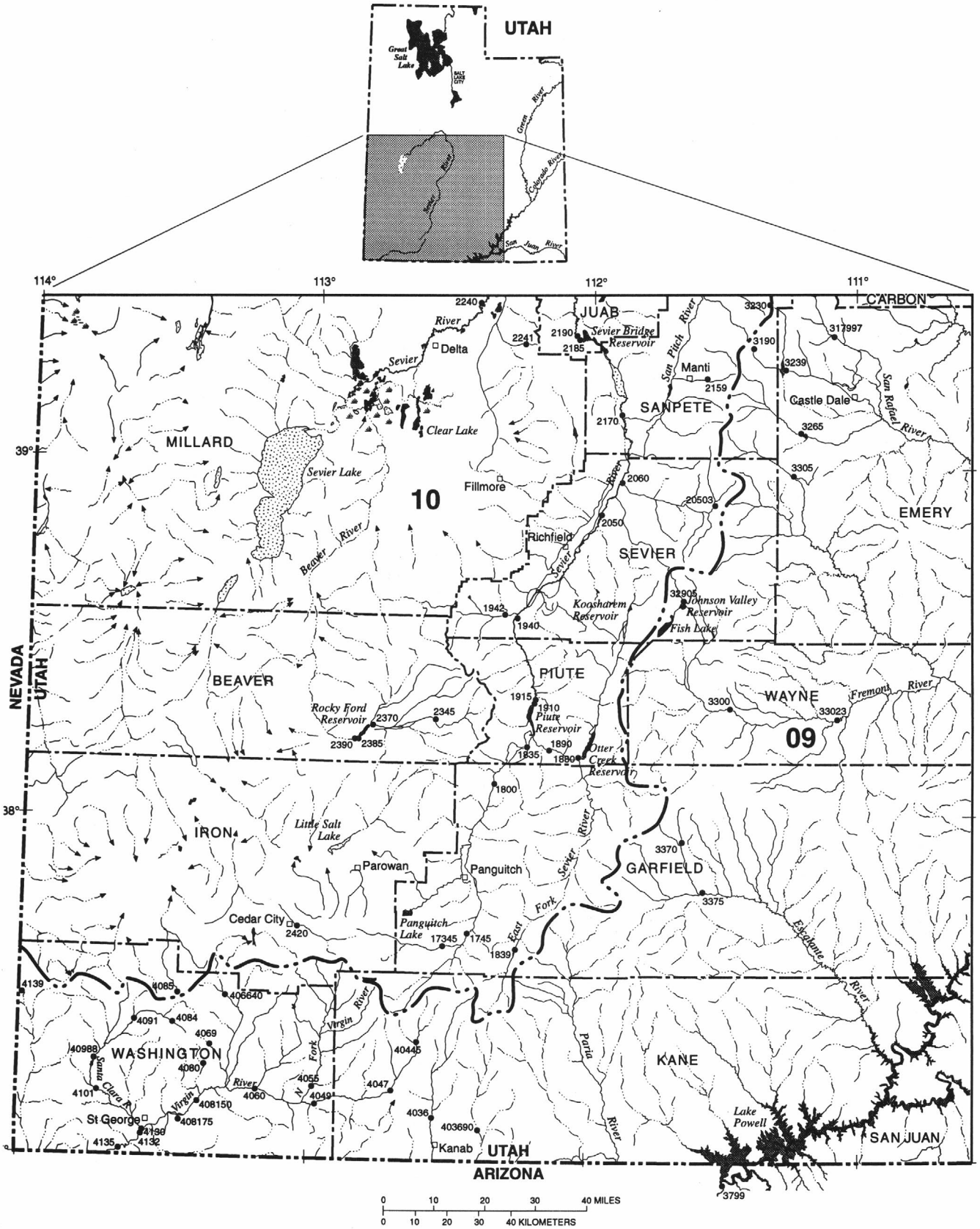

Figure 10. Location of U.S.G.S. gaging stations in Utah--Continued.

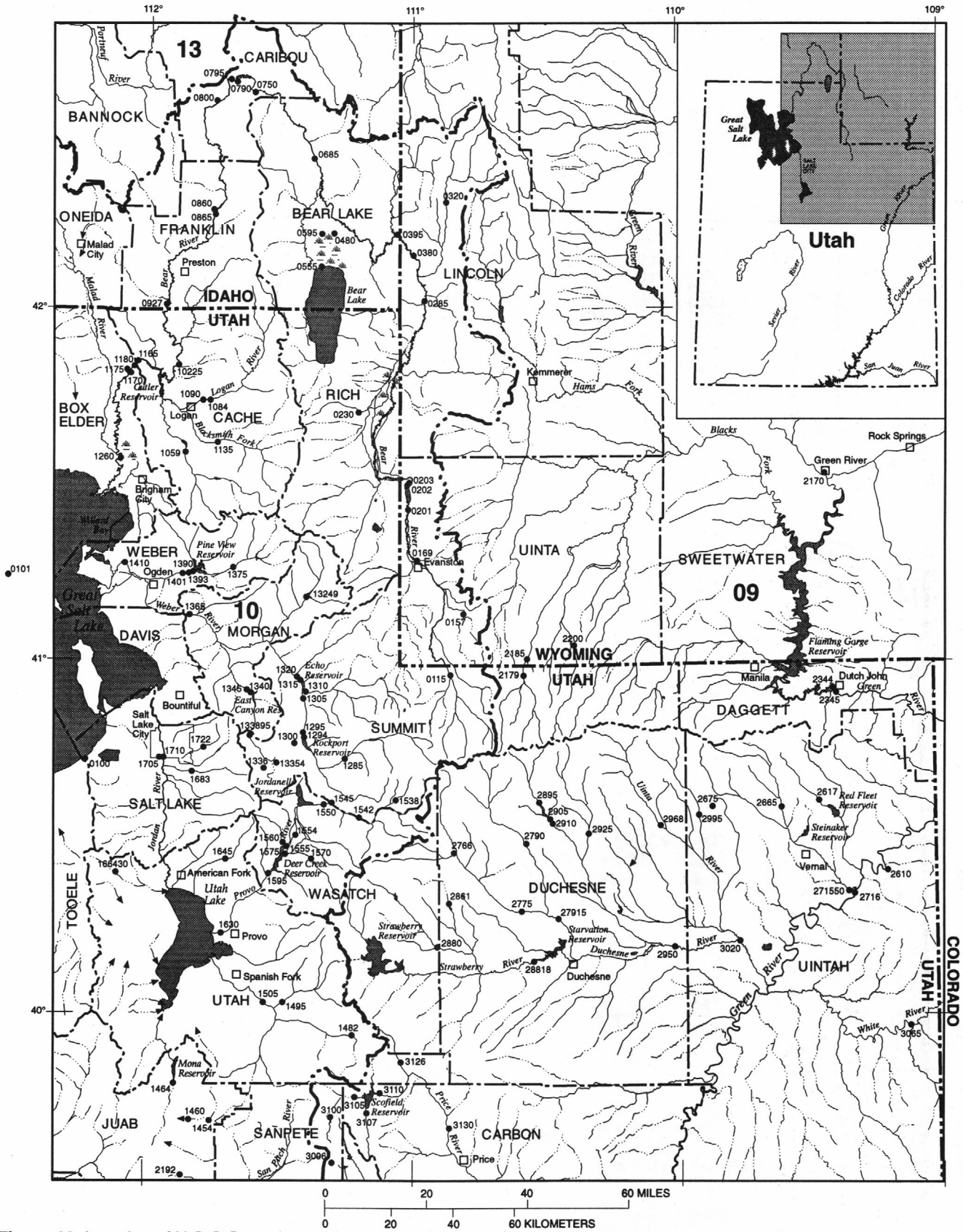

Figure 10. Location of U.S.G.S. gaging stations in Utah--Continued.

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 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 4,325 ft above sea level, from topographic map. May 1951 to October 1979, water-stage recorder at site 5.7 mi upstream at different datum. October 1979 to March 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--No estimated daily discharges. Records fair, Oct. 1 to Apr. 21. Records good, Apr. 22 to Sept. 30. 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 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4050	3420	3300	2960	2550	3040	4570	8280	19000	35000	14700	4970
2	4250	3340	3520	2740	2590	3120	4550	8790	20500	35900	13800	4850
3	4250	3210	3590	2530	2650	3270	4460	10000	23200	36100	12600	4700
4	4100	3360	3490	2520	2670	3250	4390	10100	25500	38500	11800	4680
5	4160	3330	3450	2750	2660	3220	4360	9430	28300	37700	11300	4490
6	3940	3380	3570	2870	2640	3470	4620	9630	31200	34000	11200	3920
7	3750	3470	3830	2960	2610	3760	5060	9610	34300	33000	11000	3790
8	3820	3580	3750	2960	2590	3300	5520	9560	33700	33100	10500	4610
9	3770	3520	3590	2990	2650	2980	5780	9740	32400	33100	9580	4980
10	3740	3570	3300	3060	2750	2950	6430	9440	29700	34100	9040	5330
11	3720	3310	3020	3000	2740	3380	6190	9350	26500	35500	8850	5290
12	3680	3510	2760	3010	2760	3490	5800	10600	26600	36300	8830	5280
13	3630	3480	2820	2910	2810	3920	5180	14100	29700	37400	8580	5120
14	3570	3400	3070	2880	2770	4170	5020	13000	34000	38600	8380	4960
15	3640	3380	3140	2780	3040	4090	5350	12700	37400	37600	8160	4190
16	3880	3230	3180	2790	2830	4100	5350	14800	42300	35000	7760	4070
17	3810	3140	3120	2840	2540	4160	5310	17900	45700	32800	7060	4560
18	3830	3200	3060	2770	2540	4460	5320	19400	48100	31200	6450	4650
19	3920	3580	3080	2510	2610	4780	5650	18700	46600	30000	6090	4930
20	3870	3420	3080	2460	2680	5020	5840	19200	40000	29000	5890	5000
21	3870	3450	3030	2570	2730	5130	6130	20400	39200	28300	6260	4960
22	3870	3500	2930	2590	2710	5040	6320	21600	40000	26200	6110	4360
23	3790	3490	2940	2430	2750	5310	6320	23100	39500	24500	6150	4170
24	3840	3350	3060	2240	2800	5410	6320	23200	37100	23500	6310	4390
25	3650	3230	3110	2330	2840	5350	6170	21500	34500	22000	6470	4480
26	3740	3190	3170	2580	2880	5180	5430	20400	33000	19700	6570	4480
27	3720	3310	3170	2720	2930	4960	5190	18900	32200	17900	6320	4370
28	3690	3410	3070	2810	2960	4550	6090	18500	32400	16800	6160	4350
29	3670	3430	2980	2720	---	4580	6530	17100	32400	15900	6130	4530
30	3670	3300	2900	2600	---	4660	6940	17300	32800	15400	5780	7480
31	3600	---	2940	2600	---	4520	--	20000	---	15100	5320	---
TOTAL	118490	101490	99020	84480	76280	128620	166190	466330	1007800	919200	259150	141940
MEAN	3822	3383	3194	2725	2724	4149	5540	15040	33590	29650	8360	4731
MAX	4250	3580	3830	3060	3040	5410	6940	23200	48100	38600	14700	7480
MIN	3570	3140	2760	2240	2540	2950	4360	8280	19000	15100	5320	3790
AC-FT	235000	201300	196400	167600	151300	255100	329600	925000	1999000	1823000	514000	281500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	3865	3943	3554	3332	3417	3825	5840	14150	17530	8003	3857	3566
MAX	7672	6925	5993	6129	5996	7486	15600	37960	43830	29650	10190	6767
(WY)	1987	1987	1986	1985	1985	1986	1985	1984	1957	1995	1983	1984
MIN	1916	2363	2048	1871	1815	1984	1631	2283	2688	1662	1350	1361
(WY)	1957	1978	1964	1964	1964	1964	1977	1977	1977	1977	1977	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	1590690		3568990			
ANNUAL MEAN	4358		9778		6275	
HIGHEST ANNUAL MEAN					13470	1984
LOWEST ANNUAL MEAN					2559	1977
HIGHEST DAILY MEAN	13100	Jun 2	48100	Jun 18	68300	May 27 1984
LOWEST DAILY MEAN	2020	Jul 30	2240	Jan 24	960	Sep 7 1956
ANNUAL SEVEN-DAY MINIMUM	2250	Jul 28	2450	Jan 19	1110	Sep 2 1956
INSTANTANEOUS PEAK FLOW			49300	Jun 19	[a]69800	May 27 1984
INSTANTANEOUS PEAK STAGE			15.32	Jun 19	[b]16.12	May 27 1984
ANNUAL RUNOFF (AC-FT)	3155000		7079000		4546000	
10 PERCENT EXCEEDS	7610		32300		14000	
50 PERCENT EXCEEDS	3490		4480		3890	
90 PERCENT EXCEEDS	2850		2770		2230	

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

b-From high-water mark.

09180000 DOLORES RIVER NEAR CISCO, UT

LOCATION.--Lat 38°47'50", long 109°11'40", in $SW^1/_4SE^1/_4$ sec. 18, T. 23 S., R. 25 E., Grand County, Hydrologic Unit 14030004, on left bank 0.2 mi downstream from Line Canyon, 9.1 mi upstream from mouth, 13.5 mi downstream from Colorado-Utah State line, and 13.9 mi southeast of Cisco.

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

WATER-DISCHARGE RECORDS

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

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

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

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

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

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

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
May 23	2117	6,240	11.77	July 3	1837	4,600	10.92
June 18	1653	*6,300	*11.80	July 13	0712	3,880	10.51

Minimum daily discharge, 127 $ft^3/_s$ Jan. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	169	146	161	153	223	484	3920	3680	2820	684	422
2	212	170	143	144	158	258	481	3700	3380	3270	647	397
3	232	169	170	128	159	279	514	4560	3360	3700	614	386
4	199	174	177	132	151	292	563	4130	3480	e3200	556	368
5	212	165	199	163	162	300	717	3890	3730	2550	513	347
6	197	161	220	173	171	348	1030	4020	3890	2210	515	329
7	186	164	228	184	173	387	1490	3820	4070	1970	511	323
8	182	171	219	174	166	347	1790	3620	3810	2030	480	412
9	176	165	195	172	175	310	2050	3870	3550	2140	464	458
10	240	165	180	173	188	255	1960	3810	3340	e2200	506	400
11	214	172	146	168	182	247	1480	3590	3090	e2250	452	401
12	197	186	142	166	179	260	1220	3940	3070	e2230	477	363
13	187	188	163	174	175	382	1230	4680	3290	e2300	459	319
14	182	199	162	163	172	639	1660	e3870	3560	2100	489	288
15	175	191	165	158	175	505	1960	4170	3690	2260	493	274
16	204	186	159	158	181	502	1880	5070	3920	e2100	442	261
17	195	184	144	164	177	688	1720	5180	4360	e1900	401	246
18	186	164	154	163	183	935	1830	5480	5620	e1690	380	243
19	197	155	168	145	184	1150	1770	5390	5130	e1520	379	313
20	196	157	154	133	178	1350	1790	5100	5040	1450	369	300
21	191	166	147	127	170	1480	1760	5440	5230	1390	550	257
22	183	170	138	132	168	1690	1690	5540	5280	1250	708	235
23	170	180	146	147	149	e1800	1650	5820	5120	1170	882	218
24	165	188	158	140	142	1520	1670	5680	5000	1110	642	213
25	166	172	186	145	144	1300	1700	4880	4140	931	669	203
26	171	177	199	164	154	1080	1790	4520	3560	907	573	203
27	176	186	193	194	162	878	2210	4310	3060	861	522	206
28	176	181	181	183	184	696	2380	4140	2790	831	523	204
29	174	163	158	180	---	658	2650	4000	2730	801	500	270
30	173	153	150	171	---	605	3090	4430	2890	767	488	667
31	170	---	164	157	---	526	---	4360	---	735	453	---
TOTAL	5882	5191	5254	4936	4715	21890	48209	138930	116860	56643	16341	9526
MEAN	190	173	169	159	168	706	1607	4482	3895	1827	527	318
MAX	240	199	228	194	188	1800	3090	5820	5620	3700	882	667
MIN	165	153	138	127	142	223	481	3590	2730	735	369	203
AC-FT	11670	10300	10420	9790	9350	43420	95620	275600	231800	112400	32410	18890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

MEAN	248	287	226	188	260	500	1946	3046	1788	599	286	208
MAX	617	894	606	370	518	896	5338	8803	3895	1827	665	325
(WY)	1987	1987	1987	1987	1987	1987	1993	1993	1995	1995	1987	1988
MIN	133	145	115	109	168	142	177	397	411	195	91.0	80.6
(WY)	1990	1991	1990	1990	1995	1990	1990	1990	1989	1994	1990	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1987 - 1995	
ANNUAL TOTAL	188801		434377			
ANNUAL MEAN	517		1190		800	
HIGHEST ANNUAL MEAN					1768	1993
LOWEST ANNUAL MEAN					200	1990
HIGHEST DAILY MEAN	3330	May 20	5820	May 23	12900	May 18 1993
LOWEST DAILY MEAN	67	Sep 13	127	Jan 21	34	Aug 12 1990
ANNUAL SEVEN-DAY MINIMUM	74	Aug 6	138	Jan 19	39	Aug 8 1990
ANNUAL RUNOFF (AC-FT)	374500		861600		579300	
10 PERCENT EXCEEDS	1860		3880		2180	
50 PERCENT EXCEEDS	185		363		264	
90 PERCENT EXCEEDS	91		159		121	

e Estimated

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.

WATER TEMPERATURES: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.

SUSPENDED-SEDIMENT DISCHARGE: March 1951 to December 1953, October 1957 to September 1964.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 21,600 microsiemens July 9, 1977; minimum, 240 microsiemens June 22, 1983.

WATER TEMPERATURES: Maximum, 29.0°C Aug. 14, 1958, July 18, 1977, July 24, 1994; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 3,140 microsiemens Jan. 7; minimum observed, 285 microsiemens June 25.

WATER TEMPERATURES: Maximum observed, 24.5°C July 31, Sept. 2; minimum observed, 0.0°C Dec. 12, 21-23.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT											
07...	1030	192	1470	8.4	15.0	14.0	8.3	652	420	110	35
NOV											
16...	1110	196	1540	8.3	4.0	3.5	11.0	647	300	80	25
MAY											
30...	1030	4380	355	8.3	20.0	10.5	9.2	655	140	40	9.4

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT										
07...	140	42	3	7.6	290	210	0.40	5.7	918	888
NOV										
16...	180	56	5	8.9	190	260	0.30	5.0	854	833
MAY										
30...	12	16	0.4	1.8	55	10	0.20	5.2	204	198

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)
OCT										
07...	1.25	476	0.120	0.120	0.010	0.130	0.130	0.070	0.09	<0.010
NOV										
16...	1.16	452	--	--	--	--	--	--	--	--
MAY										
30...	0.28	2410	--	--	<0.010	--	<0.050	0.020	0.03	<0.010

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
OCT		
07...	1030	90
NOV		
16...	1110	60
MAY		
30...	1030	20

09180000 DOLORES RIVER NEAR CISCO, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1600	1460	1730	2010	1860	2340	---	325	365	355	950	1080
2	1920	1510	---	---	1940	---	---	305	365	355	1030	1110
3	2270	1520	---	---	2040	1880	---	---	---	---	---	---
4	2290	1520	1880	---	---	1710	---	310	---	---	1100	1200
5	1530	---	---	2160	2130	---	---	330	---	---	1120	---
6	1310	1550	1910	2280	2130	1670	---	310	---	385	1370	---
7	1420	1570	1660	3140	2260	1740	560	325	340	---	1330	1260
8	---	1650	1620	2130	2280	1630	420	355	340	430	1280	1450
9	1490	1580	1580	2090	---	1530	360	355	340	420	---	1450
10	1520	1600	1660	2040	---	1630	370	335	345	---	---	1320
11	1520	1540	1560	1890	---	---	370	320	350	---	---	1550
12	1810	1560	1580	1830	---	1550	425	310	355	345	---	1280
13	1070	1650	1800	1920	2070	1950	550	---	340	350	1280	---
14	1160	1570	2120	---	2050	---	---	340	325	365	---	1210
15	1320	1490	2160	2030	2190	1070	425	335	305	425	1200	---
16	1420	---	1770	---	2140	1130	380	300	300	425	1110	1560
17	1490	1430	2220	2130	2190	960	390	325	335	490	1110	---
18	---	---	1860	2360	---	750	410	310	345	590	1200	1630
19	1540	1420	2290	2260	2330	---	420	310	---	660	1200	---
20	1410	1420	1980	2290	2350	550	425	310	345	680	1280	1680
21	1460	1520	2190	2240	1810	520	430	300	315	720	---	---
22	1380	1750	1870	2190	1720	470	430	305	300	---	1220	1710
23	1340	1760	2100	2390	---	490	435	305	300	---	980	1720
24	1380	1770	2150	2450	1840	420	445	310	290	810	1260	---
25	1430	1680	2510	2680	---	430	450	320	285	860	---	1910
26	1470	---	2200	2680	---	480	455	325	---	900	830	1930
27	1540	1700	2180	2450	---	540	435	330	---	---	800	---
28	1490	---	---	2390	---	---	365	345	320	---	980	2180
29	1480	1650	---	1850	---	690	355	340	335	---	1120	2170
30	1450	1660	---	1890	---	820	335	355	330	960	---	---
31	1460	---	1780	2180	---	---	---	---	---	980	1140	---
MEAN	1520	1580	1930	2230	2080	1120	419	323	329	576	1130	1550

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.5	1.0	.5	4.5	10.5	---	11.0	14.0	15.0	21.0	21.5
2	16.5	7.5	---	---	4.5	---	---	10.0	14.5	15.5	20.5	24.5
3	14.5	8.0	---	---	6.0	10.0	---	---	---	---	---	---
4	13.0	6.5	2.0	---	---	8.5	---	9.5	---	---	21.0	22.0
5	14.0	---	---	.5	4.0	---	---	12.0	---	---	22.0	---
6	13.0	6.5	2.5	2.0	6.5	9.0	---	10.0	---	15.5	24.0	---
7	13.0	6.0	3.0	1.0	4.5	7.5	13.0	10.0	14.5	---	21.0	21.5
8	---	8.5	1.0	2.0	5.0	8.0	13.0	11.0	14.0	18.0	22.0	20.0
9	12.5	7.0	1.5	4.0	---	6.0	9.5	11.5	13.0	18.0	---	19.5
10	12.0	6.5	.5	3.0	---	9.5	8.0	11.5	13.0	---	---	19.5
11	12.0	7.5	1.0	5.0	---	---	6.0	11.0	14.0	---	---	18.5
12	12.5	8.0	.0	5.5	---	9.5	8.0	10.5	14.5	18.0	---	18.0
13	12.5	7.0	.5	4.5	6.0	9.5	12.0	---	14.5	18.0	22.5	---
14	12.5	4.0	1.5	---	7.0	---	---	12.5	14.0	18.0	---	18.0
15	11.0	2.5	1.5	6.0	5.0	11.5	9.0	12.0	16.0	17.0	21.0	---
16	9.5	---	1.0	---	4.5	13.0	10.0	13.0	16.0	17.5	21.5	21.0
17	9.0	3.0	.5	3.5	5.5	13.5	9.0	11.5	14.0	21.0	20.0	---
18	---	---	.5	1.5	---	13.5	8.5	10.0	11.5	18.0	21.0	18.0
19	9.5	3.0	.5	1.5	5.5	---	8.0	11.0	---	18.0	21.5	---
20	12.5	3.0	.5	2.0	8.0	11.5	8.5	13.0	14.0	18.0	20.0	17.0
21	9.5	4.0	.0	3.0	6.0	9.5	10.0	13.0	15.5	19.5	---	---
22	10.0	4.0	.0	2.5	10.5	9.5	8.0	13.0	15.0	---	21.5	17.5
23	10.0	3.0	.0	1.5	---	10.5	9.5	12.5	14.5	---	22.5	12.5
24	10.0	1.5	2.0	.5	10.0	9.0	12.0	12.5	14.5	18.5	22.0	---
25	9.0	---	3.5	3.0	---	7.0	12.0	12.0	15.5	23.0	---	15.5
26	9.0	---	4.0	3.0	---	8.0	10.0	11.5	---	19.0	23.5	13.5
27	9.5	---	4.0	5.0	---	7.0	10.5	11.0	---	---	23.0	---
28	9.0	---	---	3.0	---	---	13.0	11.0	16.0	---	22.0	16.0
29	9.5	---	---	2.5	---	6.5	11.0	11.0	16.0	---	21.0	15.0
30	10.0	---	---	3.0	---	9.0	12.0	10.0	16.5	22.0	---	---
31	8.0	---	3.0	4.0	---	---	---	---	---	24.5	21.0	---
MEAN	11.3	5.5	1.4	2.8	6.1	9.5	10.0	11.4	14.6	18.6	21.6	18.4

09180500 COLORADO RIVER NEAR CISCO, UT

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

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

WATER-DISCHARGE RECORDS

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

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

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

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

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

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

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

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 24	0501	29,000	11.33	June 18	2219	*51,900	*17.04
June 7	1547	37,800	13.66				

Minimum discharge, 2,300 ft³/s Jan. 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3480	3390	3100	2980	2660	3140	4930	10600	22500	35600	14700	5460
2	3770	3310	3220	2820	2680	3270	4860	11300	22800	37300	13900	5260
3	3820	3170	3380	2460	2760	3420	4810	12500	25000	38300	12700	5140
4	3840	3270	3300	2450	2790	3440	4800	13100	27700	39000	11900	5030
5	3900	3300	3280	2680	2780	3460	4900	12200	30400	39300	11300	4960
6	3850	3320	3460	2810	2760	3680	5250	12400	33400	35200	11100	4470
7	3610	3380	3680	2980	2770	4020	6100	12400	36900	33200	11000	4140
8	3610	3500	3690	2970	2770	3700	6800	12200	37000	33500	10700	4900
9	3600	3530	3500	2980	2770	3300	7320	12500	35800	33300	9760	5300
10	3610	3570	3260	3030	2880	3120	7930	12400	33200	34400	9150	5560
11	3600	3420	2900	3050	2880	3440	7280	12200	29500	35800	8860	5610
12	3520	3440	2690	3020	2870	3550	6610	13100	28300	36900	8950	5560
13	3460	3580	2610	3000	2930	4020	6000	16900	30900	37500	8640	5400
14	3430	3380	2890	2910	2910	4580	6160	16800	34900	38700	8520	5230
15	3430	3470	2990	2850	3050	4440	6790	15800	38600	38300	8380	4770
16	3870	3290	3080	2860	3100	4440	6840	17800	42700	36100	8050	4170
17	3680	3160	2990	2880	2810	4600	6470	21100	46800	33400	7460	4690
18	3630	3110	2920	2870	2670	4970	6630	23200	50300	31500	6840	4730
19	3770	3430	2930	2680	2720	5620	7050	23100	51400	30000	6450	5060
20	3770	3440	2930	2530	2780	5970	7250	23100	45600	29100	6210	5150
21	3730	3450	2890	2570	2810	6380	7460	24400	42900	28400	6560	5130
22	3730	3490	2790	2660	2830	6470	7560	26000	43600	26500	6760	4770
23	3710	3520	2770	2580	2830	6970	7460	27400	43400	24500	6780	4320
24	3730	3420	2880	2430	2850	6810	7420	28300	41500	23500	6820	4420
25	3570	3290	3010	2380	2860	6580	7440	26300	38000	22100	6960	4620
26	3620	3210	3080	2640	2870	6210	7240	24800	35500	20200	7070	4600
27	3640	3330	3140	2860	2940	5910	6980	23200	34100	17900	6820	4530
28	3610	3400	3110	2890	3020	5390	7640	22300	33700	16900	6600	4460
29	3590	3330	2980	2890	---	5210	8570	21000	33700	15900	6620	4590
30	3600	3110	2890	2780	---	5280	9140	20300	33800	15300	6300	7080
31	3550	---	2900	2700	---	5040	---	23300	---	15000	5880	---
TOTAL	113330	101010	95240	86190	79350	146430	201690	572000	1083900	932600	267740	149110
MEAN	3656	3367	3072	2780	2834	4724	6723	18450	36130	30080	8637	4970
MAX	3900	3580	3690	3050	3100	6970	9140	28300	51400	39300	14700	7080
MIN	3430	3110	2610	2380	2660	3120	4800	10600	22500	15000	5880	4140
AC-FT	224800	200400	188900	171000	157400	290400	400100	1135000	2150000	1850000	531100	295800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1995, BY WATER YEAR (WY)

MEAN	3934	3766	3264	3059	3242	3777	8378	19560	22530	9210	4295	3637
MAX	9416	7601	6588	6371	6326	8412	22590	42090	55530	31750	11400	11330
(WY)	1942	1987	1987	1985	1985	1985	1942	1984	1917	1957	1984	1929
MIN	1353	1730	2044	1900	2015	2009	1638	2322	2820	1057	1017	1078
(WY)	1935	1935	1940	1937	1935	1977	1977	1977	1977	1934	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1914 - 1995	
ANNUAL TOTAL	1648690		3828590			
ANNUAL MEAN	4517		10490		7393	
HIGHEST ANNUAL MEAN					14930	1984
LOWEST ANNUAL MEAN					2631	1977
HIGHEST DAILY MEAN	15000	May 21	51400	Jun 19	73200	Jun 19 1917
LOWEST DAILY MEAN	1910	Jul 30	2380	Jan 25	640	Jul 21 1934
ANNUAL SEVEN-DAY MINIMUM	2070	Aug 3	2540	Jan 20	736	Jul 15 1934
ANNUAL RUNOFF (AC-FT)	3270000		7594000		5356000	
10 PERCENT EXCEEDS	8720		33300		18900	
50 PERCENT EXCEEDS	3450		4800		3810	
90 PERCENT EXCEEDS	2640		2850		2230	

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1941 to September 1952, October 1954 to September 1981, March 1982 to current year.

WATER TEMPERATURES: May 1949 to September 1959, October 1964 to September 1981, March 1982 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1930 to September 1984.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,820 microsiemens Dec. 13, 1957; minimum daily, 291 microsiemens May 31, 1953.

WATER TEMPERATURES: Maximum, 29.0°C July 29, 1966; minimum, 0.0°C on many days during winter period most years.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 69,000 mg/L Oct. 27, 1951; minimum daily mean, 4 mg/L Aug. 22, 1960.

SEDIMENT LOADS: Maximum daily, 2,790,000 tons Oct. 14, 1941; minimum daily, 14 tons Aug. 22, 1960.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,380 microsiemens Dec. 15, 16; minimum observed, 295 microsiemens July 13.

WATER TEMPERATURES: Maximum daily, 23.0°C several days in August; minimum observed, 0.0°C many days during winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	NITRO-GEN DIS-SOLVED (MG/L AS N)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT												
06...	1030	3860	1310	8.4	16.0	14.0	--	9.0	650	--	--	--
NOV												
17...	1130	3170	1390	8.3	7.0	4.0	26	11.0	650	--	--	--
MAR												
23...	1030	6840	690	8.2	9.0	9.0	320	10.0	652	--	--	--
MAY												
19...	1230	23800	440	8.2	22.0	13.0	--	8.9	660	--	--	--
JUN												
28...	1130	34800	315	8.1	22.0	15.5	60	8.9	657	--	K12	36
JUL												
19...	1230	29500	350	8.0	16.0	16.0	--	7.9	658	--	--	--
SEP												
22...	1200	4700	1110	8.5	19.5	16.0	28	8.2	660	0.84	--	--

DATE	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT											
06...	440	120	35	100	33	2	4.4	--	--	--	360
NOV											
17...	420	110	35	120	38	3	4.1	0	214	176	340
MAR											
23...	220	59	18	54	34	2	3.4	0	152	125	150
MAY											
19...	150	41	11	24	26	0.9	2.0	--	--	--	84
JUN											
28...	120	33	8.2	15	22	0.6	1.4	0	89	73	56
JUL											
19...	130	36	8.7	18	23	0.7	1.6	--	--	--	62
SEP											
22...	370	100	28	79	32	2	4.1	7	180	159	300

K Results based on colony count outside acceptable range (non-ideal colony count).

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

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

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT											
06...	100	0.40	12	888	839	1.21	9250	0.730	--	<0.010	0.730
NOV											
17...	130	0.40	9.6	900	856	1.22	7700	--	--	--	--
MAR											
23...	53	0.30	10	435	425	0.59	8030	0.360	0.360	0.010	0.370
MAY											
19...	16	0.20	9.2	260	255	0.35	16700	0.270	--	<0.010	0.270
JUN											
28...	12	0.30	9.9	188	180	0.26	17700	0.150	0.150	0.020	0.170
JUL											
19...	15	0.20	9.3	208	199	0.28	16600	0.170	--	<0.010	0.170
SEP											
22...	81	0.40	11	740	703	1.01	9390	0.640	--	<0.010	0.640

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4)
OCT											
06...	0.730	0.020	0.03	--	--	--	--	--	--	<0.010	--
NOV											
17...	--	--	--	--	--	--	--	--	--	--	--
MAR											
23...	0.370	0.070	0.09	0.33	0.40	--	0.77	0.040	<0.010	0.010	0.03
MAY											
19...	0.270	0.050	0.06	--	--	--	--	--	--	0.010	0.03
JUN											
28...	0.170	0.080	0.10	0.12	0.20	--	0.37	0.060	<0.010	0.020	0.06
JUL											
19...	0.170	<0.015	--	--	--	--	--	--	--	0.010	0.03
SEP											
22...	0.640	<0.015	--	--	<0.20	0.20	--	0.010	0.020	0.010	0.03

DATE	TIME	ALUMINUM, DISSOLVED (UG/L AS AL)	BARIUM, DISSOLVED (UG/L AS BA)	COBALT, DISSOLVED (UG/L AS CO)	IRON, DISSOLVED (UG/L AS FE)	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
NOV							
17...	1130	<10	57	<3	4	48	9
MAR							
23...	1030	20	66	<3	29	23	3
SEP							
22...	1200	10	58	<3	5	41	3

DATE	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)
NOV						
17...	<10	1	5	<1.0	1200	<6
MAR						
23...	<10	1	2	<1.0	580	<6
SEP						
22...	<10	<1	5	<1.0	1100	<6

DATE	TIME	BORON, DISSOLVED (UG/L AS B)
OCT		
06...	1030	90
MAY		
19...	1230	30
JUL		
19...	1230	30

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
17...	1130	3170	4.0	110	95	941
17...	1131	3170	4.0	103	94	882
17...	1132	3170	4.0	79	94	676
17...	1133	3170	4.0	90	94	770
17...	1134	3170	4.0	118	87	1010
17...	1135	3170	4.0	100	93	856
MAR						
23...	1030	6840	9.0	407	92	7520
23...	1031	6840	9.0	897	82	16600
23...	1032	6840	9.0	973	84	18000
23...	1033	6840	9.0	1100	89	20200
23...	1034	6840	9.0	1160	96	21500
23...	1035	6840	9.0	892	89	16500
JUN						
28...	1130	34800	15.5	307	--	28800
28...	1131	34800	15.5	356	--	33400
28...	1132	34800	15.5	301	--	28300
28...	1133	34800	15.5	276	--	25900
28...	1134	34800	15.5	258	--	24200
28...	1135	34800	15.5	321	64	30200
SEP						
22...	1200	4700	16.0	71	--	901
22...	1201	4700	16.0	82	--	1040
22...	1202	4700	16.0	74	--	939
22...	1203	4700	16.0	79	--	1000
22...	1204	4700	16.0	79	--	1000
22...	1205	4700	16.0	77	--	977

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1330	1200	1170	1230	1270	1240	870	620	475	320	540	940
2	1340	1220	1190	1250	1260	1200	880	570	460	340	570	980
3	1330	1220	1180	1210	1240	1180	870	580	430	345	560	1010
4	1330	1240	1210	1230	1260	1170	790	580	400	350	560	1020
5	1300	1270	1220	1240	1300	1230	940	570	395	350	580	1030
6	1250	1290	1150	1260	1270	1230	850	570	375	360	590	1040
7	1280	1330	1200	1370	1270	1260	830	580	355	355	640	1120
8	1250	1310	1220	1310	1260	1160	800	570	345	340	660	---
9	1300	1330	1210	1280	1250	1330	750	590	340	330	680	1200
10	1250	1280	1250	1260	1260	1250	720	600	355	315	720	1070
11	1280	1280	1220	---	1270	1290	660	590	370	305	730	1060
12	1220	1260	1210	---	1260	1280	690	580	375	300	740	1040
13	---	1270	1230	1190	1260	1210	700	580	330	295	740	1020
14	1240	1290	1240	1200	1270	1110	730	590	315	390	760	1030
15	1280	1330	1380	1230	1240	1040	730	550	310	320	790	1040
16	1300	1300	1380	1250	1260	990	720	520	310	320	840	1080
17	1310	1300	1310	1260	1210	920	---	495	360	330	870	1160
18	1260	1300	1260	1280	1270	780	750	485	330	335	890	1210
19	1260	1320	1220	1280	1330	770	740	470	335	345	485	1100
20	1240	1280	1220	1270	1290	800	720	455	330	365	480	1100
21	1230	1220	1210	1290	1290	810	710	440	315	360	500	1110
22	1230	1240	1240	1290	1260	810	710	420	305	375	890	1090
23	1220	1210	1250	1300	---	---	690	415	300	385	910	1120
24	1210	1200	1260	1290	1240	830	680	400	305	390	940	1180
25	1220	1210	1250	1280	1230	900	670	405	315	400	880	1230
26	1210	1200	1260	1300	1230	880	680	410	320	410	920	1210
27	1200	1220	1250	1270	1240	950	720	430	320	440	910	1180
28	1200	1250	1230	1350	1230	810	740	445	320	440	910	1180
29	1220	1220	1220	1340	---	800	690	450	310	455	920	1170
30	1200	1240	1220	1280	---	830	630	470	330	465	920	1260
31	1240	---	1210	1270	---	870	---	495	---	470	920	---
MEAN	1260	1260	1230	1270	1260	1030	747	514	348	365	743	1100

09180500 COLORADO RIVER NEAR CISCO, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.0	10.0	2.0	4.0	6.0	10.0	12.0	12.0	14.0	15.0	20.0	21.0
2	15.0	10.0	2.0	4.0	6.0	10.0	12.0	12.0	14.0	15.0	20.0	21.0
3	14.0	10.0	2.0	4.0	6.0	10.0	14.0	12.0	14.0	15.0	20.0	21.0
4	14.0	10.0	2.0	4.0	6.0	10.0	14.0	12.0	14.0	15.0	20.0	21.0
5	14.0	10.0	2.0	4.0	6.0	10.0	14.0	12.0	14.0	16.0	20.0	21.0
6	14.0	10.0	2.0	4.0	7.0	12.0	14.0	12.0	14.0	16.0	20.0	21.0
7	14.0	10.0	2.0	4.0	7.0	12.0	14.0	12.0	14.0	16.0	22.0	20.0
8	14.0	10.0	2.0	4.0	7.0	12.0	14.0	12.0	15.0	16.0	22.0	---
9	14.0	10.0	2.0	4.0	7.0	12.0	14.0	12.0	15.0	17.0	22.0	20.0
10	14.0	10.0	2.0	4.0	7.0	12.0	12.0	12.0	15.0	17.0	22.0	20.0
11	14.0	10.0	2.0	---	8.0	14.0	12.0	12.0	15.0	17.0	22.0	20.0
12	14.0	6.0	2.0	---	8.0	14.0	12.0	14.0	15.0	17.0	22.0	20.0
13	---	6.0	2.0	4.0	8.0	14.0	12.0	14.0	15.0	17.0	22.0	19.0
14	14.0	6.0	2.0	4.0	8.0	14.0	12.0	14.0	15.0	17.0	22.0	21.0
15	12.0	6.0	2.0	4.0	8.0	14.0	12.0	14.0	15.0	17.0	22.0	19.0
16	12.0	6.0	2.0	4.0	8.0	14.0	12.0	14.0	15.0	17.0	22.0	19.0
17	12.0	4.0	2.0	4.0	8.0	14.0	---	14.0	15.0	18.0	22.0	19.0
18	12.0	4.0	2.0	4.0	9.0	14.0	12.0	14.0	15.0	18.0	23.0	19.0
19	12.0	4.0	2.0	4.0	9.0	14.0	12.0	14.0	15.0	18.0	23.0	21.0
20	12.0	4.0	2.0	4.0	10.0	14.0	12.0	14.0	15.0	18.0	23.0	19.0
21	12.0	4.0	2.0	4.0	10.0	14.0	12.0	14.0	15.0	18.0	23.0	19.0
22	12.0	4.0	2.0	4.0	10.0	14.0	12.0	14.0	15.0	18.0	23.0	18.0
23	12.0	4.0	2.0	5.0	---	---	12.0	14.0	15.0	18.0	23.0	18.0
24	12.0	4.0	2.0	5.0	10.0	14.0	12.0	14.0	15.0	20.0	23.0	18.0
25	12.0	4.0	2.0	6.0	10.0	14.0	12.0	14.0	15.0	20.0	23.0	16.0
26	12.0	4.0	2.0	6.0	10.0	14.0	12.0	14.0	15.0	20.0	23.0	16.0
27	12.0	4.0	4.0	6.0	10.0	12.0	12.0	14.0	15.0	20.0	23.0	16.0
28	12.0	2.0	4.0	6.0	10.0	12.0	12.0	14.0	15.0	20.0	23.0	16.0
29	12.0	2.0	4.0	6.0	---	12.0	12.0	14.0	15.0	20.0	23.0	15.0
30	12.0	2.0	4.0	6.0	---	12.0	12.0	14.0	15.0	20.0	23.0	15.0
31	12.0	---	4.0	6.0	---	12.0	---	14.0	---	20.0	23.0	---
MEAN	12.9	6.3	2.3	4.6	8.1	12.7	12.5	13.3	14.8	17.6	22.1	18.9

09182200 CASTLE CREEK BELOW CASTLETON NEAR MOAB, UT

LOCATION.--Lat 38°36'45", long 109°19'54", in $SE^1/_4NW^1/_4SW^1/_4$ sec. 24, T. 25 S., R. 23 E., Grand County, Hydrologic Unit 14030005, on left bank and 25.5 mi northwest of Moab.

DRAINAGE AREA.--17.6 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57 $ft^3/_s$ May 27, 1993, gage height, 5.30 ft, from floodmarks; minimum daily discharge, 1.4 $ft^3/_s$ Sept. 10, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35 $ft^3/_s$ July 14, gage height, 4.89 ft; minimum daily discharge, 1.6 $ft^3/_s$, many days in October.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.9	1.8	e1.8	2.1	2.6	2.3	2.5	6.8	14	4.8	3.2
2	1.6	1.9	1.8	1.8	2.2	2.3	2.3	2.8	7.5	13	4.6	3.2
3	1.6	2.0	1.8	e1.7	2.3	2.3	2.2	2.8	8.6	14	4.4	3.0
4	1.6	1.9	1.8	1.9	2.3	2.2	2.2	2.9	8.8	13	4.5	3.0
5	1.6	1.9	1.9	1.9	2.3	2.3	2.2	3.2	9.4	13	4.5	3.0
6	1.6	1.8	2.0	1.9	2.3	2.5	2.1	3.4	10	12	4.4	3.1
7	1.6	1.8	1.9	1.9	2.3	2.3	2.1	3.6	11	12	4.2	3.0
8	1.6	1.8	1.8	2.0	2.4	2.3	2.2	3.7	12	11	4.1	2.9
9	1.6	1.8	e1.8	2.0	2.3	2.3	2.2	3.6	12	11	4.1	3.1
10	1.6	1.8	e1.8	2.0	2.3	2.3	2.0	3.6	11	11	4.1	3.2
11	1.6	1.8	1.8	2.0	2.3	2.3	2.0	3.8	10	11	4.1	3.1
12	1.6	1.9	1.7	2.0	2.3	2.3	2.0	5.5	10	11	4.0	3.2
13	1.6	1.9	1.8	2.0	2.3	2.2	2.0	5.2	12	11	4.0	3.2
14	1.7	1.8	1.8	2.0	2.6	2.2	2.0	4.9	15	12	3.8	3.0
15	1.8	1.8	1.8	2.1	2.3	2.2	2.1	5.2	16	9.7	3.7	3.1
16	1.8	1.8	1.8	2.1	2.3	2.2	2.0	5.9	21	9.0	3.9	3.0
17	1.8	1.9	1.8	1.9	2.5	2.3	1.9	6.6	23	8.6	3.8	3.0
18	1.8	1.8	1.8	e1.9	2.5	2.3	1.9	6.4	19	8.1	3.5	3.1
19	1.8	1.9	1.8	2.0	2.5	2.2	1.9	6.4	18	7.6	3.6	3.1
20	1.8	1.8	1.8	2.1	2.5	2.2	1.9	6.6	16	7.2	3.8	3.0
21	1.8	1.9	1.8	2.1	2.5	2.2	2.0	7.1	15	6.7	3.7	3.0
22	1.8	1.8	1.8	2.1	2.5	2.3	2.1	8.1	15	6.5	4.1	3.1
23	1.8	1.9	1.9	e2.0	2.4	2.2	2.2	8.8	14	6.2	3.7	3.0
24	1.8	1.8	1.9	2.0	2.2	2.3	2.1	8.3	13	6.0	3.7	2.9
25	1.8	1.8	1.9	2.1	2.2	2.3	2.2	8.0	13	5.8	3.8	3.0
26	1.8	1.8	1.9	2.2	2.2	2.3	2.2	7.7	13	5.7	3.7	3.0
27	1.9	1.8	1.9	2.2	2.2	2.3	2.2	7.3	13	5.5	3.7	2.9
28	1.9	1.8	1.9	2.1	2.2	2.3	2.3	7.0	14	5.3	3.7	3.1
29	1.9	e2.0	2.0	2.0	---	2.3	2.3	6.9	14	5.0	3.4	3.6
30	1.9	1.8	2.0	2.0	---	2.3	2.5	6.7	14	5.0	3.3	3.1
31	1.9	---	1.9	2.1	---	2.3	---	6.7	---	4.9	3.2	---
TOTAL	53.6	55.4	57.2	61.9	65.3	70.9	63.6	171.2	395.1	281.8	121.9	92.2
MEAN	1.73	1.85	1.85	2.00	2.33	2.29	2.12	5.52	13.2	9.09	3.93	3.07
MAX	1.9	2.0	2.0	2.2	2.6	2.6	2.5	8.8	23	14	4.8	3.6
MIN	1.6	1.8	1.7	1.7	2.1	2.2	1.9	2.5	6.8	4.9	3.2	2.9
AC-FT	106	110	113	123	130	141	126	340	784	559	242	183

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

MEAN	2.03	1.95	1.88	1.98	2.31	2.35	2.27	6.21	8.40	5.19	2.93	2.26
MAX	2.51	2.16	1.95	2.00	2.33	2.39	2.51	11.8	13.2	9.09	3.93	3.07
(WY)	1994	1994	1994	1994	1995	1994	1994	1993	1995	1995	1995	1995
MIN	1.73	1.84	1.85	1.94	2.27	2.29	2.12	3.66	3.76	2.40	1.70	1.55
(WY)	1995	1993	1995	1993	1994	1995	1995	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1992 - 1995	
ANNUAL TOTAL	851.4		1490.1			
ANNUAL MEAN	2.33		4.08		3.62	
HIGHEST ANNUAL MEAN					4.35	1993
LOWEST ANNUAL MEAN					2.43	1994
HIGHEST DAILY MEAN	5.2	Jun 1	23	Jun 17	29	May 27 1993
LOWEST DAILY MEAN	1.4	Sep 10	1.6	Oct 1	1.4	Sep 10 1994
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 4	1.6	Oct 1	1.5	Sep 4 1994
ANNUAL RUNOFF (AC-FT)	1690		2960		2620	
10 PERCENT EXCEEDS	3.6		10		6.6	
50 PERCENT EXCEEDS	2.0		2.3		2.3	
90 PERCENT EXCEEDS	1.6		1.8		1.8	

e Estimated

09182400 CASTLE CREEK BELOW CASTLE VALLEY NEAR MOAB, UT

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

DRAINAGE AREA.--58.1 mi^2.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60 $ft^3/_s$ Aug. 27, gage height, 5.54 ft; minimum daily discharge, 4.4 $ft^3/_s$ July 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	6.3	7.0	e6.6	6.2	7.4	6.3	5.9	5.6	14	4.8	5.7
2	5.8	6.1	6.9	e6.6	6.2	7.0	6.2	7.1	5.3	14	4.8	5.9
3	5.6	7.2	7.0	e6.2	6.3	6.8	6.2	8.0	5.9	15	4.7	5.7
4	5.7	7.0	7.1	e6.5	6.3	6.9	6.2	7.1	7.4	15	5.1	5.7
5	5.6	7.0	7.1	e6.5	6.2	7.0	6.2	6.6	8.2	15	5.0	5.6
6	6.0	7.0	7.7	e6.5	6.3	7.5	6.1	6.8	7.6	14	4.8	5.5
7	6.0	6.9	7.0	e6.5	6.3	7.0	6.2	6.8	9.2	12	5.2	5.7
8	5.8	6.9	6.9	e6.6	6.6	7.0	6.2	6.8	8.9	11	5.0	5.6
9	5.2	6.9	e6.8	e6.6	6.4	6.9	6.1	6.6	11	10	5.2	5.6
10	5.5	7.0	e6.8	e6.6	6.4	6.9	6.2	6.1	9.9	12	5.2	5.8
11	5.7	7.0	e6.8	e6.6	6.3	6.9	6.2	5.4	8.5	12	5.2	5.9
12	5.3	7.2	e6.6	6.7	6.4	6.9	6.2	6.7	8.2	12	5.2	5.7
13	5.1	7.0	e6.8	6.6	6.4	6.8	6.1	6.5	8.2	12	5.4	5.6
14	4.9	6.8	e6.8	6.6	6.6	6.8	6.1	6.4	9.7	15	5.2	5.6
15	5.5	6.9	e6.8	6.5	6.5	6.4	6.2	6.1	12	12	5.0	5.5
16	5.9	7.1	e6.8	6.7	6.4	6.0	6.4	5.9	13	9.9	5.0	5.5
17	5.6	7.3	e6.8	6.5	6.4	6.0	6.1	7.6	19	9.5	5.0	5.6
18	5.6	7.2	e6.8	6.3	6.4	5.9	5.7	6.6	22	10	5.0	5.9
19	5.8	7.2	e6.8	6.4	6.4	5.9	5.8	6.5	19	10	5.1	5.9
20	6.9	6.9	e6.8	6.4	6.4	5.9	5.9	6.3	18	9.5	5.1	5.8
21	6.5	7.0	e6.8	6.5	6.4	5.9	6.2	6.0	17	8.8	5.4	5.8
22	6.2	6.8	e6.8	6.3	6.6	5.8	7.7	5.9	15	6.5	6.8	5.6
23	6.2	6.6	e6.9	6.2	6.8	5.9	6.7	6.0	14	6.1	6.7	5.7
24	6.2	6.7	e7.0	6.5	6.6	6.0	5.9	6.2	15	5.7	5.6	5.8
25	6.2	6.9	e7.0	6.5	6.7	6.1	5.8	5.9	15	5.3	5.1	5.9
26	6.3	6.9	e7.0	6.4	6.7	6.1	5.8	7.8	15	5.1	4.7	6.1
27	6.3	6.5	e7.0	6.4	6.7	6.1	5.6	9.6	14	4.9	7.4	6.2
28	6.3	6.6	e7.0	6.3	6.7	6.0	5.9	8.8	14	4.9	7.1	6.2
29	6.1	6.2	e7.0	6.3	---	6.1	5.9	8.9	15	4.7	7.4	6.8
30	6.1	6.9	e7.2	6.2	---	6.2	5.8	7.7	15	4.4	6.2	6.7
31	6.2	---	e7.0	6.3	---	6.3	---	6.3	---	5.0	5.7	---
TOTAL	181.2	206.0	214.8	200.4	180.6	200.4	183.9	210.9	365.6	305.3	169.1	174.6
MEAN	5.85	6.87	6.93	6.46	6.45	6.46	6.13	6.80	12.2	9.85	5.45	5.82
MAX	6.9	7.3	7.7	6.7	6.8	7.5	7.7	9.6	22	15	7.4	6.8
MIN	4.9	6.1	6.6	6.2	6.2	5.8	5.6	5.4	5.3	4.4	4.7	5.5
AC-FT	359	409	426	397	358	397	365	418	725	606	335	346

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

MEAN	6.81	7.66	7.46	7.48	7.00	7.22	7.31	9.02	9.55	6.33	4.95	5.23
MAX	7.93	8.56	7.75	8.53	7.48	8.36	8.43	17.2	15.4	9.85	5.51	5.84
(WY)	1994	1993	1993	1993	1993	1993	1993	1993	1993	1995	1993	1992
MIN	5.85	6.87	6.93	6.46	6.45	6.46	6.13	5.62	4.44	3.31	3.56	4.13
(WY)	1995	1995	1995	1995	1995	1995	1995	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1992 - 1995	
ANNUAL TOTAL	2108.2		2592.8			
ANNUAL MEAN	5.78		7.10		7.34	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					6.08	1994
HIGHEST DAILY MEAN	8.5	Feb 18	22	Jun 18	34	May 27 1993
LOWEST DAILY MEAN	3.2	Jul 7	4.4	Jul 30	3.2	Jul 7 1994
ANNUAL SEVEN-DAY MINIMUM	3.2	Jul 7	4.8	Jul 28	3.2	Jul 7 1994
ANNUAL RUNOFF (AC-FT)	4180		5140		5320	
10 PERCENT EXCEEDS	7.4		9.8		8.8	
50 PERCENT EXCEEDS	6.5		6.4		6.7	
90 PERCENT EXCEEDS	3.5		5.4		4.6	

e Estimated

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT

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

DRAINAGE AREA.--26.8 mi².

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft³/s Aug. 8, 1993, gage height, 7.66 ft from floodmarks, from rating curve extended above 340 ft³/s on basis of slope-area measurement of peak flow; minimum recorded, 2.1 ft³/s Apr. 5, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
June 17	1901	*122	*3.38	No other peak greater than base discharge.			

Minimum daily discharge, 3.9 ft³/s Nov. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	6.1	6.2	4.5	5.3	9.4	6.8	17	30	59	18	11
2	5.3	6.2	5.9	e5.0	5.2	7.0	6.9	19	39	56	16	11
3	5.2	6.4	5.8	e5.4	5.2	6.5	6.9	15	48	58	17	11
4	5.2	6.1	6.1	5.7	5.2	6.5	7.3	15	48	54	18	11
5	5.3	6.1	6.2	5.7	5.2	6.9	8.4	16	49	50	19	11
6	5.3	6.1	6.6	5.7	5.2	9.1	9.1	15	56	49	20	11
7	5.2	6.1	6.1	5.5	5.2	5.6	9.6	16	58	50	21	11
8	5.2	6.0	5.4	5.5	5.3	6.4	10	15	56	52	17	12
9	5.1	6.0	e5.4	5.6	5.3	6.5	10	15	51	53	17	11
10	5.1	6.0	e5.3	5.8	5.2	6.6	8.9	16	48	56	17	11
11	5.1	6.1	5.4	5.9	5.2	7.1	8.6	19	51	55	18	11
12	5.2	6.4	5.5	5.9	5.2	7.2	8.7	e33	57	53	17	10
13	5.2	6.0	6.2	5.6	5.2	6.8	9.4	e26	61	52	17	10
14	5.2	3.9	5.9	5.6	5.6	6.7	9.5	e32	68	49	16	11
15	5.4	4.5	5.7	5.4	5.0	7.2	9.5	e35	71	45	16	11
16	5.6	6.4	5.6	5.6	5.0	7.5	9.2	e41	62	43	17	10
17	5.6	5.9	5.5	5.2	5.2	8.3	8.9	30	78	41	15	10
18	5.7	5.8	5.6	5.4	5.3	8.3	8.6	25	62	38	15	10
19	5.8	6.0	5.6	e5.4	5.2	8.4	8.3	34	56	35	15	9.9
20	5.7	5.6	5.4	e5.3	5.2	8.4	8.2	40	53	34	15	9.6
21	5.7	5.9	5.6	5.4	5.3	8.6	8.6	e48	53	33	15	9.6
22	5.7	5.4	5.5	5.2	5.5	9.0	8.7	48	52	31	19	9.5
23	5.7	4.5	5.6	e5.2	5.6	8.3	11	45	54	29	16	9.3
24	5.7	5.7	5.6	5.3	5.6	8.1	8.3	42	51	28	15	9.1
25	5.6	5.8	5.6	5.4	5.7	7.9	8.9	40	52	27	15	8.8
26	5.6	6.1	5.6	5.4	5.6	7.6	10	36	53	25	14	9.0
27	5.6	5.4	5.4	5.4	5.8	7.2	10	32	55	24	15	8.8
28	5.6	6.1	5.4	5.2	6.2	7.2	11	29	62	23	15	8.8
29	5.6	e6.1	5.4	5.1	---	7.3	11	27	63	20	16	14
30	5.5	e6.1	5.4	5.0	---	6.7	20	25	60	20	13	9.7
31	5.6	---	4.9	5.3	---	6.8	---	26	---	19	11	---
TOTAL	168.8	174.8	175.4	167.6	149.7	231.1	280.3	872	1657	1261	505	310.1
MEAN	5.45	5.83	5.66	5.41	5.35	7.45	9.34	28.1	55.2	40.7	16.3	10.3
MAX	5.8	6.4	6.6	5.9	6.2	9.4	20	48	78	59	21	14
MIN	5.1	3.9	4.9	4.5	5.0	5.6	6.8	15	30	19	11	8.8
AC-FT	335	347	348	332	297	458	556	1730	3290	2500	1000	615

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-95, BY WATER YEAR (WY)

MEAN	8.11	7.24	6.70	6.20	5.89	6.51	11.4	29.0	29.7	15.6	10.3	8.52
MAX	12.1	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	40.7	18.7	13.5
(WY)	1958	1988	1988	1988	1988	1988	1958	1958	1957	1995	1993	1993
MIN	4.84	3.89	4.30	4.60	4.48	4.88	5.42	8.03	7.08	5.32	4.69	5.00
(WY)	1957	1957	1955	1957	1956	1957	1990	1990	1959	1959	1990	1959

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1955-59, 1988-95	
ANNUAL TOTAL	3580.9		5952.8			
ANNUAL MEAN	9.81		16.3		12.1	
HIGHEST ANNUAL MEAN					20.4	1993
LOWEST ANNUAL MEAN					6.13	1990
HIGHEST DAILY MEAN	36	May 16	78	Jun 17	141	May 27 1993
LOWEST DAILY MEAN	3.9	Nov 14	3.9	Nov 14	2.8	Nov 2 1956
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 7	5.1	Dec 27	3.2	Oct 30 1956
ANNUAL RUNOFF (AC-FT)	7100		11810		8780	
10 PERCENT EXCEEDS	23		49		23	
50 PERCENT EXCEEDS	6.4		8.3		7.5	
90 PERCENT EXCEEDS	5.5		5.2		5.0	

e Estimated

09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW1/4 NE1/4 NE1/4 sec.26, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, on right bank 0.1 mi downstream from Bitter Creek, 1.0 mi southeast of town of Green River, and 4.0 mi upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--About 14,000 mi^2, of which 4,260 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, is probably noncontributing.

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

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

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

REMARKS.--Estimated daily discharges: Nov. 14 to Mar. 6 and June 29 to Aug. 3. Records good except those for estimated daily discharges, which are poor. Some regulation by Fontenelle Reservoir since August 1963. (See sta 09211150.) Natural flow of stream affected by transbasin diversions, storage reservoirs, power development, and diversions for irrigation of about 223,000 acres upstream from station. National Weather Service satellite telemeter at station.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	816	831	820	700	690	730	1290	1280	1710	6700	4100	922
2	817	836	840	700	720	760	1300	1340	1810	6800	3500	877
3	825	854	820	700	720	740	1300	1440	1800	6900	3100	875
4	912	850	820	720	720	740	1320	1220	1770	6800	2960	876
5	892	846	820	740	720	760	1360	1280	1760	6800	2820	906
6	911	846	800	740	720	800	1370	1410	1740	7000	2820	733
7	882	846	760	740	720	826	1400	1330	1840	7000	2830	595
8	862	846	760	760	710	823	1430	1310	2000	7000	2680	589
9	876	846	760	760	720	946	1410	1300	2540	7000	2510	750
10	872	846	760	740	700	1030	1360	1290	2640	7000	2190	1020
11	862	846	770	740	680	1100	1350	1240	2630	6900	1810	1020
12	871	849	780	740	680	1490	1350	1270	2670	6900	1630	798
13	847	846	790	760	680	1930	1360	1270	2850	7000	1610	553
14	877	800	780	760	660	1710	1340	1200	3240	7000	1600	535
15	869	740	780	780	640	1420	1310	1110	3520	7100	1600	539
16	869	720	810	780	660	1580	1320	1080	4070	6900	1610	590
17	875	720	800	800	680	1560	1330	1080	4260	6800	1620	836
18	882	740	790	790	700	1470	1330	1060	4960	6600	1610	829
19	869	740	780	780	740	1420	1320	1010	5480	6400	1610	914
20	869	720	760	740	740	1470	1320	1010	5910	6200	1610	1110
21	861	720	740	720	740	1570	1310	1020	6140	6200	1610	1120
22	855	730	740	710	740	1450	1340	1010	6280	6200	1530	1140
23	846	740	740	700	760	1440	1350	1090	6340	6100	1430	1130
24	846	760	740	700	760	1490	1340	1130	6610	6000	1360	1110
25	831	760	720	720	760	1380	1250	1210	6690	6000	1290	1110
26	831	780	730	740	750	1350	1260	1350	6690	5900	1260	1110
27	831	780	740	720	740	1310	1250	1520	6670	5600	1250	1110
28	831	780	740	710	740	1300	1270	1530	6660	5300	1240	1110
29	831	790	740	690	---	1300	1300	1530	6660	5200	1230	1080
30	831	800	740	690	---	1300	1310	1510	6600	5100	1110	1120
31	831	---	720	690	---	1290	---	1510	---	4700	1010	---
TOTAL	26580	23808	23890	22760	19990	38485	39850	38940	124540	199100	60140	27007
MEAN	857	794	771	734	714	1241	1328	1256	4151	6423	1940	900
MAX	912	854	840	800	760	1930	1430	1530	6690	7100	4100	1140
MIN	816	720	720	690	640	730	1250	1010	1710	4700	1010	535
AC-FT	52720	47220	47390	45140	39650	76330	79040	77240	247000	394900	119300	53570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

MEAN	950	823	692	703	788	1006	1676	2579	4796	3270	1581	1140
MAX	3109	1844	1419	1382	1980	1852	3416	5665	11700	9415	3577	7746
(WY)	1983	1984	1972	1972	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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1952 - 1995	
ANNUAL TOTAL	307767		645090		--	
ANNUAL MEAN	843		1767		1669	
HIGHEST ANNUAL MEAN	--		--		3089	1986
LOWEST ANNUAL MEAN	--		--		689	1977
HIGHEST DAILY MEAN	1540	May 11	7100	Jul 15	16700	Sep 7 1965
LOWEST DAILY MEAN	416	Sep 21	535	Sep 14	170	Nov 16 1955
ANNUAL SEVEN-DAY MINIMUM	438	Sep 20	669	Feb 11	214	Dec 24 1962
INSTANTANEOUS PEAK FLOW	--		7100a	Jul 15	16800b	Sep 7 1965
INSTANTANEOUS PEAK STAGE	--		--		8.53	Sep 7 1965
ANNUAL RUNOFF (AC-FT)	610500		1280000		1209000	
10 PERCENT EXCEEDS	1100		5900		3730	
50 PERCENT EXCEEDS	831		1020		1030	
90 PERCENT EXCEEDS	497		720		440	

a Highest daily mean, estimated. Instantaneous peak at least this high.

b Caused by emergency release from Fontenelle Reservoir.

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, UT, Hydrologic Unit 14040107, on left bank 1 mi downstream from East Fork, 2.7 mi south of Utah-Wyoming State line, and 18 mi south of Robertson.

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

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

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

REMARKS.--Estimated daily discharges: Oct. 19-26, Oct. 28 to Nov. 1, Nov. 4, 8-11, and Nov. 14 to Apr. 1. Records fair except those for estimated daily discharges, which are poor.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 5	2215	1,220	4.30	July 3	0600	1,690	4.75
June 15	2015	*2,210	*5.17	July 12	2230	1,870	4.90
June 27	2400	1,770	4.82				

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	52	33	28	31	24	28	39	403	1130	331	104
2	51	42	33	27	32	24	29	45	557	1080	306	105
3	58	40	33	26	33	25	29	42	577	1500	292	105
4	67	42	34	25	33	24	33	42	532	974	277	101
5	89	57	33	26	33	23	33	46	739	842	264	125
6	72	54	33	28	33	22	34	45	969	1040	253	105
7	66	51	32	29	32	22	38	45	657	1310	246	101
8	58	44	31	30	31	24	35	45	512	1280	244	103
9	58	43	30	31	29	26	40	51	407	1200	242	94
10	60	43	31	32	28	27	33	67	390	1340	242	89
11	63	44	32	32	28	26	35	75	535	1350	277	83
12	60	42	32	31	28	25	35	73	970	1410	254	80
13	59	34	33	32	27	26	40	69	1450	1300	245	76
14	58	28	33	32	27	27	40	79	1700	989	226	72
15	60	25	32	31	26	26	38	108	1870	849	206	68
16	64	27	33	29	27	25	40	140	1530	767	196	67
17	67	28	35	28	28	26	38	122	1050	736	192	70
18	65	26	34	28	28	27	34	140	919	737	190	71
19	56	24	34	29	29	26	34	166	989	750	180	66
20	56	26	35	28	30	25	33	212	1180	650	174	61
21	54	27	34	26	30	26	34	267	1220	592	184	62
22	56	25	33	25	30	24	33	305	1140	528	185	58
23	54	23	32	23	29	23	33	325	1110	487	176	57
24	51	24	33	25	28	23	35	276	1190	454	170	55
25	52	26	35	27	26	21	33	259	1250	429	156	53
26	52	29	34	29	26	22	34	240	1310	411	146	53
27	57	29	33	28	25	22	38	213	1430	399	140	52
28	50	29	32	28	25	22	43	209	1530	387	136	51
29	44	29	31	27	---	20	42	227	1330	384	131	63
30	33	31	30	26	---	23	40	263	1220	387	119	65
31	40	---	29	28	---	26	---	328	---	366	105	---
TOTAL	1779	1044	1012	874	812	752	1064	4563	30666	26058	6485	2315
MEAN	57.4	34.8	32.6	28.2	29.0	24.3	35.5	147	1022	841	209	77.2
MAX	89	57	35	32	33	27	43	328	1870	1500	331	125
MIN	33	23	29	23	25	20	28	39	390	366	105	51
AC-FT	3530	2070	2010	1730	1610	1490	2110	9050	60830	51690	12860	4590

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

MEAN	54.5	59.1	50.8	26.4	23.7	25.2	50.6	394	788	346	114	69.0
MAX	136	482	452	41.4	36.9	38.6	112	789	1273	1003	232	157
(WY)	1983	1990	1990	1974	1974	1969	1985	1984	1983	1975	1983	1982
MIN	23.9	22.1	11.1	6.73	9.32	9.78	19.4	134	298	64.5	46.3	37.3
(WY)	1993	1994	1977	1977	1977	1994	1975	1975	1994	1994	1994	1976

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	34957.1		77424		--	
ANNUAL MEAN	95.8		212		164	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		79.3	1977
HIGHEST DAILY MEAN	750	May 16	1870	Jun 15	1880	Jun 19 1983
LOWEST DAILY MEAN	3.2	Apr 2	20	Mar 29	3.2	Apr 2 1994
ANNUAL SEVEN-DAY MINIMUM	3.9	Apr 2	22	Mar 23	3.9	Apr 2 1994
INSTANTANEOUS PEAK FLOW	--		2210	Jun 15	2480a	Jun 19 1983
INSTANTANEOUS PEAK STAGE	--		5.17	Jun 15	5.17	Jun 15 1995
ANNUAL RUNOFF (AC-FT)	69340		153600		119000	
10 PERCENT EXCEEDS	296		757		511	
50 PERCENT EXCEEDS	41		44		46	
90 PERCENT EXCEEDS	14		26		21	

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

09218500 BLACKS FORK NEAR MILLBURNE, WY

LOCATION.--Lat 41°01'54", long 110°34'43", in NW¼ NE¼ SW¼ sec.11, T.12 N., R.117 W., Uinta County, Hydrologic Unit 14040107, on left bank 0.4 mi downstream from Meeks Cabin Dam, 2.7 mi north of Utah-Wyoming State line, and 17 mi southwest of Millburne.

DRAINAGE AREA.--152 mi^2.

PERIOD OF RECORD.--July 1939 to current year (no winter records since 1992). Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 929: 1940.

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

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

Oct. 13 . . . 62.5

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	--	---	---	---	---	---	26	432	1170	420	279
2	---	---	---	---	---	---	---	26	514	1080	411	275
3	---	---	---	---	---	---	---	26	546	1130	393	275
4	---	---	---	---	---	---	---	26	548	1150	347	275
5	---	---	---	---	---	---	---	26	551	990	309	251
6	---	---	---	---	---	---	---	26	553	937	309	223
7	---	---	---	---	---	---	---	26	556	1040	309	223
8	---	---	---	---	---	---	---	26	554	1180	299	223
9	---	---	---	---	---	---	---	26	555	1170	292	223
10	---	---	---	---	---	---	---	26	555	1190	287	223
11	---	---	---	---	---	---	---	26	557	1200	287	222
12	---	---	---	---	---	---	---	26	562	1200	285	216
13	---	---	---	---	---	---	---	26	568	1270	283	209
14	---	---	---	---	---	---	---	26	659	1230	283	207
15	---	---	---	---	---	---	---	52	793	1060	317	207
16	---	---	---	---	---	---	---	77	891	953	352	207
17	---	---	---	---	---	---	---	117	935	772	349	206
18	---	---	---	---	---	---	---	148	938	679	320	204
19	---	---	---	---	---	---	---	159	946	728	298	204
20	---	---	---	---	---	---	---	166	949	735	305	210
21	---	---	---	---	---	---	---	168	956	712	305	220
22	---	---	---	---	---	---	---	236	972	688	307	220
23	---	---	---	---	---	---	---	291	982	657	309	220
24	---	---	---	---	---	---	---	329	989	646	309	220
25	---	---	---	---	---	---	---	359	993	635	312	220
26	---	---	---	---	---	---	---	361	932	506	309	206
27	---	---	---	---	---	---	---	364	868	388	311	195
28	---	---	---	---	---	---	---	364	865	404	314	207
29	---	---	---	---	---	---	---	363	950	421	298	207
30	---	---	---	---	---	---	---	363	1100	423	279	207
31	---	---	---	---	---	---	---	363	---	426	280	---
TOTAL	---	---	---	---	---	---	---	4644	22769	26770	9788	6684
MEAN	---	---	---	---	---	---	---	150	759	864	316	223
MAX	---	---	---	---	---	---	---	364	1100	1270	420	279
MIN	---	---	---	---	---	---	---	26	432	388	279	195
AC-FT	---	---	---	---	---	---	---	9210	45160	53100	19410	13260

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

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

SUMMARY STATISTICS	FOR 1995 WATER YEAR*		WATER YEARS 1940 - 1992	
ANNUAL MEAN	--		161a	
HIGHEST ANNUAL MEAN	--		281	1983
LOWEST ANNUAL MEAN	--		82.9	1977
HIGHEST DAILY MEAN	1270	Jul 13	2180	Jun 7 1957
LOWEST DAILY MEAN	26	May 1-14	1.0	Sep 15,16 1983
ANNUAL SEVEN-DAY MINIMUM	--		5.7	Nov 7 1970
INSTANTANEOUS PEAK FLOW	1340	Jul 13	2530b	Jun 7 1957#
INSTANTANEOUS PEAK STAGE	4.66	Jul 13	6.76c	Jun 12 1965#
ANNUAL RUNOFF (AC-FT)	--		116600	
10 PERCENT EXCEEDS	--		507	
50 PERCENT EXCEEDS	--		44	
90 PERCENT EXCEEDS	--		14	

* During period of operation.

\# For period of record through 1993.

a Unadjusted.

b From rating curve extended above 1,500 ft^3/s.

c From floodmarks, site and datum then in use.

09220000 EAST FORK OF SMITHS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 41°03'15", long 110°23'52", in NE¼ NW¼ NE¼ sec.5, T.12 N., R.115 W., Uinta County, Hydrologic Unit 14040107, Wasatch National Forest, on left bank 60 ft downstream from bridge, 1.0 mi upstream from Gilbert Creek, 6.1 mi downstream from State Line Reservoir, and 9.0 mi south of Robertson.

DRAINAGE AREA.--53.0 mi^2.

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

REVISED RECORDS.--WSP 979: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 8,470 ft above sea level, from topopgraphic map. Prior to July 12, 1957, at datum 3.96 ft higher.

REMARKS.--Estimated daily discharges: May 1-4, July 7, 8, Aug. 8-16, and Sept. 1-7. Records good except those for estimated daily discharges, which are poor. Flow completely regulated by State Line Reservoir, 6.1 mi upstream, total capacity, 14,000 acre-ft, dead storage is about 2,000 acre-ft, since May 1979. Results of discharge measurements, in cubic feet per second, made during the period when the station was not in operation is given below:

Oct. 10 . . . 25.0

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	19	88	433	117	117
2	---	---	---	---	---	---	---	19	88	419	111	117
3	---	---	---	---	---	---	---	19	88	530	102	117
4	---	---	---	---	---	---	---	19	88	438	98	123
5	---	---	---	---	---	---	---	19	100	283	97	123
6	---	---	---	---	---	---	---	20	111	305	95	109
7	---	---	---	---	---	---	---	22	111	396	93	100
8	---	---	---	---	---	---	---	19	113	530	99	104
9	---	---	---	---	---	---	---	19	113	414	110	105
10	---	---	---	---	---	---	---	21	113	477	113	107
11	---	---	---	---	---	---	---	21	111	570	113	107
12	---	---	---	---	---	---	---	21	111	536	113	100
13	---	---	---	---	---	---	---	19	111	675	113	93
14	---	---	---	---	---	---	---	20	113	396	113	93
15	---	---	---	---	---	---	---	26	113	276	110	91
16	---	---	---	---	---	---	---	42	156	233	109	91
17	---	---	---	---	---	---	---	44	220	194	113	93
18	---	---	---	---	---	---	---	52	223	197	111	93
19	---	---	---	---	---	---	---	54	226	252	111	83
20	---	---	---	---	---	---	---	57	226	233	111	73
21	---	---	---	---	---	---	---	57	229	196	109	69
22	---	---	---	---	---	---	---	64	229	176	119	70
23	---	---	---	---	---	---	---	83	233	156	123	70
24	---	---	---	---	---	---	---	88	236	144	121	70
25	---	---	---	---	---	---	---	90	236	140	123	70
26	---	---	---	---	---	---	---	88	206	131	125	70
27	---	---	---	---	---	---	---	88	153	127	125	70
28	---	---	---	---	---	---	---	87	302	123	125	70
29	---	---	---	---	---	---	---	87	634	121	123	69
30	---	---	---	---	---	---	---	85	488	117	121	69
31	---	---	---	---	---	---	---	85	---	119	121	---
TOTAL	---	---	---	---	---	---	---	1454	5569	9337	3487	2736
MEAN	---	---	---	---	---	---	---	46.9	186	301	112	91.2
MAX	---	---	---	---	---	---	---	90	634	675	125	123
MIN	---	---	---	---	---	---	---	19	88	117	93	69
AC-FT	---	---	---	---	---	---	---	2880	11050	18520	6920	5430

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

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

SUMMARY STATISTICS	FOR 1995 WATER YEAR*		WATER YEARS 1939 - 1971	
ANNUAL MEAN	--		47.1	
HIGHEST ANNUAL MEAN	--		88.9	1965
LOWEST ANNUAL MEAN	--		25.4	1954
HIGHEST DAILY MEAN	675	Jul 13	1030	Jun 10 1965
LOWEST DAILY MEAN	19	May 1-5,8,9,14	1.0	Dec 17 1962
ANNUAL SEVEN-DAY MINIMUM	--		1.0	Dec 17 1962
INSTANTANEOUS PEAK FLOW	872	Jul 13	1450	Jun 10 1965#
INSTANTANEOUS PEAK STAGE	6.26	Jul 13	6.75	Jun 10 1965#
ANNUAL RUNOFF (AC-FT)	--		34160	
10 PERCENT EXCEEDS	304		140	
50 PERCENT EXCEEDS	111		13	
90 PERCENT EXCEEDS	32		5.6	

* During period of operation.

\# For period of record through 1995.

09234400 FLAMING GORGE RESERVOIR AT FLAMING GORGE DAM, UT

LOCATION.--Lat 40°54'23", long 109°25'15", in NW$^1/_4$NE$^1/_4$ sec.15, T.2 N., R.22 E., Daggett County, Hydrologic Unit 14040106, at Flaming Gorge Dam on Green River, 1.8 mi southwest of Dutch John, and 4.9 mi northeast of Greendale.

DRAINAGE AREA.--19,350 mi^2, of which about 4,260 mi^2, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, is probably noncontributing.

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

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

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

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

COOPERATION.--Records provided by Bureau of Reclamation.

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

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 3,525,000 acre-ft Aug. 26-28, elevation, 6,034.54 ft; minimum observed, 2,814,000 acre-ft Feb. 2-5, elevation, 6,015.29 ft.

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

6,015	2,804,000	6,030	3,346,000
6,020	2,977,000	6,034	3,503,000
6,025	3,157,000	6,035	3,543,000

STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2886	2867	2859	2834	2815	2833	2897	2933	2912	3183	3482	3523
2	2886	2867	2858	2834	2814	2835	2899	2932	2916	3192	3487	3522
3	2887	2868	2858	2833	2814	2836	2901	2932	2920	3202	3492	3521
4	2888	2868	2857	2832	2814	2837	2902	2933	2924	3211	3495	3520
5	2887	2868	2856	2832	2814	2838	2904	2934	2930	3222	3499	3519
6	2886	2868	2856	2831	2815	2840	2905	2934	2937	3234	3503	3518
7	2886	2868	2855	2830	2816	2841	2906	2937	2944	3246	3507	3517
8	2884	2868	2854	2829	2816	2843	2907	2936	2951	3258	3510	3517
9	2883	2868	2853	2829	2816	2845	2909	2938	2957	3271	3512	3516
10	2882	2868	2852	2828	2816	2848	2911	2940	2962	3283	3514	3515
11	2881	2868	2851	2827	2816	2850	2912	2940	2969	3295	3515	3513
12	2880	2868	2850	2826	2816	2852	2914	2942	2975	3308	3516	3512
13	2880	2868	2850	2826	2817	2853	2916	2943	2982	3319	3516	3511
14	2879	2868	2849	2825	2817	2854	2918	2944	2990	3333	3517	3510
15	2878	2868	2848	2825	2817	2856	2919	2945	3002	3346	3517	3509
16	2877	2868	2847	2824	2817	2860	2921	2944	3013	3359	3518	3508
17	2876	2868	2846	2824	2817	2864	2922	2943	3032	3370	3519	3507
18	2875	2867	2846	2824	2818	2866	2923	2944	3044	3380	3519	3505
19	2874	2867	2845	2823	2818	2868	2924	2942	3057	3392	3520	3503
20	2873	2867	2844	2822	2819	2870	2925	2939	3071	3400	3520	3502
21	2872	2866	2843	2822	2820	2873	2926	2937	3083	3408	3521	3500
22	2871	2866	2842	2821	2820	2876	2927	2932	3098	3415	3522	3499
23	2870	2866	2842	2820	2822	2879	2927	2927	3110	3424	3523	3498
24	2869	2865	2841	2820	2823	2882	2927	2925	3119	3431	3524	3496
25	2868	2865	2840	2819	2824	2884	2928	2921	3128	3438	3524	3495
26	2867	2864	2839	2818	2825	2887	2929	2921	3138	3445	3525	3493
27	2867	2863	2838	2818	2828	2891	2930	2918	3146	3450	3525	3492
28	2867	2862	2837	2817	2831	2892	2932	2916	3158	3456	3525	3490
29	2867	2860	2837	2816	---	2894	2932	2917	3165	3462	3524	3489
30	2866	2860	2836	2816	---	2895	2933	2915	3174	3469	3524	3488
31	2866	---	2835	2815	---	2896	---	2911	---	3475	3523	---
MAX	2890	2870	2860	2830	2830	2900	2930	2940	3170	3470	3520	3520
MIN	2870	2860	2830	2810	2810	2830	2900	2910	2910	3180	3480	3490
(#)	6,016.82	6,016.64	6,015.92	6,015.33	6,015.80	6,017.68	6,018.75	6,018.11	6,025.46	6,033.28	6,034.51	6,033.61
(*)	-21	-6	-25	-20	+16	+65	+37	-22	+263	+301	+48	-35

CAL YR 1994 ..... (*) -482
WTR YR 1995 ..... (*) +601

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

09234500 GREEN RIVER NEAR GREENDALE, UT

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

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

WATER-DISCHARGE RECORDS

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,740 ft³/s May 22, gage height, 11.73 ft; minimum daily discharge, 818 ft³/s Feb. 19, Mar. 4, 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1540	859	1320	1290	1290	819	835	1610	2590	4640	1060	1290
2	1510	860	1300	1290	1300	819	846	1630	1630	4630	1140	1430
3	1570	847	1310	1290	1310	819	875	1640	1530	4630	1300	1430
4	1440	850	1320	1290	1310	818	876	1630	1840	4360	1050	1440
5	1450	826	1310	1290	1310	818	876	1630	1820	3690	1040	1440
6	1320	820	1300	1290	1310	823	973	1630	1130	3300	1040	1440
7	1350	846	1300	1290	1290	820	1100	1630	823	2990	1030	1440
8	1560	866	1290	1300	1290	819	1100	1630	819	2960	1020	1450
9	1560	862	1300	1300	1290	825	1100	1640	1210	2960	1000	1410
10	1310	845	1300	1300	1290	820	1100	1650	1670	2960	1010	1440
11	1320	824	1300	1300	1290	822	1110	1640	1890	2960	1030	1460
12	1330	824	1300	1310	1290	821	1110	1640	2340	2960	1240	1450
13	1320	829	1300	1310	1290	820	1100	1640	2040	2960	1250	1460
14	1350	847	1310	1310	1290	819	1110	1640	1530	2960	1290	1470
15	1450	860	1310	1310	1190	830	1110	1640	1280	2960	1270	1460
16	1450	887	1310	1310	1080	835	1110	1640	853	2950	1260	1470
17	1470	898	1310	1290	957	834	1110	2110	858	2950	1290	1460
18	1470	855	1310	1290	820	835	1130	2550	1190	2950	1280	1480
19	1460	856	1310	1290	818	835	1340	3120	1780	2950	1280	1480
20	1460	853	1310	1290	819	833	1450	3580	2150	2990	1280	1490
21	1460	854	1310	1280	819	833	1450	4320	2120	2990	1270	1490
22	1470	853	1310	1290	820	834	1450	4520	2590	2970	1320	1490
23	1500	918	1310	1290	835	835	1450	4580	3360	2960	1330	1500
24	1440	981	1310	1290	837	835	1540	4180	4030	2980	1320	1490
25	1270	929	1310	1280	836	835	1570	4580	4580	2980	1310	1540
26	1070	1030	1310	1280	836	835	1620	4590	4640	2980	1280	1520
27	859	1160	1310	1290	825	836	2070	4590	4650	2980	1270	1460
28	858	1170	1300	1290	827	836	1680	4590	4650	2720	1270	1490
29	860	1180	1290	1290	---	836	1650	4590	4640	2140	1320	1410
30	861	1170	1290	1290	---	836	1660	4550	4630	1760	1280	1390
31	886	---	1290	1290	---	835	---	3980	---	1310	1280	---
TOTAL	41224	27259	40460	40100	30469	25670	37501	86590	70863	95480	37410	43670
MEAN	1330	909	1305	1294	1088	828	1250	2793	2362	3080	1207	1456
MAX	1570	1180	1320	1310	1310	836	2070	4590	4650	4640	1330	1540
MIN	858	820	1290	1280	818	818	835	1610	819	1310	1000	1290
AC-FT	81770	54070	80250	79540	60440	50920	74380	171800	140600	189400	74200	86620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	1614	1654	1762	1728	1744	1598	2025	2814	3510	2609	1912	1599
MAX	3911	3655	3626	4145	4090	3818	6288	9610	11420	10130	5055	3729
(WY)	1983	1983	1973	1985	1984	1977	1962	1952	1957	1983	1983	1983
MIN	128	90.0	268	367	442	106	134	130	125	104	102	113
(WY)	1964	1963	1963	1963	1955	1963	1963	1963	1963	1963	1963	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	618776		576696			
ANNUAL MEAN	1695		1580		2048	
HIGHEST ANNUAL MEAN					4270	1983
LOWEST ANNUAL MEAN					231	1963
HIGHEST DAILY MEAN	4680	Jun 6	4650	Jun 27	19200	Jun 12 1957
LOWEST DAILY MEAN	820	Nov 6	818	Feb 19	40	Nov 13 1962
ANNUAL SEVEN-DAY MINIMUM	841	Nov 6	819	Mar 1	57	Nov 13 1962
ANNUAL RUNOFF (AC-FT)	1227000		1144000		1484000	
10 PERCENT EXCEEDS	2430		2960		3850	
50 PERCENT EXCEEDS	1480		1300		1570	
90 PERCENT EXCEEDS	911		835		670	

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1956 to September 1959, October 1963 to current year.

WATER TEMPERATURES: October 1956 to September 1959, October 1963 to current year.

SEDIMENT DATA: October 1956 to September 1959.

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

REMARKS.--Storage in Flaming Gorge Reservoir began on Nov. 1, 1962. Samples for daily records are taken inside Penstock. Extremes are given for two separate periods--water years 1957-62, and water years 1964 to current year. Extremes for the 1963 water year (October 1962 to September 1963) are not included. Temperature extremes for the 1994 water year are not included. Unpublished daily records of specific conductance obtained before 1965 were included in the determination of extremes for period of daily record and are available in files of district office. Daily records provided by Bureau of Reclamation. Water-quality monitor located in seperate shelter 0.6 mi downstream from Flaming Gorge Dam.

EXTREMES FOR PERIOD OF DAILY RECORD.--(water years 1957-62, 1964 to current year).

SPECIFIC CONDUCTANCE (water years 1957-58, 1960-62): Maximum daily, 1,340 microsiemens Aug. 30, 1961; minimum daily, 325 microsiemens June 2, 1961.

WATER TEMPERATURES (water years 1957-59): Maximum, 24.0°C July 24, 25, 1959; minimum, 0.0°C on many days during winter period each year.

SPECIFIC CONDUCTANCE (water years 1964 to current year): Maximum daily, 1,060 microsiemens Nov. 9, 1971; minimum recorded, 523 microsiemens Oct. 25, 1994.

WATER TEMPERATURES: Maximum recorded, 17.2°C July 9, 1989; minimum recorded 1.6°C Mar. 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 814 microsiemens Mar. 12, 13; minimum recorded, 523 microsiemens Oct. 25.

WATER TEMPERATURES: Maximum recorded, 17.0°C Sept. 21; minimum observed, 3.5°C Mar. 2.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT										
18...	1330	1410	730	8.3	9.0	10.0	8.2	621	250	60
NOV										
29...	1055	1170	750	8.3	-4.0	7.0	9.2	630	250	61
MAR										
02...	1110	847	750	8.5	4.0	4.0	10.1	617	250	61
APR										
05...	1120	872	740	8.3	14.0	5.5	10.0	618	250	62
MAY										
16...	0950	1920	750	8.3	13.0	7.0	9.7	618	230	56
JUL										
13...	0955	3160	630	8.3	21.5	12.5	8.2	622	200	49
AUG										
29...	0945	1380	680	8.3	15.0	12.0	9.0	624	230	57

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT										
18...	24	59	34	2	2.4	200	19	0.30	2.9	470
NOV										
29...	24	60	34	2	2.4	200	18	0.30	3.1	490
MAR										
02...	24	59	34	2	2.5	210	18	0.30	3.4	512
APR										
05...	24	59	33	2	2.5	200	18	0.30	3.6	472
MAY										
16...	22	55	34	2	2.3	200	19	0.30	2.9	476
JUL										
13...	19	47	33	1	2.2	160	15	0.20	2.6	396
AUG										
29...	22	56	34	2	2.4	180	16	0.30	2.7	446

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

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

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)
OCT									
18...	462	0.64	1790	0.024	0.024	0.024	0.20	0.20	0.22
NOV									
29...	463	0.67	1550	0.020	0.020	0.020	--	<0.20	--
MAR									
02...	473	0.70	1170	0.046	0.046	0.046	--	<0.20	--
APR									
05...	462	0.64	1110	0.038	0.038	0.038	0.20	0.20	0.24
MAY									
16...	450	0.65	2470	0.032	0.032	0.032	0.30	0.30	0.33
JUL									
13...	372	0.54	3380	0.007	0.007	0.007	0.20	0.20	0.21
AUG									
29...	422	0.61	1660	0.025	0.025	0.025	0.20	0.20	0.23

DATE	TIME	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT		
18...	1330	<1
MAR		
02...	1110	<1
APR		
05...	1120	1
MAY		
16...	0950	<1
JUL		
13...	0955	<1

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	768	738	753	699	662	682	757	733	746	766	747	757
2	778	736	752	709	688	700	753	726	741	767	749	756
3	790	743	769	719	669	700	747	729	740	778	755	766
4	775	742	757	708	660	671	751	735	743	779	751	769
5	759	741	751	717	659	693	753	730	743	777	756	768
6	760	747	753	717	697	710	761	738	746	782	749	763
7	764	742	752	737	708	724	768	736	753	786	748	766
8	767	737	752	746	723	736	749	724	737	785	750	774
9	764	728	750	764	699	735	744	722	734	785	767	776
10	777	742	760	759	738	749	746	725	736	791	775	783
11	783	742	761	758	742	753	752	729	741	793	753	781
12	777	744	760	752	672	687	765	726	744	788	753	770
13	777	742	759	691	640	668	772	742	757	797	768	781
14	766	745	757	663	634	645	754	736	745	804	774	784
15	766	750	756	713	646	676	754	729	741	803	788	796
16	763	741	752	743	678	704	770	733	746	801	784	791
17	760	739	749	725	672	693	769	738	751	789	765	781
18	748	631	718	725	666	691	773	738	752	788	764	777
19	720	631	694	693	672	682	769	745	755	786	764	775
20	733	683	708	729	669	702	772	746	759	782	768	775
21	718	683	703	732	668	696	768	747	757	779	762	771
22	724	684	703	686	666	675	769	749	757	778	765	773
23	723	696	710	725	668	691	778	749	763	783	765	776
24	737	541	716	760	679	721	777	755	763	---	---	---
25	760	523	653	772	724	750	778	756	770	---	---	---
26	716	550	645	772	728	747	785	756	768	---	---	---
27	605	565	589	745	724	734	782	750	768	---	---	---
28	618	568	597	739	724	731	797	763	776	---	---	---
29	636	592	620	754	723	733	797	771	787	---	---	---
30	662	598	634	751	716	738	789	757	772	---	---	---
31	741	605	659	---	---	---	770	752	759	---	---	---
MONTH	790	523	716	772	634	707	797	722	753	---	---	---

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	768	721	747	775	745	760
2	---	---	---	---	---	---	759	740	751	771	740	756
3	---	---	---	805	754	785	762	727	744	767	734	752
4	---	---	---	809	752	794	757	728	743	767	734	750
5	---	---	---	803	749	776	772	735	754	776	741	758
6	---	---	---	804	744	774	778	732	760	763	730	748
7	---	---	---	793	743	767	775	729	754	756	729	741
8	---	---	---	800	743	776	762	738	750	761	719	736
9	---	---	---	804	782	793	755	707	734	761	705	738
10	---	---	---	806	775	790	756	730	745	773	742	756
11	---	---	---	807	786	796	753	714	736	774	722	745
12	---	---	---	814	789	801	769	695	740	758	712	738
13	---	---	---	814	761	796	755	710	740	758	721	737
14	---	---	---	812	788	800	759	731	744	774	745	758
15	---	---	---	808	785	800	751	725	740	754	718	739
16	---	---	---	808	783	795	755	728	742	759	719	735
17	---	---	---	802	768	790	759	736	746	753	714	733
18	---	---	---	800	775	790	758	713	740	741	723	732
19	---	---	---	796	775	784	752	731	740	---	---	---
20	---	---	---	792	731	772	744	722	733	---	---	---
21	---	---	---	797	771	782	748	722	733	---	---	---
22	---	---	---	798	771	786	751	716	736	---	---	---
23	---	---	---	795	772	786	747	723	736	---	---	---
24	---	---	---	793	720	779	751	725	739	---	---	---
25	---	---	---	791	711	758	750	724	740	---	---	---
26	---	---	---	786	716	764	756	733	744	---	---	---
27	---	---	---	778	711	754	756	737	746	---	---	---
28	---	---	---	780	708	738	755	731	744	---	---	---
29	---	---	---	772	712	739	765	742	754	---	---	---
30	---	---	---	767	710	749	770	736	751	---	---	---
31	---	---	---	770	718	752	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	778	695	744	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	652	632	641	662	641	648	664	659	661
2	---	---	---	646	635	640	655	642	649	666	661	663
3	---	---	---	641	621	626	653	645	650	668	661	664
4	---	---	---	632	619	623	658	633	641	674	665	670
5	---	---	---	628	619	622	661	633	638	673	668	671
6	---	---	---	628	619	624	651	635	644	676	669	672
7	---	---	---	627	615	620	652	646	649	676	671	674
8	---	---	---	625	616	622	650	646	648	677	673	675
9	719	642	675	630	604	620	656	647	651	685	672	677
10	658	643	648	635	626	630	650	636	645	680	675	678
11	645	636	640	644	631	635	645	635	638	685	678	681
12	656	638	647	644	618	634	646	639	644	685	679	683
13	647	628	639	634	616	625	650	643	647	688	681	685
14	640	616	630	632	626	629	654	645	650	687	680	684
15	646	601	626	637	631	635	654	643	648	691	683	687
16	792	630	680	639	635	637	649	637	642	695	689	692
17	674	627	650	641	635	638	653	647	650	696	692	694
18	765	646	672	641	636	639	650	641	646	699	695	696
19	678	629	653	641	637	639	655	645	649	700	694	697
20	647	626	634	647	639	643	654	646	651	701	692	698
21	642	618	632	653	645	650	649	641	643	698	690	695
22	646	624	639	659	653	656	655	649	652	695	688	692
23	649	634	643	662	657	660	656	651	654	697	687	692
24	652	645	649	662	657	659	656	650	654	700	691	697
25	650	645	647	660	658	659	656	654	655	710	691	698
26	650	641	646	659	655	657	658	653	655	702	694	699
27	647	640	643	658	653	656	660	654	657	704	697	700
28	643	632	637	660	655	657	659	655	658	707	700	703
29	638	623	630	657	644	648	659	651	656	705	697	702
30	648	626	641	651	644	647	663	651	657	702	692	697
31	---	---	---	651	640	644	663	660	662	---	---	---
MONTH	---	---	---	662	604	639	663	633	649	710	659	686

09234500 GREEN RIVER NEAR GREENDALE, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.9	---	---	---	---	---	---	---	8.8	11.6	13.3	13.1
2	13.4	---	---	---	---	e3.5	---	---	9.1	11.8	12.7	12.7
3	---	---	---	---	---	---	---	---	9.7	12.8	11.9	12.7
4	---	---	---	---	---	---	---	---	9.1	13.2	13.5	12.4
5	13.6	---	---	---	---	---	e5.5	---	9.0	12.7	13.5	12.4
6	14.4	---	---	---	---	---	---	---	9.2	12.2	12.2	12.8
7	13.4	---	---	---	---	---	---	---	---	12.5	11.6	12.9
8	---	---	---	---	---	---	---	---	9.4	12.6	12.0	12.6
9	---	---	---	---	---	---	---	---	---	12.8	12.1	13.0
10	---	---	---	---	---	---	---	---	---	12.2	12.6	13.0
11	12.7	---	---	---	---	---	---	---	9.5	12.6	14.0	12.7
12	---	---	---	---	---	---	---	---	9.2	12.9	13.1	12.6
13	12.0	---	---	---	---	---	---	---	9.5	13.1	12.9	12.2
14	11.9	---	---	---	---	---	---	---	10.3	12.6	12.6	13.0
15	13.7	---	---	---	---	---	---	---	9.9	12.6	12.3	12.6
16	---	---	---	---	---	---	---	e7.0	8.9	12.6	13.5	11.9
17	---	---	---	---	---	---	---	8.0	9.4	12.8	12.5	12.0
18	e11.0	---	---	---	---	---	---	---	9.4	12.9	13.8	11.9
19	---	---	---	---	---	---	---	---	10.1	13.1	13.1	12.1
20	---	---	---	---	---	---	---	---	10.8	13.1	12.1	12.6
21	---	---	---	---	---	---	---	---	11.0	13.0	13.8	17.0
22	---	---	---	---	---	---	---	7.8	11.1	13.3	12.6	12.4
23	---	---	---	---	---	---	---	---	11.2	13.3	12.5	15.1
24	---	---	---	e3.7	---	---	---	---	11.2	13.3	12.6	13.8
25	---	---	---	---	---	---	---	7.9	11.4	13.2	12.5	14.7
26	---	---	---	---	---	---	---	---	11.4	13.3	12.4	12.6
27	---	---	---	---	---	---	---	---	11.7	13.2	12.4	12.6
28	---	---	---	---	---	---	---	---	12.0	12.8	12.5	12.1
29	---	e7.0	---	---	---	---	---	---	11.6	13.7	13.4	12.7
30	---	---	---	---	---	---	---	8.6	11.2	13.7	13.8	12.8
31	---	---	---	---	---	---	---	9.2	---	13.6	13.0	---
MEAN	---	---	---	---	---	---	---	---	---	12.9	12.8	12.9
MAX	---	---	---	---	---	---	---	---	---	13.7	14.0	17.0
MIN	---	---	---	---	---	---	---	---	---	11.6	11.6	11.9

e Estimated, from field observations.

09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in NE$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 5, T. 5 S., R. 24 E., Uintah County, Hydrologic Unit 14060001, Dinosaur National Monument, on right bank 300 ft upstream from highway bridge, 1 mi downstream from Cub Creek and Chew Ranch, 4 mi southeast of Dinosaur National Monument headquarters, 6.5 mi northeast of Jensen, 12 mi upstream from Brush Creek, and 313.9 mi from mouth.

DRAINAGE AREA.--29,660 mi^2, approximately, including about 4,260 mi^2, which probably is noncontributing. This noncontributing area includes 3,959 mi^2 in Great Divide Basin in southern Wyoming.

WATER-DISCHARGE RECORDS

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft$^3/_s$ May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft$^3/_s$ Dec. 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft$^3/_s$ June 8, gage height, 9.41 ft; minimum daily discharge, 1,180 ft$^3/_s$ Nov. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	1260	1650	1530	1710	1920	1830	3840	17000	14600	3470	e1650
2	1670	1280	1700	1620	1730	1830	1750	5350	16600	13600	3100	e1750
3	1850	1340	1750	1720	1920	1760	1660	6600	15900	12900	2770	e1740
4	2140	1290	1810	1620	2220	1770	1650	7200	16000	12300	2630	e1740
5	2020	1270	1820	1760	2170	1690	1710	9090	16700	12700	2550	e1760
6	2260	1230	1830	1680	2220	1660	1800	7230	17100	12400	2320	1740
7	2160	1260	1850	1600	2260	1650	1890	6310	18100	10900	2180	1770
8	1910	1300	1770	1590	2130	1620	2310	6570	18600	10100	2060	1750
9	1800	1320	1580	1630	2110	1560	2860	6500	18100	10300	2000	1820
10	1910	1300	1590	1660	2050	1500	3180	7780	16700	10500	1950	1900
11	1910	1310	1580	1700	2020	1460	3440	8040	17200	10100	e1900	1760
12	1760	1340	1640	1710	1920	1530	3260	7640	14300	10200	e1900	1830
13	1740	1390	1670	1700	1820	1570	2960	8220	13500	10200	e1900	1880
14	1680	1370	1670	1720	1890	1630	2730	11800	14100	10000	e1900	1840
15	1680	1320	1630	1750	1860	1830	2670	10200	15700	9700	e1960	1770
16	1820	1300	1620	1790	1590	1930	2710	8620	16800	9970	e2050	1760
17	1890	1280	1640	1720	1490	1830	3100	9490	17700	8910	e1900	1740
18	1900	1320	1660	1720	1640	1890	3120	12000	18200	8220	e1800	1730
19	1890	1260	1670	1690	1530	2060	2990	11900	18300	7730	e1800	1710
20	1860	1180	1650	1680	1460	2300	3290	12300	17400	7440	e1800	1730
21	1850	1260	1640	1680	1500	2420	3470	13600	15200	7360	e1800	1770
22	1850	1260	1630	1610	1660	2970	3470	15700	15100	7440	e1840	1730
23	1860	1210	1640	1610	2140	2740	3420	16100	15300	7210	e1840	1750
24	1900	1270	1670	1650	2440	2620	3410	17800	16000	6870	e1840	1810
25	1900	1330	1690	1770	2310	2880	3260	18000	16100	6480	e1850	1830
26	1740	1430	1700	1700	2210	2540	3310	16600	15600	6160	e1790	1890
27	1640	1390	1700	1680	2160	2470	3330	16300	14700	5820	e1800	1910
28	1450	1390	1710	1640	1990	2260	3680	15600	14300	5630	e1750	1810
29	1280	1490	1730	1650	---	2060	3610	15800	14400	5360	e1740	1890
30	1260	1630	1730	1650	---	1950	3560	15600	14800	4660	e1730	1860
31	1250	---	1720	1700	---	1870	---	15400	---	4040	e1680	---
TOTAL	55500	39580	52340	51930	54150	61770	85430	343180	485500	279800	63600	53620
MEAN	1790	1319	1688	1675	1934	1993	2848	11070	16180	9026	2052	1787
MAX	2260	1630	1850	1790	2440	2970	3680	18000	18600	14600	3470	1910
MIN	1250	1180	1580	1530	1460	1460	1650	3840	13500	4040	1680	1650
AC-FT	110100	78510	103800	103000	107400	122500	169500	680700	963000	555000	126200	106400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 1995, BY WATER YEAR (WY)

MEAN	2118	2156	2130	2102	2320	2950	5536	11200	11540	4845	2495	1906
MAX	5022	4833	4414	4844	4839	5765	15360	24110	26440	16110	6463	4159
(WY)	1983	1987	1987	1985	1986	1986	1962	1984	1957	1983	1983	1983
MIN	346	593	528	598	721	949	2029	4220	3129	498	453	505
(WY)	1964	1963	1963	1955	1955	1963	1963	1990	1992	1963	1963	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1947 - 1995	
ANNUAL TOTAL	1070440		1626400			
ANNUAL MEAN	2933		4456		4278	
HIGHEST ANNUAL MEAN					7784	1984
LOWEST ANNUAL MEAN					1458	1963
HIGHEST DAILY MEAN	11700	May 20	18600	Jun 8	38500	May 18 1984
LOWEST DAILY MEAN	1180	Nov 20	1180	Nov 20	260	Aug 2 1963
ANNUAL SEVEN-DAY MINIMUM	1250	Nov 18	1250	Nov 18	276	Jul 29 1963
ANNUAL RUNOFF (AC-FT)	2123000		3226000		3099000	
10 PERCENT EXCEEDS	7130		14500		10500	
50 PERCENT EXCEEDS	1950		1870		2670	
90 PERCENT EXCEEDS	1490		1500		1060	

e Estimated

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

WATER-QUALITY RECORDS

LOCATION.--Daily specific conductance and temperature data collected at bridge on Utah Highway 149, 0.1 mi downstream from gaging station.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1947 to September 1952, October 1961 to current year.

WATER TEMPERATURES: March 1949 to September 1959, October 1961 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1948 to September 1979.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,330 microsiemens Sept. 10, 1963; minimum daily, 176 microsiemens May 24, 1963.

WATER TEMPERATURES: Maximum, 30.0°C July 11, 1958; minimum, 0.0°C on many days during winter period each year.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 40,600 mg/L Aug. 23, 1960; minimum daily mean, 9 mg/L Oct. 7-11, 1953, Nov. 22, 1962, and Sept. 1, 1972.

SEDIMENT LOADS: Maximum daily, 2,500,000 tons Mar. 29, 1962; minimum daily, 10 tons on many days in 1962 and 1963.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 880 microsiemens Oct. 7; minimum observed, 205 microsiemens June 19.

WATER TEMPERATURES: Maximum daily, 19.0°C Aug. 7, 22, 26, Sept. 3; minimum daily, 0.0°C several days in December and January.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)
OCT						
18...	0900	1980	--	8.7	7.0	9.0
FEB						
28...	1645	--	670	--	--	--
MAR						
02...	1615	--	700	--	--	--
05...	1355	--	--	--	--	--
12...	1150	--	--	--	--	--
16...	1600	--	720	--	--	--
20...	1600	--	670	--	--	--
APR						
02...	1131	--	720	--	--	--
09...	1655	--	660	--	--	--
10...	1815	--	610	--	--	--
12...	1730	--	520	--	--	--
15...	1800	--	580	--	--	--
28...	1800	--	630	--	--	--
MAY						
03...	2025	--	660	--	--	--
16...	1530	8580	465	8.3	21.5	14.5
JUL						
13...	1530	10100	290	8.2	19.0	19.5
AUG						
29...	1630	1730	640	8.5	31.0	22.0

DATE	TIME	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
FEB			
28...	1645	1	--
MAR			
02...	1615	1	--
05...	1355	<1	--
12...	1150	1	--
16...	1600	1	--
20...	1600	2	--
APR			
02...	1131	2	--
09...	1655	1	--
10...	1815	1	--
12...	1730	1	--
15...	1800	1	--
28...	1800	1	--
MAY			
03...	2025	4	--
16...	1530	--	1
JUL			
13...	1530	--	<1
AUG			
29...	1630	--	<1

09261000 GREEN RIVER NEAR JENSEN, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	750	700	760	680	750	---	700	600	---	340	475	700
2	740	720	740	690	---	700	740	600	260	350	---	710
3	730	700	740	790	740	---	700	660	---	365	---	710
4	710	710	740	780	710	---	700	---	260	---	---	---
5	750	740	720	780	670	---	710	590	290	355	---	---
6	---	760	720	760	680	---	---	---	---	---	540	740
7	880	750	710	---	---	---	700	---	265	---	560	740
8	820	750	730	770	700	---	680	---	250	360	570	740
9	---	750	750	760	700	740	670	---	230	345	570	740
10	750	750	---	750	710	740	610	---	225	335	600	730
11	740	740	---	740	730	750	---	---	225	340	---	790
12	740	710	780	750	730	750	520	---	230	330	600	---
13	---	740	780	750	740	750	530	---	315	315	610	---
14	750	740	760	740	---	760	540	---	250	340	620	---
15	770	760	760	730	750	750	580	---	---	340	---	---
16	730	760	770	720	780	720	570	---	---	350	640	---
17	710	770	770	720	780	720	560	---	---	375	650	---
18	730	760	780	720	---	730	550	370	---	400	650	---
19	710	770	770	730	740	680	540	365	205	405	660	---
20	710	750	770	740	740	670	540	390	245	420	670	---
21	720	740	770	750	740	---	550	425	275	445	670	---
22	700	740	780	760	730	---	560	395	255	455	690	---
23	700	760	---	790	720	---	580	395	270	450	710	---
24	700	---	---	800	680	---	590	375	270	460	---	---
25	---	760	---	---	640	---	590	365	---	480	720	---
26	710	760	---	760	650	---	600	400	345	490	700	---
27	710	---	---	760	660	---	610	380	270	490	700	---
28	---	770	---	760	670	690	630	---	360	500	700	---
29	690	---	---	760	---	---	610	380	345	510	700	---
30	710	770	---	760	---	710	620	---	340	500	700	---
31	---	---	740	750	---	700	---	350	---	490	---	---
MEAN	734	746	754	750	714	722	610	440	272	405	639	733

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.0	.5	.0	3.0	---	9.0	12.0	---	13.0	18.0	18.0
2	14.0	6.0	.0	.0	---	6.5	7.5	10.0	11.0	13.5	---	18.5
3	12.0	5.5	1.5	.5	4.0	6.0	11.0	10.5	---	12.5	---	19.0
4	12.0	4.0	3.0	.5	3.0	6.0	12.0	---	11.0	---	---	---
5	11.5	3.0	4.0	.5	3.0	7.0	12.0	11.0	13.0	13.5	---	---
6	---	4.0	4.0	1.0	3.0	6.5	---	11.0	---	---	18.5	17.0
7	12.5	5.0	3.5	---	---	6.0	13.5	9.5	12.0	---	19.0	16.5
8	10.5	6.5	2.0	1.0	4.0	5.5	12.0	10.5	11.0	17.0	18.5	16.0
9	---	6.5	.5	1.0	4.0	6.5	11.0	11.0	10.0	17.5	15.5	16.0
10	12.5	6.0	---	3.5	4.0	8.0	9.0	12.0	10.5	17.5	18.0	15.5
11	12.5	6.5	---	4.0	2.0	8.0	---	11.5	11.0	17.0	---	16.0
12	13.0	6.5	.0	3.0	1.0	8.5	11.0	11.5	12.5	17.0	17.5	15.0
13	---	5.5	.5	2.5	1.5	9.5	12.0	12.0	14.0	16.0	18.0	15.0
14	12.0	3.5	1.0	3.5	---	9.5	11.0	13.5	15.0	15.0	17.0	15.0
15	11.5	2.0	1.0	3.0	.5	9.5	9.5	14.5	---	16.5	---	14.5
16	10.5	1.5	.5	3.5	.5	10.5	11.0	---	---	16.5	16.5	14.5
17	9.5	1.0	.5	2.5	1.5	11.0	10.5	---	---	16.5	17.5	13.5
18	10.0	2.0	.5	1.5	---	10.0	12.0	13.5	---	17.0	18.0	12.5
19	10.5	1.5	.5	1.5	4.5	11.0	10.5	13.5	11.5	16.5	18.0	11.5
20	10.5	1.0	.5	1.5	4.5	10.5	11.5	14.0	12.5	15.5	18.0	10.5
21	10.5	2.0	.5	.0	5.0	9.0	11.0	11.5	13.5	16.0	18.5	10.5
22	12.0	2.0	.5	.0	5.0	9.5	11.5	11.0	13.5	15.5	19.0	9.5
23	12.0	.5	---	.0	5.0	9.0	11.0	10.0	13.5	15.5	18.5	9.0
24	11.0	---	---	1.0	4.5	8.5	11.5	8.0	13.5	16.5	---	8.5
25	---	1.5	---	---	5.0	7.5	12.0	8.5	---	17.0	18.5	8.5
26	9.5	.5	---	1.5	6.0	7.0	13.0	8.5	14.5	17.0	19.0	9.5
27	10.0	---	---	3.0	5.0	---	11.5	8.0	14.5	17.0	18.0	10.0
28	---	.5	---	3.0	6.0	7.0	11.5	---	14.5	17.5	18.5	10.0
29	10.5	.5	---	2.5	---	---	11.0	8.5	14.5	18.5	18.5	11.0
30	8.5	.5	---	1.5	---	6.0	10.5	---	13.5	17.5	18.0	11.5
31	---	---	1.5	2.5	---	7.0	---	10.0	---	17.5	---	---
MEAN	11.3	3.3	1.3	1.7	3.6	8.1	11.1	11.0	12.7	16.2	18.0	13.3

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, 375 ft^3/s June 2, 1983, gage height, 2.40 ft; maximum gage height, 3.06 ft May 23, 1980 at different datum; minimum daily, 7.6 ft^3/s Feb. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 343 ft^3/s June 17, gage height, 2.15 ft; minimum daily discharge, 13 ft^3/s Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	24	e19	e14	14	15	22	52	247	235	34	35
2	13	25	e19	e14	15	16	23	57	255	220	33	32
3	22	22	19	e14	16	17	23	57	278	220	32	31
4	22	23	17	e14	14	16	25	57	278	207	32	29
5	29	24	17	14	14	16	29	68	275	179	35	28
6	30	23	16	15	14	16	37	68	283	148	35	27
7	26	22	16	15	14	15	41	63	283	129	33	27
8	24	22	16	14	14	17	56	60	279	115	31	29
9	22	20	16	14	16	17	66	61	266	106	35	30
10	22	20	16	14	16	17	62	77	251	98	39	30
11	23	20	16	14	14	16	56	99	248	86	42	30
12	23	21	16	15	14	16	53	112	263	78	42	27
13	22	20	16	14	14	16	63	94	292	75	40	26
14	22	18	15	16	e14	16	85	90	295	70	40	26
15	27	17	16	15	e14	16	77	107	311	66	39	26
16	28	18	16	14	e14	18	67	168	321	60	37	26
17	25	19	16	14	e14	19	61	194	333	54	37	25
18	24	19	15	14	14	20	55	210	334	54	36	26
19	23	18	15	14	14	21	53	230	333	56	35	26
20	24	18	15	15	15	23	49	246	331	57	35	25
21	24	18	14	17	15	24	48	253	324	56	35	25
22	26	17	14	16	16	26	43	265	315	48	35	26
23	26	17	14	14	15	26	42	275	307	56	35	25
24	26	17	15	14	15	25	41	275	294	52	35	25
25	25	17	16	14	15	25	41	278	283	44	35	25
26	26	17	15	15	16	25	42	277	272	40	35	25
27	26	18	15	16	16	25	41	274	266	37	35	25
28	26	18	14	16	16	24	46	265	262	35	35	25
29	27	e18	14	14	---	23	45	257	261	35	35	25
30	26	e19	e14	14	---	24	47	253	251	35	36	25
31	24	---	e14	14	---	24	---	244	---	35	35	---
TOTAL	746	589	486	451	412	614	1439	5086	8591	2786	1108	812
MEAN	24.1	19.6	15.7	14.5	14.7	19.8	48.0	164	286	89.9	35.7	27.1
MAX	30	25	19	17	16	26	85	278	334	235	42	35
MIN	13	17	14	14	14	15	22	52	247	35	31	25
AC-FT	1480	1170	964	895	817	1220	2850	10090	17040	5530	2200	1610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

MEAN	21.7	18.1	15.8	14.8	14.2	15.5	48.2	145	119	48.3	34.0	24.3
MAX	38.2	29.3	25.4	22.4	21.4	24.4	88.9	209	314	126	51.2	32.6
(WY)	1987	1987	1984	1984	1987	1986	1985	1985	1983	1983	1983	1986
MIN	13.5	12.4	10.2	10.1	10.6	10.8	17.7	50.8	26.8	25.9	20.3	15.7
(WY)	1990	1991	1993	1993	1993	1982	1982	1989	1989	1989	1989	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1980 - 1995	
ANNUAL TOTAL	12818		23120			
ANNUAL MEAN	35.1		63.3		43.3	
HIGHEST ANNUAL MEAN					64.5	1983
LOWEST ANNUAL MEAN					23.6	1989
HIGHEST DAILY MEAN	217	May 14	334	Jun 18	336	Jun 24 1983
LOWEST DAILY MEAN	10	Feb 1	13	Oct 1	7.6	Feb 10 1992
ANNUAL SEVEN-DAY MINIMUM	11	Jan 30	14	Dec 28	8.8	Feb 7 1992
ANNUAL RUNOFF (AC-FT)	25420		45860		31390	
10 PERCENT EXCEEDS	81		252		99	
50 PERCENT EXCEEDS	20		26		22	
90 PERCENT EXCEEDS	13		14		12	

e Estimated

09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in NE$^1/_4$NW$^1/_4$NE$^1/_4$ sec. 12, T. 3 S., R. 20 E., Uintah County, Hydrologic Unit 14060002, on right bank 0.8 mi upstream from head of Utah Power & Light Co.'s canal, 4.5 mi upstream from Dry Fork, and 10 mi northwest of Vernal.

DRAINAGE AREA.--101 mi^2.

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

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

REMARKS.--No estimated daily discharges. Records fair. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline, capacity, approximately 11 ft$^3/_s$, diverts water from tributary spring about 1,000 ft above station (diversion began Aug. 1, 1941); at times, part of this flow is returned to Ashley Creek 2.5 mi below station. Prior to September 1961, pipeline capacity was approximately 5 ft$^3/_s$ and the return flow entered Ashley Creek 0.5 mi below station.

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

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

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
June 15	1830	*4,100	*5.64				

Minimum daily discharge, 15 ft$^3/_s$, Mar. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	55	37	23	17	17	21	69	640	444	103	111
2	24	54	36	22	18	17	20	76	930	424	97	115
3	26	50	35	23	18	17	20	73	1010	466	95	116
4	32	50	35	23	17	17	20	73	844	397	99	106
5	41	52	35	23	17	16	22	79	1180	361	124	99
6	44	52	34	23	17	17	24	82	1510	384	98	94
7	42	52	33	22	17	15	31	80	908	417	78	87
8	40	50	33	22	17	16	40	78	666	399	70	92
9	39	49	31	22	17	17	44	80	529	360	67	93
10	41	47	31	22	16	17	47	94	487	356	63	109
11	44	47	31	22	16	17	48	131	722	352	73	118
12	46	46	31	21	17	18	49	161	1460	325	73	109
13	47	45	31	21	16	17	54	154	1920	332	67	107
14	49	42	31	21	17	17	76	147	1970	295	70	103
15	57	38	30	20	16	17	77	188	2530	254	67	101
16	55	36	30	21	16	18	75	279	1660	218	62	97
17	56	39	30	21	16	18	72	290	1110	197	61	92
18	56	40	29	20	16	19	67	305	880	214	60	88
19	53	41	29	19	16	19	68	371	1020	208	59	90
20	56	41	28	20	16	20	64	464	1160	218	59	85
21	56	41	28	20	16	21	62	567	1020	199	61	81
22	57	40	27	19	16	23	59	755	878	181	76	81
23	57	39	27	19	16	23	58	760	821	282	79	79
24	56	39	26	18	16	23	56	566	734	200	98	77
25	56	39	26	19	16	23	56	491	753	164	92	77
26	56	39	26	19	17	22	56	454	755	147	86	77
27	58	40	25	19	17	23	55	420	806	132	108	75
28	58	39	25	18	17	23	62	376	911	124	109	75
29	57	38	25	18	---	22	64	366	659	117	108	75
30	54	37	25	18	---	22	65	386	496	110	112	75
31	51	---	24	18	---	22	---	455	---	104	115	---
TOTAL	1485	1317	924	636	464	593	1532	8870	30969	8381	2589	2784
MEAN	47.9	43.9	29.8	20.5	16.6	19.1	51.1	286	1032	270	83.5	92.8
MAX	58	55	37	23	18	23	77	760	2530	466	124	118
MIN	21	36	24	18	16	15	20	69	487	104	59	75
AC-FT	2950	2610	1830	1260	920	1180	3040	17590	61430	16620	5140	5520

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

MEAN	52.2	37.4	28.1	23.6	21.0	19.8	48.1	339	325	127	83.8	67.0
MAX	154	104	64.2	45.0	40.0	36.2	162	739	1051	360	161	230
(WY)	1942	1942	1942	1928	1928	1922	1962	1986	1983	1975	1952	1927
MIN	6.91	5.57	7.74	5.12	4.60	4.54	6.22	71.7	59.1	39.2	16.0	7.81
(WY)	1990	1990	1989	1977	1978	1978	1975	1977	1934	1977	1989	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1920 - 1995	
ANNUAL TOTAL	26249.1		60544			
ANNUAL MEAN	71.9		166		98.0	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					31.5	1977
HIGHEST DAILY MEAN	699	May 13	2530	Jun 15	2530	Jun 15 1995
LOWEST DAILY MEAN	8.3	Mar 31	15	Mar 7	3.5	Jan 3 1977
ANNUAL SEVEN-DAY MINIMUM	8.9	Apr 7	16	Feb 15	3.8	Dec 31 1976
ANNUAL RUNOFF (AC-FT)	52070		120100		71000	
10 PERCENT EXCEEDS	144		465		224	
50 PERCENT EXCEEDS	47		55		42	
90 PERCENT EXCEEDS	11		17		14	

09267500 MOSBY CANAL NEAR LAPOINT, UT

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 46 ft^3/s July 19, 1995; no flow for extended periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	e21	16	24	14
2	---	---	---	---	---	---	---	---	e24	17	23	13
3	---	---	---	---	---	---	---	---	e25	15	23	13
4	---	---	---	---	---	---	---	---	e24	12	23	12
5	---	---	---	---	---	---	---	---	e24	11	23	11
6	---	---	---	---	---	---	---	---	e25	10	18	8.6
7	---	---	---	---	---	---	---	---	e26	9.7	16	4.8
8	---	---	---	---	---	---	---	---	e26	8.1	16	11
9	---	---	---	---	---	---	---	---	e23	6.6	16	11
10	---	---	---	---	---	---	---	---	e19	5.5	18	11
11	---	---	---	---	---	---	---	---	e18	33	19	10
12	---	---	---	---	---	---	---	---	e19	39	18	10
13	---	---	---	---	---	---	---	---	e22	40	18	10
14	---	---	---	---	---	---	---	---	e26	38	18	9.8
15	---	---	---	---	---	---	---	---	e26	39	18	9.8
16	---	---	---	---	---	---	---	---	e28	37	18	9.4
17	---	---	---	---	---	---	---	---	e30	35	18	9.4
18	---	---	---	---	---	---	---	---	e31	40	18	9.4
19	---	---	---	---	---	---	---	---	e33	46	17	9.4
20	---	---	---	---	---	---	---	---	e34	40	17	9.4
21	---	---	---	---	---	---	---	---	e33	30	17	9.4
22	---	---	---	---	---	---	---	---	29	25	17	9.4
23	---	---	---	---	---	---	---	---	28	24	17	9.4
24	---	---	---	---	---	---	---	---	28	23	17	9.4
25	---	---	---	---	---	---	---	---	26	23	16	8.9
26	---	---	---	---	---	---	---	---	27	17	16	8.6
27	---	---	---	---	---	---	---	---	27	13	16	8.6
28	---	---	---	---	---	---	---	---	25	12	16	8.7
29	---	---	---	---	---	---	---	---	22	11	16	9.2
30	---	---	---	---	---	---	---	---	18	19	15	9.4
31	---	---	---	---	---	---	---	---	---	24	15	---
TOTAL	---	---	---	---	---	---	---	---	767	718.9	557	297.0
MEAN	---	---	---	---	---	---	---	---	25.6	23.2	18.0	9.90
MAX	---	---	---	---	---	---	---	---	34	46	24	14
MIN	---	---	---	---	---	---	---	---	18	5.5	15	4.8
AC-FT	---	---	---	---	---	---	---	---	1520	1430	1100	589

e Estimated

09271550 ASHLEY CREEK BELOW UNION CANAL DIVERSION NEAR JENSEN, UT

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

DRAINAGE AREA.--389 mi².

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records fair except for estimated daily discharges and daily discharges below 1.0 ft³/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft³/s June 16, 1995, gage height, 6.34 ft from high water mark, from rating curve extended above 1,800 ft³/s; minimum daily discharge, 0.03 ft³/s Aug. 7, 26, 27, 30, 31, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,300 ft³/s June 16, gage height, 6.34 ft from high water mark, from rating curve extended above 1,800 ft³/s; minimum daily discharge, 0.83 ft³/s Apr. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	22	e15	e13	e23	24	3.3	8.0	36	754	12	17
2	3.5	23	e16	e14	e21	23	2.8	35	150	695	13	16
3	16	29	e20	e13	e20	23	2.4	32	405	807	40	17
4	25	e20	e25	e15	e19	24	2.1	27	270	714	10	19
5	20	e21	e22	e18	e18	23	2.6	20	307	600	12	16
6	19	e22	e20	e19	e19	22	2.5	17	727	606	13	15
7	18	e23	e16	e20	e20	21	2.1	13	480	679	17	14
8	18	e21	e14	e20	e22	21	1.8	14	247	690	12	19
9	16	e21	e13	e23	e20	21	2.0	19	166	573	5.7	21
10	14	e24	e14	e25	e19	21	1.2	19	142	531	4.0	20
11	14	e23	e14	e21	e19	21	.91	12	196	555	10	25
12	14	e20	e17	e19	e19	23	.89	14	732	480	41	27
13	13	e16	e18	e21	e19	21	1.0	17	1410	430	44	23
14	13	e13	e14	22	e13	20	1.6	12	e1770	349	46	25
15	12	e11	e15	e20	e11	19	1.4	11	e2530	305	48	21
16	27	e15	e16	e18	e13	19	1.1	7.1	e3560	200	33	20
17	41	e14	e15	e16	e15	19	.83	9.7	e2110	157	25	17
18	45	e15	e12	e16	e21	18	.92	11	e1580	161	22	20
19	56	e14	e15	e16	e22	18	2.9	10	e1730	174	19	25
20	59	e13	e14	e14	e23	15	4.4	8.9	e1970	235	14	28
21	59	e13	e12	e14	e22	6.6	3.9	14	e1730	219	15	31
22	60	e11	e12	e13	e23	6.2	3.8	92	e1500	155	16	30
23	39	e12	e14	e13	e23	5.4	4.1	156	1350	230	13	24
24	26	e14	e17	e18	e26	5.5	5.5	67	1180	244	13	25
25	23	e15	e19	22	e28	4.4	5.3	43	1260	163	13	26
26	22	e13	e19	21	e29	4.2	4.0	34	1250	98	12	28
27	22	e12	e17	20	e27	4.3	2.9	36	1320	55	14	26
28	22	e15	e18	e19	e25	4.2	2.5	34	1360	35	17	23
29	21	e13	e19	e17	---	3.9	3.0	32	1230	29	13	30
30	21	e16	e17	e19	---	4.0	14	26	922	23	13	41
31	20	---	e14	e20	---	4.1	---	19	---	16	16	---
TOTAL	782.0	514	503	559	579	468.8	87.75	869.7	33620	10962	595.7	689
MEAN	25.2	17.1	16.2	18.0	20.7	15.1	2.92	28.1	1121	354	19.2	23.0
MAX	60	29	25	25	29	24	14	156	3560	807	48	41
MIN	3.5	11	12	13	11	3.9	.83	7.1	36	16	4.0	14
AC-FT	1550	1020	998	1110	1150	930	174	1730	66690	21740	1180	1370

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

MEAN	21.6	23.3	19.1	18.5	27.4	30.1	12.6	129	355	96.4	16.3	9.54
MAX	30.4	30.3	26.6	22.9	49.1	56.5	35.4	446	1121	354	40.4	23.0
(WY)	1994	1994	1994	1994	1994	1993	1993	1993	1995	1995	1993	1995
MIN	13.3	17.1	13.1	15.8	19.7	15.1	2.43	9.97	4.80	.51	.40	1.41
(WY)	1993	1995	1993	1993	1992	1995	1992	1992	1992	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1992 - 1995		
ANNUAL TOTAL	6283.84		50229.95				
ANNUAL MEAN	17.2		138		63.1		
HIGHEST ANNUAL MEAN					138		1995
LOWEST ANNUAL MEAN					12.7		1992
HIGHEST DAILY MEAN	267	May 14	3560	Jun 16	3560	Jun 16	1995
LOWEST DAILY MEAN	.03	Aug 7	.83	Apr 17	.03	Aug 7	1994
ANNUAL SEVEN-DAY MINIMUM	.03	Aug 25	1.1	Apr 11	.03	Aug 25	1994
ANNUAL RUNOFF (AC-FT)	12460		99630		45700		
10 PERCENT EXCEEDS	44		324		56		
50 PERCENT EXCEEDS	14		19		18		
90 PERCENT EXCEEDS	.36		4.4		1.7		

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 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT						
19...	1120	58	1630	8.3	9.5	48
MAR						
21...	0820	7.7	2630	8.2	9.0	99
APR						
19...	0845	1.0	3440	8.1	9.0	110
MAY						
18...	0745	10	2560	8.1	12.0	88
JUN						
22...	0830	1200	330	8.1	9.0	4
JUL						
18...	0730	146	850	8.0	17.5	16
AUG						
17...	0740	53	1680	8.1	18.5	20
SEP						
23...	0605	153	1640	8.2	--	33

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

LOCATION.--Lat 40°27'42", long 110°50'10", in $SE^1/_4SE^1/_4SW^1/_4$ sec. 19, T. 1 N., R. 8 W., Uinta Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank .2 mi above confluence with North Fork of Duchesne River and 4.5 mi northwest of Hanna.

DRAINAGE AREA.--89.1 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 614 ft^3/s June 26, 1995, gage height, 4.06 ft, from rating curve extended above 160 ft^3/s; minimum daily discharge 6.8 ft^3/s Aug. 30, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 614 ft^3/s June 26, gage height, 4.06 ft, from rating curve extended above 160 ft^3/s; minimum daily discharge 11 ft^3/s Dec. 19, Feb. 15-17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	e19	e12	e15	e13	24	33	76	154	32	27
2	17	16	e20	e12	e14	e13	22	44	87	153	30	29
3	22	15	e21	e12	e14	e14	23	41	108	227	30	28
4	23	19	e20	e13	e13	e14	27	41	335	129	30	28
5	22	16	e19	e14	e13	e14	30	42	198	96	29	28
6	22	15	e17	e15	e13	e13	31	43	364	86	29	28
7	19	15	e15	e15	e14	e14	30	42	277	72	29	27
8	18	15	e13	e16	e14	e15	27	41	256	57	28	27
9	17	15	e11	e17	e14	e16	26	41	196	48	28	26
10	17	15	e12	e16	e13	15	26	45	181	48	29	26
11	17	15	e12	e15	e13	23	25	48	246	48	30	25
12	17	17	e13	e16	e13	24	26	47	315	49	29	25
13	16	16	e13	e17	e13	19	28	45	421	46	28	25
14	14	e17	e13	e17	e12	21	29	47	378	44	28	24
15	16	e18	e13	e16	e11	21	27	46	348	43	28	24
16	17	e18	e13	e16	e11	22	26	48	315	42	29	24
17	16	e18	e12	e15	e11	21	27	49	145	42	27	24
18	16	e18	e12	e14	e12	22	26	66	132	42	27	26
19	17	e17	e11	e14	e12	24	27	101	259	41	27	25
20	16	e16	e12	e13	e13	21	26	73	251	39	27	24
21	16	e15	e12	e12	e13	21	26	73	255	38	27	24
22	15	e16	e13	e12	e14	21	25	77	208	37	28	24
23	14	e17	e14	e13	e14	20	26	92	216	37	29	24
24	14	e16	e14	e14	e15	20	26	86	304	36	28	24
25	14	e15	e15	e16	e15	20	26	84	394	36	26	24
26	15	e16	e15	e15	e14	20	26	75	343	35	26	24
27	15	e17	e14	e15	e14	20	27	71	307	35	26	24
28	15	e17	e13	e14	e14	18	27	68	293	34	26	24
29	15	e18	e14	e13	---	19	29	66	232	33	25	24
30	15	e18	e13	e14	---	19	33	66	175	33	25	25
31	16	---	e13	e14	---	20	---	70	---	33	25	---
TOTAL	520	491	441	447	371	577	804	1811	7615	1893	865	761
MEAN	16.8	16.4	14.2	14.4	13.2	18.6	26.8	58.4	254	61.1	27.9	25.4
MAX	23	19	21	17	15	24	33	101	421	227	32	29
MIN	14	15	11	12	11	13	22	33	76	33	25	24
AC-FT	1030	974	875	887	736	1140	1590	3590	15100	3750	1720	1510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	15.0	15.0	13.9	13.0	12.7	15.0	23.1	58.3	71.6	30.6	19.2	16.4
MAX	19.5	18.0	16.9	15.8	13.9	18.6	27.3	137	254	61.1	27.9	25.4
(WY)	1994	1994	1994	1994	1994	1995	1990	1993	1995	1995	1995	1995
MIN	10.6	11.3	10.9	10.9	10.4	11.6	17.1	28.9	15.4	15.5	11.3	9.02
(WY)	1993	1990	1993	1993	1990	1992	1992	1994	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	6810		16596			
ANNUAL MEAN	18.7		45.5		25.4	
HIGHEST ANNUAL MEAN					45.5	1995
LOWEST ANNUAL MEAN					16.7	1992
HIGHEST DAILY MEAN	38	Jun 14	421	Jun 13	421	Jun 13 1995
LOWEST DAILY MEAN	10	Feb 28	11	Dec 9	6.8	Aug 30 1992
ANNUAL SEVEN-DAY MINIMUM	11	Feb 23	12	Feb 13	7.4	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	13510		32920		18370	
10 PERCENT EXCEEDS	30		86		36	
50 PERCENT EXCEEDS	16		24		16	
90 PERCENT EXCEEDS	13		13		11	

e Estimated

09277500 DUCHESNE RIVER NEAR TABIONA, UT

LOCATION.--Lat 40°18'01", long 110°36'06", in $SE^1/_4SW^1/_4SE^1/_4$ sec. 18, T. 2 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank on upstream side of bridge on State Highway 35, 6 mi upstream from Rock Creek, and 7 mi southeast of Tabiona.

DRAINAGE AREA.--356 mi^2.

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,260 $ft^3/_s$ June 16, 1963, gage height, 7.97 ft from floodmarks, caused by failure of Little Deer Creek Dam 20 mi upstream. Rating curve extended above 400 $ft^3/_s$ on basis of slope-area measurement and area-velocity study of peak flow; minimum discharge, 18 $ft^3/_s$ June 5, 6, 1992.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 15	0700	*2,000	*5.09				

Minimum daily discharge, 54 $ft^3/_s$ Aug. 9, 10, 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	91	81	67	79	77	88	105	219	747	72	55
2	83	93	80	e72	86	79	83	127	308	719	69	63
3	106	93	81	e75	81	74	84	126	419	855	62	64
4	131	89	81	e72	78	76	90	116	612	729	59	64
5	117	95	81	69	79	74	e97	116	580	632	58	66
6	116	92	81	73	79	73	e100	120	810	864	59	65
7	101	91	81	72	78	68	e105	118	757	927	61	69
8	94	91	71	74	78	70	99	114	740	919	58	77
9	93	87	77	75	77	74	95	114	661	813	54	77
10	91	86	85	72	74	76	91	123	579	794	54	80
11	93	e84	89	75	74	84	88	133	629	728	61	76
12	93	e82	81	70	72	109	88	139	788	488	60	77
13	88	e84	78	73	73	92	89	130	1170	445	62	78
14	89	e82	81	73	75	84	93	131	1450	363	63	77
15	95	e82	80	77	64	86	94	129	1630	320	60	79
16	101	e84	80	71	74	86	89	135	1500	288	59	76
17	100	e87	78	74	77	90	89	140	1130	268	62	77
18	96	92	77	75	74	92	89	144	986	253	57	84
19	96	86	75	76	74	105	90	176	974	236	56	81
20	97	85	78	74	75	97	90	170	1120	216	58	80
21	98	86	80	76	74	94	85	192	1150	191	65	79
22	98	82	80	73	76	95	84	220	1120	172	65	84
23	97	82	76	e78	79	90	83	280	1070	160	64	84
24	95	83	77	e76	79	90	82	287	1120	141	74	82
25	91	83	77	75	79	84	79	285	1190	126	66	83
26	91	84	73	73	81	83	82	250	1190	115	63	84
27	92	82	75	71	81	82	79	220	1290	104	60	81
28	93	83	70	72	78	83	84	201	1300	96	64	82
29	93	89	76	71	---	82	94	200	1190	83	58	91
30	92	83	71	75	---	81	108	197	845	79	56	95
31	89	---	70	74	---	82	---	195	---	76	54	---
TOTAL	2989	2593	2421	2273	2148	2612	2691	5133	28527	12947	1893	2310
MEAN	96.4	86.4	78.1	73.3	76.7	84.3	89.7	166	951	418	61.1	77.0
MAX	131	95	89	78	86	109	108	287	1630	927	74	95
MIN	80	82	70	67	64	68	79	105	219	76	54	55
AC-FT	5930	5140	4800	4510	4260	5180	5340	10180	56580	25680	3750	4580

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1995, BY WATER YEAR (WY)

MEAN	116	119	107	95.6	92.9	99.5	154	491	622	202	108	106
MAX	230	180	151	147	124	153	348	1165	1657	690	216	233
(WY)	1983	1983	1984	1966	1986	1986	1943	1952	1921	1975	1983	1927
MIN	37.5	57.6	67.0	59.5	53.2	53.8	53.9	63.9	54.7	40.3	44.1	48.7
(WY)	1935	1935	1993	1935	1935	1935	1977	1992	1992	1994	1977	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1919 - 1995	
ANNUAL TOTAL	26710		68537			
ANNUAL MEAN	73.2		188		193	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	158	May 14	1630	Jun 15	2490	Jun 13 1921
LOWEST DAILY MEAN	32	Jul 12	54	Aug 9	21	Jun 5 1992
ANNUAL SEVEN-DAY MINIMUM	35	Jul 10	58	Aug 4	30	May 31 1992
ANNUAL RUNOFF (AC-FT)	52980		135900		139800	
10 PERCENT EXCEEDS	97		593		399	
50 PERCENT EXCEEDS	71		84		110	
90 PERCENT EXCEEDS	46		68		73	

e Estimated

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°29'36", long 110°34'39", in $SE^1/_4NW^1/_4SW^1/_4$ sec. 9, T. 1 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on right bank at Lower Stillwater damsite "B", 0.1 mi upstream from Corral Creek, 6.8 mi downstream from South Fork, and 11.9 mi northwest of Mountain Home.

DRAINAGE AREA.--147 mi^2.

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

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

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

REMARKS.--Records poor. Flow partially regulated by Upper Stillwater Reservoir 8 mi upstream, beginning Nov. 3, 1987. Total capacity, 32,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,920 $ft^3/_s$ June 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft June 4, 1986, from floodmarks; minimum recorded, 7.0 $ft^3/_s$ Mar. 13, 1940, Mar. 20, 1942 (probably caused by ice jams above station).

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 1,310 $ft^3/_s$ July 8, gage height, 4.94 ft; minimum recorded daily discharge, 29 $ft^3/_s$, Dec. 31.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	42	44	41	39	42	39	47	50	69	77	47
2	37	37	41	41	38	43	39	46	48	77	77	46
3	38	38	e42	42	41	44	40	45	49	76	76	48
4	39	38	42	42	42	45	40	45	49	77	76	46
5	37	37	e41	42	41	45	39	45	48	76	74	45
6	39	39	42	44	42	45	39	45	49	74	74	45
7	40	40	e42	e42	43	45	39	45	48	76	75	47
8	42	39	41	41	45	44	39	47	48	77	75	45
9	46	39	41	41	44	43	40	47	48	76	83	46
10	45	39	41	40	43	42	43	47	48	75	79	44
11	47	40	42	39	e41	42	41	47	47	74	77	44
12	48	41	e41	40	e39	44	40	48	50	74	77	47
13	45	43	e40	40	e40	45	40	49	64	75	83	49
14	47	42	40	40	e41	46	38	49	64	76	80	48
15	48	41	42	41	e42	46	39	50	64	77	74	44
16	46	41	42	41	42	47	39	50	63	77	59	43
17	49	42	41	e40	42	46	39	51	49	76	56	43
18	67	42	38	40	45	45	39	50	64	77	58	43
19	53	e41	37	40	43	46	39	49	67	77	66	43
20	47	41	36	40	e43	46	39	49	66	76	53	44
21	43	43	38	e38	44	45	39	49	66	77	51	44
22	42	e44	38	e39	e42	45	40	49	65	77	49	42
23	42	e42	40	e40	e41	e44	40	49	63	78	47	42
24	43	e41	39	40	43	43	39	48	64	78	46	41
25	43	e40	42	40	44	42	39	48	64	77	46	40
26	42	39	42	40	43	42	39	48	64	76	47	39
27	41	42	43	40	42	41	43	48	63	77	47	39
28	41	43	42	e39	41	40	43	49	64	76	48	40
29	41	45	e41	e41	---	40	43	48	67	77	48	43
30	41	44	41	41	---	39	46	48	66	76	48	51
31	42	---	41	e40	---	41	---	51	---	77	47	---
TOTAL	1359	1225	1263	1255	1176	1353	1201	1486	1729	2358	1973	1328
MEAN	43.8	40.8	40.7	40.5	42.0	43.6	40.0	47.9	57.6	76.1	63.6	44.3
MAX	67	45	44	44	45	47	46	51	67	78	83	51
MIN	37	37	36	38	38	39	38	45	47	69	46	39
AC-FT	2700	2430	2510	2490	2330	2680	2380	2950	3430	4680	3910	2630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

MEAN	41.9	38.7	35.6	33.0	34.3	37.0	42.1	84.1	126	126	66.0	44.9
MAX	69.1	51.1	40.7	40.5	42.0	44.1	53.6	184	283	494	150	55.8
(WY)	1988	1988	1994	1994	1994	1989	1989	1988	1993	1988	1988	1990
MIN	32.0	30.2	29.5	27.3	29.0	29.9	34.9	41.3	43.7	44.0	41.8	38.4
(WY)	1990	1990	1991	1991	1988	1988	1992	1992	1992	1991	1991	1993

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1988 - 1994	
ANNUAL TOTAL	27767		17706			
ANNUAL MEAN	76.1		48.5		59.3	
HIGHEST ANNUAL MEAN					108	1988
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	564	Jun 16	83	Aug 9	834	Jun 11 1990
LOWEST DAILY MEAN	31	Jan 31	36	Dec 20	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	32	Feb 6	38	Dec 18	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	55080		35120		42930	
10 PERCENT EXCEEDS	162		75		71	
50 PERCENT EXCEEDS	42		43		41	
90 PERCENT EXCEEDS	35		39		30	

e Estimated

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	41	37	30	36	37	34	36	70	987	68	54
2	43	39	36	34	36	36	33	47	206	887	69	56
3	54	39	36	34	36	36	33	43	355	1180	67	58
4	55	38	36	34	35	37	32	42	354	928	67	56
5	50	37	37	36	35	37	32	42	369	757	65	55
6	48	38	36	36	35	37	32	43	389	877	64	56
7	45	38	36	35	35	36	33	43	416	1060	62	56
8	44	37	36	35	34	35	33	40	423	1080	61	57
9	43	37	32	35	34	34	32	41	402	900	60	56
10	43	37	34	35	34	34	33	42	338	963	63	55
11	43	37	36	36	34	51	33	44	301	1010	65	54
12	43	39	35	38	35	48	33	45	352	1030	62	53
13	42	37	37	35	35	40	35	42	481	886	59	53
14	42	38	35	35	33	40	35	46	497	671	58	52
15	46	37	36	36	49	41	34	44	519	585	58	52
16	47	37	36	37	36	41	34	43	546	510	58	51
17	46	40	36	37	36	42	34	43	564	462	59	52
18	45	39	36	33	35	41	33	42	576	508	e59	53
19	43	37	35	36	34	43	35	42	567	462	e59	52
20	43	37	35	34	34	39	34	43	577	365	59	51
21	42	36	35	33	35	38	33	43	585	305	60	52
22	41	33	36	30	36	38	33	44	596	252	61	52
23	41	34	35	31	36	36	34	47	605	215	61	51
24	41	36	36	35	37	44	33	159	604	176	61	51
25	40	37	36	36	37	47	33	91	617	157	58	52
26	39	37	36	36	38	42	33	54	620	122	57	52
27	40	46	36	35	38	36	34	49	623	115	56	52
28	39	35	36	35	37	35	34	47	668	89	56	53
29	40	35	36	33	---	34	35	48	649	74	55	54
30	39	37	34	35	---	35	37	48	840	72	55	52
31	40	---	29	36	---	35	---	50	---	71	54	---
TOTAL	1353	1125	1098	1076	1005	1205	1006	1533	14709	17756	1876	1603
MEAN	43.6	37.5	35.4	34.7	35.9	38.9	33.5	49.5	490	573	60.5	53.4
MAX	55	46	37	38	49	51	37	159	840	1180	69	58
MIN	39	33	29	30	33	34	32	36	70	71	54	51
AC-FT	2680	2230	2180	2130	1990	2390	2000	3040	29180	35220	3720	3180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	42.1	38.5	35.6	33.2	34.5	37.2	41.0	79.7	172	181	65.3	46.0
MAX	69.1	51.1	40.7	40.5	42.0	44.1	53.6	184	490	573	150	55.8
(WY)	1988	1988	1994	1994	1994	1989	1989	1988	1995	1995	1988	1990
MIN	32.0	30.2	29.5	27.3	29.0	29.9	33.5	41.3	43.7	44.0	41.8	38.4
(WY)	1990	1990	1991	1991	1988	1988	1995	1992	1992	1991	1991	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	17435		45345			
ANNUAL MEAN	47.8		124		67.4	
HIGHEST ANNUAL MEAN					124	1995
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	83	Aug 9	1180	Jul 3	1180	Jul 3 1995
LOWEST DAILY MEAN	29	Dec 31	29	Dec 31	22	Dec 1 1991
ANNUAL SEVEN-DAY MINIMUM	35	Dec 25	32	Apr 3	26	Dec 30 1987
ANNUAL RUNOFF (AC-FT)	34580		89940		48810	
10 PERCENT EXCEEDS	75		462		72	
50 PERCENT EXCEEDS	43		41		41	
90 PERCENT EXCEEDS	37		34		31	

e Estimated

09279100 ROCK CREEK NEAR TALMAGE, UT

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

DRAINAGE AREA.--238 mi^2.

PERIOD OF RECORD.--October 1963 to September 1994 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 6,119.3 ft above sea level.

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

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

EXTREMES FOR CURRENT YEAR.--Recorded 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)
Aug. 14	0058	*112	*1.66				

Minimum recorded daily discharge, 40 ft^3/s, Dec. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	46	e48	e44	e46	e51	47	58	63	70	82	51
2	42	43	e45	e47	e43	e51	46	57	56	81	83	50
3	43	42	e45	e46	e46	e56	47	54	54	82	81	51
4	44	42	e46	e46	e49	e56	47	53	54	82	79	49
5	43	43	e45	e47	e47	e56	46	53	53	83	77	47
6	45	e43	e46	e47	e49	56	46	54	52	80	76	47
7	48	e45	e46	e46	e50	53	46	53	52	82	78	50
8	48	e44	e46	e45	e51	53	46	54	52	83	81	49
9	53	e43	e46	e46	e52	53	48	54	52	82	93	49
10	51	e43	e46	e43	e50	52	53	55	51	80	89	48
11	52	e43	e45	e42	e48	50	50	55	51	79	84	48
12	54	44	e44	e46	e47	52	48	56	50	78	82	55
13	51	e44	e43	e48	e48	53	47	58	66	79	84	56
14	53	45	e42	e50	e50	54	46	57	70	81	93	55
15	52	e45	e44	e48	e52	54	45	58	71	81	83	51
16	54	e45	e46	e48	e52	55	46	58	70	82	65	49
17	55	e47	e44	e48	e52	54	46	58	58	82	61	49
18	66	e47	e43	e50	e52	53	46	58	66	81	60	49
19	64	e45	e42	e48	e52	53	46	56	73	81	77	48
20	53	e45	e40	e48	e52	53	47	56	75	79	58	52
21	48	e46	e42	e47	e52	51	48	56	74	81	55	52
22	48	e47	e43	e49	e50	52	47	54	76	81	51	49
23	48	e47	e44	e51	e48	51	49	54	72	83	50	49
24	47	e45	e43	e52	e50	50	47	55	72	82	48	48
25	47	e43	e45	e52	e52	50	48	55	71	84	48	47
26	47	e43	e45	e50	e51	48	49	55	70	81	48	47
27	46	e46	e45	e50	e52	47	56	56	70	81	49	46
28	46	e47	e45	e48	e52	47	56	60	71	82	50	47
29	47	e48	e44	e50	---	47	55	56	71	82	51	51
30	e46	e48	e44	e50	---	45	55	53	70	79	51	61
31	e46	---	e45	e48	---	47	---	57	---	83	50	---
TOTAL	1529	1344	1377	1480	1395	1603	1449	1726	1906	2507	2117	1500
MEAN	49.3	44.8	44.4	47.7	49.8	51.7	48.3	55.7	63.5	80.9	68.3	50.0
MAX	66	48	48	52	52	56	56	60	76	84	93	61
MIN	42	42	40	42	43	45	45	53	50	70	48	46
AC-FT	3030	2670	2730	2940	2770	3180	2870	3420	3780	4970	4200	2980

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

MEAN	45.8	44.3	41.9	41.2	41.9	45.2	49.1	87.4	122	117	64.3	47.0
MAX	67.4	62.6	50.8	47.7	49.8	51.7	54.4	172	275	427	129	52.3
(WY)	1988	1988	1988	1994	1994	1994	1989	1988	1993	1988	1988	1990
MIN	37.2	36.5	35.1	32.5	37.6	37.9	41.2	48.6	51.0	47.4	46.0	41.4
(WY)	1991	1990	1991	1991	1991	1988	1991	1991	1992	1989	1991	1992

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1988 - 1994	
ANNUAL TOTAL	29224		19933			
ANNUAL MEAN	80.1		54.6		62.4	
HIGHEST ANNUAL MEAN					104	1988
LOWEST ANNUAL MEAN					47.3	1991
HIGHEST DAILY MEAN	548	Jun 17	93	Aug 9	782	Jun 12 1990
LOWEST DAILY MEAN	28	Feb 26	40	Dec 20	28	Feb 26 1993
ANNUAL SEVEN-DAY MINIMUM	34	Feb 23	42	Dec 18	32	Jan 14 1991
ANNUAL RUNOFF (AC-FT)	57970		39540		45220	
10 PERCENT EXCEEDS	159		79		70	
50 PERCENT EXCEEDS	48		50		46	
90 PERCENT EXCEEDS	42		45		37	

e Estimated

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

LOCATION.--Lat 40°16'14", long 110°26'31", in NE$^1/_4$NW$^1/_4$NW$^1/_4$ sec. 34, T. 2 S., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at downstream edge of bridge on State Highway 35, 1.7 mi up-stream from Knight diversion dam, 3.9 mi downstream from Rock Creek, and 7.7 mi north-northwest of Duchesne.

DRAINAGE AREA.--623 mi^2.

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,970 ft$^3/_s$ June 6, 1986, gage height, 7.52 ft, from flood-marks; minimum, 37 ft$^3/_s$ Jan. 31, 1980.

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

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
June 15	1100	2,500	7.00	July 8	0800	*2,650	*7.10

Minimum daily discharge, 78 ft$^3/_s$ Aug. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	152	147	107	138	133	136	157	271	1700	130	81
2	114	152	145	114	143	134	134	206	436	1600	123	93
3	168	152	144	118	136	129	138	197	742	2060	114	101
4	225	147	141	122	133	132	141	178	858	1900	113	98
5	210	148	143	141	134	127	150	176	848	1400	108	99
6	203	149	143	148	134	125	152	183	1050	1870	103	97
7	188	150	138	142	133	116	150	181	1020	2170	103	98
8	168	151	117	142	133	123	149	172	982	2250	103	107
9	164	151	107	145	133	130	152	166	883	1870	100	106
10	164	151	117	145	130	131	147	177	724	1910	99	112
11	164	151	133	147	126	143	146	197	700	1930	141	107
12	162	156	130	131	125	187	145	209	837	1620	104	104
13	161	152	144	142	128	155	147	188	1560	1420	98	106
14	161	134	136	142	130	149	152	188	1940	1090	102	113
15	173	138	134	143	99	153	153	188	2190	924	104	126
16	197	152	137	136	123	155	154	187	2110	792	99	123
17	189	142	142	131	132	162	154	189	1440	700	101	122
18	183	153	139	132	131	162	154	191	1280	727	95	127
19	180	151	141	134	128	176	161	218	1180	700	93	122
20	177	145	136	122	130	164	157	212	1480	589	99	117
21	181	149	139	120	131	159	145	234	1570	491	110	115
22	178	134	140	107	134	159	146	261	1570	425	114	124
23	178	128	137	110	137	150	142	329	1500	371	104	126
24	180	140	143	130	140	145	140	441	1620	328	104	126
25	181	157	145	142	139	136	137	448	1860	284	95	125
26	179	149	142	140	140	141	138	346	1830	234	87	132
27	178	133	142	136	139	141	134	295	1900	214	88	134
28	160	138	132	131	134	138	138	277	1960	178	89	135
29	143	126	139	135	---	132	145	270	1890	148	86	150
30	147	152	127	134	---	132	168	264	1590	138	81	150
31	145	---	117	141	---	134	---	256	---	135	78	---
TOTAL	5301	4383	4217	4110	3693	4453	4405	7181	39821	32168	3168	3476
MEAN	171	146	136	133	132	144	147	232	1327	1038	102	116
MAX	225	157	147	148	143	187	168	448	2190	2250	141	150
MIN	100	126	107	107	99	116	134	157	271	135	78	81
AC-FT	10510	8690	8360	8150	7330	8830	8740	14240	78980	63810	6280	6890

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	195	192	164	153	148	160	211	656	1145	443	188	164
MAX	430	308	238	209	198	235	464	1525	2929	1447	443	350
(WY)	1983	1983	1984	1984	1986	1986	1985	1984	1986	1975	1983	1983
MIN	100	124	107	117	115	103	86.3	106	94.0	94.7	93.3	77.6
(WY)	1978	1978	1991	1978	1977	1977	1977	1990	1992	1994	1977	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	45350		116376			
ANNUAL MEAN	124		319		318	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					118	1992
HIGHEST DAILY MEAN	225	Oct 4	2250	Jul 8	4700	Jun 6 1986
LOWEST DAILY MEAN	54	Sep 28	78	Aug 31	54	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	60	Sep 23	84	Aug 26	60	Sep 23 1994
ANNUAL RUNOFF (AC-FT)	89950		230800		230500	
10 PERCENT EXCEEDS	156		899		613	
50 PERCENT EXCEEDS	128		144		169	
90 PERCENT EXCEEDS	88		107		111	

09286100 RED CREEK ABOVE RESERVOIR, NEAR FRUITLAND, UT

LOCATION.--Lat 40°19'48", long 110°51'43", in $SW^1/_4SE^1/_4SE^1/_4$, sec. 2, T. 2 S., R. 9 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 2 mi above Red Creek Dam and 9.2 mi north of Fruitland.

DRAINAGE AREA.--31.4 mi^2.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 140 ft^3/s, June 3, gage height, 3.02 ft; minimum daily discharge, 0.64 ft^3/s, Oct. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	e1.4	e2.1	e2.0	e2.2	e3.6	3.5	12	45	24	5.2	2.1
2	1.3	1.4	e2.2	e1.8	e2.4	e3.6	3.4	14	58	22	5.1	2.4
3	3.5	1.4	e2.2	e2.0	e2.2	e3.6	3.5	13	83	26	4.9	3.0
4	3.7	e1.4	e2.2	e2.1	e2.2	e3.7	3.8	11	91	21	4.8	3.0
5	3.5	e1.4	e2.2	e2.3	e2.1	e3.8	5.1	13	77	19	4.6	3.5
6	3.1	1.4	e2.1	e2.4	e2.3	e3.9	7.3	13	89	18	4.1	3.1
7	2.2	1.5	e2.0	e2.5	e2.5	e4.0	8.6	12	61	17	3.8	2.8
8	1.7	1.5	e2.0	e2.6	e2.6	e4.2	8.9	11	62	16	3.7	2.8
9	1.5	e1.5	e2.0	e2.7	e2.6	e4.3	8.3	14	50	15	3.5	2.8
10	1.4	e1.5	e1.9	e2.8	e2.6	e4.5	7.9	23	44	16	4.0	2.8
11	1.4	1.5	e1.8	e2.6	e2.5	e4.6	7.0	22	53	15	4.7	2.6
12	1.3	e1.5	e1.9	e2.4	e2.4	e4.7	6.1	25	62	16	4.3	2.5
13	1.3	e1.4	e1.9	e2.6	e2.2	e4.7	5.4	16	69	15	4.1	2.6
14	1.5	e1.4	e1.9	e2.8	e2.0	e4.8	5.3	18	68	13	3.9	2.8
15	1.0	e1.4	e2.0	e2.6	e1.9	5.0	5.7	19	68	13	3.4	2.9
16	.86	e1.7	e2.1	e2.4	e2.1	4.9	5.8	33	53	12	3.1	3.0
17	.82	e1.6	e2.1	e2.3	e2.2	5.2	5.9	33	41	11	4.5	3.4
18	.70	e1.6	e2.1	e2.1	e2.4	5.4	5.7	31	43	12	3.3	3.5
19	.65	e1.5	e2.2	e1.9	e2.6	6.3	6.0	39	39	11	3.0	4.3
20	.64	e1.5	e2.1	e1.8	e2.8	6.4	5.8	44	41	10	2.8	4.3
21	1.1	e1.6	e2.0	e1.6	e3.0	5.7	5.7	55	40	9.0	3.2	4.4
22	e1.3	e1.7	e2.1	e1.5	e3.1	5.4	5.6	64	37	8.5	3.2	5.0
23	1.5	e1.8	e2.2	e1.6	e3.2	4.7	5.5	65	34	8.0	3.4	5.5
24	1.4	e1.9	e2.2	e1.7	e3.4	4.5	5.3	47	33	7.6	3.5	6.5
25	1.4	e2.1	e2.3	e1.8	e3.5	4.7	5.3	38	33	7.1	3.0	7.2
26	1.4	e2.0	e2.4	e1.8	e3.5	4.8	5.2	32	31	6.6	2.7	7.3
27	1.4	e1.8	e2.2	e1.7	e3.6	4.5	5.3	29	29	6.2	2.6	8.1
28	e1.4	e1.9	e2.2	e1.6	e3.7	3.8	5.5	28	28	5.8	2.5	8.7
29	e1.4	e2.0	e2.3	e1.7	---	4.2	6.2	26	27	5.6	2.4	9.7
30	1.4	e2.1	e2.2	e1.8	---	4.1	7.6	25	25	5.2	2.3	9.7
31	e1.4	---	e2.1	e2.0	---	3.6	---	33	---	5.2	2.1	---
TOTAL	49.07	48.4	65.2	65.5	73.8	141.2	176.2	858	1514	396.8	111.7	132.3
MEAN	1.58	1.61	2.10	2.11	2.64	4.55	5.87	27.7	50.5	12.8	3.60	4.41
MAX	3.7	2.1	2.4	2.8	3.7	6.4	8.9	65	91	26	5.2	9.7
MIN	.64	1.4	1.8	1.5	1.9	3.6	3.4	11	25	5.2	2.1	2.1
AC-FT	97	96	129	130	146	280	349	1700	3000	787	222	262

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1995, BY WATER YEAR (WY)

MEAN	1.94	2.21	2.13	1.98	2.32	3.89	8.12	14.6	11.2	3.08	1.40	1.51
MAX	4.29	4.00	3.50	2.59	3.30	6.83	15.0	36.5	50.5	12.8	3.60	4.41
(WY)	1987	1987	1987	1990	1991	1989	1987	1993	1995	1995	1995	1995
MIN	1.28	1.39	1.30	1.17	1.30	2.97	4.53	4.43	1.77	.55	.35	.62
(WY)	1993	1989	1993	1989	1993	1993	1992	1992	1992	1994	1992	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1987 - 1995	
ANNUAL TOTAL	1002.47		3632.17			
ANNUAL MEAN	2.75		9.95		4.53	
HIGHEST ANNUAL MEAN					9.95	1995
LOWEST ANNUAL MEAN					2.08	1992
HIGHEST DAILY MEAN	16	May 7	91	Jun 4	91	Jun 4 1995
LOWEST DAILY MEAN	.22	Aug 7	.64	Oct 20	.12	Aug 4 1992
ANNUAL SEVEN-DAY MINIMUM	.30	Jul 15	.82	Oct 15	.16	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	1990		7200		3280	
10 PERCENT EXCEEDS	6.0		31		9.5	
50 PERCENT EXCEEDS	2.2		3.5		2.3	
90 PERCENT EXCEEDS	.44		1.5		.97	

e Estimated

09288000 CURRANT CREEK NEAR FRUITLAND, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 21, T. 3 S., R. 9 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 30 ft downstream from Deep Creek, 150 ft upstream from bridge on U.S. Highway 40 and 3.5 mi southwest of Fruitland.

DRAINAGE AREA.--140 mi^2.

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

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

REMARKS.--No estimated daily discharges. Records good. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to StrawberryReservoir, from which it is diverted through Strawberry Tunnel to the Great Basin for irrigation in Strawberry Valley project. Beginning in 1962, Deep Creek was diverted intermittently into private fish ponds and entered Currant Creek 400 ft below gage. However, since approximately 1976 when the upstream pond washed out Deep Creek has been entering Currant Creek 30 ft above gage. Flow partially regulated by Currant Creek Reservoir 15 miles upstream, beginning Oct. 4, 1982. Total capacity, 15,670 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,260 ft$^3/_s$ May 4, 1952, gage height, 2.72 ft, site and datum then in use; maximum gage height, 5.92 ft, Jan. 27, 1974, backwater from ice; minimum recorded, 3.6 ft$^3/_s$ Aug. 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 224 ft$^3/_s$ June 4, gage height 2.38 ft; minimum daily discharge, 18 ft$^3/_s$ Jan. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	28	28	18	35	32	31	50	73	50	39	34
2	34	28	28	22	33	31	31	64	83	48	38	33
3	43	28	31	23	31	32	33	56	177	56	37	31
4	35	27	30	25	31	32	44	53	177	52	37	34
5	32	28	30	27	31	32	46	51	76	49	36	38
6	30	28	29	27	31	30	46	53	69	48	34	35
7	27	28	27	27	31	28	46	53	63	47	35	35
8	26	28	23	26	31	30	47	50	66	46	36	36
9	26	27	19	25	31	32	46	49	62	48	36	36
10	25	28	24	26	30	32	45	52	59	50	37	36
11	25	29	29	25	31	35	45	57	59	50	38	34
12	25	32	28	24	30	37	45	58	58	50	37	33
13	25	30	31	28	30	34	45	54	58	49	38	32
14	25	25	28	27	29	34	46	56	59	48	39	32
15	26	29	27	27	22	36	46	54	131	47	38	31
16	27	30	28	23	28	36	46	56	136	45	40	30
17	27	29	27	22	31	37	46	57	73	42	40	32
18	27	30	27	26	32	38	46	59	69	44	38	34
19	27	28	27	29	31	44	50	63	59	46	38	34
20	27	31	27	26	31	39	49	66	55	46	37	33
21	27	28	25	24	31	38	49	70	55	48	38	33
22	27	25	26	23	31	39	47	73	53	48	38	35
23	27	23	27	24	31	36	46	87	50	45	38	35
24	27	29	28	31	32	35	46	90	50	44	38	34
25	27	32	27	33	32	34	46	94	50	42	36	35
26	27	29	25	32	33	32	45	82	49	43	36	36
27	26	27	24	30	33	32	44	76	47	43	35	37
28	27	28	25	26	33	32	44	73	44	41	35	37
29	27	27	27	25	---	31	47	73	45	39	35	38
30	27	30	20	30	---	31	54	68	48	38	33	38
31	28	---	20	34	---	31	---	69	---	40	33	---
TOTAL	869	849	822	815	866	1052	1347	1966	2153	1432	1143	1031
MEAN	28.0	28.3	26.5	26.3	30.9	33.9	44.9	63.4	71.8	46.2	36.9	34.4
MAX	43	32	31	34	35	44	54	94	177	56	40	38
MIN	25	23	19	18	22	28	31	49	44	38	33	30
AC-FT	1720	1680	1630	1620	1720	2090	2670	3900	4270	2840	2270	2040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1995, BY WATER YEAR (WY)

MEAN	30.4	30.3	28.7	29.2	31.2	35.4	45.6	52.5	46.3	34.9	32.1	32.6
MAX	47.2	44.0	39.4	38.3	45.4	60.7	84.2	117	91.5	56.3	44.5	45.7
(WY)	1987	1987	1986	1987	1986	1986	1986	1986	1986	1986	1986	1986
MIN	25.7	24.9	22.7	23.2	24.3	26.9	31.6	27.5	25.4	25.8	24.6	24.6
(WY)	1989	1991	1992	1992	1989	1992	1992	1992	1992	1992	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1986 - 1995	
ANNUAL TOTAL	11099		14345			
ANNUAL MEAN	30.4		39.3		35.7	
HIGHEST ANNUAL MEAN					58.5	1986
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	43	Oct 3	177	Jun 3	177	Jun 3 1995
LOWEST DAILY MEAN	19	Dec 9	18	Jan 1	12	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	24	Dec 25	22	Dec 28	19	Dec 20 1990
ANNUAL RUNOFF (AC-FT)	22010		28450		25900	
10 PERCENT EXCEEDS	39		57		48	
50 PERCENT EXCEEDS	29		34		32	
90 PERCENT EXCEEDS	26		26		25	

09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT

LOCATION.--Lat 40°09'17", long 110°33'15", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 3, T. 4 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on right bank 150 ft downstream from County Road bridge, 2,000 ft upstream from maximum high-water line of Starvation Reservoir, and 7.9 mi west of Duchesne.

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 790 ft^3/s June 5, gage height 7.25 ft; minimum daily discharge, 55 ft^3/s Nov. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	80	e76	e68	e85	83	92	182	446	252	101	e101
2	99	80	e80	e67	e96	81	92	258	521	234	97	e105
3	113	81	e86	e67	e90	79	91	278	647	268	126	e107
4	125	80	e94	e67	90	81	96	303	748	259	e120	e103
5	104	83	e90	e68	87	80	105	313	676	229	e115	e108
6	113	83	e83	e73	88	79	107	323	656	206	e113	e102
7	94	82	e76	e76	88	74	110	329	672	173	e111	e99
8	87	82	e72	e80	87	72	110	329	630	175	e107	e104
9	85	81	e68	e86	84	76	112	314	547	176	e104	e102
10	84	82	e72	e92	83	76	114	326	491	176	e102	e107
11	82	80	e76	e88	e80	80	111	357	430	174	e108	e104
12	82	84	e80	e86	e79	93	111	389	407	162	e100	e102
13	82	82	e80	e90	e79	85	104	e360	437	159	e100	e102
14	82	e73	e78	e95	79	83	102	e320	e510	144	e100	e103
15	84	e68	e75	e86	e78	84	101	e285	e620	134	e100	e105
16	92	e70	e79	e81	e80	85	108	e280	e610	131	e104	e102
17	96	e68	e78	e76	81	88	119	e290	e580	128	e105	e99
18	92	e70	e76	e75	e81	89	118	e310	e540	127	e104	e101
19	88	e74	e79	e70	81	106	125	320	e500	135	e102	e104
20	86	e65	e77	e67	86	112	130	356	e460	131	e98	e102
21	86	e56	e70	e68	87	109	132	406	e420	113	e96	e98
22	85	e55	e74	e70	84	111	136	472	e390	106	e98	e93
23	86	e58	e77	e76	85	106	143	536	e360	111	e101	e96
24	86	e63	e80	e82	84	102	138	583	e340	114	e104	e93
25	85	e68	e86	e87	83	98	135	613	e320	119	e109	e97
26	83	e65	e90	e80	83	97	136	544	e300	129	e110	e99
27	82	e63	e82	e74	84	95	133	505	e290	140	e110	e99
28	82	e67	e86	e70	84	95	139	480	267	132	e108	e105
29	81	e65	e78	e73	---	95	148	463	252	110	e106	e107
30	81	e70	e74	e75	---	92	182	443	243	112	e105	e110
31	80	---	e70	e78	---	92	---	424	---	111	e102	---
TOTAL	2804	2178	2442	2391	2356	2778	3580	11691	14310	4870	3266	3059
MEAN	90.5	72.6	78.8	77.1	84.1	89.6	119	377	477	157	105	102
MAX	125	84	94	95	96	112	182	613	748	268	126	110
MIN	80	55	68	67	78	72	91	182	243	106	96	93
AC-FT	5560	4320	4840	4740	4670	5510	7100	23190	28380	9660	6480	6070

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

MEAN	128	101	107	108	116	116	166	313	234	141	121	121
MAX	378	243	372	362	336	238	360	1031	777	494	401	371
(WY)	1984	1984	1984	1984	1984	1984	1986	1984	1984	1984	1984	1984
MIN	72.5	71.0	59.1	56.6	64.0	72.5	81.9	85.5	74.2	66.7	68.5	76.5
(WY)	1992	1990	1993	1993	1993	1994	1992	1992	1992	1994	1994	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1984 - 1995	
ANNUAL TOTAL	29123		55725			
ANNUAL MEAN	79.8		153		148	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					76.9	1992
HIGHEST DAILY MEAN	125	Oct 4	748	Jun 4	1640	May 16 1984
LOWEST DAILY MEAN	55	Nov 22	55	Nov 22	35	Dec 22 1990
ANNUAL SEVEN-DAY MINIMUM	61	Nov 21	61	Nov 21	51	Jan 4 1993
ANNUAL RUNOFF (AC-FT)	57770		110500		107100	
10 PERCENT EXCEEDS	99		358		329	
50 PERCENT EXCEEDS	76		98		97	
90 PERCENT EXCEEDS	67		74		70	

e Estimated

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

LOCATION.--Lat 40°36'24", long 110°31'35", in $SW^1/_4SE^1/_4SE^1/_4$ sec. 35, T. 3 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft upstream from head of Moon Lake at maximum stage, 2 mi upstream from Brown Duck Creek, 16 mi northeast of Mountain Home.

DRAINAGE AREA.--77.9 mi^2.

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,700 $ft^3/_s$ June 26, 1944, gage height, 5.27 ft, datum then in use, from rating curve extended above 700 $ft^3/_s$; minimum daily discharge, 12 $ft^3/_s$ Apr. 7, 8, 13-15, 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)
June 27	1900	*2,740	*6.44	No other peak greater than base discharge.			

Minimum daily discharge, 25 $ft^3/_s$, Feb. 15, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	e50	e40	e36	e33	e37	e33	39	234	961	226	115
2	54	e50	e41	e34	e31	e37	e34	40	306	923	212	122
3	66	e50	e42	e32	e27	e38	e34	40	317	1250	205	137
4	69	e50	e41	e33	e26	e38	e35	41	308	850	197	122
5	73	e49	e40	e35	e26	e37	e35	41	366	828	191	129
6	67	e49	e39	e35	e27	e35	e35	41	461	1120	186	119
7	65	e48	e38	e36	e28	e37	e36	39	393	1340	180	113
8	63	e48	e37	e37	e29	e39	e37	39	340	1190	178	110
9	63	49	e36	e37	e30	e40	e38	43	294	1140	172	102
10	65	48	e36	e36	e30	e41	e40	53	272	1280	175	99
11	68	47	e36	e35	e29	e42	e41	59	311	1400	194	92
12	68	49	e36	e37	e29	e42	e42	57	482	1370	176	86
13	67	46	e36	e39	e28	e40	44	53	764	1160	172	82
14	70	e45	e35	e37	e26	e39	48	51	991	948	162	79
15	72	e45	e34	e36	e25	e39	46	56	1490	845	149	76
16	72	e45	e31	e36	e25	e38	44	73	1270	755	143	73
17	71	e45	e29	e35	e26	e37	41	81	835	762	141	73
18	72	e44	e28	e34	e27	e36	39	84	650	779	129	73
19	67	e45	e29	e34	e27	e36	37	99	699	682	122	67
20	68	e45	e30	e33	e28	e35	36	125	949	590	122	58
21	68	e45	e32	e33	e28	e35	35	156	1230	516	132	56
22	67	e45	e33	e33	e29	e34	35	191	1420	437	131	55
23	66	e44	e34	e34	e29	e33	34	204	1630	399	139	54
24	64	e44	e36	e35	e30	e33	34	181	1700	371	134	52
25	63	e44	e38	e37	e31	e32	34	176	1900	342	117	51
26	63	e43	e39	e36	e32	e31	34	161	2020	316	109	52
27	62	e43	e38	e35	e34	e30	35	145	2120	292	104	51
28	61	e42	e37	e34	e37	e30	37	130	2010	277	100	51
29	58	e41	e35	e33	---	e31	38	131	1510	274	95	55
30	50	e41	e36	e34	---	e32	39	138	1110	273	94	53
31	e50	---	e37	e35	---	e33	---	173	---	248	115	---
TOTAL	2008	1379	1109	1086	807	1117	1130	2940	28382	23918	4702	2457
MEAN	64.8	46.0	35.8	35.0	28.8	36.0	37.7	94.8	946	772	152	81.9
MAX	73	50	42	39	37	42	48	204	2120	1400	226	137
MIN	50	41	28	32	25	30	33	39	234	248	94	51
AC-FT	3980	2740	2200	2150	1600	2220	2240	5830	56300	47440	9330	4870

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	51.9	39.0	30.9	26.5	24.3	24.7	41.1	247	528	223	96.5	66.6
MAX	142	80.1	61.3	40.1	39.5	46.5	89.5	578	946	772	212	137
(WY)	1983	1983	1983	1983	1988	1988	1969	1969	1995	1995	1965	1965
MIN	26.3	22.9	15.0	14.8	14.7	15.0	18.6	65.9	186	61.9	46.5	32.1
(WY)	1989	1980	1993	1993	1993	1977	1993	1977	1992	1994	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	31494		71035			
ANNUAL MEAN	86.3		195		117	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	699	May 25	2120	Jun 27	2120	Jun 27 1995
LOWEST DAILY MEAN	16	Jan 31	25	Feb 15	12	Feb 6 1989
ANNUAL SEVEN-DAY MINIMUM	18	Jan 28	26	Feb 13	13	Apr 10 1993
ANNUAL RUNOFF (AC-FT)	62470		140900		84610	
10 PERCENT EXCEEDS	211		663		296	
50 PERCENT EXCEEDS	48		49		43	
90 PERCENT EXCEEDS	21		32		22	

e Estimated

09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'43", long 110°29'21", in $NW^1/_4NE^1/_4NE^1/_4$ sec. 19, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, at dam on Lake Fork River, 1.4 mi downstream from Brown Duck Creek, 10.5 mi upstream from Yellowstone River, and 12.5 mi northwest of Mountain Home.

DRAINAGE AREA.--108 mi^2.

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 35,760 acre-ft July 6, elevation, 8,137.0 ft; minimum contents observed, 5,330 acre-ft June 1, elevation, 8,087.4 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31	--	*7,620	+3,810
Nov. 30	--	*10,470	+2,850
Dec. 31	--	*12,660	+2,190
CAL YR 1994	--	--	-6,360
Jan. 31	--	*14,730	+2,070
Feb. 28	--	*16,300	+1,570
Mar. 31	--	*18,400	+2,100
Apr. 30	--	*16,950	-1,450
May 31	--	*5,630	-11,320
June 30	--	*34,070	+28,440
July 31	--	*35,160	+1,070
Aug. 31	--	*31,450	-3,690
Sept. 30	--	*20,660	-10,790
WTR YR 1995	--	--	+16,850

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

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

LOCATION.--Lat 40°33'23", long 110°29'02", in $SW^1/_4SW^1/_4NW^1/_4$ sec. 20, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft downstream from Moon Lake Dam, 2 mi downstream from Brown Duck Creek, and 12 mi northwest of Mountain Home.

DRAINAGE AREA.--112 mi^2.

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,640 $ft^3/_s$ July 8, gage height, 4.78 ft; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e.00	.00	.00	.00	.00	423	261	1250	335	216
2	.00	.00	e.00	.00	.00	.00	.00	402	209	925	327	274
3	.00	.00	e.00	.00	.00	.00	.00	399	177	887	325	271
4	.00	.00	e.00	.00	.00	.00	.00	390	170	894	320	265
5	.00	.00	e.00	.00	.00	.00	.00	377	184	917	319	264
6	.00	.00	e.00	.00	.00	.00	.00	388	197	658	315	261
7	.00	.00	e.00	.00	.00	.00	.00	383	199	1140	234	261
8	.00	.00	e.00	.00	.00	.00	.00	379	200	1130	246	257
9	.00	.00	e.00	.00	.00	.00	.00	376	202	935	242	253
10	.00	.00	e.00	.00	.00	.00	.00	373	202	1140	229	255
11	.00	.00	e.00	.00	.00	.00	.00	370	202	1250	204	273
12	.00	.00	e.00	.00	.00	.00	.00	365	203	1240	203	301
13	.00	.00	e.00	.00	.00	.00	.00	361	206	1070	201	296
14	.00	.00	e.00	.00	.00	.00	.00	357	212	775	201	295
15	.00	.00	e.00	.00	.00	.00	.00	376	210	566	200	290
16	.00	e.00	.00	.00	.00	.00	.00	384	211	523	199	281
17	.00	e.00	.00	.00	.00	.00	27	379	203	633	197	286
18	.00	e.00	.00	.00	.00	.00	65	376	198	713	195	309
19	.00	e.00	.00	.00	.00	.00	65	371	199	704	194	314
20	.00	e.00	.00	.00	.00	.00	90	369	203	687	194	312
21	.00	e.00	.00	.00	.00	.00	105	363	218	585	137	311
22	.00	e.00	.00	.00	.00	.00	105	359	241	438	100	309
23	.00	e.00	.00	.00	.00	.00	110	340	249	320	102	314
24	.00	e.00	.00	.00	.00	.00	175	278	449	319	103	318
25	.00	e.00	.00	.00	.00	.00	193	170	635	391	102	317
26	.00	e.00	.00	.00	.00	.00	190	153	881	383	126	317
27	.00	e.00	.00	.00	.00	.00	189	167	1100	366	138	311
28	.00	e.00	.00	.00	.00	.00	193	168	1270	350	146	307
29	.00	e.00	.00	.00	---	.00	227	167	1430	345	178	304
30	.00	e.00	.00	.00	---	.00	282	195	1430	342	186	298
31	.00	---	.00	.00	---	.00	---	290	---	339	184	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	2016.00	10248	11951	22215	6382	8640
MEAN	.000	.000	.000	.000	.000	.000	67.2	331	398	717	206	288
MAX	.00	.00	.00	.00	.00	.00	282	423	1430	1250	335	318
MIN	.00	.00	.00	.00	.00	.00	.00	153	170	319	100	216
AC-FT	.00	.00	.00	.00	.00	.00	4000	20330	23700	44060	12660	17140

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	49.4	7.99	1.01	1.50	2.35	3.14	49.4	296	353	357	248	142
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	34470.00		61452.00			
ANNUAL MEAN	94.4		168		127	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					60.9	1977
HIGHEST DAILY MEAN	538	Jun 30	1430	Jun 29	2000	Jun 19 1949
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 15 1942
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 15 1942
ANNUAL RUNOFF (AC-FT)	68370		121900		91870	
10 PERCENT EXCEEDS	377		383		362	
50 PERCENT EXCEEDS	.00		.00		16	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT

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

DRAINAGE AREA.--132 mi^2.

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

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

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

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 28	2300	*2,070	*4.22				

Minimum recorded daily discharge, 47 ft^3/s Feb. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	62	e57	e48	e38	44	45	65	e290	128	81	82
2	75	58	e56	e47	e39	45	43	60	e285	126	82	83
3	74	61	e56	e46	e40	45	44	64	e290	126	81	91
4	74	59	e57	e45	e43	47	45	63	e300	124	79	89
5	74	e62	e55	e45	e43	46	45	68	e280	123	76	81
6	76	64	e57	e44	e43	47	44	84	e254	116	72	78
7	85	70	e55	e43	e44	48	44	104	e245	111	70	79
8	82	72	e54	e43	e45	49	43	e115	e194	119	70	77
9	82	73	53	e44	e46	49	46	120	e180	135	84	77
10	80	e72	53	e43	e46	50	48	e175	e175	136	99	76
11	81	e70	54	e42	e45	49	46	e210	e170	132	e95	75
12	e81	65	53	e41	e44	50	47	292	e171	129	88	82
13	81	66	e52	e41	e44	49	50	e270	e168	125	86	98
14	82	66	e51	e40	e46	50	51	e295	e160	117	94	110
15	81	63	e52	e40	e48	49	e53	e320	e151	112	91	101
16	78	70	e52	e41	e49	e49	e55	e310	e145	101	85	92
17	78	68	e52	e41	e51	e46	e58	270	e136	98	83	87
18	84	67	e51	e42	e50	e45	e61	190	s135	96	81	84
19	78	66	e52	e43	e49	e45	e65	e172	e133	93	178	84
20	77	e64	e54	e44	e47	e44	68	e180	e134	91	129	84
21	75	e61	e53	e43	e45	e44	74	e155	e144	89	117	83
22	75	59	e52	e42	e44	e43	80	e200	167	87	105	79
23	72	58	e52	e42	e58	e42	92	e250	146	88	97	77
24	70	e56	e51	e39	e67	e41	90	e280	133	87	92	76
25	69	e54	e51	e38	53	43	83	e305	125	92	88	74
26	66	e52	e50	e40	44	42	80	e330	119	90	86	73
27	64	e53	e49	e39	43	42	e78	e317	114	85	84	72
28	67	e54	e50	e38	45	43	73	e300	110	e82	85	71
29	64	e55	e51	e37	---	42	69	e308	108	e80	86	74
30	61	e56	e50	e36	---	42	62	e320	130	78	85	90
31	62	---	e48	e35	---	44	---	333	---	79	82	---
TOTAL	2323	1876	1633	1292	1299	1414	1782	6525	5292	3275	2811	2479
MEAN	74.9	62.5	52.7	41.7	46.4	45.6	59.4	210	176	106	90.7	82.6
MAX	85	73	57	48	67	50	92	333	300	136	178	110
MIN	61	52	48	35	38	41	43	60	108	78	70	71
AC-FT	4610	3720	3240	2560	2580	2800	3530	12940	10500	6500	5580	4920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1994, BY WATER YEAR (WY)

MEAN	88.9	69.4	58.1	49.9	47.3	47.6	63.5	245	479	231	148	115
MAX	213	122	95.6	72.0	62.5	78.8	127	599	1011	744	366	219
(WY)	1983	1983	1983	1984	1983	1986	1969	1969	1983	1965	1965	1965
MIN	53.0	43.8	36.0	26.5	29.9	31.0	41.1	72.0	161	101	75.7	60.5
(WY)	1993	1990	1993	1979	1977	1977	1970	1977	1954	1961	1992	1992

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1945 - 1994	
ANNUAL TOTAL	49594		32001			
ANNUAL MEAN	136		87.7		137	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	742	May 26	333	May 31	1800	Jun 19 1983
LOWEST DAILY MEAN	29	Jan 5	35	Jan 31	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	34	Jan 24	37	Jan 27	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	98370		63470		99270	
10 PERCENT EXCEEDS	387		163		306	
50 PERCENT EXCEEDS	64		70		74	
90 PERCENT EXCEEDS	41		43		44	

e Estimated

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	83	e62	e52	e54	52	52	63	207	950	e250	161
2	88	82	e64	e53	56	52	52	72	278	933	e250	169
3	106	82	e66	e52	57	51	53	68	312	1190	e260	198
4	112	75	69	e54	56	51	56	67	293	691	243	172
5	113	84	68	e54	55	51	61	67	309	650	232	169
6	107	83	67	e56	56	51	64	68	380	964	219	174
7	102	80	65	e56	55	48	66	65	357	1420	210	173
8	99	79	64	e58	53	55	70	64	317	1220	207	168
9	99	74	e62	e58	52	52	67	65	293	959	203	155
10	99	77	e60	e58	53	51	64	74	265	1160	201	151
11	99	78	e62	59	52	59	62	81	273	1190	257	145
12	98	78	e63	e56	53	63	62	84	358	1080	231	141
13	98	71	e68	e56	53	59	66	78	531	884	211	135
14	100	e68	e62	e58	53	59	68	77	672	507	199	131
15	107	e64	e64	59	47	59	68	75	e1400	471	186	130
16	108	e66	e64	e58	e48	59	65	85	e1300	399	e210	128
17	107	e64	e63	e56	e50	61	65	92	e1050	358	e222	129
18	105	e66	e58	e54	e52	61	63	95	e900	400	e234	135
19	100	e62	e62	e54	e54	61	65	106	e950	e390	e270	128
20	101	e62	e60	e50	54	60	61	120	e1200	e400	263	125
21	99	e62	e56	e52	53	60	60	140	e1300	e370	263	122
22	98	e58	e58	e50	52	59	59	159	e1200	e340	274	122
23	93	e60	59	e49	52	57	58	175	e1200	e330	305	118
24	91	e62	59	e51	52	57	57	171	e1300	e320	269	115
25	91	e64	60	e58	53	54	57	179	e1500	e310	243	118
26	90	e62	62	e56	53	57	57	163	e1500	e300	231	119
27	90	e56	59	e54	53	56	57	152	e1550	e290	220	117
28	88	e62	63	e52	53	55	58	143	e1600	e280	212	113
29	86	e56	60	e50	---	54	60	136	1590	e280	195	124
30	80	e60	e58	e52	---	53	62	137	1230	e270	172	117
31	80	---	e56	e54	---	52	---	156	---	e260	162	---
TOTAL	3024	2080	1923	1689	1484	1729	1835	3277	25615	19566	7104	4202
MEAN	97.5	69.3	62.0	54.5	53.0	55.8	61.2	106	854	631	229	140
MAX	113	84	69	59	57	63	70	179	1600	1420	305	198
MIN	80	56	56	49	47	48	52	63	207	260	162	113
AC-FT	6000	4130	3810	3350	2940	3430	3640	6500	50810	38810	14090	8330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 1995, BY WATER YEAR (WY)

MEAN	89.1	69.4	58.2	50.0	47.4	47.8	63.4	242	486	239	149	115
MAX	213	122	95.6	72.0	62.5	78.8	127	599	1011	744	366	219
(WY)	1983	1983	1983	1984	1983	1986	1969	1969	1983	1965	1965	1965
MIN	53.0	43.8	36.0	26.5	29.9	31.0	41.1	72.0	161	101	75.7	60.5
(WY)	1993	1990	1993	1979	1977	1977	1970	1977	1954	1961	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1945 - 1995	
ANNUAL TOTAL	33196		73528			
ANNUAL MEAN	90.9		201		138	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					75.9	1977
HIGHEST DAILY MEAN	333	May 31	1600	Jun 28	1800	Jun 19 1983
LOWEST DAILY MEAN	35	Jan 31	47	Feb 15	22	Jan 1 1979
ANNUAL SEVEN-DAY MINIMUM	37	Jan 27	51	Feb 11	26	Dec 31 1978
ANNUAL RUNOFF (AC-FT)	65840		145800		100200	
10 PERCENT EXCEEDS	163		394		308	
50 PERCENT EXCEEDS	77		77		74	
90 PERCENT EXCEEDS	43		53		44	

e Estimated

09295000 DUCHESNE RIVER AT MYTON, UT

LOCATION.--Lat 40°12'01", long 110°03'47", in $NE^1/_4NW^1/_4NW^1/_4$ sec. 25, T. 3 S., R. 2 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at Myton, 3 mi downstream from Lake Fork.

DRAINAGE AREA.--2,643 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 Oct. 14, 1933, nonrecording gages at several sites within 0.5 mi of present site at various datums.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,740 $ft^3/_s$ June 29, gage height, 7.53 ft; minimum daily discharge, 10 $ft^3/_s$ Apr. 12-15, 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	26	99	e92	176	72	23	47	509	3760	170	60
2	34	30	108	e83	261	73	22	88	596	3120	87	58
3	79	29	176	e84	164	74	21	60	929	2990	75	73
4	178	29	187	e92	152	70	19	48	1220	3390	75	83
5	77	28	141	e105	109	68	14	35	1230	2340	68	85
6	51	26	138	e120	104	67	13	39	1260	2620	68	91
7	37	26	129	e140	95	67	12	42	1410	2990	72	84
8	32	28	115	e170	90	64	11	45	1330	4040	77	127
9	28	37	e100	192	90	64	11	49	1300	3400	104	115
10	26	38	e93	206	87	64	11	49	1130	3120	92	127
11	25	38	e96	197	79	67	11	58	1040	3870	107	117
12	26	40	e105	178	70	68	10	61	1090	3620	312	92
13	27	43	114	170	69	69	10	61	1570	3560	203	104
14	26	38	e100	178	72	69	10	55	2210	2500	154	94
15	30	e30	e95	178	55	68	10	45	2530	1860	148	79
16	82	e35	e106	177	64	67	11	35	2730	1420	143	76
17	103	e34	e117	155	107	66	20	41	2170	1190	129	71
18	86	e33	e100	143	127	64	10	44	1660	1300	107	75
19	67	e32.0	e104	e125	127	62	16	44	1490	1280	100	83
20	63	e31	e111	e115	120	60	18	45	1820	1270	115	81
21	61	e31	e86	e105	103	60	18	39	2120	1040	125	75
22	59	e36	e100	e100	91	58	22	48	2330	721	122	86
23	58	e46	e120	e110	93	54	30	87	2350	551	78	82
24	59	64	e130	e125	84	51	31	204	2580	401	118	85
25	57	69	e138	166	72	51	29	761	3120	288	77	94
26	51	82	e126	190	70	52	31	738	3440	197	81	95
27	34	85	e112	189	69	52	32	716	3840	176	86	87
28	28	81	e110	166	75	34	33	666	4330	104	85	56
29	25	86	e116	208	---	25	35	644	4640	105	70	60
30	26	86	e128	205	---	26	61	554	4370	105	62	61
31	26	---	e130	169	---	24	---	529	---	108	53	---

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

MEAN	232	285	303	291	314	359	380	1096	1687	433	169	180
MAX	1031	1055	1037	982	715	878	1293	4185	6356	2372	695	1597
(WY)	1984	1984	1984	1984	1984	1916	1952	1952	1922	1917	1921	1927
MIN	4.81	32.6	34.3	62.3	79.3	56.0	9.43	37.1	17.8	5.01	5.13	1.37
(WY)	1935	1991	1971	1991	1990	1990	1961	1994	1934	1961	1940	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1912 - 1995	
ANNUAL TOTAL	25029.0		148177.0			
ANNUAL MEAN	68.6		406		477	
HIGHEST ANNUAL MEAN					1318	1922
LOWEST ANNUAL MEAN					52.0	1992
HIGHEST DAILY MEAN	192	Mar 8	4640	Jun 29	9690	Jun 20 1917
LOWEST DAILY MEAN	15	Apr 13	10	Apr 12	1.0	Jul 11 1931
ANNUAL SEVEN-DAY MINIMUM	19	Apr 13	10	Apr 9	1.0	Jul 11 1931
ANNUAL RUNOFF (AC-FT)	49650		293900		345500	
10 PERCENT EXCEEDS	133		1310		1020	
50 PERCENT EXCEEDS	47		86		284	
90 PERCENT EXCEEDS	27		28		33	

e Estimated

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in $NW^1/_4NW^1/_4NE^1/_4$ sec. 9, T. 2 N., R. 2 W., Uinta Meridian, Duchesne County. Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 100 ft downstream from National Forest boundary, 4.7 mi upstream of Moon Lake Electric Association Inc. hydroelectric powerplant, and 11.5 mi northwest of Neola, Ut.

DRAINAGE AREA.--157 mi^2.

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

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

REMARKS.--Records poor. Flow regulated by Moon Lake Electric powerplant canal diversion about 0.75 mi upstream. Access to gaging station was denied in August, 1994.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, e3,000 ft^3/s June 15, 1995; minimum daily discharge, 11 ft^3/s Jan. 8, 19, 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, e3,000 ft^3/s June 15; minimum daily discharge, 28 ft^3/s several days in February.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	e54	e35	e29	e30	38	34	44	348	1190	346	209
2	78	e54	e35	e30	28	36	34	53	422	1170	330	209
3	93	e54	e34	e30	28	35	36	45	448	1380	319	233
4	119	e54	e34	e31	28	34	41	44	410	892	314	215
5	113	55	32	e31	28	35	47	44	497	789	308	212
6	111	e55	32	e30	28	34	52	44	699	1040	298	215
7	94	e56	31	e30	28	35	58	40	584	1450	287	222
8	89	e56	32	e31	28	42	60	38	488	1640	276	223
9	87	55	e32	e31	28	41	54	40	435	1320	273	207
10	85	54	e31	31	28	33	48	53	397	1420	268	201
11	85	54	e31	30	e28	31	45	63	418	1460	320	194
12	84	53	e31	e31	e28	51	47	66	659	1440	306	187
13	83	e52	e31	e31	e28	54	52	56	1040	1420	289	181
14	84	48	e30	e31	e28	41	56	54	e1650	933	268	178
15	92	e49	e30	30	28	38	55	55	e3000	786	e260	175
16	102	e47	e31	31	e29	40	50	77	e2700	705	e255	172
17	109	e45	e32	31	e29	40	42	83	e2300	693	e251	173
18	136	e44	e31	e31	e30	45	37	92	e2470	688	e247	178
19	100	e42	e31	e31	30	47	38	123	e2600	645	e246	168
20	88	e40	e30	e30	30	50	34	158	e2000	609	e244	162
21	87	e39	e30	e30	29	47	33	194	e2000	574	e240	160
22	86	e39	e31	e30	30	45	31	247	e2400	528	235	159
23	82	e38	e32	e30	31	44	30	273	e2900	469	296	155
24	80	e37	e32	e30	33	41	30	280	e2750	446	258	151
25	74	e37	e31	e30	34	41	31	308	e2500	428	240	142
26	72	e36	e32	e30	36	42	33	279	e2300	407	234	139
27	71	e36	e32	31	37	39	33	249	731	394	240	135
28	70	e36	e32	29	37	39	35	218	1550	384	236	135
29	67	e36	e31	30	---	38	37	203	2140	372	229	147
30	62	e35	e30	e30	---	39	39	200	1670	368	222	135
31	54	---	e29	e30	---	34	---	249	---	358	212	---
TOTAL	2718	1390	978	941	837	1249	1252	3972	44506	26398	8347	5372
MEAN	87.7	46.3	31.5	30.4	29.9	40.3	41.7	128	1484	852	269	179
MAX	136	56	35	31	37	54	60	308	3000	1640	346	233
MIN	54	35	29	29	28	31	30	38	348	358	212	135
AC-FT	5390	2760	1940	1870	1660	2480	2480	7880	88280	52360	16560	10660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

MEAN	60.4	36.4	25.0	26.8	26.2	29.3	40.2	271	639	315	166	130
MAX	107	46.3	33.7	35.2	38.5	40.3	45.0	536	1484	852	269	254
(WY)	1992	1995	1994	1991	1991	1995	1994	1993	1995	1995	1995	1991
MIN	28.2	17.8	13.9	12.4	16.0	21.5	30.7	128	188	100	62.9	61.4
(WY)	1991	1991	1992	1992	1992	1992	1993	1995	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1991 - 1995	
ANNUAL TOTAL	31801		97960			
ANNUAL MEAN	87.1		268		147	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					80.5	1992
HIGHEST DAILY MEAN	487	May 16	3000	Jun 15	3000	Jun 15 1995
LOWEST DAILY MEAN	23	Feb 25	28	Feb 2	11	Jan 8 1992
ANNUAL SEVEN-DAY MINIMUM	24	Feb 21	28	Feb 2	12	Jan 16 1992
ANNUAL RUNOFF (AC-FT)	63080		194300		106700	
10 PERCENT EXCEEDS	190		690		316	
50 PERCENT EXCEEDS	56		54		42	
90 PERCENT EXCEEDS	28		30		21	

e Estimated

09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'13", long 109°55'37", in $SE^1/_4NE^1/_4NW^1/_4$ sec. 7, T. 2 N., R. 1 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, on right bank, 3.2 mi upstream from U.S. Forest Boundary, and 9.6 mi north-east of Whiterocks.

DRAINAGE AREA.--113 mi^2.

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

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

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 6	0300	659	4.57	June 15	2045	*2,240	*6.49

Maximum discharge, 2,820 ft^3/s, June 26, gage height 6.98 ft, from highwater mark.
Minimum daily discharge, 24 ft^3/s, Feb. 14, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	79	e48	e28	e31	33	30	51	284	961	215	141
2	77	78	e47	e29	e30	32	30	64	390	1030	209	140
3	125	82	e46	e29	30	31	30	58	409	1070	203	153
4	124	77	e45	e30	29	32	34	56	390	868	205	146
5	126	e76	e43	e30	29	31	40	60	450	796	212	143
6	118	e77	e41	e31	29	28	44	61	615	859	197	148
7	107	77	e39	e32	28	25	51	57	553	988	182	145
8	98	77	37	e33	28	34	57	54	460	959	171	157
9	94	73	e38	e34	28	32	53	55	375	782	165	146
10	93	72	e39	e35	28	30	48	67	324	734	163	139
11	93	68	e40	36	e26	53	45	80	362	762	195	137
12	93	e68	e41	36	e25	52	45	90	620	666	182	158
13	91	65	e42	36	e25	43	52	82	837	700	171	153
14	96	e66	e42	33	24	41	56	76	1190	584	164	151
15	117	e64	e42	34	e24	41	54	79	1710	489	161	148
16	116	e61	e41	34	e25	42	50	108	1680	437	147	144
17	115	e61	e40	32	e26	46	51	115	1240	431	151	143
18	112	e58	e39	33	e27	47	46	123	1030	459	135	153
19	106	e58	e38	e33	e28	48	48	154	1080	450	126	138
20	100	e57	e37	34	e29	45	44	184	1360	453	127	114
21	98	e56	e36	31	30	44	44	220	1470	430	134	111
22	95	55	e35	e31	30	42	42	268	1360	379	140	109
23	93	e55	e34	e32	31	40	41	281	1350	360	195	106
24	90	e54	e33	e33	32	39	40	252	1420	333	191	104
25	91	e53	e32	e34	34	34	40	258	1720	299	166	102
26	89	e52	e31	e34	35	37	40	234	1730	277	146	102
27	90	e51	e30	e34	34	33	40	211	1680	261	134	100
28	86	e49	e29	e33	33	31	44	193	1620	248	128	102
29	84	e49	e29	e33	---	30	44	183	1310	239	124	114
30	79	e48	e28	e32	---	33	47	182	1210	234	123	107
31	77	---	27	e32	---	30	---	219	---	225	143	---
TOTAL	3049	1916	1169	1011	808	1159	1330	4175	30229	17763	5105	3954
MEAN	98.4	63.9	37.7	32.6	28.9	37.4	44.3	135	1008	573	165	132
MAX	126	82	48	36	35	53	57	281	1730	1070	215	158
MIN	76	48	27	28	24	25	30	51	284	225	123	100
AC-FT	6050	3800	2320	2010	1600	2300	2640	8280	59960	35230	10130	7840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1990, BY WATER YEAR (WY)

MEAN	65.9	42.4	33.5	27.5	26.0	26.6	46.9	270	437	203	134	99.4
MAX	152	68.4	50.0	42.3	36.1	41.0	118	575	1178	535	238	190
(WY)	1983	1983	1983	1983	1966	1986	1962	1969	1983	1975	1984	1961
MIN	34.8	28.6	23.4	19.2	17.0	17.8	22.9	76.1	110	75.1	61.1	50.5
(WY)	1989	1978	1990	1977	1977	1961	1975	1977	1989	1989	1974	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1961 - 1990	
ANNUAL TOTAL	30593		71668			
ANNUAL MEAN	83.8		196		118	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					53.0	1989
HIGHEST DAILY MEAN	409	May 14	1730	Jun 26	2300	Jun 22 1983
LOWEST DAILY MEAN	21	Jan 23	24	Feb 14	14	Feb 24 1977
ANNUAL SEVEN-DAY MINIMUM	22	Jan 20	25	Feb 11	16	Feb 21 1977
ANNUAL RUNOFF (AC-FT)	60680		142200		85430	
10 PERCENT EXCEEDS	177		472		266	
50 PERCENT EXCEEDS	68		73		52	
90 PERCENT EXCEEDS	25		30		24	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT

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

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

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 4,756.1 ft above sea level. Prior to Aug. 23, 1944 at site 300 ft downstream at different datum. Aug. 23, 1944 to Sept. 4, 1964 at site 200 ft upstream at datum 1.87 ft higher. Sept. 5, 1964 to June 6, 1968 at site 700 ft upstream at datum 1.68 ft higher. June 7, 1968 to Aug. 31, 1970 at site 200 ft upstream at datum 1.87 ft higher. Sept. 1, 1970 to June 7, 1975 at site 300 ft up- stream 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 poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobble Creek ditch, Strawberry River, and Willow Creek Ditch. Access to gaging station was denied in July, 1994, all subsequent data subject to revision.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,160 $ft^3/_s$ June 29, gage height, 9.99 ft; minimum daily discharge, 42.0 $ft^3/_s$ Apr. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	85	e130	164	e252	e103	e60	e105	e740	6130	e305	e160
2	157	83	e140	236	e285	e109	e58	e150	e960	5440	e193	e170
3	203	104	e165	229	e211	e109	e56	e122	e1580	5140	e177	e182
4	462	98	249	261	e189	e103	e54	e93	e1820	5510	e178	e200
5	283	96	202	319	e172	e100	e51	e75	e1870	4210	e157	e211
6	178	96	205	298	e155	e97	e49	e77	e2000	4110	e158	e222
7	117	91	184	308	e143	e95	e47	e80	e2100	4540	e170	e210
8	98	84	151	305	e134	e95	e45	e84	e2050	5370	e192	e226
9	99	81	126	314	e125	e94	e45	e86	e2000	5170	e240	e232
10	96	84	143	307	e120	e94	e44	e88	e1890	e4900	e222	e239
11	92	86	e142	295	e113	e93	e44	e91	e1670	5090	e310	e227
12	83	87	e144	284	e109	e93	e43	e95	e1730	5170	e520	e206
13	99	86	e157	260	e106	e95	e42	e95	e2230	5400	e395	187
14	101	86	e152	264	e98	e97	e43	e83	e3050	4760	e323	202
15	105	78	e148	241	e103	e100	e45	e68	e3350	3560	e310	198
16	363	e80	e149	250	e123	e94	e48	e63	e3500	3060	e290	196
17	312	e80	e156	245	e142	e93	e50	e66	e3120	e2720	e260	182
18	218	e81	e149	217	e149	e92	e48	e68	e2540	e3000	e235	194
19	163	e82	e145	e220	e149	e90	e45	e70	e2370	e2900	e195	194
20	142	e82	e148	e211	e140	e90	e48	e76	e2620	e2850	e220	e200
21	132	e83	e140	e208	e137	e84	e52	e70	e3000	e2580	e230	185
22	117	e84	e142	e215	e122	e80	e54	e82	e3300	e1800	e221	203
23	113	e87	e151	e220	e127	e78	e58	e160	e3630	e1380	e183	219
24	115	91	e166	e227	e125	e78	e61	e410	e3800	e1020	e211	211
25	111	e94	e187	e230	e119	e77	e57	e1220	e4500	e720	e170	199
26	e108	e98	e180	e237	e110	e77	e62	e1220	e5000	e550	e175	e205
27	97	99	e168	e242	e108	e65	e70	e1150	e5950	e425	e182	e200
28	88	e105	e155	e250	e110	e53	e78	e1120	e7000	e248	e197	193
29	87	e112	e156	e251	---	e49	e90	e980	6960	e249	e180	179
30	82	e120	e169	e249	---	e50	e123	e920	6610	e250	e160	243
31	85	---	e170	e232	---	e50	---	e800	---	e250	e150	---
TOTAL	4679	2703	4969	7789	3976	2677	1670	9867	92940	98502	7109	6075
MEAN	151	90.1	160	251	142	86.4	55.7	318	3098	3177	229	202
MAX	462	120	249	319	285	109	123	1220	7000	6130	520	243
MIN	82	78	126	164	98	49	42	63	740	248	150	160
AC-FT	9280	5360	9860	15450	7890	5310	3310	19570	184300	195400	14100	12050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	296	376	405	398	437	485	413	1009	1904	519	207	197
MAX	1529	1443	1352	1246	964	1202	1865	4938	7988	3177	926	975
(WY)	1984	1984	1984	1984	1984	1983	1952	1952	1983	1995	1965	1965
MIN	52.9	42.6	39.6	43.3	52.6	86.4	28.5	47.5	50.0	10.1	9.91	18.9
(WY)	1990	1990	1990	1990	1990	1995	1961	1961	1961	1961	1961	1960

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	40732.0		242956			
ANNUAL MEAN	112		666		553	
HIGHEST ANNUAL MEAN					1736	1983
LOWEST ANNUAL MEAN					76.4	1990
HIGHEST DAILY MEAN	462	Oct 4	7000	Jun 28	11500	Jun 20 1983
LOWEST DAILY MEAN	7.0	Aug 8	42	Apr 13	3.2	Aug 9 1961
ANNUAL SEVEN-DAY MINIMUM	16	Jul 26	44	Apr 8	4.2	Aug 7 1961
ANNUAL RUNOFF (AC-FT)	80790		481900		400500	
10 PERCENT EXCEEDS	227		2560		1120	
50 PERCENT EXCEEDS	87		160		330	
90 PERCENT EXCEEDS	38		70		56	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1950 to September 1951, November 1956 to September 1980, June 1981 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,490 microsiemens Aug. 24, 1960; minimum observed, 225 microsiemens June 22, 1983.

WATER TEMPERATURES: Maximum, 29.0°C several days during 1982, 1989, 1991, 1992, 1994; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,220 microsiemens Apr. 10; minimum daily, 255 microsiemens, July 7, 11.

WATER TEMPERATURES: Maximum, 26.0°C Aug. 28; minimum, 0.0°C many days during winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
JUL 12...	1400	4760	240	8.2	30.5	18.5	8.1	639	83	20
AUG 28...	1355	203	1350	8.4	30.0	24.5	6.7	641	440	93

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
JUL 12...	8.1	13	25	0.6	0.90	35	5.5	0.10	5.2	144
AUG 28...	51	130	39	3	3.9	380	58	0.70	15	934

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
JUL 12...	134	0.20	1850	--	0.010	--	<0.050	<0.015	<0.010	--
AUG 28...	898	1.27	512	0.070	<0.010	0.070	0.070	<0.015	0.030	0.09

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
JUL 12...	1400	80	<1
AUG 28...	1355	640	<2

09302000 DUCHESNE RIVER NEAR RANDLETT, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2300	2120	1730	1390	1160	1400	2620	2830	1110	780	1240	1510
2	2270	2050	1520	1380	1220	1460	2530	2380	1070	1300	1350	1520
3	2410	2150	1130	1460	1050	1550	2570	2380	870	520	1310	1570
4	2470	2220	1150	1460	1050	---	2740	2380	780	520	1300	1360
5	2190	2370	1630	1350	1250	1500	2700	2400	660	310	1450	1390
6	2250	2350	1170	940	1260	1630	2820	2290	660	310	1440	1380
7	2290	2320	1180	1120	1400	1650	3050	2310	510	255	1440	1370
8	2280	2260	1330	1120	1220	1740	3130	2170	560	265	1450	1360
9	2190	2220	1360	1130	1300	1940	3140	2150	295	350	1450	1200
10	2100	2270	1360	1030	1380	1940	3220	2010	520	320	1470	1220
11	2070	2320	1470	1010	1400	1980	2960	1910	530	255	1240	1250
12	2120	2370	1480	1060	1490	2070	2970	1840	530	680	---	1250
13	2020	2150	1550	1100	1490	2020	2860	1850	500	500	1230	1260
14	2250	2170	1480	1130	1550	1930	2970	1960	510	380	1250	1340
15	2250	2110	1420	1160	1540	1910	2910	1950	750	380	1230	1360
16	2250	2190	1340	1140	1720	1860	2880	1970	750	380	1250	1330
17	2150	2070	1340	1170	1470	2050	2430	2160	285	400	1250	1350
18	2160	2060	1200	1140	1750	2060	2430	2150	290	410	1360	1300
19	2250	2070	1120	1220	1270	2060	2450	2060	360	445	---	1290
20	2080	1540	1080	1320	1130	2150	2450	2070	325	435	1360	1280
21	2090	1730	1050	1320	1160	2140	2450	2070	390	465	1290	1290
22	2090	1920	1120	1340	1290	2020	2290	2150	370	620	1290	1250
23	2060	1900	1120	1360	1490	2120	2320	2160	265	590	1370	1230
24	2000	1980	1100	1330	1520	2170	2320	1910	270	810	1390	1220
25	2160	1910	1080	1360	1500	2140	2320	1910	270	800	1310	1270
26	1920	1940	1110	1210	1420	2180	2360	1920	305	980	1360	1300
27	1970	2030	1110	1030	1510	2130	2370	1130	320	1090	1340	1300
28	2010	1890	1070	1090	1450	2090	2400	1120	540	1110	1340	1270
29	2110	1780	1040	1100	---	2710	2380	1100	340	1340	1350	1340
30	2050	1920	1110	1080	---	2670	2390	1100	640	1350	1430	1370
31	2120	---	1150	1050	---	2670	---	1070	---	---	1440	---
MEAN	2159	2079	1261	1197	1373	1998	2648	1963	520	612	1344	1324

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	5.0	.0	.0	.0	---	---	---	19.0	19.0	18.0	22.0
2	16.0	5.0	.0	.0	.0	---	---	---	18.0	24.0	22.0	25.0
3	17.0	6.0	.0	.0	.0	---	---	---	17.0	18.0	21.0	25.0
4	17.0	6.0	.0	.0	.0	---	---	---	19.0	18.0	22.0	23.0
5	17.0	4.0	.0	.0	.0	---	---	---	15.0	22.0	21.0	23.0
6	17.0	5.0	.0	.0	.0	---	---	---	15.0	22.0	22.0	23.0
7	17.0	8.0	.0	.0	.0	---	---	---	15.0	19.0	18.0	23.0
8	17.0	9.0	.0	.0	.0	---	---	---	15.0	22.0	19.0	21.0
9	17.0	6.0	.0	.0	.0	---	---	---	14.0	19.0	20.0	21.0
10	17.0	7.0	.0	.0	.0	---	---	---	15.0	20.0	19.0	21.0
11	14.0	5.0	.0	.0	.0	.0	---	---	18.0	19.0	19.0	21.0
12	12.0	6.0	.0	.0	.0	---	---	---	18.0	19.0	---	21.0
13	12.0	3.0	.0	.0	.0	---	---	---	18.0	18.0	18.0	21.0
14	10.0	2.0	.0	.0	.0	---	---	---	13.0	19.0	18.0	21.0
15	10.0	1.0	.0	.0	.0	---	---	---	14.0	18.0	18.0	21.0
16	10.0	1.0	.0	.0	.0	---	---	---	18.0	18.0	19.0	20.0
17	8.0	1.0	.0	.0	.0	---	---	---	14.0	22.0	19.0	17.0
18	8.0	2.0	.0	.0	.0	---	---	---	14.0	23.0	19.0	18.0
19	9.0	1.0	.0	.0	.0	---	---	17.0	18.0	19.0	---	22.0
20	13.0	.0	.0	.0	.0	---	---	18.0	18.0	18.0	19.0	14.0
21	10.0	.0	.0	.0	.0	---	---	21.0	15.0	24.0	20.0	12.0
22	10.0	.0	.0	.0	.0	---	---	18.0	22.0	22.0	20.0	14.0
23	12.0	.0	.0	.0	.0	---	---	18.0	14.0	23.0	20.0	14.0
24	8.0	.0	.0	.0	.0	---	---	18.0	19.0	23.0	21.0	11.0
25	9.0	.0	.0	.0	.0	---	---	18.0	19.0	24.0	22.0	12.0
26	12.0	.0	.0	.0	.0	---	---	18.0	19.0	21.0	22.0	12.0
27	10.0	.0	.0	.0	.0	---	---	18.0	19.0	19.0	24.0	14.0
28	9.0	.0	.0	.0	---	---	---	18.0	23.0	19.0	26.0	14.0
29	10.0	.0	.0	.0	---	---	---	18.0	19.0	25.0	21.0	16.0
30	10.0	.0	.0	.0	---	---	---	18.0	19.0	18.0	25.0	16.0
31	5.0	--	.0	.0	--	--	--	19.0	--	--	25.0	--
MEAN	12.3	2.8	.0	.0	.0	---	---	---	17.1	20.5	20.6	18.6

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'44", long 109°10'41" (REVISED), in $SE^1/_4SW^1/_4NE^1/_4$ sec. 2, T. 10 S., R. 24 E., Uintah County, Hydrologic Unit 14050007, on left bank 350 ft downstream from bridge on State Highway 45, 1 mi downstream from Evacuation Creek, and 7 mi north of Watson.

DRAINAGE AREA.--4,020 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,160 ft^3/s July 15, 1929; maximum gage height, 13.1 ft Feb. 11, 1962, from floodmark in well (backwater from ice); minimum, 11 ft^3/s Dec. 6, 1972, result of freezeup.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 19	0600	*4,940	*7.30				

Minimum daily discharge, 140 ft^3/s Dec. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e330	344	e180	e150	e350	e405	e340	639	2180	3220	922	429
2	e349	331	e170	e153	e400	e390	e350	699	2320	3200	898	440
3	e360	356	e180	e150	444	e380	e360	759	2560	3140	842	442
4	e340	348	e190	e150	422	e350	e350	1010	2830	3320	761	429
5	e329	363	e200	e160	423	e380	e340	910	3010	3590	699	458
6	e330	353	e200	e150	431	e360	e361	653	3160	3180	681	e460
7	e360	350	e190	e160	445	e380	377	1000	3430	2960	664	e520
8	e400	365	e190	e170	463	e350	362	942	3580	2970	633	e500
9	e410	353	e180	e180	485	e320	285	1180	3540	3090	610	e520
10	e390	376	e180	e200	461	e330	485	1350	3420	3100	527	e520
11	e400	363	e180	e180	435	e350	551	1220	3100	3160	554	e500
12	e388	356	e190	e170	388	e390	534	1210	2750	3270	e620	e520
13	e378	377	e180	e160	363	e420	435	1460	2810	3360	e640	e520
14	e372	375	e160	e190	e360	e440	409	1920	3090	3350	e620	e500
15	e362	373	e170	e180	e340	e400	417	1610	3400	3060	e580	e500
16	e360	309	e160	e170	e390	e360	462	1540	3690	2700	e560	e520
17	e399	e265	e160	e160	e420	e370	471	1720	4070	2400	e540	e500
18	379	e240	e160	e160	e425	e390	491	1890	4510	2310	e520	e480
19	366	e220	e180	e160	e420	e400	482	1900	4660	2150	e500	e520
20	384	e200	e170	e160	e420	e410	427	1880	3920	2090	e480	e540
21	369	e210	e160	e170	e410	e440	597	1980	3570	1960	e520	e540
22	361	e180	e140	e160	e410	e390	571	2080	3640	1850	e560	e520
23	360	e160	e160	e170	e420	e380	495	2070	3660	1820	e580	e500
24	355	e180	e180	e190	e420	e380	482	2280	3640	1680	e580	e540
25	352	e180	e180	e210	e420	e360	476	2230	3440	1530	e600	e520
26	350	e160	e190	e240	e430	e380	495	2020	3250	1410	e600	e520
27	346	e180	e185	e230	e440	e360	521	1830	3140	1290	e560	e520
28	349	e170	e185	e220	e430	e350	526	1860	3130	1200	e540	e520
29	348	e170	e180	e210	---	e340	498	1760	3220	1110	e520	e700
30	346	e170	e165	e240	---	e350	560	1570	3280	1010	e500	e800
31	341	---	e160	e270	---	e360	---	1880	---	947	451	---
TOTAL	11263	8377	5455	5623	11665	11665	13510	47052	100000	75427	18862	15498
MEAN	363	279	176	181	417	376	450	1518	3333	2433	608	517
MAX	410	377	200	270	485	440	597	2280	4660	3590	922	800
MIN	329	160	140	150	340	320	285	639	2180	947	451	429
AC-FT	22340	16620	10820	11150	23140	23140	26800	93330	198300	149600	37410	30740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1979, 1986 - 1995, BY WATER YEAR (WY)

MEAN	462	423	359	353	427	579	705	1580	1817	727	476	433
MAX	1029	713	600	580	1414	1180	2466	3537	4018	2923	1915	1917
(WY)	1930	1930	1926	1926	1986	1939	1929	1929	1929	1929	1929	1929
MIN	243	279	176	160	246	336	368	384	227	109	142	208
(WY)	1964	1995	1995	1937	1949	1952	1961	1977	1934	1934	1994	1955

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1924 - 1979, 1986 -1995	
ANNUAL TOTAL	129964		324397			
ANNUAL MEAN	356		889		695	
HIGHEST ANNUAL MEAN					1736	1929
LOWEST ANNUAL MEAN					308	1977
HIGHEST DAILY MEAN	1290	Jun 2	4660	Jun 19	8160	Jul 15 1929
LOWEST DAILY MEAN	65	Aug 21	140	Dec 22	13	Jul 3 1977
ANNUAL SEVEN-DAY MINIMUM	92	Aug 15	153	Dec 31	33	Jun 28 1977
ANNUAL RUNOFF (AC-FT)	257800		643400		503800	
10 PERCENT EXCEEDS	682		3030		1580	
50 PERCENT EXCEEDS	329		429		441	
90 PERCENT EXCEEDS	160		180		285	

e Estimated

09306500 WHITE RIVER NEAR WATSON, UT--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1950 to September 1979, October 1986 to September 1993.

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

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,450 microsiemens Aug. 4, 1955; minimum recorded, 136 microsiemens May 20, 1989.

WATER TEMPERATURES: Maximum recorded, 33.0°C July 15, 1977; minimum, 0.0°C many days during winter period.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 31,100 mg/L Aug. 8, 1987; minimum daily mean, 31 mg/L Sept. 7, 8, 1989.

SEDIMENT LOADS: Maximum daily, 121,000 tons Aug. 8, 1987; minimum daily, 12 tons Sept. 7, 8, 1989.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
OCT 17...	1600	399	780	8.6	8.0	9.5	9.0	635	280	68	27
NOV 30...	0915	153	820	8.4	-5.0	0.5	12.6	645	310	76	30
APR 06...	0845	350	820	8.4	10.0	9.0	9.4	634	300	72	29
MAY 17...	0935	1780	720	8.4	11.0	13.0	8.5	630	260	61	27
JUL 14...	0940	3510	390	8.3	20.0	17.0	7.3	639	150	38	13
AUG 30...	0845	495	660	8.4	14.5	19.0	--	--	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
OCT 17...	51	28	1	2.6	210	19	0.30	9.3	472	492
NOV 30...	57	28	1	1.5	210	17	0.30	13	536	528
APR 06...	61	31	2	1.6	210	19	0.20	11	534	517
MAY 17...	52	30	1	2.5	180	10	0.30	12	490	456
JUL 14...	20	23	0.7	1.1	73	4.0	0.10	11	242	234
AUG 30...	--	--	--	--	--	--	--	--	--	--

DATE	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 17...	0.64	508	0.260	<0.010	0.260	0.260	0.020	0.03	0.010	0.03
NOV 30...	0.73	221	0.150	<0.010	0.150	0.150	<0.015	--	<0.010	--
APR 06...	0.73	505	0.050	<0.010	0.050	0.050	<0.015	--	0.010	0.03
MAY 17...	0.67	2350	--	--	--	--	0.030	0.04	--	--
JUL 14...	0.33	2290	--	--	--	--	0.020	0.03	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--

09306500 WHITE RIVER NEAR WATSON, UT--Continued

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

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT			
17...	1600	70	<1
NOV			
30...	0915	60	--
APR			
06...	0845	60	1
MAY			
17...	0935	60	3
JUL			
14...	0940	30	<1
AUG			
30...	0845	--	1

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT (Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in $NW^1/_4NW^1/_4NE^1/_4$ sec. 25, T. 13 S., R. 5 E., Sanpete County, Hydrologic Unit 14060007, on right bank 1,000 ft upstream from tunnel portal, 7.3 mi east-northeast of Fairview.

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

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

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.00	e2.0	1.3	e.30	18	14
2	---	---	---	---	---	---	.00	e2.5	2.2	e.00	18	14
3	---	---	---	---	---	---	.00	e3.0	1.8	e.00	19	14
4	---	---	---	---	---	---	.00	3.4	3.2	e.00	20	13
5	---	---	---	---	---	---	.00	2.8	5.2	e.00	20	13
6	---	---	---	---	---	---	.00	2.3	.70	e.00	20	13
7	---	---	---	---	---	---	.00	1.9	.32	e.00	20	13
8	---	---	---	---	---	---	.00	1.8	.22	e1.0	19	13
9	---	---	---	---	---	---	.00	2.6	.11	6.0	19	13
10	---	---	---	---	---	---	.00	3.6	.04	6.2	20	12
11	---	---	---	---	---	---	.00	5.0	e.03	6.1	20	12
12	---	---	---	---	---	---	.00	4.8	e.03	6.3	20	12
13	---	---	---	---	---	---	.00	2.8	e.02	6.1	18	11
14	---	---	---	---	---	---	.00	2.7	e.00	7.2	15	11
15	---	---	---	---	---	---	.00	4.8	e.00	7.8	16	11
16	---	---	---	---	---	---	.00	5.1	e.00	15	20	10
17	---	---	---	---	---	---	.00	4.9	e.02	16	19	e1.3
18	---	---	---	---	---	---	.00	2.7	e1.0	11	20	e1.2
19	---	---	---	---	---	---	.00	.63	1.4	11	20	e1.1
20	---	---	---	---	---	---	.00	.69	4.5	16	20	e1.0
21	---	---	---	---	---	---	.00	.75	6.3	15	19	e4.0
22	---	---	---	---	---	---	.00	.76	7.3	14	16	6.8
23	---	---	---	---	---	---	.00	.65	6.9	15	16	6.5
24	---	---	---	---	---	---	.00	.59	5.5	16	16	6.3
25	---	---	---	---	---	---	.00	.49	4.6	15	15	5.8
26	---	---	---	---	---	---	.00	.51	4.2	15	15	e1.3
27	---	---	---	---	---	---	e.30	.42	3.7	22	14	e1.2
28	---	---	---	---	---	---	e.70	.44	3.1	21	14	e1.1
29	---	---	---	---	---	---	e1.0	.52	1.9	20	14	e1.0
30	---	---	---	---	---	---	e1.5	.54	.69	20	14	e.95
31	---	---	---	---	---	---	---	1.2	---	19	14	---
TOTAL	---	---	---	---	---	---	3.50	66.89	66.28	308.00	548	238.55
MEAN	---	---	---	---	---	---	.12	2.16	2.21	9.94	17.7	7.95
MAX	---	---	---	---	---	---	1.5	5.1	7.3	22	20	14
MIN	---	---	---	---	---	---	.00	.42	.00	.00	14	.95
AC-FT	---	---	---	---	---	---	6.9	133	131	611	1090	473

e Estimated

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 mi^2.

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 8,400 ft above sea level, from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion above station for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 mi above station, capacity about 1,900 acre-ft is used to regulate these diversions. Flow also affected by small reservoir 1 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 419 ft$^3/_s$ May 22, 1984; maximum gage height, 3.37 ft May 27, 1986; no flow Nov. 11, 1964, Sept. 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 305 ft$^3/_s$ June 5, gage height, 3.16 ft; minimum daily discharge, 2.3 ft$^3/_s$ Nov. 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	5.9	4.2	e3.7	4.0	4.3	e7.7	35	210	90	16	8.4
2	4.3	5.8	4.1	e3.8	4.1	4.5	7.6	50	251	83	16	8.6
3	4.9	5.7	4.2	e3.8	e4.0	4.5	e8.0	40	236	75	15	9.5
4	7.0	5.5	e4.2	3.8	e4.0	e4.5	e9.0	40	253	58	15	8.4
5	7.4	5.5	e4.1	e3.8	e4.0	4.4	10	49	254	51	15	8.2
6	7.9	5.6	e4.0	e3.9	e4.0	e4.5	13	42	252	47	14	7.9
7	6.2	5.6	e3.9	e4.0	e4.0	e4.5	15	33	208	45	14	7.7
8	5.2	4.6	e3.9	4.0	4.2	4.6	17	34	196	45	16	7.4
9	4.8	2.3	e3.7	4.0	e4.1	4.3	15	45	169	39	14	7.6
10	4.6	2.3	e3.9	3.8	4.2	4.5	13	60	143	e37	13	7.5
11	4.6	2.4	4.0	e3.8	e3.8	e5.0	e12	76	140	e35	15	6.9
12	4.5	2.5	4.0	4.1	e3.8	e5.5	12	83	167	e33	13	6.9
13	4.2	2.5	e4.0	4.1	e3.9	5.8	15	59	192	e32	14	7.0
14	4.3	e2.6	e4.1	4.1	e4.0	5.7	20	58	202	e31	12	7.0
15	4.2	2.7	4.2	4.3	e3.8	6.0	16	81	203	e30	11	6.8
16	4.2	2.6	4.0	4.2	e3.6	6.2	e15	89	180	e28	12	6.9
17	4.4	2.8	3.8	4.1	4.1	6.9	15	84	159	e27	14	6.7
18	4.6	2.5	4.0	4.0	3.9	7.4	13	105	153	e26	11	6.9
19	4.4	2.5	3.9	3.9	3.9	11	13	146	153	e25	11	5.9
20	4.4	2.5	4.0	4.1	4.0	11	13	186	159	e23	11	5.3
21	5.2	3.5	4.2	4.0	4.0	e10	12	206	161	e22	11	5.0
22	6.2	e3.7	4.0	e4.1	4.0	e9.0	11	226	159	e21	11	4.9
23	6.1	e3.9	4.0	e3.9	4.1	e8.5	11	227	149	e20	13	4.8
24	6.1	4.1	4.0	4.0	4.1	e8.0	11	212	139	e19	14	4.7
25	6.1	4.2	4.0	4.0	4.2	e7.5	11	197	127	e19	12	4.6
26	5.9	e4.2	4.0	4.1	4.2	e7.8	12	165	119	e19	11	4.7
27	6.0	e4.1	4.0	4.4	4.3	e7.6	15	151	112	e18	9.6	4.9
28	6.0	e4.1	3.9	4.0	4.3	e7.8	19	122	108	e18	9.5	5.0
29	5.9	4.2	4.0	e4.0	---	8.2	18	127	103	e18	9.2	5.8
30	5.8	4.2	3.9	e3.9	---	e8.0	37	133	100	e18	8.7	6.3
31	5.8	---	e3.8	4.0	---	e7.8	---	175	---	e17	8.6	---
TOTAL	165.4	114.6	124.0	123.7	112.6	205.3	416.3	3336	5157	1069	389.6	198.2
MEAN	5.34	3.82	4.00	3.99	4.02	6.62	13.9	108	172	34.5	12.6	6.61
MAX	7.9	5.9	4.2	4.4	4.3	11	37	227	254	90	16	9.5
MIN	4.2	2.3	3.7	3.7	3.6	4.3	7.6	33	100	17	8.6	4.6
AC-FT	328	227	246	245	223	407	826	6620	10230	2120	773	393

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1995, BY WATER YEAR (WY)

MEAN	4.91	4.54	3.80	3.47	3.42	4.24	18.4	99.4	61.4	14.0	7.29	5.03
MAX	13.5	11.6	9.00	7.83	7.37	10.6	55.4	239	239	47.9	16.7	14.1
(WY)	1983	1983	1942	1984	1984	1972	1942	1952	1983	1983	1965	1965
MIN	.65	1.92	1.81	1.40	1.40	2.13	3.37	12.9	9.35	3.75	1.96	1.89
(WY)	1979	1991	1960	1960	1960	1963	1975	1977	1992	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1941 - 1995	
ANNUAL TOTAL	4571.7		11411.7			
ANNUAL MEAN	12.5		31.3		19.2	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	136	May 13	254	Jun 5	419	May 22 1984
LOWEST DAILY MEAN	2.3	Nov 9	2.3	Nov 9	.00	Sep 23 1966
ANNUAL SEVEN-DAY MINIMUM	2.5	Nov 9	2.5	Nov 9	.06	Sep 22 1966
ANNUAL RUNOFF (AC-FT)	9070		22640		13930	
10 PERCENT EXCEEDS	34		127		49	
50 PERCENT EXCEEDS	4.2		6.9		5.0	
90 PERCENT EXCEEDS	3.2		3.9		2.5	

e Estimated

09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW$^1/_4$NE$^1/_4$SW$^1/_4$ sec. 18, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 0.8 mi upstream from bridge, 1.2 mi downstream from French Creek, and 4.5 mi north of Scofield.

DRAINAGE AREA.--60.1 mi^2.

PERIOD OF RECORD.--June to October 1931, April to September 1932, October 1938 to current year. Published as Price River above Scofield Reservoir, near Scofield, October 1938 to September 1967.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-88-1: 1987.

GAGE.--Water-stage recorder. Elevation of gage is 7,670 ft above sea level, from topographic map. June 1931 to September 1932, and October 1938 to July 27, 1967, at various sites about 0.5 mi downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions in headwaters for irrigation in Sevier Lake basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft$^3/_s$ May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft$^3/_s$ Oct. 31, 1960.

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

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
May 11	2212	278	2.50	May 21	2300	*674	*3.91

Minimum daily discharge, 3.9 ft$^3/_s$, Nov. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	7.9	e9.2	e7.6	e9.2	e14	e31	117	e560	158	31	17
2	7.3	8.2	e8.8	e7.6	e9.2	e15	34	158	e650	153	31	18
3	8.5	7.6	e8.9	e7.6	e9.0	e15	36	138	e635	147	29	20
4	12	e7.6	e9.0	e7.6	e9.0	e15	42	137	e660	126	29	18
5	13	e7.6	e8.7	e7.6	e9.0	e14	54	152	e665	109	27	18
6	16	e7.7	e8.5	e7.8	e9.0	e15	67	145	e655	101	26	17
7	13	e7.7	e8.3	e8.1	e9.0	e15	70	131	e610	95	23	16
8	11	7.7	e7.9	e8.2	e10	e15	78	127	e540	91	24	16
9	9.0	e6.8	e8.1	e8.0	e9.8	e14	71	141	e455	86	24	16
10	8.4	e5.0	e8.4	e7.9	e10	e15	65	171	e400	81	24	16
11	7.9	3.9	e8.4	e7.8	e9.6	e17	60	212	e385	77	28	15
12	7.7	4.6	e8.4	e8.4	e9.6	e20	59	247	e435	75	24	15
13	7.2	5.2	e8.4	e8.4	e10	e22	67	202	e485	73	25	15
14	7.2	e5.5	e8.4	e8.4	e11	e21	75	200	e500	68	23	15
15	7.2	e5.9	e8.5	e9.3	e10	e22	70	237	e520	64	21	15
16	8.1	6.1	e8.0	e9.0	e9.9	e25	65	279	e450	60	21	15
17	8.2	8.2	e7.7	e8.9	e11	e29	66	284	e400	58	24	16
18	8.2	9.3	e8.0	e8.8	e10	e37	59	327	e370	56	21	18
19	8.1	9.3	e7.8	e8.7	e10	e42	58	398	e360	55	20	15
20	7.7	9.4	e8.1	e9.3	e11	e42	58	469	e365	54	20	14
21	7.7	9.8	e8.4	e9.1	e11	e39	55	550	e375	49	20	13
22	9.3	9.6	e8.1	e9.0	e11	e35	52	601	e375	47	22	13
23	9.8	e9.4	e8.0	e8.7	e12	e34	54	592	e330	45	24	13
24	9.8	e9.2	e8.0	e9.0	e12	e33	52	557	e270	44	26	13
25	9.8	e9.0	e8.0	e9.0	e13	e32	53	535	e230	42	23	13
26	9.8	e9.0	e8.0	e9.0	e13	e34	56	471	e210	40	20	13
27	9.8	e8.8	e8.0	e8.7	e14	e33	65	419	e191	37	19	13
28	9.8	e8.8	e7.8	e9.0	e14	e36	74	e350	184	36	19	14
29	8.9	e9.1	e8.0	e9.0	---	e40	74	e375	174	34	18	16
30	8.3	e9.2	e7.8	e8.8	---	e36	119	e395	169	33	18	18
31	7.6	---	e7.5	e9.0	---	e32	---	e472	---	32	17	---
TOTAL	284.7	233.1	255.1	263.3	295.3	808	1839	9589	12608	2226	721	464
MEAN	9.18	7.77	8.23	8.49	10.5	26.1	61.3	309	420	71.8	23.3	15.5
MAX	16	9.8	9.2	9.3	14	42	119	601	665	158	31	20
MIN	7.2	3.9	7.5	7.6	9.0	14	31	117	169	32	17	13
AC-FT	565	462	506	522	586	1600	3650	19020	25010	4420	1430	920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	11.5	11.2	9.72	8.84	9.27	13.0	61.3	264	142	30.5	14.9	11.1
MAX	26.7	28.8	19.3	20.3	21.2	42.7	167	681	731	99.6	37.5	27.0
(WY)	1983	1983	1985	1971	1994	1986	1988	1952	1983	1983	1983	1983
MIN	5.34	6.01	5.16	3.34	3.79	5.00	11.5	23.5	14.4	6.83	4.07	3.49
(WY)	1978	1965	1962	1979	1979	1964	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939 - 1995	
ANNUAL TOTAL	10357.9		29586.5			
ANNUAL MEAN	28.4		81.1		49.1	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	234	May 13	665	Jun 5	1310	May 22 1984
LOWEST DAILY MEAN	3.9	Nov 11	3.9	Nov 11	2.6	Jan 31 1979
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 22	5.2	Nov 10	2.8	Jan 29 1979
ANNUAL RUNOFF (AC-FT)	20540		58680		35600	
10 PERCENT EXCEEDS	79		328		126	
50 PERCENT EXCEEDS	9.6		16		12	
90 PERCENT EXCEEDS	6.2		7.9		7.0	

e Estimated

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

LOCATION.--Lat 39°43'18", long 111°09'38", in $SW^1/_4NE^1/_4$ sec. 5, T. 13 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on left bank 1.3 mi upstream from mouth, 0.1 mi below Winter Quarters Canyon, 0.2 mi upstream from Scofield.

DRAINAGE AREA.--29.1 mi^2.

PERIOD OF RECORD.--August 1978 to September 1986. October 1990 to current year. Formerly published as "Pleasant Valley Creek below Winter Quarters Canyon, at Scofield, UT."

GAGE.--Water-stage recorder. Altitude of gage is 7,720 ft above sea level, from topographic map.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 165 $ft^3/_s$ June 13, gage height, 3.31 ft; minimum daily discharge, 4.1 $ft^3/_s$ Jan. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	5.4	e5.1	e4.6	e5.3	5.6	8.2	19	57	33	9.8	8.8
2	7.1	5.4	e5.2	e4.5	e5.4	5.9	9.3	27	83	33	9.6	9.4
3	11	5.1	5.2	e4.7	e5.2	5.5	10	21	87	41	9.6	9.4
4	8.6	e4.8	e5.4	e4.7	e4.9	5.9	12	21	92	31	9.4	7.8
5	8.9	e5.0	e5.6	e5.0	e5.0	6.0	14	22	108	28	9.3	7.8
6	8.6	5.3	5.4	e4.8	e5.0	e5.7	15	21	131	25	9.4	7.7
7	7.5	5.2	e5.2	e4.8	e4.9	e5.5	16	20	101	24	8.8	6.2
8	6.9	4.9	e5.1	e5.0	4.9	e5.6	17	19	85	22	8.5	6.2
9	5.6	e4.8	e4.9	e5.0	e5.0	e5.7	16	21	65	23	8.0	6.2
10	6.2	e4.9	e5.0	5.1	4.8	5.8	14	23	52	24	8.7	6.2
11	5.7	4.9	e5.2	5.3	e5.0	7.6	14	25	53	21	9.2	6.0
12	5.3	e5.0	e5.3	e5.0	e5.5	6.9	15	27	81	22	9.6	6.3
13	5.3	5.2	e5.4	e5.1	e7.2	6.5	15	25	120	20	9.2	7.4
14	6.1	e5.1	e5.0	4.7	e8.1	6.2	17	23	126	18	8.9	8.0
15	6.2	e5.0	e4.8	4.7	e9.0	6.5	16	25	131	17	7.7	8.3
16	6.9	e5.2	e5.0	4.2	e8.1	7.0	15	26	112	16	10	8.3
17	7.6	e5.1	e5.2	e4.1	e7.5	8.9	16	27	96	16	9.2	8.6
18	6.9	e5.2	e5.2	e4.5	e6.8	8.0	15	29	77	15	8.3	8.5
19	6.6	e5.1	e4.8	e4.4	e7.0	11	15	34	69	15	8.5	8.2
20	6.6	e5.0	e5.0	e4.9	e6.6	9.8	14	40	68	14	8.5	8.0
21	6.4	e5.2	e5.1	e4.9	e6.4	10	14	48	66	14	12	8.0
22	5.9	e5.0	e5.6	e4.8	e6.4	9.2	14	57	60	14	10	7.5
23	5.6	e5.2	e5.6	e4.7	e6.3	8.8	15	56	52	13	9.3	8.8
24	5.6	e5.3	e5.6	e5.0	e6.2	9.6	14	51	49	13	9.2	9.0
25	5.3	e5.3	e5.5	e5.2	6.4	8.7	14	45	45	13	8.7	8.4
26	5.0	e5.4	5.4	e5.2	5.8	8.4	14	41	44	12	8.7	7.8
27	5.4	e5.1	5.5	e5.0	6.1	8.8	14	39	42	12	9.8	7.8
28	5.5	e5.2	5.2	e4.9	5.5	8.0	14	36	41	11	9.4	8.1
29	5.5	e4.9	5.3	e4.9	---	9.2	15	34	38	12	8.8	8.5
30	5.3	e5.0	4.8	e5.1	---	8.8	24	34	36	12	8.6	7.2
31	5.6	---	e4.7	e5.2	---	8.6	---	42	---	11	8.5	---
TOTAL	202.5	153.2	161.3	150.0	170.3	233.7	435.5	978	2267	595	283.2	234.4
MEAN	6.53	5.11	5.20	4.84	6.08	7.54	14.5	31.5	75.6	19.2	9.14	7.81
MAX	11	5.4	5.6	5.3	9.0	11	24	57	131	41	12	9.4
MIN	5.0	4.8	4.7	4.1	4.8	5.5	8.2	19	36	11	7.7	6.0
AC-FT	402	304	320	298	338	464	864	1940	4500	1180	562	465

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-95, BY WATER YEAR (WY)

MEAN	7.04	6.21	5.52	5.32	5.61	7.74	17.4	58.6	53.8	14.1	8.17	8.09
MAX	12.2	10.3	9.48	8.74	9.19	18.3	40.7	141	134	30.8	16.0	14.0
(WY)	1985	1986	1985	1986	1984	1986	1985	1984	1983	1983	1984	1986
MIN	2.73	3.35	2.80	1.95	3.00	4.27	9.00	9.19	6.34	3.43	2.91	2.03
(WY)	1979	1980	1980	1980	1979	1979	1979	1992	1994	1981	1992	1979

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1979-86, 1991-95	
ANNUAL TOTAL	2598.1		5864.1			
ANNUAL MEAN	7.12		16.1		16.5	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	27	May 13	131	Jun 6	300	May 24 1984
LOWEST DAILY MEAN	2.4	Aug 7	4.1	Jan 17	1.6	Sep 8 1979
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 3	4.5	Jan 14	1.6	Jan 11 1980
ANNUAL RUNOFF (AC-FT)	5150		11630		11950	
10 PERCENT EXCEEDS	13		40		37	
50 PERCENT EXCEEDS	6.0		8.1		7.2	
90 PERCENT EXCEEDS	3.9		5.0		3.4	

e Estimated

09311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in NW$^1/_4$SE$^1/_4$ sec. 10, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 200 ft upstream from face of dam on Price River and 4.7 mi northeast of Scofield.

DRAINAGE AREA.--154 mi^2.

PERIOD OF RECORD.--October 1941, April 1942 to current year. Fragmentary records 1926-41 in files of Office of State Engineer.

REVISED RECORDS.--WSP 1089: 1946. WDR UT-77-1: Drainage area.

GAGE.--Staff gage read twice daily. Datum of gage is sea level (levels by Bureau of Reclamation). Prior to Nov. 8, 1945, at site 800 ft upstream 200 ft from old dam at datum 4.51 ft higher.

REMARKS.--Reservoir is formed by earth and rockfill; rock-faced dam 800 ft downstream from old dam in use prior to Nov. 8, 1945. Storage began in May 1926. Usable capacity of reservoir formed by new dam is 65,780 acre-ft between elevations 7,586.0 ft (bottom of outlet works) and 7,617.5 ft (crest of spillway). Dead storage, 8,000 acre-ft below elevation 7,586.0 ft. Figures given herein represent usable contents. Water used for irrigation in vicinity of Price.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 77,280 acre-ft June 12, 13, 1983; elevation, 7,621.85 ft; minimum observed, 280 acre-ft Oct. 3, 1945; elevation, 7,586.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 62,160 acre-ft June 22-29, elevation, 7,616.20 ft; minimum observed, 10,670 acre-ft Oct. 1, 2, elevation, 7,593.70 ft.

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

7,593	9,480	7,600	22,750
7,614	56,165	7,594	11,180
7,605	33,603	7,615	58,870
7,595	12,960	7,608	40,740
7,616	61,610	7,596	14,810
7,610	45,726	7,619	70,040

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10670	e11180	e11530	e12420	13700	14810	18700	23790	47510	62090	52710	39770
2	10670	e11180	e11530	12420	13880	e14810	18900	24410	48280	61880	52180	39520
3	e10670	e11180	e11530	12600	e13880	e14810	18900	24830	49830	61880	51660	39280
4	e10670	e11180	e11530	e12600	e13880	e15000	19100	25250	51920	61610	51400	38800
5	e10840	e11180	11530	e12600	e14070	15000	19300	25670	52970	61610	50870	38550
6	10840	e11180	11710	e12780	14070	e15000	19500	26070	54030	61610	50610	38310
7	e10840	e11180	e11710	12780	14070	15000	19700	26310	54560	61330	50090	38070
8	e10840	11180	e11710	e12780	e14070	15200	19900	26520	55630	61060	49570	37830
9	e10840	11350	e11710	e12960	e14260	e15200	20110	26940	56440	60790	49050	37360
10	e10840	e11350	e11710	12960	14260	e15390	20110	27380	56970	60510	48540	37120
11	10840	e11350	e11710	e12960	e14260	15390	20310	27810	57520	60240	48020	36880
12	e10840	e11350	e11710	e12960	e14260	e15390	20510	28460	57790	60240	47510	36640
13	e10840	e11350	11710	e12960	e14440	e15580	20910	29110	58330	59960	47000	36410
14	e10840	e11530	e11710	e13140	e14440	15580	20910	29550	58870	59690	46740	35930
15	e10840	e11530	e11890	e13140	14440	15770	21120	30000	59420	59420	46230	35460
16	e10840	e11530	11890	13140	e14440	16150	21120	30440	60240	58870	45720	35000
17	e10840	e11530	e11890	e13140	e14440	16350	21320	31780	60790	58600	45470	34770
18	10840	11530	e11890	e13330	e14440	16540	e21320	33150	61060	58330	44970	34530
19	11010	e11530	e11890	e13330	e14440	16930	21520	34070	61610	57790	44470	34070
20	11010	e11530	11890	13330	e14440	17120	21730	35000	61880	57520	43710	33840
21	11010	e11530	12070	e13330	14440	17320	21930	35930	62020	56970	43460	33600
22	11010	e11530	e12070	e13330	14630	17520	21930	36880	62160	56710	42960	33370
23	11010	e11530	e12240	e13510	e14630	17710	22140	38550	62160	56440	42710	33150
24	11010	e11530	12240	e13510	e14630	17910	22340	40010	62160	56160	42470	32920
25	11010	e11530	e12240	13510	e14810	18110	22340	41480	62160	55630	41970	32470
26	11010	e11530	e12240	e13510	e14810	18300	22750	41970	62160	55100	41480	32240
27	11010	e11530	e12420	e13700	14810	18300	23170	42710	62160	54830	41230	32010
28	11010	e11530	e12420	e13700	e14810	18500	23170	43710	62160	54300	40980	31560
29	11010	e11530	12420	13700	---	18500	23370	44970	62160	54030	40740	31330
30	11180	11530	e12420	e13700	---	18500	23580	45980	62080	53770	40250	31110
31	11180	---	e12420	e13700	---	18700	---	46740	---	53240	40010	---
MAX	11200	11500	12400	13700	14800	18700	23600	46700	62200	62100	52700	39800
MIN	10700	11200	11500	12400	13700	14800	18700	23800	47500	53200	40000	31100
(#)	7594.0	7594.2	---	---	---	7598.0	7600.4	7610.4	7616.2	7612.9	7607.7	7603.9
(*)	+510	+350	+890	+1280	+1110	+3890	+4880	+23160	+15340	-8840	-13230	-8900

CAL YR 1994 ..... (*) -20730
WTR YR 1995..... (*) +29340

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

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

LOCATION.--Lat 39°52'33", long 111°02'12", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 9, T. 11 S., R. 8 E., Utah County, Hydrologic Unit 14060007, 50 ft downstream from bridge on U.S. Highways 6-50, 1.5 mi downstream from Tabbyune Creek, 2.5 mi northwest of the Colton railroad siding, and 4.5 mi southeast of Soldier Summit.

DRAINAGE AREA.--75.6 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft$^3/_s$ May 27, 1983, gage height, 5.82 ft; no flow many days August and September 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage (ft)
May 25	0231	*280	*3.01	No other peak greater than base discharge.			

Minimum daily discharge, 2.5 ft$^3/_s$ Nov. 3,4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	2.7	e3.6	e3.3	e3.7	e9.0	22	91	193	46	14	9.6
2	3.2	e2.6	e3.7	e3.3	e3.8	e9.0	25	152	211	46	14	9.4
3	3.5	e2.5	e3.8	e3.4	e3.6	e9.0	27	153	214	52	14	11
4	4.5	e2.5	e3.9	e3.4	e3.5	e10	35	151	200	44	14	9.2
5	4.4	2.7	e4.0	e3.5	e3.6	e12	42	158	187	40	15	9.2
6	4.4	e2.9	e3.7	e3.4	e3.6	12	48	161	177	38	13	8.6
7	4.1	e2.9	e3.7	e3.4	e3.5	e11	47	156	165	37	12	8.2
8	3.2	e2.8	e3.5	e3.6	e3.3	e11	49	143	157	35	11	8.3
9	2.9	e2.7	e3.3	e3.6	e3.4	e11	46	140	147	35	12	8.2
10	2.8	e2.9	e3.4	e3.7	e3.3	12	42	156	137	37	14	8.4
11	2.8	e3.0	e3.6	e3.7	e3.2	e12	40	177	120	35	16	7.7
12	2.8	e3.2	e3.6	e3.5	e3.1	e12	39	197	111	34	14	7.5
13	2.8	e3.1	e3.8	e3.5	e3.1	e12	43	184	108	34	14	7.6
14	2.8	e3.0	e3.6	e3.4	e3.4	e12	47	172	107	31	12	7.3
15	2.8	2.9	e3.4	e3.4	e3.3	e12	48	169	103	29	12	7.2
16	3.2	3.2	e3.7	e3.2	e4.0	e13	43	196	99	27	11	7.1
17	3.5	e3.1	e3.8	e3.1	e4.5	e14	44	212	96	27	13	8.1
18	3.7	e3.2	e3.8	e3.3	e5.0	e13	42	220	93	26	11	11
19	4.0	e3.5	e3.8	e3.2	e5.8	e13	44	232	83	26	11	8.9
20	3.9	e3.4	e3.5	e3.4	e6.4	e13	42	239	78	25	10	8.1
21	3.4	e3.9	e3.6	e3.4	e7.6	e14	40	254	73	23	13	7.7
22	3.4	e3.5	e3.7	e3.3	e8.0	e14	39	268	69	21	13	7.9
23	3.2	e3.7	e3.7	e3.2	8.1	e15	40	274	64	21	13	8.1
24	3.2	e3.8	e3.6	e3.4	7.9	e16	39	264	60	20	14	8.1
25	3.2	e3.8	e3.5	e3.6	e7.8	e16	40	267	56	19	11	7.5
26	3.2	e3.9	e3.4	e3.6	e7.8	e15	45	246	53	18	10	7.4
27	3.2	e3.6	e3.3	e3.5	e8.2	e17	45	234	50	17	9.9	7.7
28	3.2	e3.5	e3.7	e3.3	e8.0	e19	49	223	48	17	9.8	7.7
29	3.2	e3.4	e3.6	e3.3	---	e18	55	209	47	16	9.4	8.8
30	2.7	e3.5	e3.4	e3.5	---	e19	94	194	49	15	8.8	9.1
31	2.6	---	e3.3	e3.6	---	21	---	189	---	15	8.4	---
TOTAL	103.2	95.4	112.0	106.0	140.5	416.0	1301	6081	3355	906	377.3	250.6
MEAN	3.33	3.18	3.61	3.42	5.02	13.4	43.4	196	112	29.2	12.2	8.35
MAX	4.5	3.9	4.0	3.7	8.2	21	94	274	214	52	16	11
MIN	2.6	2.5	3.3	3.1	3.1	9.0	22	91	47	15	8.4	7.1
AC-FT	205	189	222	210	279	825	2580	12060	6650	1800	748	497

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

MEAN	5.65	5.23	4.41	4.12	5.05	12.9	62.4	156	56.5	15.7	7.25	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	3024.54		13244.0			
ANNUAL MEAN	8.29		36.3		28.4	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	40	Apr 23	274	May 23	927	May 27 1983
LOWEST DAILY MEAN	.33	Aug 27	2.5	Nov 3	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	.70	Aug 24	2.6	Oct 30	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	6000		26270		20610	
10 PERCENT EXCEEDS	24		149		73	
50 PERCENT EXCEEDS	3.6		9.4		6.5	
90 PERCENT EXCEEDS	1.5		3.2		2.4	

e Estimated

09313000 PRICE RIVER NEAR HEINER, UT

LOCATION.--Lat 39°43'08", long 110°51'55", in $SW^1/_4SE^1/_4SW^1/_4$, sec. 1, T. 13 S., R. 9 E., Carbon County, Hydrologic Unit 14060007, on left bank 0.7 mi north of Heiner and 0.8 mi downstream from Willow Creek.

DRAINAGE AREA.--455 mi^2.

PERIOD OF RECORD.--June 1934 to September 1969, October 1979 to September 1981, October 1990 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 6,000 ft above sea level, from topographic map. Prior to September 1969 at present site at datum 2.00 ft lower. October 1979 to September 1981 a water-stage recorder at site 400 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by regulation of Scofield Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft^3/s Sept. 13, 1940, gage height, 7.98 ft, from rating curve extended above 750 ft^3/s on basis of slope-area measurements of peak flow; minimum recorded, 0.4 ft^3/s Aug. 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 780 ft^3/s June 3, gage height, 5.97 ft; minimum daily discharge 3.5 ft^3/s Feb. 4-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	14	e7.8	e10	e3.7	18	35	138	342	449	295	178
2	32	15	e7.6	e9.8	e3.7	21	39	204	409	447	295	182
3	34	15	e8.2	e10	e3.6	19	38	198	581	469	291	186
4	30	12	e8.3	e10	e3.5	20	44	194	730	432	288	178
5	21	16	e8.4	e9.5	e3.5	18	55	212	711	410	291	177
6	24	15	e8.0	e8.8	e3.5	17	66	223	711	397	290	179
7	20	15	e8.0	e9.4	e3.5	12	70	214	688	385	283	175
8	18	16	e7.8	e9.9	e3.7	13	78	195	698	380	277	174
9	18	14	e7.6	e9.1	e3.8	16	74	185	656	347	278	172
10	17	15	e7.4	e9.3	e3.7	19	62	208	619	341	282	174
11	17	15	e8.0	e9.7	e3.7	62	57	248	577	331	297	169
12	16	19	e8.8	e8.4	e3.7	65	54	283	561	307	297	169
13	15	17	e10	e7.1	e3.8	38	57	271	563	313	288	167
14	16	13	e9.8	e6.6	e3.9	38	61	248	572	297	282	167
15	21	e12	e9.6	e6.5	e3.7	43	67	231	565	290	275	167
16	23	e12	e9.8	e6.3	e4.5	49	63	263	553	284	276	166
17	22	e13	e9.8	e6.5	5.3	68	68	299	554	275	271	170
18	23	e12	e10	e6.5	6.1	68	73	313	555	280	250	174
19	22	e11	e9.8	e6.5	6.7	83	84	332	516	275	250	171
20	20	e9.0	e10	e6.5	6.0	70	78	361	510	269	252	168
21	17	e9.2	e10	e6.5	6.6	65	74	388	539	260	256	167
22	13	e8.2	e10	e6.5	6.9	65	69	417	527	257	240	167
23	12	e7.8	e9.3	e6.5	7.6	57	70	461	523	257	237	169
24	11	e8.2	e10	e6.5	8.8	53	66	459	513	256	240	166
25	11	e8.7	e10	e5.8	11	46	66	493	511	279	235	166
26	12	e8.7	e9.6	e4.4	13	43	71	438	486	276	232	159
27	12	e8.2	e9.8	e3.7	14	37	73	408	447	270	232	157
28	14	e7.8	e10	e3.7	18	39	82	385	446	268	212	160
29	13	e7.4	e9.9	e3.7	---	38	95	363	439	278	206	163
30	14	e8.0	e9.8	e3.7	---	34	141	336	452	283	199	163
31	12	---	e10	e3.7	---	35	---	322	---	282	178	---
TOTAL	585	362.2	283.1	221.1	169.5	1269	2030	9290	16554	9944	8075	5100
MEAN	18.9	12.1	9.13	7.13	6.05	40.9	67.7	300	552	321	260	170
MAX	35	19	10	10	18	83	141	493	730	469	297	186
MIN	11	7.4	7.4	3.7	3.5	12	35	138	342	256	178	157
AC-FT	1160	718	562	439	336	2520	4030	18430	32830	19720	16020	10120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81 1991-95, BY WATER YEAR (WY)

MEAN	41.5	17.5	12.4	10.2	13.5	39.0	157	340	257	194	134	88.0
MAX	143	90.7	30.1	18.4	29.0	181	523	1538	913	321	260	178
(WY)	1938	1938	1966	1953	1943	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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1935-69, 1980-81, 1991-95	
ANNUAL TOTAL	27170.3		53882.9			
ANNUAL MEAN	74.4		148		109	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	204	Jul 10	730	Jun 4	2040	Apr 28 1952
LOWEST DAILY MEAN	7.4	Nov 29	3.5	Feb 4	.90	Aug 18 1961
ANNUAL SEVEN-DAY MINIMUM	7.9	Nov 27	3.6	Feb 1	2.4	Nov 7 1934
ANNUAL RUNOFF (AC-FT)	53890		106900		79090	
10 PERCENT EXCEEDS	185		423		253	
50 PERCENT EXCEEDS	32		61		49	
90 PERCENT EXCEEDS	10		6.6		8.0	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT

WATER QUALITY RECORDS

PERIOD OF RECORD.--December 1946 to September 1949, February 1951 to September 1988, November 1991 to July 1992.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1951 to September 30, 1978.
WATER TEMPERATURES: February 1951 to September 1959, November 1961 to September 1963, October 1964 to September 30, 1978.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemems Dec. 11, 1951; minimum daily, 814 microsiements June. 1, 1952.
WATER TEMPERATURES: Maximum, 32.0°C July 10, 11, 1954 and Apr. 7, 1977; minimum, 0.0°C on many days during winter period each year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
MAR 27...	0955	74	2050	8.4	4.5	3
MAY 31...	0910	350	1300	8.2	14.0	2
JUN 30...	1315	400	1150	8.4	18.5	<1
JUL 24...	1245	120	1890	8.4	20.5	1
AUG 17...	1330	170	1490	8.3	21.5	<2

09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION (REVISED).--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 mi² approximately, of which about 4,260 mi² (including 3,959 mi² in Great Divide Basin in southern Wyoming) is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to October 1899, October 1904 to current year. Published as "at Blake" 1894-99, as "near Elgin" 1911, and as "at Little Valley, near Green River" 1910-23.

REVISED RECORDS.--WSP 918: 1895-1900. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft above sea level. Prior to Nov. 6, 1914, staff, wire-weight, or chain gages at several sites within 7 mi of present site at various datums. Nov. 6, 1914 to June 20, 1924, water-stage recorder at site 7 mi downstream at different datum. June 21 to Sept. 18, 1924, chain gage, and Sept. 19, 1924 to May 7, 1947, water-stage recorder at site 100 ft downstream at present datum. May 8, 1947 to Sept. 7, 1994, water-stage recorder at site 900 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) since Nov. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft³/s June 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 ft³/s Nov. 26, 1931; minimum gage height, 4.08 ft Aug. 1, Dec. 5, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 ft³/s and maximum (*):

Dates	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
June 18	2119	*29,800	*13.16	No other peak greater than base discharge.			

Minimum discharge, 1,310 ft³/s Dec. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2520	1990	1600	2490	2530	2980	2680	3890	15300	26000	6450	2850
2	2420	1880	1660	2510	2470	2940	2550	4230	15500	25800	5760	2810
3	2410	1870	1740	2270	2490	2820	2500	4260	15100	24400	5240	2730
4	2360	1940	2020	1930	2580	2670	2410	4680	15300	22800	4800	2650
5	2430	1990	2330	1730	2820	2600	2370	5890	e17100	22300	4460	2630
6	3000	2070	2680	1610	2920	2480	2260	7240	e21400	21000	4300	2650
7	3110	2060	2780	1630	2960	2420	2200	8610	e24600	19800	4120	2720
8	2900	2000	2790	1820	2970	2400	2170	9220	e27100	19500	4040	2760
9	2660	1960	2690	1850	2920	2330	2180	8000	e26300	19000	3520	2870
10	2720	1910	2530	2150	2970	2290	2290	7500	e24600	18400	3370	2930
11	2600	1920	2180	2180	3030	2280	2440	7590	e23500	17800	3270	3060
12	2400	1980	1860	2400	3010	2270	2770	8210	e22200	17900	3280	3000
13	2360	2010	1750	2510	2880	2200	3240	9560	e21100	18100	3300	3020
14	2370	2000	1680	2650	2750	2240	3680	9410	20400	18000	3670	2950
15	2510	2000	1580	2770	2660	2210	3730	9270	20800	18000	3750	2880
16	3150	2020	1720	2760	2520	2240	3490	11200	23100	16500	3510	2920
17	2770	2050	2010	2670	2410	2320	3290	12800	25600	15100	3440	2900
18	3020	2040	1980	2600	2420	2340	3170	10900	28600	14400	3360	2880
19	3270	2060	1960	2700	2480	2470	3220	10700	29300	e13000	3390	2830
20	2900	2030	2020	2640	2390	2540	3430	12800	28300	e12300	3200	2830
21	2820	2010	2120	2470	2400	2520	3700	14100	27700	11800	3090	2760
22	2740	2040	2250	2340	2400	2550	3610	14500	27000	11300	3090	2790
23	2580	1990	2230	2170	2360	2740	3620	14700	25700	10900	2970	2770
24	2510	1880	2120	1960	2340	2910	3960	14700	25200	10300	3100	2820
25	2510	1840	2100	1850	2370	3100	3940	14800	25100	10000	3320	2820
26	2460	1820	2130	1840	2500	3360	3870	15000	25500	9510	3430	2850
27	2400	1780	2330	1880	2970	3140	3820	14600	26000	8880	3150	2890
28	2420	1610	2510	2180	3070	3210	3740	14600	26100	8250	3220	2940
29	2410	1780	2580	2390	---	3180	3690	14700	25700	e7750	3250	3440
30	2270	1800	2660	2520	---	2980	3750	14600	25700	e7300	3250	3350
31	2130	---	2610	2660	---	2860	---	14700	---	e6800	3130	---
TOTAL	81130	58330	67200	70130	74590	81590	93770	326960	704900	482890	115230	86300
MEAN	2617	1944	2168	2262	2664	2632	3126	10550	23500	15580	3717	2877
MAX	3270	2070	2790	2770	3070	3360	3960	15000	29300	26000	6450	3440
MIN	2130	1610	1580	1610	2340	2200	2170	3890	15100	6800	2970	2630
AC-FT	160900	115700	133300	139100	147900	161800	186000	648500	1398000	957800	228600	171200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1995, BY WATER YEAR (WY)

MEAN	3018	2868	2330	2300	2826	4607	7365	15460	18900	8006	3723	2828
MAX	7701	6490	5894	5739	7258	11430	18370	33940	46650	31630	11220	9960
(WY)	1983	1987	1987	1985	1962	1910	1962	1952	1921	1907	1907	1909
MIN	718	935	801	1000	1509	1617	2591	4212	2128	645	712	603
(WY)	1935	1935	1909	1910	1935	1963	1963	1990	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1906 - 1995	
ANNUAL TOTAL	1236550		2243020			
ANNUAL MEAN	3388		6145		6191	
HIGHEST ANNUAL MEAN					12280	1907
LOWEST ANNUAL MEAN					1805	1934
HIGHEST DAILY MEAN	11700	May 22	29300	Jun 19	66700	Jun 27 1917
LOWEST DAILY MEAN	1500	Jul 28	1580	Dec 15	380	Dec 5 1934
ANNUAL SEVEN-DAY MINIMUM	1520	Jul 25	1710	Nov 27	419	Jul 30 1934
ANNUAL RUNOFF (AC-FT)	2453000		4449000		4485000	
10 PERCENT EXCEEDS	7380		18000		15200	
50 PERCENT EXCEEDS	2660		2850		3410	
90 PERCENT EXCEEDS	1600		1990		1530	

e Estimated

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

WATER-QUALITY RECORDS

LOCATION.--Daily samples collected at bridge on U.S. Highways 50 and 6, in town of Green River, 0.7 mi from gaging station.

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

PERIOD OF DAILY RECORD.--

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

INSTRUMENTATION.--Water-quality monitor April 1985 to September 1989.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,250 microsiemens Dec. 1, 1967; minimum daily, 255 microsiemens June 30, 1978.
WATER TEMPERATURES: Maximum, 30.0°C Aug. 13, 1958; minimum, 0.0°C on many days during winter period each year.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 66,000 mg/L July 11, 1936; minimum daily, 19 mg/L Sept. 30, 1974.
SEDIMENT LOADS: Maximum daily, 2,230,000 tons July 11, 1936; minimum daily, 54 tons Sept. 27, 1956.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 1,100 microsiemens Nov. 26; minimum observed, 310 microsiemens June 21, 22.
WATER TEMPERATURES: Maximum observed, 26.0°C several days in August; minimum, 0.0°C many days during winter period.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 03...	1015	2220	870	8.4	15.5	15.0	--	8.5	647	270	65
NOV 14...	1130	1950	1020	8.4	0.0	5.0	36	10.7	662	330	76
MAR 20...	1315	2480	930	8.4	9.5	11.5	150	9.2	657	320	73
MAY 22...	1250	14600	465	8.2	27.0	17.0	--	8.0	651	160	37
JUN 23...	1130	24600	310	8.3	20.5	17.5	180	8.0	661	110	27
JUL 20...	1135	12300	380	8.2	24.5	21.0	--	7.4	660	130	33
SEP 28...	1130	2900	900	8.5	16.0	15.0	65	8.2	655	290	65

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 03...	27	79	38	2	2.9	--	--	--	250	27	0.30
NOV 14...	34	89	37	2	2.7	8	219	192	290	31	0.30
MAR 20...	34	91	38	2	3.3	9	214	190	270	32	0.30
MAY 22...	16	32	30	1	1.8	--	--	--	100	8.2	0.20
JUN 23...	9.7	17	25	0.7	1.2	0	106	87	55	5.9	0.20
JUL 20...	12	26	30	1	1.5	--	--	--	76	8.0	0.20
SEP 28...	31	80	37	2	2.7	7	203	178	250	25	0.30

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

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

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 03...	3.9	560	555	0.76	3360	0.060	--	<0.010	0.060	0.060
NOV 14...	6.4	692	646	0.94	3640	--	--	--	--	--
MAR 20...	6.0	648	625	0.88	4340	0.120	0.120	0.010	0.130	0.130
MAY 22...	9.4	280	278	0.38	11000	0.100	--	<0.010	0.100	0.100
JUN 23...	8.4	196	177	0.27	13000	0.100	0.100	0.010	0.110	0.110
JUL 20...	7.6	238	224	0.32	7900	0.080	--	<0.010	0.080	0.080
SEP 28...	5.1	598	567	0.81	4680	--	--	<0.010	--	<0.050

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 03...	0.140	0.18	--	--	--	--	--	--	<0.010	--
NOV 14...	--	--	--	--	--	--	--	--	--	--
MAR 20...	<0.015	--	0.30	0.30	--	0.43	0.070	<0.010	<0.010	--
MAY 22...	0.020	0.03	--	--	--	--	--	--	0.010	0.03
JUN 23...	0.020	0.03	0.48	0.50	--	0.61	0.170	0.040	0.020	0.06
JUL 20...	<0.015	--	--	--	--	--	--	--	0.010	0.03
SEP 28...	<0.015	--	0.30	0.30	<0.20	0.30	0.040	<0.010	<0.010	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 14...	1130	<10	82	<3	<3	38	2
MAR 20...	1315	<10	77	<3	6	34	<1
SEP 28...	1130	<10	75	<3	<3	37	<1

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 14...	<10	<1	2	<1.0	920	<6
MAR 20...	<10	1	3	<1.0	840	<6
SEP 28...	40	<1	1	<1.0	750	<6

09315000 GREEN RIVER AT GREEN RIVER, UT

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

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT 03...	1015	140	--
NOV 14...	1130	--	2
MAR 20...	1315	--	3
MAY 22...	1250	60	1
JUN 23...	1130	--	<1
JUL 20...	1135	70	<1
SEP 28...	1130	--	1

DATE	TIME	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)
JUN 23...	1130	0.05	1.0	0.0	0.020

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SEDI-TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SIEVE MENT, SUS-PENDED (MG/L)	DIS-DIAM. % FINER THAN .062 MM	CHARGE, SUS-PENDED (T/DAY)
NOV						
14...	1130	1950	5.0	120	96	632
14...	1131	1950	5.0	74	99	390
14...	1132	1950	5.0	106	98	558
14...	1133	1950	5.0	112	98	590
14...	1134	1950	5.0	113	100	595
14...	1135	1950	5.0	106	99	558
MAR						
20...	1315	2480	11.5	278	94	1860
20...	1316	2480	11.5	284	96	1900
20...	1317	2480	11.5	274	99	1830
20...	1318	2480	11.5	278	99	1860
20...	1319	2480	11.5	260	98	1740
20...	1320	2480	11.5	274	97	1830
JUN						
23...	1130	24600	17.5	976	68	64800
23...	1131	24600	17.5	846	61	56200
23...	1132	24600	17.5	696	75	46200
23...	1133	24600	17.5	606	83	40300
23...	1134	24600	17.5	644	83	42800
23...	1135	24600	17.5	754	74	50100
SEP						
28...	1130	2900	15.0	366	--	2870
28...	1131	2900	15.0	120	--	940
28...	1132	2900	15.0	124	--	971
28...	1133	2900	15.0	125	--	979
28...	1134	2900	15.0	183	--	1430
28...	1135	2900	15.0	184	--	1440

09315000 GREEN RIVER AT GREEN RIVER, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	950	---	850	890	900	860	750	490	365	560	---
2	1060	950	---	920	890	860	860	770	510	385	570	990
3	870	970	1020	870	880	870	870	760	500	365	580	---
4	860	980	1000	890	950	860	870	770	485	365	---	830
5	850	960	---	900	910	870	880	770	490	380	---	840
6	---	950	1030	---	870	870	890	780	440	375	---	850
7	---	950	990	970	870	880	890	750	420	---	610	840
8	1030	970	940	960	870	910	890	700	400	390	620	840
9	1060	950	930	1050	870	910	880	680	385	---	620	---
10	1010	1030	---	950	890	920	900	690	370	355	630	850
11	980	1010	910	960	---	920	880	690	355	355	640	870
12	960	1020	920	930	850	---	---	660	340	355	680	860
13	980	1020	940	920	840	930	850	670	350	330	710	900
14	1050	1020	970	910	880	1010	810	650	360	330	770	920
15	---	1010	950	880	890	940	780	710	365	340	720	880
16	1010	1000	970	860	960	930	740	680	385	355	750	870
17	960	1000	960	850	930	950	---	590	375	365	830	860
18	900	1000	980	870	910	960	700	590	345	375	790	890
19	910	1010	990	880	910	980	700	590	330	385	7900	880
20	890	980	980	---	920	960	720	560	320	410	770	880
21	1040	1010	970	870	940	950	770	520	310	410	780	890
22	1080	1040	960	880	960	930	770	---	310	440	800	900
23	1000	1010	---	900	980	910	720	460	330	435	800	880
24	980	970	950	900	970	910	730	460	---	---	810	---
25	970	960	1070	940	950	---	720	455	320	---	900	900
26	950	1100	980	940	940	850	700	475	320	495	---	910
27	---	1070	930	960	940	850	710	495	---	490	830	910
28	---	1000	940	1020	930	850	---	495	340	495	840	910
29	920	---	920	950	---	850	---	485	350	505	830	1050
30	930	---	890	930	---	880	760	490	355	530	840	1000
31	940	---	870	920	---	870	---	485	---	545	830	---
MEAN	968	996	960	918	911	906	802	621	380	405	1000	892

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	9.0	---	.0	3.0	9.0	11.0	15.0	15.0	20.0	25.0	---
2	18.0	8.5	---	.0	4.0	9.5	12.0	15.0	16.0	19.0	25.0	22.0
3	16.0	8.0	1.0	.0	4.0	9.0	12.0	16.0	16.0	20.0	25.0	---
4	15.0	7.0	1.0	.0	4.5	10.0	13.0	17.0	17.0	19.0	---	25.0
5	13.5	8.0	---	.0	4.0	9.0	14.0	14.0	18.0	20.0	---	25.0
6	---	4.0	2.0	---	4.0	8.5	15.0	14.0	18.0	20.0	---	25.0
7	---	8.0	1.0	.0	4.0	8.0	14.0	13.0	16.0	---	26.0	25.0
8	14.0	8.0	1.0	.0	3.5	9.0	15.0	13.0	15.0	22.0	26.0	25.0
9	15.0	8.0	.0	.0	5.0	9.0	14.0	14.0	16.0	---	26.0	---
10	15.0	8.0	---	.0	5.0	10.0	13.0	15.0	17.0	23.0	26.0	22.5
11	15.0	8.0	.0	1.5	---	10.0	13.0	15.0	17.5	24.0	25.0	23.0
12	14.0	8.0	.0	3.0	5.0	---	---	15.0	17.0	23.0	25.0	21.0
13	15.0	8.0	.0	2.0	5.0	10.0	14.0	14.0	21.0	23.0	25.0	21.0
14	14.0	7.0	.0	2.0	4.5	12.0	14.0	15.0	18.0	22.0	25.0	22.0
15	---	6.0	.0	3.0	5.0	11.0	13.0	15.0	20.0	22.0	26.0	24.0
16	11.0	4.5	.0	3.0	5.0	13.0	13.0	16.0	18.5	22.5	24.0	23.0
17	11.0	4.5	.0	3.0	3.5	15.0	---	15.0	18.0	23.0	25.0	21.0
18	11.0	3.0	.0	1.5	5.0	14.0	11.0	16.0	16.5	23.0	25.0	21.0
19	12.0	3.0	.0	1.0	5.0	14.0	11.0	17.0	17.5	23.0	25.0	20.0
20	12.0	3.0	.0	---	6.0	14.0	11.0	17.0	18.0	23.0	24.0	20.0
21	12.0	3.0	.0	1.0	6.5	13.0	12.0	18.0	18.0	23.5	24.0	18.0
22	10.0	3.0	.0	2.0	7.0	13.0	11.5	---	19.0	23.0	25.0	---
23	12.0	3.0	---	.0	7.0	12.0	14.5	17.0	19.0	23.0	25.5	17.0
24	12.0	3.0	.0	.0	8.0	11.0	14.5	17.0	---	---	26.0	---
25	13.0	3.0	.0	1.0	8.5	---	15.0	15.0	20.0	---	25.0	16.0
26	12.0	2.0	.0	2.5	10.0	10.0	15.0	15.0	21.0	24.0	---	18.0
27	---	2.0	2.0	4.0	10.0	10.0	15.5	14.0	---	25.0	---	18.0
28	---	1.0	1.0	3.0	10.0	10.0	---	16.0	21.0	25.0	25.0	18.0
29	12.0	---	1.0	3.0	---	8.0	---	16.0	20.0	25.0	26.0	17.0
30	12.0	---	2.0	3.0	---	10.0	16.0	17.0	20.0	25.0	26.0	16.0
31	10.0	---	1.0	2.5	---	10.0	---	17.0	---	25.0	26.0	---
MEAN	13.1	5.4	0.5	1.5	5.6	10.7	13.4	15.4	18.0	22.6	25.2	20.9

09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in $NE^1/_4NE^1/_4SE^1/_4$ sec. 14, T. 14 S., R. 6 E., Emery County, Hydrologic Unit 14060009, 25 mi northwest of Huntington, 21 mi east of Fairview.

DRAINAGE AREA.--31.0 mi^2.

PERIOD OF RECORD.--November 1973 to current year. Not published prior to 1986. Records available from Utah Power & Light Co.

GAGE.--Elevation of gage is 8,300 ft above sea level, Utah Power and Light Co. datum.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 27,630 acre-ft June 19-21, elevation, 8,568.88 ft; minimum, 12,170 acre-ft Apr. 4, elevation, 8,517.52 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13720	13470	13130	12810	12570	12320	12190	12570	17730	26840	27480	26610
2	13710	13460	13120	12800	12570	12310	12180	12650	18150	26940	27450	26520
3	13690	13450	13110	12800	12510	12310	12180	12680	18580	27080	27430	26430
4	13690	13440	13100	12800	12490	12300	12170	12720	19060	27170	27410	26340
5	13680	13420	13090	12800	12480	12300	12190	12770	19550	27240	27390	26240
6	13680	13410	13080	12790	12470	12300	12230	12820	20090	27290	27370	26130
7	13670	13400	13070	12790	12470	12290	12250	12850	20480	27340	27340	26030
8	13670	13380	13060	12780	12470	12290	12270	12910	20480	27390	27310	25920
9	13650	13370	13050	12770	12460	12280	12290	12950	21070	27440	27290	25810
10	13640	13350	13040	12770	12450	12280	12300	13030	21290	27470	27270	25700
11	13620	13340	13040	12770	12450	12270	12320	13130	21530	27540	27250	25600
12	13610	13340	13040	12760	12430	12270	12350	13260	21890	27550	27230	25460
13	13600	13330	13020	12750	12420	12270	12360	13330	22400	27570	27210	25320
14	13590	13310	13020	12750	12410	12260	12370	13400	22920	27590	27190	25180
15	13590	13300	13000	12750	12400	12260	12390	13500	23380	27610	27180	25040
16	13590	13300	13000	12730	12390	12250	12390	13600	23770	27610	27150	24900
17	13580	13300	12990	12720	12390	12250	12390	13780	24100	27620	27150	24770
18	13570	13300	12970	12710	12380	12240	12400	13960	24380	27620	27120	24630
19	13570	13290	12960	12700	12370	12240	12410	14180	24470	27630	27090	24480
20	13560	13270	12950	12690	12360	12240	12420	14490	24940	27630	27070	24310
21	13560	13260	12940	12680	12360	12230	12430	14810	25190	27630	27050	24140
22	13550	13240	12930	12660	12350	12230	12430	15050	25400	27620	27040	23960
23	13550	13230	12920	12650	12350	12220	12440	15290	25620	27610	27040	23780
24	13540	13220	12900	12650	12340	12220	12440	15530	25500	27610	27040	23630
25	13530	13200	12890	12640	12330	12220	12440	15780	25630	27600	27030	23440
26	13520	13200	12880	12640	12320	12210	12440	16030	25790	27590	27010	23280
27	13520	13190	12870	12620	12320	12210	12450	16290	25950	27570	26980	23100
28	13510	13190	12860	12610	12320	12200	12470	16540	26500	27560	26950	22950
29	13500	13170	12840	12590	---	12200	12480	16800	26610	27540	26890	22830
30	13490	13160	12830	12580	---	12190	12540	17060	26740	27520	26800	22680
31	13480	---	12820	12580	---	12190	---	17330	---	27500	26700	---
MAX	13720	13470	13130	12810	12570	12320	12540	17330	26740	27630	27480	26610
MIN	13480	13160	12820	12580	12320	12190	12170	12570	17730	26840	26700	22680
(#)	8523.08	8521.75	8520.32	8519.27	8518.15	8517.59	8519.11	8537.68	8564.74	8566.58	8564.64	8554.19
(*)	-240	-320	-340	-240	-260	-130	+350	+4790	+9410	+760	-800	-4020

CAL YR 1994 . . . . . (*) -4380
WTR YR 1995 . . . . . (*) +8960

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

09317997 HUNTINGTON CREEK NEAR HUNTINGTON, UT

LOCATION.--Lat 39°23'07", long 111°05'15", in $SE^1/_4NE^1/_4SW^1/_4$, sec. 36, T. 16 S., R. 7 E., Emery County, Hydrologic Unit 14060009, on right bank about 500 ft upstream from bridge to Deer Creek Mine, 8 mi northwest of Huntington.

DRAINAGE AREA.--178 mi^2, approximately.

PERIOD OF RECORD.--October 1979 to current year. Water years 1981-85 not published, records available in office of Utah Power & Light Co., located in Salt Lake City, Ut.

GAGE.--Water-stage recorder. Elevation of gage is 6,450 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions to tributaries of San Pitch River (Sevier Lake Basin). Flow regulated by reservoirs above station.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--12 years, 74.1 ft^3/s, 53,680 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,680 ft^3/s May 24, 1984, gage height, 4.96 ft; minimum, 3.0 ft^3/s Feb. 2-5, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 750 ft^3/s June 28, gage height, 4.41 ft; minimum daily discharge, 10 ft^3/s Nov. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	19	21	12	18	17	21	61	250	513	112	75
2	47	22	19	14	18	18	22	96	282	474	108	80
3	52	18	19	16	16	17	21	82	281	542	107	91
4	50	17	20	17	16	17	21	73	302	452	107	77
5	38	18	20	19	16	18	24	81	363	393	109	78
6	38	17	19	18	18	17	26	73	453	330	106	85
7	35	18	17	15	20	19	27	66	337	239	104	81
8	33	18	12	16	21	20	29	67	278	225	124	80
9	35	17	11	15	22	20	25	78	229	226	124	81
10	36	17	13	16	20	19	23	95	196	238	132	82
11	33	18	16	18	18	22	22	97	221	242	144	85
12	23	20	16	15	18	22	23	110	292	241	148	81
13	24	19	18	20	17	21	25	89	392	213	144	98
14	27	14	18	18	18	20	28	83	461	193	145	96
15	29	14	17	18	12	22	26	92	456	178	137	98
16	29	18	17	17	18	22	28	111	370	164	78	98
17	31	14	17	15	21	26	27	160	323	165	87	101
18	31	17	17	17	21	24	25	156	271	158	66	104
19	27	17	18	15	19	30	26	173	298	145	73	102
20	26	15	16	14	19	26	25	208	336	142	80	113
21	24	18	17	19	18	26	25	261	384	128	81	118
22	24	12	16	17	18	26	24	287	413	123	116	116
23	24	10	18	14	16	24	24	270	442	122	120	118
24	25	11	19	18	13	25	24	223	460	122	81	120
25	27	13	18	18	13	24	26	202	455	120	79	118
26	24	14	17	17	14	24	29	173	494	117	81	115
27	19	11	16	16	17	22	31	161	558	115	79	117
28	20	12	17	13	17	22	34	147	628	115	86	120
29	20	11	20	13	---	22	39	146	614	112	76	108
30	20	15	16	15	---	22	78	155	490	112	68	113
31	19	---	12	20	---	21	---	207	---	111	72	---
TOTAL	939	474	527	505	492	675	828	4283	11329	6770	3174	2949
MEAN	30.3	15.8	17.0	16.3	17.6	21.8	27.6	138	378	218	102	98.3
MAX	52	22	21	20	22	30	78	287	628	542	148	120
MIN	19	10	11	12	12	17	21	61	196	111	66	75
AC-FT	1860	940	1050	1000	976	1340	1640	8500	22470	13430	6300	5850

CAL YR 1994	TOTAL	16206.9	MEAN	44.4	MAX	144	MIN	8.9	AC-FT	32150
WTR YR 1995	TOTAL	32945	MEAN	90.3	MAX	628	MIN	10	AC-FT	65350

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in $SE^1/_4SE^1/_4SE^1/_4$ sec. 14, T. 17 S., R. 4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

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

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

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e.00	e.70	e11	21	6.8	1.2
2	---	---	---	---	---	---	e.00	e.68	e14	2.3	6.3	1.3
3	---	---	---	---	---	---	e.00	e.68	e12	2.4	6.0	1.2
4	---	---	---	---	---	---	e.00	e.66	e17	2.0	5.8	.90
5	---	---	---	---	---	---	e.00	e1.2	e21	1.5	5.2	.84
6	---	---	---	---	---	---	e.00	e1.1	e23	1.7	4.7	1.1
7	---	---	---	---	---	---	e.00	e1.0	e18	1.8	4.2	.73
8	---	---	---	---	---	---	e.00	e1.1	e16	1.7	4.0	.62
9	---	---	---	---	---	---	e.00	e1.3	e13	1.4	3.9	.58
10	---	---	---	---	---	---	e.00	e1.7	e12	1.5	4.0	.53
11	---	---	---	---	---	---	e.00	e1.8	e17	1.5	5.8	.49
12	---	---	---	---	---	---	e.00	e1.6	e25	1.3	4.5	.45
13	---	---	---	---	---	---	e.00	e1.5	e31	1.0	4.0	.38
14	---	---	---	---	---	---	e.00	e1.5	e33	1.0	3.6	.37
15	---	---	---	---	---	---	e.00	e2.1	e36	2.1	3.1	.35
16	---	---	---	---	---	---	e.03	e2.3	e39	5.2	4.6	.31
17	---	---	---	---	---	---	e.08	e2.2	e42	6.3	3.3	.32
18	---	---	---	---	---	---	e.16	e2.1	e46	4.7	2.9	.32
19	---	---	---	---	---	---	e.23	e2.9	e44	3.2	2.5	.30
20	---	---	---	---	---	---	e.29	e4.5	e43	5.8	2.3	.28
21	---	---	---	---	---	---	e.35	e6.8	46	8.9	e4.4	.25
22	---	---	---	---	---	---	e.39	e8.4	42	6.3	e2.3	.20
23	---	---	---	---	---	---	e.45	e8.2	39	3.6	e2.4	.18
24	---	---	---	---	---	---	e.50	e6.9	48	3.1	e2.2	.17
25	---	---	---	---	---	---	e.59	e5.8	50	2.9	e2.1	.16
26	---	---	---	---	---	---	e.70	e5.2	e48	3.8	e1.9	.17
27	---	---	---	---	---	---	e.75	e4.7	e48	4.6	e1.8	.15
28	---	---	---	---	---	---	e.78	e4.3	e48	4.0	e1.7	.19
29	---	---	---	---	---	---	e.74	e4.3	e44	4.9	e1.6	.17
30	---	---	---	---	---	---	e.72	e4.8	41	8.1	1.3	.21
31	---	---	---	---	---	---	---	e7.0	---	7.6	1.2	---
TOTAL	---	---	---	---	---	---	6.76	99.02	967	127.2	110.4	14.42
MEAN	---	---	---	---	---	---	.23	3.19	32.2	4.10	3.56	.48
MAX	---	---	---	---	---	---	.78	8.4	50	21	6.8	1.3
MIN	---	---	---	---	---	---	.00	.66	11	1.0	1.2	.15
AC-FT	---	---	---	---	---	---	13	196	1920	252	219	29

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 Aug. 24, 1960, at datum about 0.3 ft higher.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111 ft^3/s July 23, 1965; possibly no flow at times in some years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.41	.66	10	24	6.5	2.6
2	---	---	---	---	---	---	.43	.65	13	24	6.0	3.3
3	---	---	---	---	---	---	.44	.65	11	24	5.8	2.6
4	---	---	---	---	---	---	.48	e.64	16	21	5.5	2.5
5	---	---	---	---	---	---	.59	1.1	20	21	5.2	2.6
6	---	---	---	---	---	---	.67	.99	22	22	4.9	2.7
7	---	---	---	---	---	---	.71	.95	17	22	4.7	2.3
8	---	---	---	---	---	---	.77	1.0	14	22	4.5	2.2
9	---	---	---	---	---	---	.73	1.2	12	22	4.3	2.2
10	---	---	---	---	---	---	.71	1.6	11	22	4.3	2.1
11	---	---	---	---	---	---	.70	1.7	16	22	4.6	2.1
12	---	---	---	---	---	---	.68	1.5	23	22	4.3	2.0
13	---	---	---	---	---	---	.72	1.4	29	21	4.1	2.0
14	---	---	---	---	---	---	.72	1.4	31	20	3.9	2.0
15	---	---	---	---	---	---	.71	2.0	e26	19	3.7	2.0
16	---	---	---	---	---	---	.71	2.2	e22	18	5.9	1.9
17	---	---	---	---	---	---	.67	2.1	e19	19	4.1	2.0
18	---	---	---	---	---	---	.69	2.0	12	20	3.8	2.0
19	---	---	---	---	---	---	.65	2.7	2.0	18	3.6	1.9
20	---	---	---	---	---	---	.65	4.2	2.2	17	3.7	1.9
21	---	---	---	---	---	---	.66	6.8	2.4	16	5.7	1.8
22	---	---	---	---	---	---	.62	8.0	1.4	14	3.7	1.8
23	---	---	---	---	---	---	.62	7.9	2.5	13	3.8	1.8
24	---	---	---	---	---	---	.61	6.5	13	13	3.5	1.7
25	---	---	---	---	---	---	.62	5.6	27	11	3.2	1.7
26	---	---	---	---	---	---	.68	4.9	26	10	3.1	1.7
27	---	---	---	---	---	---	.72	4.5	26	9.2	3.0	1.7
28	---	---	---	---	---	---	.72	4.2	26	8.5	2.9	1.8
29	---	---	---	---	---	---	.68	4.2	24	7.9	2.8	1.8
30	---	---	---	---	---	---	.67	4.5	23	7.4	2.7	2.0
31	---	---	---	---	---	---	---	6.4	---	7.0	2.6	---
TOTAL	---	---	---	---	---	---	19.44	94.14	499.5	537.0	130.4	62.7
MEAN	---	---	---	---	---	---	.65	3.04	16.6	17.3	4.21	2.09
MAX	---	---	---	---	---	---	.77	8.0	31	24	6.5	3.3
MIN	---	---	---	---	---	---	.41	.64	1.4	7.0	2.6	1.7
AC-FT	---	---	---	---	---	---	39	187	991	1070	259	124

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39o17'20", long 111o16'10", in NW1/4NE1/4 sec. 5, T. 18 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on Seeley Creek 5.2 mi upstream from Cottonwood Creek, and 12.6 mi west of Orangeville.

DRAINAGE AREA.--146 mi2.

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

GAGE.--Water-stage recorder in control house at downstream end of outlet tunnel. Datum of gage is sea level (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by earthfill rock-faced dam. Storage began Nov. 3, 1965. Usable capacity, 54,610 acre-ft between elevations 6,910.0 and 6,989.7 ft above mean sea level. Dead storage, 870 acre-ft between elevations 6,817.0 and 6,866.5 ft. Inactive storage, 6,980 acre-ft between elevations 6,866.5 and 6,910.0 ft. Figures given herein represent total contents. Water is used for irrigation. Huntington North Reservoir, a small off-channel reservoir near Huntington, is operated in conjunction with Joes Valley Reservoir; records not included.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 66,030 acre-ft June 20, 21, 1983; minimum observed since reservoir was first filled, 7,710 acre-ft Oct. 1, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 64,270 acre-ft July 4, elevation, 6,992.4 ft; minimum observed, 28,760 acre-ft, Oct. 18, elevation, 6,954.7 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep. 30	6,955.4	30,290	--
Oct. 31	6,954.8	28,830	-1,460
Nov.30	--	*29,470	+640
Dec. 31	6,956.0	29,680	+210
CAL YR 1994	--	--	-13,050
Jan. 31	6,956.4	29,970	+290
Feb. 28	6,956.7	30,190	+220
Mar. 31	6,957.1	30,480	+290
Apr. 30	6,957.6	30,840	+360
May 31	6,961.1	33,480	+2,640
June 30	6,992.3	64,150	+30,670
July 31	6,989.9	61,310	-2,840
Aug. 31	6,984.2	54,860	-6,450
Sep. 30	6,977.9	48,240	-6,620
WTR YR 1995	--	--	+17,950

* No gage-height reading, contents interpolated.

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE1/4SE$^1/_4$SW$^1/_4$ sec. 2, T. 20 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on right bank 1.8 mi upstream from Dry Wash and 4.5 mi west of Ferron.

DRAINAGE AREA.--138 mi^2.

PERIOD OF RECORD.--May 1911 to September 1923, October 1947 to current year. Monthly discharge only for some periods, published in WSP 1313. Records for station at site 2 mi downstream published as Ferron Creek near Ferron, Apr. 1909 to Oct. 1911, not equivalent because of diversions 1.5 mi downstream from present site.

REVISED RECORDS.--WSP 1243: 1951(P). WSP 1313: 1920(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,210 ft above sea level, from topographic map. May 6, 1911 to Sept. 30, 1923, nonrecording gages in vicinity of present site at different datums. Dec. 19, 1947 to Sept. 30, 1966, at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Slight regulation by small reservoir above station (capacity not known). Small diversions above station for irrigation, including a transmountain diversion to tributary of San Pitch River (Sevier Lake basin). Greater part of flow diverted during irrigation season by Upper North and Upper South Canals, 1.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,180 ft$^3/_s$ Aug. 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft$^3/_s$ on basis of slope-area measurements at gage heights 8.70 ft and 9.71 ft; site and datum then in use; no flow Oct. 19-21, 1976.

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

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
June 14	2134	874	6.21	Aug. 23	1449	*879	*6.22
June 26	2100	727	5.91				

Minimum daily discharge, 3.6 ft$^3/_s$ Feb. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	e6.2	e7.4	e5.6	e8.0	e6.9	e11	67	284	470	82	38
2	12	e5.8	e8.2	e6.4	e8.7	e7.5	14	144	321	456	79	40
3	13	e5.6	e8.5	e6.8	e7.7	e7.5	15	87	305	491	77	44
4	16	e5.5	e9.0	e6.8	e6.0	e8.0	19	77	353	426	77	37
5	14	e5.8	e9.0	e8.2	e6.2	e7.5	23	74	420	386	73	52
6	13	e6.2	e8.2	e9.0	e6.0	e6.4	27	62	432	362	69	48
7	12	e6.5	e7.0	e10	e6.4	e5.4	28	57	376	342	66	37
8	11	e6.7	e6.1	e11	e5.0	e6.4	30	62	343	326	65	36
9	10	e6.2	e5.2	e13	e5.3	e7.3	25	79	306	309	65	36
10	9.9	e6.4	e5.9	e12	e5.4	e7.9	22	97	300	305	75	35
11	9.7	e6.8	e6.5	e12	e5.0	e8.8	20	105	347	286	100	33
12	9.4	e7.2	e6.5	e11	e5.0	e8.0	22	126	422	270	68	32
13	9.1	e6.8	e7.3	e12	e5.3	e8.0	26	90	559	246	63	32
14	11	e6.4	e7.0	e12	e4.5	e8.0	25	81	667	228	60	32
15	11	e6.0	e6.6	e13	e3.6	e8.7	22	96	611	214	55	31
16	11	e6.2	e7.4	e11	e4.4	e8.6	20	112	476	203	55	31
17	12	e6.3	e7.6	e8.3	e5.5	e8.4	21	111	413	193	55	33
18	12	e6.5	e7.6	e8.5	e6.2	e8.5	21	125	377	184	51	34
19	10	e6.7	e7.4	e8.8	e7.0	e8.3	24	149	413	171	49	32
20	10	e6.5	e7.9	e8.5	e8.0	e8.8	22	190	456	160	50	31
21	10	e6.5	e8.8	e8.5	e7.6	e11	21	227	494	150	97	31
22	11	e6.3	e9.6	e8.5	e7.3	e9.0	21	240	488	141	75	29
23	9.8	e6.4	e9.6	e8.0	e7.6	e8.0	22	228	495	133	108	29
24	9.8	e6.6	e9.4	e8.3	e7.6	e7.0	22	214	529	127	80	29
25	9.7	e6.6	e8.8	e8.7	e7.3	e7.3	26	211	562	120	49	29
26	9.5	e6.8	e8.3	e9.1	e8.0	e7.0	29	202	587	112	44	30
27	10	e6.4	e7.7	e8.4	e8.0	e7.0	31	179	554	106	42	28
28	9.8	e6.2	e8.3	e7.3	e7.5	e8.0	33	161	586	102	42	35
29	9.4	e6.6	e8.7	e6.5	---	e9.0	42	164	565	97	40	35
30	8.6	e7.2	e8.4	e6.9	---	e8.8	106	178	484	91	39	27
31	e5.2	---	e6.6	e7.3	---	e10	---	229	---	87	38	---
TOTAL	331.9	191.9	240.5	281.4	180.1	247.0	790	4224	13525	7294	1988	1026
MEAN	10.7	6.40	7.76	9.08	6.43	7.97	26.3	136	451	235	64.1	34.2
MAX	16	7.2	9.6	13	8.7	11	106	240	667	491	108	52
MIN	5.2	5.5	5.2	5.6	3.6	5.4	11	57	284	87	38	27
AC-FT	658	381	477	558	357	490	1570	8380	26830	14470	3940	2040

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-95, BY WATER YEAR (WY)

MEAN	17.9	13.5	10.6	8.78	9.69	13.5	44.7	218	295	102	42.4	24.1
MAX	70.2	32.2	21.5	13.7	20.0	26.4	128	486	732	404	128	51.0
(WY)	1917	1985	1985	1921	1922	1986	1985	1952	1984	1983	1983	1952
MIN	7.59	6.40	4.27	3.00	4.61	5.02	13.7	44.8	40.3	17.2	12.0	9.30
(WY)	1960	1995	1963	1963	1978	1977	1967	1977	1977	1977	1977	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1912-23, 1948-95	
ANNUAL TOTAL	12328.0		30319.8			
ANNUAL MEAN	33.8		83.1		66.7	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	265	May 15	667	Jun 14	1240	Jun 7 1984
LOWEST DAILY MEAN	5.2	Oct 31	3.6	Feb 15	1.0	Mar 22 1912
ANNUAL SEVEN-DAY MINIMUM	5.8	Oct 31	4.7	Feb 10	2.6	Jan 4 1960
ANNUAL RUNOFF (AC-FT)	24450		60140		48340	
10 PERCENT EXCEEDS	103		305		197	
50 PERCENT EXCEEDS	11		14		18	
90 PERCENT EXCEEDS	6.8		6.4		8.0	

e Estimated

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT

LOCATION.--Lat 38°51'30", long 110°22'10", in $SE^1/_4SE^1/_4NW^1/_4$ sec. 34, T. 22 S., R. 14 E., Emery County, Hydrologic Unit 14060009, on left bank 300 ft upstream from bridge on State Highway 24, 14.0 mi southwest of Green River, and 34.3 mi upstream from mouth.

DRAINAGE AREA.--1,628 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1909 to September 1918, September 1919 to July 1920 (gage heights only), October 1945 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,190 ft above sea level, from topographic map. May 5, 1909 to Sept. 10, 1918, staff gage, and Sept. 10, 1919 to July 10, 1920, tape-weight gage. Nov. 29, 1945 to July 7, 1976, water-stage recorder at various sites and datums about 1 mi upstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 42,000 acres. Several small transmountain diversions from tributaries for irrigation in Sevier Lake basin, and some storage since Nov. 3, 1965, in Joes Valley Reservoir (see station 09323900).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft^3/s Sept. 2, 1909, gage height, 12.7 ft, site and datum then in use, from rating curve extended above 3,100 ft^3/s; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 1	0535	1,720	9.14	July 5	2201	*1,960	*10.77

Minimum daily discharge, 6.0 ft^3/s Apr. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	877	23	e17	e18	e21	30	16	19	62	1390	81	81
2	124	24	e17	e19	e24	31	16	23	57	1640	74	68
3	67	23	e18	e18	e25	32	14	23	75	1860	61	60
4	44	25	e21	e20	e24	26	13	21	131	1810	56	65
5	31	26	e24	e23	e25	29	13	24	128	1850	58	74
6	30	26	e23	e20	e25	29	13	20	139	1810	54	550
7	29	24	e23	e19	e25	27	12	17	207	1430	53	379
8	26	24	e20	e21	e24	28	12	15	e210	1190	54	135
9	24	22	e18	e24	e27	26	11	15	e150	1130	44	83
10	20	22	e17	e25	e29	24	10	17	140	1060	41	224
11	19	22	e17	e23	e27	22	9.9	18	114	1020	49	142
12	19	23	e20	e23	e30	23	9.5	25	92	977	298	85
13	21	23	e24	e24	e30	25	9.7	30	79	895	378	69
14	21	23	e22	e24	e31	29	9.5	65	108	839	205	62
15	47	23	e23	e23	e29	28	9.2	43	151	750	132	61
16	130	21	e24	e22	e30	26	10	40	207	597	106	62
17	261	20	e26	e21	e32	23	10	35	201	462	92	59
18	153	22	e25	e20	33	23	11	37	188	393	75	57
19	68	27	e25	e21	33	24	13	36	256	425	63	107
20	48	31	e25	e21	32	26	55	42	436	344	56	60
21	40	27	e23	e20	32	23	62	35	520	295	45	57
22	34	25	e25	e19	32	21	38	28	658	246	73	56
23	31	e23	e27	e18	31	20	32	46	728	208	122	54
24	29	e19	e28	e20	32	18	28	60	776	195	196	60
25	29	16	e30	e24	31	20	23	67	813	173	668	60
26	27	e20	e29	e27	31	17	19	83	844	145	209	61
27	30	e18	e29	e25	32	17	18	104	854	132	126	62
28	29	e18	e27	e23	31	17	18	101	927	122	103	67
29	30	e16	e25	e21	---	16	18	78	1170	109	98	149
30	29	e18	e23	e22	---	16	18	70	1280	97	104	295
31	26	---	e21	e23	---	16	---	63	---	88	100	---
TOTAL	2393	674	716	671	808	732	550.8	1300	11701	23682	3874	3404
MEAN	77.2	22.5	23.1	21.6	28.9	23.6	18.4	41.9	390	764	125	113
MAX	877	31	30	27	33	32	62	104	1280	1860	668	550
MIN	19	16	17	18	21	16	9.2	15	57	88	41	54
AC-FT	4750	1340	1420	1330	1600	1450	1090	2580	23210	46970	7680	6750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-95, BY WATER YEAR (WY)

MEAN	92.3	66.6	46.7	43.8	71.8	106	108	311	566	160	90.3	73.7
MAX	848	358	125	224	200	729	748	1626	2772	965	344	309
(WY)	1917	1958	1910	1911	1910	1910	1910	1914	1983	1983	1916	1961
MIN	.85	5.68	11.8	13.1	20.9	23.3	6.84	3.72	1.09	.25	.38	.11
(WY)	1957	1978	1978	1991	1977	1976	1977	1977	1977	1994	1960	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1910-18, 1946-95	
ANNUAL TOTAL	9290.54		50505.8			
ANNUAL MEAN	25.5		138		145	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					17.6	1990
HIGHEST DAILY MEAN	877	Oct 1	1860	Jul 3	7300	Oct 8 1916
LOWEST DAILY MEAN	.00	Jul 13	9.2	Apr 15	.00	Aug 24 1910
ANNUAL SEVEN-DAY MINIMUM	.00	Jul 13	9.7	Apr 10	.00	Aug 15 1915
ANNUAL RUNOFF (AC-FT)	18430		100200		104700	
10 PERCENT EXCEEDS	42		316		312	
50 PERCENT EXCEEDS	20		29		50	
90 PERCENT EXCEEDS	.00		18		11	

e Estimated

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1946 to September 1949, October 1950 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July to September 1949, November 1950 to September 1962, October 1964 to September 1979, daily, October 1979 to September 1980, March 1982 to current year.

WATER TEMPERATURES: July to September 1949, October 1950 to September 1962, October 1964 to September 1978.

SUSPENDED-SEDIMENT DISCHARGE: March 1948 to September 1949, October 1950 to September 1959.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily (water years 1949, 1951-70, 1974-76), 7,230 microsiemens July 15, 1954, and June 29, 1977; minimum daily (water years 1949, 1951-76), 689 microsiemens June 29, 1957.

WATER TEMPERATURES: Maximum (water years 1949, 1951-61, 1966-76), 35.0°C July 11, 1954; minimum, 0.0°C on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 4,300 microsiemens May 1; minimum observed, 690 microsiemens July 11.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 05...	1030	31	2860	8.2	15.5	13.5	8.5	643	1000	260
NOV 21...	1055	27	3670	8.3	1.5	2.0	11.6	655	1300	260
MAR 27...	1215	17	3860	8.4	13.5	9.0	10.1	655	1400	270
MAY 31...	1200	66	2850	8.2	25.5	17.0	8.0	657	940	160
JUN 30...	1100	1260	740	8.2	21.0	17.5	--	--	--	--
JUL 24...	1045	192	1650	8.2	28.0	20.0	7.2	658	--	--
AUG 17...	1130	98	2370	8.3	23.0	21.5	--	--	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT 05...	88	320	40	4	12	0	257	211	1400	51
NOV 21...	170	420	40	5	8.9	0	377	309	1800	72
MAR 27...	170	430	40	5	11	14	337	300	1900	95
MAY 31...	130	340	44	5	8.7	0	325	266	1300	51
JUN 30...	--	--	--	--	--	--	--	--	--	--
JUL 24...	--	--	--	--	--	--	--	--	--	--
AUG 17...	--	--	--	--	--	--	--	--	--	--

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
OCT 05...	0.40	7.6	2420	2270	3.29	205	0.430	0.430	0.020
NOV 21...	0.30	7.4	3160	2920	4.30	234	0.140	--	<0.010
MAR 27...	0.30	6.0	3440	3060	4.68	162	--	--	<0.010
MAY 31...	0.30	6.5	2390	2160	3.25	427	0.050	--	<0.010
JUN 30...	--	--	--	--	--	--	--	--	--
JUL 24...	--	--	--	--	--	--	--	--	--
AUG 17...	--	--	--	--	--	--	--	--	--

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

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

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)
OCT 05...	0.450	0.450	0.020	0.03	1.4	1.4	1.9	0.720	<0.010
NOV 21...	0.140	0.140	<0.015	--	0.50	0.50	0.64	0.080	<0.010
MAR 27...	--	<0.050	0.030	0.04	0.27	0.30	0.30	0.010	<0.010
MAY 31...	0.050	0.050	0.050	0.06	0.75	0.80	0.85	0.250	<0.010
JUN 30...	--	--	--	--	0.40	0.40	0.40	0.140	--
JUL 24...	--	--	--	--	0.30	0.30	0.30	<0.010	--
AUG 17...	--	--	--	--	1.2	1.2	1.2	0.710	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
JUN 30...	1100	6	<10	1	19	31	27000

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI)	SELE-NIUM, TOTAL (UG/L AS SE)
JUN 30...	28	1	37	120	15000	90	2

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
OCT 05...	1030	230
NOV 21...	1055	340
MAR 27...	1215	350
MAY 31...	1200	280

DATE	TIME	CARBON, CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	ORGANIC SUS-PENDED TOTAL (MG/L AS C)
MAR 27...	1215	4.8	0.30
JUN 30...	1100	3.9	>5.0
JUL 24...	1045	5.4	1.6

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2880	---	---	---	2920	---	---	4300	2710	---	---	2370
2	---	---	---	3200	3130	---	3730	4200	2760	---	2100	---
3	---	---	4100	---	---	3320	3800	---	---	810	2130	---
4	---	---	3780	---	---	---	---	---	---	790	---	---
5	2980	---	---	---	---	---	---	---	1970	740	---	---
6	---	---	---	---	---	---	---	---	1910	720	---	---
7	---	---	3450	---	---	---	---	3500	1710	---	---	---
8	---	3650	---	3490	2940	3700	---	3630	2200	700	2310	---
9	3310	3640	---	3150	---	3860	3920	---	---	700	---	2480
10	---	---	---	---	---	3860	3980	---	---	730	2270	---
11	3420	---	---	2520	---	---	4070	---	---	690	2220	---
12	3410	---	---	2850	---	---	---	3410	---	710	---	---
13	---	---	3630	2700	---	---	4080	---	1320	720	---	2410
14	---	3710	---	2540	---	---	---	3760	---	830	2720	2490
15	---	---	---	---	3430	4040	4130	---	---	910	2730	---
16	---	---	---	---	3440	---	4250	3510	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	2400	---
18	---	---	---	3010	---	---	4250	---	---	---	---	---
19	2400	---	4000	---	---	---	4220	---	1560	---	---	---
20	---	---	---	---	---	---	---	---	1080	---	---	---
21	---	---	---	---	---	---	---	---	1140	---	---	---
22	---	---	---	---	3570	3750	3970	3360	1110	---	2480	---
23	---	---	3310	3600	3630	---	---	3120	940	---	---	---
24	---	3480	3170	3740	3600	3890	---	---	870	---	---	---
25	3470	3450	---	3650	3410	---	4160	2390	850	1620	---	---
26	---	3550	---	3530	---	3830	---	2370	880	1700	---	---
27	---	---	---	---	---	3800	---	2540	940	1810	---	2640
28	---	---	---	---	---	3860	---	2820	980	1710	2490	2650
29	---	---	---	---	---	---	---	2520	---	---	---	2740
30	---	---	---	---	---	---	4260	2690	---	---	---	---
31	3250	---	---	---	---	---	---	2690	---	---	---	---

09329050 SEVEN MILE CREEK NEAR FISH LAKE, UT

LOCATION.--Lat 38°37'40", long 111°38'50", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 13, T. 25 S., R. 2 E., Sevier County, Hydrologic Unit 14070003, on left bank 0.4 mi upstream from bridge on State Highway 25, about 0.7 mi upstream from Johnson Valley Reservoir, and 3.5 mi northeast of north end of Fish Lake.

DRAINAGE AREA.--24.0 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 9,200 ft above sea level, from topographic map.

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

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 21	1847	88	2.14	June 20	2303	203	2.78
May 31	2000	181	2.68	June 30	2304	201	2.77
June 12	2002	*424	*3.52				

Minimum daily discharge, 4.5 ft^3/s Nov. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	5.5	e5.0	e4.8	e5.8	e7.2	e6.5	e26	118	78	16	15
2	5.8	5.1	e4.7	e4.8	e5.8	e7.2	e6.2	24	138	58	16	15
3	6.3	6.1	e5.0	e4.8	e5.5	e7.2	e6.4	22	122	60	17	16
4	7.7	e5.8	e5.3	e5.4	e5.3	e7.2	e7.9	21	e146	53	17	14
5	5.7	e5.9	e5.5	e5.6	e5.3	e7.2	e9.8	18	e160	47	16	15
6	5.6	e6.0	e5.2	e5.4	e5.3	e5.9	e11	18	e140	43	16	15
7	5.7	6.1	e5.2	e5.2	e5.3	e5.5	e12	16	133	39	15	15
8	5.6	5.4	e4.9	e5.6	e5.9	e5.7	e12	16	80	37	16	15
9	5.3	6.1	e4.7	e5.6	e5.7	e6.0	e10	19	60	36	16	16
10	5.1	5.8	e4.6	e5.7	e5.5	e6.4	e11	24	88	34	16	15
11	4.6	5.0	e4.8	e5.8	e5.5	e7.8	e11	25	157	32	18	14
12	4.7	4.6	e5.1	e5.4	e5.9	e7.4	e11	28	205	30	16	17
13	4.7	4.9	e5.4	e5.4	e6.5	e6.4	e12	22	211	29	16	14
14	6.6	5.8	e5.0	e5.6	e7.0	e6.4	e11	19	207	28	16	13
15	6.6	e5.4	e5.0	e5.6	e5.7	e6.9	e10	24	208	26	15	13
16	5.9	e5.6	e4.8	e5.5	e5.5	e6.5	e9.3	28	140	25	15	13
17	6.7	e5.7	e4.7	e5.4	e5.9	e7.6	e9.3	25	93	25	15	13
18	7.5	e5.9	e4.7	e5.2	e5.9	e7.3	e9.9	28	85	24	15	14
19	7.2	e5.7	e4.7	e5.3	e6.0	e6.7	e9.9	38	109	22	15	13
20	7.2	e5.5	e4.7	e5.3	e6.0	e6.4	e9.5	51	116	21	16	13
21	7.5	e5.7	e4.6	e5.3	e6.2	e7.4	e9.5	65	105	21	16	13
22	7.2	e5.5	e5.5	e5.1	e6.0	e6.5	e9.0	59	89	19	20	13
23	6.8	e5.3	e5.8	e4.9	e6.2	e6.0	e9.0	50	83	19	19	13
24	6.3	e5.4	e6.0	e5.4	e6.2	e6.8	e9.6	47	79	18	20	13
25	5.9	e5.6	e6.2	e5.8	e6.6	e7.0	e10	44	74	18	17	13
26	5.8	e5.6	e5.8	e6.0	e6.4	e6.4	e12	37	68	17	16	13
27	5.8	e5.1	e6.0	e5.7	e6.4	e6.0	e14	33	70	17	15	13
28	5.7	e5.1	e6.2	e5.4	e6.8	e7.0	e16	36	69	17	15	13
29	5.6	e4.5	e6.2	e5.2	---	e6.4	e22	50	85	16	15	14
30	5.4	e4.8	e5.8	e5.4	---	e5.8	e29	66	86	17	15	14
31	e5.2	---	e5.5	e5.6	---	e6.9	---	102	---	16	15	---
TOTAL	189.0	164.5	162.6	167.2	166.1	207.1	335.8	1081	3524	942	501	420
MEAN	6.10	5.48	5.25	5.39	5.93	6.68	11.2	34.9	117	30.4	16.2	14.0
MAX	7.7	6.1	6.2	6.0	7.0	7.8	29	102	211	78	20	17
MIN	4.6	4.5	4.6	4.8	5.3	5.5	6.2	16	60	16	15	13
AC-FT	375	326	323	332	329	411	666	2140	6990	1870	994	833

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	9.30	8.27	7.34	6.71	6.43	6.90	14.3	46.9	38.9	13.9	11.0	9.78
MAX	15.7	12.5	13.1	11.3	9.79	10.3	32.0	118	140	38.7	28.6	19.1
(WY)	1985	1985	1985	1985	1985	1986	1981	1984	1983	1984	1984	1984
MIN	4.24	4.16	3.91	3.37	3.85	4.72	5.02	10.6	5.31	4.30	3.87	3.70
(WY)	1978	1978	1978	1992	1987	1978	1967	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	3633.0		7860.3			
ANNUAL MEAN	9.95		21.5		15.0	
HIGHEST ANNUAL MEAN					32.6	1984
LOWEST ANNUAL MEAN					7.33	1990
HIGHEST DAILY MEAN	112	May 13	211	Jun 13	227	Jun 1 1984
LOWEST DAILY MEAN	4.3	Sep 27	4.5	Nov 29	2.5	Jan 21 1987
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 9	4.7	Dec 15	3.1	Jan 13 1992
ANNUAL RUNOFF (AC-FT)	7210		15590		10870	
10 PERCENT EXCEEDS	21		58		29	
50 PERCENT EXCEEDS	6.2		7.6		8.4	
90 PERCENT EXCEEDS	4.7		5.2		5.1	

e Estimated

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'03", in $SW^1/_4NE^1/_4NW^1/_4$ sec. 7, T. 29 S., R. 4 E., Wayne County, Hydrologic Unit 14070003, on left bank 150 ft upstream of county road bridge, 2.9 mi southeast of Bicknell along Highway U-24.

DRAINAGE AREA.--751 mi^2.

PERIOD OF RECORD.--May 1909 to December 1912, published as "near Thurber", October 1937 to September 1958 (1944-46, fragmentary), October 1976 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above sea level, from topographic map. May 1909 to December 1912, staff gage near present site at different datum. October 1937 to June 28, 1949, staff gages on two canals and river station about 0.25 mi downstream at different datums. June 28, 1949 to Apr. 29, 1958, water-stage recorders replaced staff gages on river and canal site using same datum. Apr. 29 to Sept. 30, 1958, staff gage on river at site 600 ft farther downstream from water-stage recorder at datum 1.67 ft lower. October 1, 1976 to April 2, 1990, water-stage recorders at site about 0.30 mi upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions for irrigation of about 10,600 acres above station. Flow regulated by Fish Lake and Johnson, Forsythe, and Mill Meadow Reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,200 ft^3/s Apr. 5, 1942, gage height, 5.8 ft, site and datum in use (from floodmarks), from rating curve extended above 700 ft^3/s; minimum observed, 18 ft^3/s June 2, 4, 13-15, 17, 18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 121 ft^3/s Feb. 1, gage height, 4.64 ft; minimum daily discharge, 51 ft^3/s July 7, 8, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	95	90	78	103	107	96	77	61	65	56	61
2	86	94	91	80	101	104	95	89	69	60	59	62
3	84	102	92	82	96	97	88	84	93	56	61	63
4	86	98	94	84	93	95	77	80	81	55	62	64
5	89	102	97	86	92	99	73	79	72	54	61	64
6	89	102	97	85	94	100	73	75	70	53	59	66
7	90	103	94	85	95	91	72	76	72	51	59	70
8	87	100	e92	86	95	92	74	77	66	51	59	74
9	85	98	e89	89	92	93	76	77	62	52	58	75
10	87	99	e85	90	92	91	79	71	60	52	64	78
11	89	100	82	91	91	91	78	69	61	51	73	75
12	87	102	84	88	93	91	78	95	61	52	72	74
13	85	98	87	86	94	90	80	92	58	52	68	76
14	100	e95	87	87	97	89	80	84	58	53	66	79
15	100	91	87	88	90	89	81	78	58	54	66	81
16	100	97	86	86	91	90	83	74	59	54	66	80
17	100	e95	87	80	95	93	85	80	62	55	68	79
18	98	98	88	e81	98	90	86	83	62	58	64	82
19	98	98	87	82	99	88	89	77	60	55	64	82
20	96	e100	87	83	100	88	87	74	57	54	70	84
21	93	102	85	84	100	87	91	82	57	55	74	83
22	93	97	86	85	100	86	94	91	58	53	77	86
23	93	e95	90	84	98	85	86	92	59	53	77	87
24	94	92	92	85	97	83	81	84	57	54	82	84
25	93	93	93	87	97	83	77	76	56	56	74	84
26	94	96	90	88	97	81	70	68	57	56	66	87
27	95	e91	87	85	96	84	69	66	58	54	63	89
28	93	e87	86	84	97	86	68	67	61	53	62	88
29	93	e88	88	84	---	93	71	66	64	54	61	90
30	93	89	87	84	---	91	87	65	66	55	59	89
31	91	---	82	91	---	95	---	63	---	55	60	---
TOTAL	2853	2897	2749	2638	2683	2822	2424	2411	1895	1685	2030	2336
MEAN	92.0	96.6	88.7	85.1	95.8	91.0	80.8	77.8	63.2	54.4	65.5	77.9
MAX	100	103	97	91	103	107	96	95	93	65	82	90
MIN	84	87	82	78	90	81	68	63	56	51	56	61
AC-FT	5660	5750	5450	5230	5320	5600	4810	4780	3760	3340	4030	4630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1995, BY WATER YEAR (WY)

MEAN	86.7	90.7	87.1	89.3	97.6	106	128	91.0	76.2	71.2	77.8	76.9
MAX	145	140	133	131	135	166	412	163	174	135	139	119
(WY)	1985	1985	1985	1985	1984	1985	1987	1985	1984	1984	1984	1984
MIN	54.1	59.7	63.7	66.1	70.0	66.4	63.3	58.7	46.1	50.7	46.3	51.4
(WY)	1980	1980	1979	1980	1980	1980	1980	1981	1980	1980	1980	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1977 - 1995	
ANNUAL TOTAL	29841		29423			
ANNUAL MEAN	81.8		80.6		89.8	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	110	Jan 5	107	Mar 1	813	Apr 17 1987
LOWEST DAILY MEAN	46	Jun 27	51	Jul 7	34	Jul 31 1986
ANNUAL SEVEN-DAY MINIMUM	48	Jun 26	52	Jul 7	38	Jul 29 1986
ANNUAL RUNOFF (AC-FT)	59190		58360		65030	
10 PERCENT EXCEEDS	100		97		123	
50 PERCENT EXCEEDS	85		85		83	
90 PERCENT EXCEEDS	54		58		57	

e Estimated

09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'40", long 111°04'00", in NE$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 20, T. 29 S., R. 8 E., Wayne County, Hydrologic Unit 14070003, on right bank 2.0 mi downstream from Pleasant Creek, 4.5 mi southwest of Caineville, and 9.8 mi east of Fruita, Utah.

DRAINAGE AREA.--1,208 mi^2.

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

GAGE.--Water-stage recorder and bubble gage. Elevation of gage is 4,750 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, 8,800 ft$^3/_s$ July 24, 1984, gage height, 10.20 ft, from rating curve extended above 4,000 ft$^3/_s$ on basis of slope-conveyance study; minimum discharge, 8 ft$^3/_s$ June 29, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Aug. 22	1645	*3,180	*6.20	No other peak greater than base discharge.			

Minimum daily discharge, 21 ft$^3/_s$ July 11, 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	76	e86	86	96	109	106	69	33	59	23	33
2	50	77	e88	87	106	113	105	62	41	56	26	41
3	47	81	e89	90	102	103	99	72	48	45	27	38
4	48	80	e90	92	97	99	92	62	67	37	28	32
5	53	80	e91	93	96	99	90	59	53	33	32	46
6	58	82	e92	89	95	106	89	57	62	44	30	e41
7	57	82	e94	88	96	96	91	57	55	39	26	e35
8	55	82	95	89	97	96	86	57	49	38	23	e38
9	54	80	92	92	95	97	85	51	46	26	23	e40
10	53	80	99	e92	94	97	85	49	41	23	24	e42
11	55	82	101	93	94	101	86	43	36	21	39	e41
12	57	85	100	93	94	103	83	66	37	21	45	e38
13	58	83	100	88	95	97	75	78	41	26	38	e40
14	72	74	98	90	102	96	78	71	46	31	41	e42
15	76	78	98	91	95	97	78	58	58	28	35	e44
16	73	80	95	91	95	97	79	49	56	28	31	e43
17	76	81	94	83	96	100	82	48	46	27	29	e42
18	75	84	96	83	97	e96	80	55	42	25	27	e45
19	79	83	97	89	99	e94	81	59	38	27	29	e47
20	77	71	97	89	101	e94	81	55	37	27	32	e49
21	74	94	94	88	100	e92	84	51	40	27	76	e52
22	73	87	94	87	101	e91	91	52	45	28	281	e52
23	72	81	94	88	101	e90	82	53	38	27	171	e54
24	74	81	96	87	100	e89	77	56	37	27	125	e52
25	73	84	99	89	101	e89	74	52	35	26	85	e52
26	72	86	98	93	100	e87	70	49	32	25	79	e54
27	73	75	95	91	100	e89	60	48	32	24	67	e56
28	72	e87	92	87	101	e91	54	42	34	25	58	e55
29	71	e85	93	88	---	e96	52	43	36	25	54	e57
30	74	e84	94	87	---	e92	62	42	48	27	43	e56
31	74	---	88	90	---	e96	---	35	---	29	31	---
TOTAL	2030	2445	2929	2763	2746	2992	2437	1700	1309	951	1678	1357
MEAN	65.5	81.5	94.5	89.1	98.1	96.5	81.2	54.8	43.6	30.7	54.1	45.2
MAX	79	94	101	93	106	113	106	78	67	59	281	57
MIN	47	71	86	83	94	87	52	35	32	21	23	32
AC-FT	4030	4850	5810	5480	5450	5930	4830	3370	2600	1890	3330	2690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.2	86.5	89.0	91.8	98.6	103	98.3	65.5	44.7	48.0	59.5	57.1
MAX	122	133	134	136	143	170	334	213	155	171	162	111
(WY)	1985	1985	1986	1985	1985	1985	1987	1973	1983	1985	1971	1984
MIN	38.0	58.6	66.7	60.2	82.5	79.3	52.5	26.6	21.3	23.0	24.0	23.8
(WY)	1980	1982	1969	1975	1979	1981	1976	1974	1981	1994	1978	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968 - 1995	
ANNUAL TOTAL	23455		25337			
ANNUAL MEAN	64.3		69.4		75.6	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	139	Aug 19	281	Aug 22	1200	Jul 19 1985
LOWEST DAILY MEAN	12	Aug 17	21	Jul 11	12	Jun 27 1980
ANNUAL SEVEN-DAY MINIMUM	19	Aug 12	25	Jul 9	13	Jun 9 1981
ANNUAL RUNOFF (AC-FT)	46520		50260		54780	
10 PERCENT EXCEEDS	101		97		112	
50 PERCENT EXCEEDS	71		75		74	
90 PERCENT EXCEEDS	22		31		30	

e Estimated

09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in $NE^1/_4NW^1/_4NE^1/_4$ sec. 21, T. 21 S., R. 6 E., Emery County, Hydrologic Unit 14070002, on left bank 100 ft upstream from Emery Canal and 4.1 mi north of Emery.

DRAINAGE AREA.--105 mi^2.

PERIOD OF RECORD.--April to July 1909, July 1910 to July 1914, June 1949 to current year.

REVISED RECORDS.--WSP 1633: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above sea level, from topographic map. Apr. 29 to July 31, 1909, reference point. July 23, 1910 to July 16, 1914, staff gages, at sites about 1 mi upstream at different datums. June 29, 1949 to May 1, 1957, water-stage recorder at site 100 ft upstream at datum 2.89 ft higher prior to Mar. 20, 1953, and at datum 1.89 ft higher thereafter.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small diversion for irrigation and two storage reservoirs (total capacity 700 acre-ft) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 $ft^3/_s$ May 10, 1952, gage height, 11.14 ft, present datum from rating curve extended above 400 $ft^3/_s$ on basis of slope-area measurement of peak flow; no flow Apr. 13-16, 1911.

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

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Aug. 11	Unknown	*3,140	*10.05	Aug. 23	1435	412	3.18

Minimum daily discharge, 1.4 $ft^3/_s$ Mar. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	e5.8	e6.6	e4.8	e7.2	e4.0	e8.1	48	157	248	81	48
2	13	e5.5	e7.2	e5.6	e7.4	e4.4	9.2	81	211	220	80	53
3	14	e5.0	e7.8	e6.2	e6.0	e4.4	8.6	62	188	227	80	56
4	15	e4.2	e8.4	e6.2	e5.0	e4.6	14	59	213	215	78	47
5	13	e5.0	e8.5	e7.5	e5.1	e3.0	19	60	236	215	76	46
6	13	e5.3	e7.2	e8.2	e5.0	e2.0	21	46	217	203	74	46
7	12	e5.5	e6.3	e8.0	e5.3	e1.4	20	42	181	196	72	44
8	12	e5.7	e5.2	e9.4	e4.0	e1.8	22	48	163	193	73	44
9	12	e5.2	e4.5	e11	e4.5	e2.9	17	64	148	193	72	48
10	11	e5.5	e4.9	10	e4.8	e4.0	13	87	136	186	77	45
11	11	e6.0	e5.8	10	e4.3	e5.0	12	93	149	179	e664	42
12	9.4	e6.2	e5.8	9.4	e4.3	e4.5	14	109	175	176	e150	42
13	8.0	e5.8	e6.6	9.7	e4.5	e4.5	18	64	212	171	e80	42
14	9.0	e5.4	e6.3	9.7	e3.0	e4.5	17	57	233	165	e66	42
15	9.2	e5.0	e5.9	11	e2.0	e4.9	15	62	238	152	e60	42
16	8.3	e5.2	e6.5	e8.5	e2.8	e4.8	12	66	223	146	e60	42
17	8.7	e5.4	e7.0	e6.8	e3.3	e4.7	13	65	208	146	e60	43
18	8.7	e5.5	e7.0	e7.4	e4.0	e4.8	11	101	187	140	e55	43
19	8.1	e5.6	e6.8	e7.6	e4.4	e4.7	14	120	184	133	e52	42
20	8.1	e5.5	e7.3	e7.4	e4.8	e4.8	12	158	189	126	e54	40
21	7.9	e5.6	e8.0	e7.4	e4.7	e5.9	12	161	200	117	e70	40
22	8.0	e5.2	e8.6	e7.4	e4.5	e4.5	12	161	200	114	e51	38
23	7.8	e5.4	e8.6	e6.8	e4.7	e3.9	13	151	204	112	100	38
24	7.7	e5.6	e8.6	e7.5	e4.7	e3.5	16	159	213	110	65	38
25	7.5	e5.6	e8.0	e7.8	e4.6	e3.6	23	162	212	105	51	37
26	7.7	e5.8	e7.4	e8.2	e4.8	e3.5	29	147	217	100	51	37
27	7.8	e5.4	e7.0	e7.0	e4.8	e3.5	30	125	230	96	50	37
28	7.6	e5.2	e7.6	e6.0	e4.5	e3.8	30	109	253	93	48	45
29	7.4	e5.5	e8.0	e5.0	---	e5.0	38	101	242	89	48	43
30	7.1	e6.0	e7.5	e5.8	---	e4.9	73	97	239	86	47	43
31	e5.4	---	e6.0	e6.6	---	e6.7	---	125	---	83	47	---
TOTAL	299.4	163.6	216.9	239.9	129.0	128.5	565.9	2990	6058	4735	2692	1293
MEAN	9.66	5.45	7.00	7.74	4.61	4.15	18.9	96.5	202	153	86.8	43.1
MAX	15	6.2	8.6	11	7.4	6.7	73	162	253	248	664	56
MIN	5.4	4.2	4.5	4.8	2.0	1.4	8.1	42	136	83	47	37
AC-FT	594	325	430	476	256	255	1120	5930	12020	9390	5340	2560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-95, BY WATER YEAR (WY)

MEAN	18.0	11.7	9.22	7.95	8.42	12.1	32.7	101	124	70.4	41.0	25.9
MAX	60.9	34.8	22.6	14.6	16.1	37.7	112	306	330	239	104	59.7
(WY)	1985	1985	1985	1985	1958	1911	1985	1952	1983	1983	1983	1983
MIN	4.78	3.73	2.00	2.00	3.09	4.15	7.84	14.2	15.7	17.1	7.55	9.58
(WY)	1978	1912	1912	1911	1911	1995	1967	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1911-13, 1950-95	
ANNUAL TOTAL	6686.5		19511.2			
ANNUAL MEAN	18.3		53.5		38.6	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	65	May 31	664	Aug 11	664	Aug 11 1995
LOWEST DAILY MEAN	4.2	Nov 4	1.4	Mar 7	.00	Apr 13 1911
ANNUAL SEVEN-DAY MINIMUM	5.1	Nov 3	2.8	Mar 4	1.0	Apr 10 1911
ANNUAL RUNOFF (AC-FT)	13260		38700		27970	
10 PERCENT EXCEEDS	43		177		99	
50 PERCENT EXCEEDS	11		12		16	
90 PERCENT EXCEEDS	5.8		4.7		6.	

e Estimated

09337000 PINE CREEK NEAR ESCALANTE, UT

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

DRAINAGE AREA.--68.1 mi^2.

PERIOD OF RECORD.--July 1950 to September 1955, July 1957 to current year.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft^3/s, Aug. 2, 1967, gage height, 7.72 ft, from rating curve extended above 35 ft^3/s on basis of slope-area measurement at gage height 7.52 ft; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 2	0015	a 156	3.82	June 29	1515	a *183	*4.01
June 5	2100	a 121	3.53				

(a) From rating curve extended above 47 ft^3/s on basis of slope-area measurement at gage height 4.21 ft.
Minimum daily discharge, 1.0 ft^3/s, Feb. 16, occurred during period of ice effect.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.2	e2.1	e1.8	e3.8	2.7	3.3	9.1	37	8.5	6.2	6.3
2	1.9	2.1	e2.1	e2.0	e4.0	2.5	3.4	10	54	7.2	6.3	6.3
3	1.8	2.3	e2.0	e2.1	e3.7	2.4	3.3	9.6	33	6.7	6.3	6.2
4	2.0	2.0	e2.0	e2.1	e3.0	2.4	3.6	10	44	6.4	6.4	6.1
5	1.8	2.4	e2.0	e2.2	e3.0	2.4	4.0	11	72	6.0	6.3	6.8
6	1.9	2.3	e1.8	e2.2	2.8	2.4	4.5	9.4	73	8.1	6.3	6.6
7	1.9	2.3	e1.6	e2.1	2.6	1.8	4.7	8.5	46	7.0	6.2	6.5
8	1.8	2.2	e1.6	e2.2	2.6	3.4	5.2	7.9	31	6.1	6.1	6.5
9	1.8	2.1	e1.5	e2.3	2.3	2.8	5.5	8.8	24	5.5	6.1	6.5
10	1.8	2.2	e1.5	e2.4	2.9	2.6	4.7	13	19	5.1	6.4	6.4
11	1.8	2.3	e1.5	e3.2	2.4	5.5	4.5	15	22	5.0	6.7	6.4
12	1.8	2.5	e1.9	e2.6	1.9	3.7	4.8	14	27	6.8	6.6	6.3
13	1.8	2.1	e2.4	e2.6	1.8	3.1	5.2	13	30	7.5	6.9	6.3
14	4.3	2.2	e2.5	e2.6	2.6	3.1	5.3	11	28	7.9	6.7	6.2
15	3.5	1.9	e2.4	e2.7	e1.5	3.2	5.2	12	20	7.5	6.5	6.3
16	2.5	e1.5	e2.4	e2.3	e1.0	3.4	4.8	15	15	7.2	6.8	6.2
17	2.4	e1.7	e2.5	e2.0	1.3	4.1	4.9	13	11	7.3	7.0	7.0
18	2.4	e2.0	e2.5	e2.2	1.8	4.1	5.0	12	9.7	9.9	6.5	6.5
19	2.3	e2.2	e2.5	e2.4	2.5	4.3	4.6	14	8.7	7.5	6.4	6.3
20	2.3	e2.2	e2.5	e2.8	2.5	4.3	4.9	16	8.2	7.2	7.7	6.2
21	2.3	e2.2	e2.5	e3.0	2.6	4.4	4.7	23	7.6	7.2	8.9	6.2
22	2.3	e1.8	e2.6	e3.0	2.7	4.4	4.6	36	7.0	6.9	7.7	6.3
23	2.3	e1.8	e2.8	e4.0	2.6	3.9	4.5	28	6.6	6.7	7.1	6.3
24	2.2	e1.9	e2.7	e4.9	2.6	3.7	4.5	18	9.1	6.7	6.8	5.2
25	2.2	e2.1	e3.0	e4.7	2.6	3.5	4.7	15	11	6.5	6.8	3.7
26	2.2	e2.1	e2.8	e4.7	2.5	3.4	5.2	14	9.2	6.4	6.5	3.5
27	2.2	e1.8	e2.7	e5.0	2.4	4.0	5.5	13	8.7	6.4	6.4	3.4
28	2.1	e1.7	e2.7	e3.0	2.5	3.6	5.8	17	8.5	6.3	6.3	4.2
29	2.1	e1.8	e2.7	e3.0	---	3.5	6.3	15	14	6.2	6.3	3.9
30	2.1	e1.9	e2.7	e3.8	---	3.1	8.1	13	11	6.2	6.3	3.8
31	2.0	---	e2.3	e3.9	---	3.3	---	21	---	6.2	6.2	---
TOTAL	67.9	61.8	70.8	89.8	70.5	105.0	145.3	445.3	705.3	212.1	205.7	174.4
MEAN	2.19	2.06	2.28	2.90	2.52	3.39	4.84	14.4	23.5	6.84	6.64	5.81
MAX	4.3	2.5	3.0	5.0	4.0	5.5	8.1	36	73	9.9	8.9	7.0
MIN	1.8	1.5	1.5	1.8	1.0	1.8	3.3	7.9	6.6	5.0	6.1	3.4
AC-FT	135	123	140	178	140	208	288	883	1400	421	408	346

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	2.99	2.79	2.26	2.15	2.17	2.66	7.25	18.5	7.85	6.13	5.09	3.92
MAX	9.10	6.54	6.25	6.05	6.70	6.59	28.9	50.9	34.5	25.4	15.2	9.72
(WY)	1984	1984	1984	1974	1984	1984	1987	1958	1983	1983	1983	1983
MIN	.000	.000	.000	.045	.039	.052	.070	.21	.000	.27	.90	.29
(WY)	1965	1965	1965	1965	1965	1965	1977	1977	1977	1959	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1958 - 1995	
ANNUAL TOTAL	1575.4		2353.9			
ANNUAL MEAN	4.32		6.45		5.34	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					.62	1977
HIGHEST DAILY MEAN	39	Apr 22	73	Jun 6	205	May 18 1964
LOWEST DAILY MEAN	1.1	Aug 26	1.0	Feb 16	.00	Jun 28 1963
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 22	1.6	Dec 6	.00	Jun 28 1963
ANNUAL RUNOFF (AC-FT)	3120		4670		3870	
10 PERCENT EXCEEDS	6.7		12		9.8	
50 PERCENT EXCEEDS	3.6		4.2		3.1	
90 PERCENT EXCEEDS	1.8		2.0		.70	

e Estimated

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

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

DRAINAGE AREA.--320 mi^2.

PERIOD OF RECORD.--August 1909 to April 1913, October 1942 to September 1955, December 1971 to current year. Published as Escalante Creek near Escalante 1909-13.

REVISED RECORDS.--WSP 1149: 1943(M), 1944, 1945(M). WRD UT-73-1: 1972.

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

REMARKS.--Records good except those for discharges greater than 150 ft$^3/_s$, discharges less than 2.0 ft$^3/_s$, and estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 2,300 acres of crop and pastureland.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,450 ft$^3/_s$, August 1953, day unknown, gage height, 9.9 ft from outside high-water mark, from rating curve extended above 89 ft$^3/_s$ on basis of slope-area measurements at gage heights, 4.60 ft, 5.50 ft, 7.34 ft, and 7.59 ft; minimum daily, 0.07 ft$^3/_s$, July 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 471 ft$^3/_s$, Sept. 17, gage height, 3.89 ft, from rating curve extended above 150 ft$^3/_s$ as explained above and also at gage heights 5.31 ft and 6.15 ft; minimum daily discharge, 0.40 ft$^3/_s$, July 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	3.2	e4.0	e2.6	7.5	10	9.6	4.0	21	30	1.0	1.3
2	1.5	3.0	e3.8	e2.6	8.5	21	9.3	4.1	41	16	.99	1.3
3	1.4	3.2	e3.4	e3.2	7.6	20	8.7	3.9	22	14	1.1	1.2
4	1.4	3.0	e3.0	4.0	5.7	21	8.3	4.1	26	11	1.5	1.0
5	1.4	3.1	3.1	4.3	5.8	23	7.9	4.1	47	5.6	1.9	1.1
6	1.5	3.2	3.2	4.3	5.9	24	5.4	3.9	86	3.0	1.5	1.2
7	1.5	3.3	2.9	4.0	5.5	13	3.8	4.4	68	.79	1.2	1.4
8	1.5	3.2	2.6	4.2	5.8	14	3.0	3.6	55	.40	1.2	15
9	1.5	3.0	e2.2	4.4	5.1	14	2.8	3.1	46	.60	1.2	12
10	1.5	3.2	e2.0	4.9	5.5	5.8	3.5	5.1	44	1.3	1.3	3.7
11	1.4	3.7	e2.0	8.7	6.1	35	2.6	7.5	50	1.6	1.4	3.2
12	1.5	3.5	e2.6	6.4	6.1	29	2.7	7.3	58	1.7	1.5	2.8
13	1.5	3.2	3.4	5.8	6.3	21	2.0	6.8	66	10	1.3	2.6
14	33	2.1	3.8	5.9	16	18	2.0	5.2	99	13	6.1	2.3
15	13	1.7	3.5	6.1	19	11	2.0	4.9	115	7.4	1.1	2.5
16	7.8	2.1	3.5	4.9	7.7	11	2.0	6.9	89	2.5	2.1	2.2
17	3.9	2.9	3.6	e4.5	4.2	12	2.2	7.4	82	5.7	1.2	24
18	2.2	3.1	3.8	e4.8	4.3	11	2.2	5.5	71	45	1.0	16
19	2.1	2.8	3.9	5.1	4.6	12	2.4	6.7	66	2.6	1.1	4.2
20	2.2	3.0	3.9	5.8	4.5	14	2.1	8.2	65	3.7	2.3	3.8
21	2.1	e4.7	3.9	6.2	4.5	17	2.4	17	57	2.7	3.5	3.6
22	2.3	e4.0	4.0	5.9	4.6	18	2.1	27	52	1.4	2.2	3.8
23	2.6	e3.6	4.7	8.2	4.6	12	2.2	24	50	1.1	2.8	3.5
24	2.6	e3.8	4.3	9.7	4.4	11	1.9	14	46	1.2	3.9	2.0
25	2.7	e4.2	5.2	8.7	4.8	14	1.7	11	41	1.1	2.6	1.7
26	2.8	e3.8	4.3	8.7	4.6	12	1.6	9.7	29	1.1	2.4	1.7
27	2.8	e3.0	4.1	9.9	4.5	13	1.7	7.5	8.4	1.1	2.1	1.8
28	2.7	e3.0	4.2	e8.0	5.6	13	1.7	9.9	13	1.1	1.5	2.0
29	2.8	e3.2	4.2	e7.0	---	12	1.6	10	41	1.0	1.1	2.8
30	2.8	e3.6	e3.4	e7.0	---	10	2.5	7.9	48	1.0	1.1	2.1
31	2.9	---	e2.8	e7.5	---	9.7	---	13	---	.99	1.1	---
TOTAL	116.0	96.4	109.3	183.3	179.3	481.5	103.9	257.7	1602.4	189.68	56.29	127.8
MEAN	3.74	3.21	3.53	5.91	6.40	15.5	3.46	8.31	53.4	6.12	1.82	4.26
MAX	33	4.7	5.2	9.9	19	35	9.6	27	115	45	6.1	24
MIN	1.4	1.7	2.0	2.6	4.2	5.8	1.6	3.1	8.4	.40	.99	1.0
AC-FT	230	191	217	364	356	955	206	511	3180	376	112	253

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1995, BY WATER YEAR (WY)

MEAN	6.49	6.37	5.54	6.49	8.57	12.8	15.1	26.9	20.8	6.12	7.15	6.20
MAX	29.9	23.8	15.5	15.8	19.4	39.7	54.8	124	125	28.0	30.8	29.9
(WY)	1973	1988	1984	1984	1982	1989	1993	1973	1983	1983	1983	1980
MIN	.90	.80	.77	.96	1.21	.67	1.23	1.15	.48	.47	.84	1.14
(WY)	1991	1991	1991	1991	1993	1991	1990	1990	1990	1978	1978	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1973 - 1995	
ANNUAL TOTAL	2403.71		3503.57			
ANNUAL MEAN	6.59		9.60		10.7	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	56	Mar 4	115	Jun 15	270	Sep 10 1980
LOWEST DAILY MEAN	.11	Sep 28	.40	Jul 8	.07	Jul 11 1990
ANNUAL SEVEN-DAY MINIMUM	.61	Sep 23	1.0	Jul 27	.18	Aug 26 1990
ANNUAL RUNOFF (AC-FT)	4770		6950		7760	
10 PERCENT EXCEEDS	17		22		24	
50 PERCENT EXCEEDS	3.2		3.9		4.5	
90 PERCENT EXCEEDS	.86		1.4		1.0	

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 2, T. 34 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello, Ut.

DRAINAGE AREA.--8.64 mi^2.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft$^3/_s$ Nov. 5, 1987, gage height, 4.17 ft; minimum daily, 0.02 ft$^3/_s$ Sept. 16-18, 1994.

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

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
June 17	0802	*102	*3.16	No other peak greater than base discharge.			

Minimum daily discharge, 0.04 ft$^3/_s$ Nov. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.14	.05	e.11	e.11	e.15	2.6	3.1	11	6.1	9.6	.27	.22
2	e.12	.05	e.12	e.15	e.15	2.2	2.7	14	7.1	8.5	.27	.22
3	e.11	.04	e.12	e.14	e.15	1.9	2.8	13	9.1	7.9	.27	.22
4	e.11	.05	e.14	e.14	e.15	2.0	4.0	12	10	7.1	.27	.22
5	.11	.08	e.14	e.14	e.15	2.6	4.9	14	12	6.4	.27	.22
6	.09	.08	e.14	.14	.15	2.8	5.6	12	17	6.0	.27	.24
7	.08	.08	e.14	.14	.16	1.7	6.1	12	17	5.6	.27	.22
8	.08	.08	.13	.14	.15	1.4	7.0	14	12	5.5	.27	.22
9	.08	.08	e.11	.14	.14	1.4	8.4	13	9.0	5.5	.25	.88
10	.07	.08	e.12	.14	.11	2.1	8.7	11	7.6	5.4	.23	.29
11	.06	.08	e.13	.14	.11	6.1	8.2	11	7.3	5.2	.23	.27
12	.05	.70	e.12	.14	.12	5.9	8.1	11	8.3	4.8	.22	.28
13	.12	.11	e.13	.12	.12	3.7	7.9	9.4	10	4.5	.31	.27
14	.33	e.09	e.12	.11	e.16	4.5	8.0	8.3	14	4.3	.32	.27
15	.19	e.09	e.13	.11	e.15	6.9	7.8	8.8	18	3.5	.27	.27
16	.14	e.11	e.12	.11	.18	7.6	7.4	11	18	2.6	.22	.27
17	.12	e.10	e.13	.09	.18	9.3	7.7	13	32	2.1	.22	.26
18	.28	e.11	e.13	.10	.26	11	7.3	11	15	1.9	.22	.24
19	.24	e.11	e.13	.11	.36	15	7.3	10	11	1.6	.24	.22
20	.14	e.10	e.13	.11	.79	11	7.1	9.5	9.9	1.3	.23	.22
21	.12	e.11	e.13	.11	1.3	13	7.0	9.9	9.9	1.4	.22	.22
22	.09	.11	e.13	e.10	1.3	10	6.8	11	10	1.5	.21	.19
23	.08	e.14	e.15	e.09	1.1	8.1	6.7	13	10	1.3	.20	.18
24	.08	.16	e.15	e.12	1.3	7.9	6.6	16	9.8	1.1	.28	.18
25	.08	.11	e.14	e.14	1.8	6.9	6.5	13	9.6	.94	.22	.16
26	.08	.11	.14	e.15	1.8	6.0	6.7	10	9.3	.78	.19	.14
27	.08	e.10	.12	e.13	1.7	5.0	6.9	8.9	9.0	.68	.21	.14
28	.07	e.10	.11	e.12	1.9	4.9	7.6	8.2	9.3	.61	.21	.15
29	.06	e.09	.11	e.12	---	4.4	8.2	7.9	9.8	.43	.22	e1.1
30	.05	e.10	.11	e.11	---	3.8	10	6.9	10	.32	.21	e.24
31	.05	---	.12	e.12	---	3.5	---	6.3	---	.31	.22	---
TOTAL	3.50	3.40	3.95	3.83	16.09	175.2	203.1	340.1	347.1	108.67	7.51	8.22
MEAN	.11	.11	.13	.12	.57	5.65	6.77	11.0	11.6	3.51	.24	.27
MAX	.33	.70	.15	.15	1.9	15	10	16	32	9.6	.32	1.1
MIN	.05	.04	.11	.09	.11	1.4	2.7	6.3	6.1	.31	.19	.14
AC-FT	6.9	6.7	7.8	7.6	32	348	403	675	688	216	15	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1995, BY WATER YEAR (WY)

MEAN	.23	.81	.21	.19	.38	2.38	7.04	8.11	3.78	.78	.34	.33
MAX	.45	5.40	.64	.45	1.08	5.65	19.0	33.0	11.6	3.51	.52	.91
(WY)	1987	1988	1988	1988	1986	1995	1993	1993	1995	1995	1987	1991
MIN	.10	.093	.079	.075	.070	.10	.22	.21	.14	.14	.16	.098
(WY)	1992	1993	1993	1990	1993	1991	1990	1990	1990	1994	1990	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1986 - 1995	
ANNUAL TOTAL	200.80		1220.67			
ANNUAL MEAN	.55		3.34		2.05	
HIGHEST ANNUAL MEAN					5.89	1993
LOWEST ANNUAL MEAN					.17	1990
HIGHEST DAILY MEAN	5.5	May 9	32	Jun 17	60	May 17 1993
LOWEST DAILY MEAN	.02	Sep 16	.04	Nov 3	.02	Sep 16 1994
ANNUAL SEVEN-DAY MINIMUM	.03	Sep 12	.05	Oct 29	.03	Sep 12 1994
ANNUAL RUNOFF (AC-FT)	398		2420		1490	
10 PERCENT EXCEEDS	1.9		10		6.3	
50 PERCENT EXCEEDS	.14		.27		.27	
90 PERCENT EXCEEDS	.08		.10		.10	

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 (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Mar. 21	1817	*16	*1.36	May 22	1608	12	1.27
Apr. 9	0320	9.4	1.22	June 6	0015	11	1.26
May 16	0605	11	1 26	June 17	0230	9.0	1.21

No flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	e.00	e.00	e.01	3.1	1.9	e7.3	6.3	3.1	.09	.05
2	.00	.00	e.00	e.01	e.01	3.1	1.8	e7.6	7.9	2.8	.09	.04
3	.00	.01	e.00	e.01	e.01	2.1	1.8	e7.0	10	2.8	.09	.04
4	.00	.01	e.00	e.01	e.01	2.0	2.3	e6.5	9.6	2.3	.08	.04
5	.00	.01	e.00	e.01	e.01	2.1	3.6	7.7	9.9	2.0	.09	.04
6	.00	.00	e.00	e.01	e.01	4.0	4.7	7.2	11	1.7	.08	.04
7	.00	.00	e.00	e.01	e.01	2.2	5.9	6.4	10	1.6	.07	.04
8	.00	.00	e.00	e.01	e.01	1.7	7.8	7.0	7.8	1.6	.07	.05
9	.00	.00	e.00	e.01	e.01	1.4	8.9	7.2	6.0	1.5	.06	.05
10	.00	.00	e.00	e.01	e.01	1.6	7.1	7.9	4.9	1.4	.07	.05
11	.00	.00	e.00	e.01	e.01	3.6	5.6	7.9	4.8	1.3	.06	.04
12	.00	.02	e.00	e.01	e.01	4.9	5.0	8.4	5.7	1.2	.07	.04
13	.00	.01	e.00	e.01	e.01	4.4	5.4	8.8	7.1	1.0	.06	.04
14	.00	.02	e.00	e.01	e.01	3.9	6.6	7.6	7.4	1.0	.07	.03
15	.01	e.02	e.00	e.01	e.01	5.3	6.8	8.1	7.5	.83	.06	.03
16	.01	.01	e.00	e.01	e.02	7.3	6.0	11	7.7	.67	.06	.03
17	.01	.01	e.00	e.01	e.02	9.6	5.3	9.9	7.3	.61	.06	.03
18	.00	.01	e.00	e.01	e.10	10	4.9	8.7	5.6	.59	.05	.04
19	.01	.01	e.00	e.01	e.25	12	4.6	7.8	4.7	.57	.06	.03
20	.01	.01	e.00	e.01	e.45	13	4.3	7.6	4.4	.46	.06	.03
21	.01	.01	e.00	e.01	e.60	14	4.5	8.9	4.3	.40	.06	.03
22	.01	.01	e.00	e.01	.86	14	4.6	11	4.3	.36	.05	.03
23	.01	.01	e.00	e.01	2.6	13	5.9	11	4.1	.32	.04	.03
24	.00	.01	e.00	e.01	3.0	13	e5.8	9.6	3.8	.27	.13	.03
25	.00	.01	e.00	e.01	3.0	12	e5.6	8.6	3.5	.18	.12	.03
26	.00	.02	e.00	e.01	2.3	9.5	e5.8	7.7	3.2	.12	.07	.03
27	.00	.01	e.00	e.01	2.0	7.5	e6.0	6.9	3.1	.10	.06	.03
28	.00	.01	e.00	e.01	1.8	7.3	e6.2	6.5	3.1	.09	.06	.04
29	.00	e.00	e.00	e.01	---	7.1	e6.4	6.1	3.2	.09	.05	.14
30	.00	e.00	e.00	e.01	---	7.0	e6.8	5.3	3.1	.09	.05	.05
31	.00	---	e.00	e.01	---	2.7	---	5.3	---	.08	.05	---
TOTAL	0.08	0.24	0.00	0.30	17.15	204.4	157.9	244.5	181.3	31.13	2.14	1.22
MEAN	.003	.008	.000	.010	.61	6.59	5.26	7.89	6.04	1.00	.069	.041
MAX	.01	.02	.00	.01	3.0	14	8.9	11	11	3.1	.13	.14
MIN	.00	.00	.00	.00	.01	1.4	1.8	5.3	3.1	.08	.04	.03
AC-FT	.2	.5	.00	.6	34	405	313	485	360	62	4.2	2.4

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

MEAN	.19	.15	.057	.039	.13	1.74	5.23	7.00	2.51	.18	.060	.020
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	.002	.000	.000
(WY)	1979	1977	1977	1968	1977	1977	1977	1977	1977	1990	1972	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	189.47		840.36			
ANNUAL MEAN	.52		2.30		1.45	
HIGHEST ANNUAL MEAN					4.60	1983
LOWEST ANNUAL MEAN					.008	1977
HIGHEST DAILY MEAN	6.8	May 7	14	Mar 21	57	Oct 20 1972
LOWEST DAILY MEAN	.00	Aug 23	.00	Oct 1	.00	Dec 20 1965
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 23	.00	Oct 1	.00	Dec 20 1965
ANNUAL RUNOFF (AC-FT)	376		1670		1050	
10 PERCENT EXCEEDS	2.1		7.6		4.4	
50 PERCENT EXCEEDS	.03		.06		.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 $SE^1/_4NE^1/_4SW^1/_4$ sec. 7, T. 42 S., R. 19 E., San Juan County, Hydrologic Unit 14080205, on left bank 1,600 ft downstream from Gypsum Creek, 1,800 ft upstream from highway bridge, 20 mi southwest of Bluff, at mile 113.5.

DRAINAGE AREA.--23,000 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1940. WSP 1313: 1917, 1929. WSP 1343: 1945.

GAGE.--Water-stage recorder. Datum of gage is 4,048 ft above sea level, from levels of Topographic Division, U.S. Geological Survey. Prior to Mar. 16, 1927, chain gages at sites about 1,700 ft downstream at different datums.

REMARKS.--Records fair. Diversions for irrigation of approximately 200,000 acres above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100 in New Mexico report).

EXTREMES FOR PERIOD OF RECORD.--(water years 1914-17, 1927-94) maximum discharge, 70,000 $ft^3/_s$ Sept. 10, 1927, gage height, 32.0 ft from rating curve extended above 31,000 $ft^3/_s$ and slope-area measurement at gage height 26.62 ft; no flow July 3-13, 1934, Aug. 24-27, 29, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 6, 1911, which is greatest known at Shiprock, NM, probably exceeded that of Sept. 10, 1927 at this station but stage was not accurately determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Mar. 7	1340	9,920	10.43	June 20	2015	*11,900	*11.50

Minimum, 691 $ft^3/_s$ Oct. 14, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1040	937	1020	984	1200	2590	4230	6150	6790	1840	1810
2	1280	1080	979	1020	951	1360	2560	4470	6040	6990	1710	1580
3	1070	1040	972	984	940	1740	2520	4460	6430	7470	1620	1380
4	1060	1040	990	980	992	1970	2460	4480	7180	6930	1560	1240
5	972	1120	1000	999	1040	1980	2850	4600	7410	6350	1480	1170
6	896	1250	1180	1190	1060	5560	2880	4570	7510	5390	1380	1070
7	906	1130	1380	1150	1120	7600	2980	5020	8060	4920	1410	980
8	963	1050	1760	1090	1170	4260	3110	5340	9070	5240	1380	1430
9	967	989	1340	1010	1190	2310	3220	5300	8540	5350	1330	2550
10	917	982	1160	1060	1150	1810	3410	5260	7840	5320	1240	2980
11	985	985	1030	1060	1060	2490	3600	5430	7480	5600	1210	2340
12	1020	970	944	1060	1060	2600	3310	5520	7580	5350	1260	2080
13	971	1040	921	1100	1010	2860	3120	5510	8110	4910	1270	1560
14	734	2400	959	1090	972	2990	2990	5480	8970	4580	1350	1410
15	770	1600	971	1060	1040	2870	3000	5360	9930	4260	1470	1300
16	1870	1350	955	1000	1820	2870	3140	5290	10400	3720	1380	1180
17	1850	1240	971	987	1970	2950	3180	5840	10900	3350	1250	1200
18	1570	1150	927	982	1630	3100	3140	6400	11300	3430	1160	1200
19	1770	1080	894	948	1320	3170	3160	6440	11600	3320	1130	1120
20	1540	1100	913	919	1200	3160	3220	6260	11600	3130	1090	1040
21	1270	1070	936	878	1180	3230	3340	6370	10200	3210	1220	960
22	1150	1050	929	880	1170	3140	3880	6640	9890	3110	1520	951
23	1140	1030	927	880	1160	3220	4020	7080	9950	2850	1640	937
24	1120	1030	951	905	1150	3200	3890	7290	9670	2640	1800	930
25	1140	997	980	896	1170	3140	3690	7270	9300	2460	1940	947
26	1130	979	994	856	1190	3090	3900	6730	8810	2200	2230	986
27	1150	969	1010	968	1220	2980	3870	6330	8870	2090	1970	975
28	1090	974	1030	1070	1210	2860	3850	6100	8480	2000	2000	963
29	1070	964	1020	1080	---	2770	3880	6210	7740	1960	2310	1010
30	1040	933	998	1030	---	2750	4000	6340	7010	1900	2550	1190
31	1000	---	1010	998	---	2670	---	6400	---	1840	2240	---
TOTAL	35441	33632	31968	31150	33129	91900	98760	178020	262020	128660	48940	40469
MEAN	1143	1121	1031	1005	1183	2965	3292	5743	8734	4150	1579	1349
MAX	1870	2400	1760	1190	1970	7600	4020	7290	11600	7470	2550	2980
MIN	734	933	894	856	940	1200	2460	4230	6040	1840	1090	930
AC-FT	70300	66710	63410	61790	65710	182300	195900	353100	519700	255200	97070	80270

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-95, BY WATER YEAR (WY)

MEAN	1563	1241	1111	1134	1462	1922	3575	5387	5747	2607	1774	1628
MAX	10650	4435	3821	3374	3683	6209	10120	21520	15380	9212	9335	11870
(WY)	1942	1987	1966	1986	1987	1916	1942	1941	1941	1957	1929	1927
MIN	205	345	408	335	519	463	399	339	556	236	80.4	64.5
(WY)	1957	1935	1957	1931	1964	1964	1977	1977	1977	1963	1939	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1915-17, 1927-95	
ANNUAL TOTAL	650837		1014089			
ANNUAL MEAN	1783		2778		2445	
HIGHEST ANNUAL MEAN					7437	1927
LOWEST ANNUAL MEAN					844	1977
HIGHEST DAILY MEAN	8290	Jun 6	11600	Jun 19	52000	Jun 30 1927
LOWEST DAILY MEAN	338	Aug 6	734	Oct 14	.00	Jul 3 1934
ANNUAL SEVEN-DAY MINIMUM	377	Aug 2	888	Jan 20	.00	Jul 3 1934
ANNUAL RUNOFF (AC-FT)	1291000		2011000		1771000	
10 PERCENT EXCEEDS	5400		6680		6010	
50 PERCENT EXCEEDS	1030		1520		1340	
90 PERCENT EXCEEDS	597		966		497	

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1929 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1941 to September 1977, October 1980 to current year.

WATER TEMPERATURES: May 1944 to September 1961, October 1964 to current year.

SUSPENDED-SEDIMENT DISCHARGE:July 1929 to September 1980.

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

INSTRUMENTATION.--Water-quality monitor since October 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,790 microsiemens Sept. 19, 1959; minimum daily, 208 microsiemens June 17, 1952.

WATER TEMPERATURES: Maximum, 33.0°C July 31, 1959; minimum, 0.0°C on many days during winter period of most years.

SEDIMENT CONCENTRATIONS:Maximum daily mean, 383,000 mg/L Sept. 21, 1929; minimum daily mean, no flow on several days in 1934 and 1939.

SEDIMENT LOADS: Maximum daily, 15,700,000 tons Oct. 20, 1972; minimum daily, 0 tons on several days in 1934 and 1939.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1,930 microsiemens Sept. 8; minimum observed, 320 microsiemens June 21.

WATER TEMPERATURES: Maximum recorded, 28.9°C Aug. 9, 10; minimum recorded, 1.2°C Dec. 3.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT 04...	1100	1080	980	8.2	24.0	17.0	--	7.9	655	420	130
NOV 23...	1200	1030	820	8.2	4.0	4.0	140	10.9	665	300	83
DEC 20...	1230	920	850	8.4	7.0	2.0	--	11.8	660	310	85
JAN 24...	1230	910	900	8.4	2.0	3.0	--	11.5	660	310	85
MAR 22...	1300	3170	490	8.1	14.5	11.0	230	9.6	655	200	54
MAY 25...	1330	7350	310	8.2	17.0	12.5	--	9.0	655	110	34
SEP 26...	1200	880	710	8.3	24.5	17.0	58	7.9	655	260	72

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT 04...	22	52	21	1	4.2	--	--	--	360	17	0.40
NOV 23...	22	50	27	1	2.5	0	176	144	240	15	0.30
DEC 20...	23	53	27	1	2.6	--	--	--	260	17	0.30
JAN 24...	24	62	30	2	2.6	--	--	--	280	19	0.30
MAR 22...	15	26	22	0.8	2.3	0	132	108	130	7.9	0.20
MAY 25...	7.1	14	21	0.6	1.5	--	--	--	60	3.1	0.20
SEP 26...	20	43	26	1	2.3	0	164	133	210	13	0.20

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

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

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 04...	8.7	700	684	0.95	2040	0.600	--	<0.010	0.600	0.600
NOV 23...	8.6	553	511	0.75	1540	0.390	--	<0.010	0.390	0.390
DEC 20...	8.3	566	535	0.77	1410	0.290	--	<0.010	0.290	0.290
JAN 24...	7.3	588	567	0.80	1440	0.430	0.430	0.010	0.440	0.440
MAR 22...	9.8	324	312	0.44	2770	0.220	--	<0.010	0.220	0.220
MAY 25...	8.0	186	181	0.25	3690	0.240	0.240	0.010	0.250	0.250
SEP 26...	7.5	476	450	0.65	1130	0.090	0.090	0.010	0.100	0.100

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
OCT 04...	<0.015	--	--	--	--	--	--	--	0.020	0.06
NOV 23...	<0.015	--	0.40	0.40	--	0.79	0.130	<0.010	<0.010	--
DEC 20...	<0.015	--	--	--	--	--	--	--	<0.010	--
JAN 24...	0.020	0.03	--	--	--	--	--	--	0.010	0.03
MAR 22...	<0.015	--	--	<0.20	--	--	0.020	<0.010	0.010	0.03
MAY 25...	0.030	0.04	--	--	--	--	--	--	0.020	0.06
SEP 26...	<0.015	--	0.40	0.40	<0.20	0.50	0.130	0.040	<0.010	--

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 23...	1200	<10	99	<3	<3	47	2
MAR 22...	1300	30	70	<3	23	20	1
SEP 26...	1200	<10	76	<3	<3	28	2

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)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)
NOV 23...	20	<1	1	<1.0	1000	<6
MAR 22...	<10	<1	1	<1.0	620	<6
SEP 26...	10	<1	<2	<1.0	900	<6

DATE	TIME	BORON, DIS-SOLVED (UG/L AS B)
OCT 04...	1100	60
DEC 20...	1230	70
JAN 24...	1230	60
MAY 25...	1330	20

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SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SED SUSP. SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, SIEVE DIAM. % FINER THAN .062 MM	DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
23...	1200	1030	4.0	280	94	779
23...	1201	1030	4.0	247	98	687
23...	1202	1030	4.0	224	92	623
23...	1203	1030	4.0	284	98	790
23...	1204	1030	4.0	260	97	723
23...	1205	1030	4.0	259	96	720
MAR						
22...	1300	3170	11.0	1540	64	13100
22...	1301	3170	11.0	3180	32	27200
22...	1302	3170	11.0	1830	55	15700
22...	1303	3170	11.0	1900	53	16300
22...	1304	3170	11.0	2140	46	18300
22...	1305	3170	11.0	2120	50	18100
SEP						
26...	1200	880	17.0	142	--	337
26...	1201	880	17.0	198	--	470
26...	1202	880	17.0	154	--	366
26...	1203	880	17.0	144	--	342
26...	1204	880	17.0	157	--	373
26...	1205	880	17.0	159	--	378

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	840	790	811	580	560	574
2	---	---	---	---	---	---	880	810	845	580	570	575
3	---	---	---	---	---	---	870	830	850	580	570	574
4	---	---	---	---	---	---	870	820	843	580	560	571
5	940	820	870	---	---	---	870	850	857	580	560	569
6	900	840	861	---	---	---	850	780	821	---	---	---
7	1030	820	857	---	---	---	870	750	808	---	---	---
8	1320	800	866	---	---	---	---	---	---	---	---	---
9	860	790	838	---	---	---	---	---	---	---	---	---
10	850	760	805	---	---	---	---	---	---	---	---	---
11	830	790	810	---	---	---	---	---	---	---	---	---
12	850	780	808	---	---	---	---	---	---	---	---	---
13	840	780	815	---	---	---	---	---	---	---	---	---
14	840	800	818	---	---	---	---	---	---	---	---	---
15	870	820	847	---	---	---	---	---	---	---	---	---
16	890	710	801	---	---	---	---	---	---	---	---	---
17	1200	770	899	---	---	---	---	---	---	---	---	---
18	1210	820	940	---	---	---	---	---	---	---	---	---
19	970	800	874	---	---	---	---	---	---	---	---	---
20	850	690	754	---	---	---	---	---	---	---	---	---
21	760	590	661	---	---	---	880	830	860	---	---	---
22	---	---	---	---	---	---	860	800	823	---	---	---
23	---	---	---	---	---	---	830	760	780	---	---	---
24	---	---	---	850	830	843	780	730	748	---	---	---
25	---	---	---	860	820	843	780	680	713	910	870	891
26	---	---	---	860	830	842	680	620	650	900	870	884
27	---	---	---	850	830	841	620	600	612	890	750	820
28	---	---	---	860	840	846	610	590	600	750	720	742
29	---	---	---	860	790	819	600	580	589	760	740	749
30	---	---	---	850	780	811	590	570	580	---	---	---
31	---	---	---	---	---	---	580	560	576	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	590	570	582	---	---	---	---	---	---
2	---	---	---	590	570	580	---	---	---	---	---	---
3	---	---	---	590	570	583	---	---	---	---	---	---
4	---	---	---	620	590	597	---	---	---	---	---	---
5	---	---	---	620	590	608	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	880	810	846	---	---	---	---	---	---	---	---	---
23	880	810	846	510	480	499	---	---	---	---	---	---
24	880	830	849	510	480	500	---	---	---	---	---	---
25	840	760	806	510	490	497	---	---	---	---	---	---
26	760	610	686	501	470	490	---	---	---	---	---	---
27	610	560	584	500	480	496	---	---	---	---	---	---
28	590	560	580	510	480	500	---	---	---	---	---	---
29	---	---	---	520	490	502	---	---	---	---	---	---
30	---	---	---	510	330	459	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	510	450	482	790	670	726
2	---	---	---	---	---	---	530	450	485	710	570	644
3	---	---	---	---	---	---	530	420	491	680	560	635
4	---	---	---	---	---	---	540	450	498	700	610	646
5	---	---	---	---	---	---	550	440	500	700	610	658
6	---	---	---	---	---	---	550	440	505	720	630	683
7	---	---	---	---	---	---	580	440	513	740	660	692
8	---	---	---	---	---	---	580	470	527	1930	700	879
9	---	---	---	---	---	---	560	460	530	1140	690	803
10	---	---	---	---	---	---	578	490	548	920	670	761
11	---	---	---	---	---	---	1040	520	574	1250	725	1080
12	---	---	---	---	---	---	1130	540	644	1200	770	932
13	---	---	---	---	---	---	620	540	584	850	720	788
14	---	---	---	---	---	---	630	470	578	770	690	731
15	---	---	---	---	---	---	640	550	583	740	680	709
16	---	---	---	---	---	---	620	540	579	760	650	701
17	---	---	---	---	---	---	610	510	565	760	670	715
18	---	---	---	---	---	---	648	550	592	770	650	714
19	---	---	---	---	---	---	660	580	630	740	650	695
20	440	360	407	---	---	---	647	580	617	770	680	725
21	440	320	391	---	---	---	670	590	626	790	730	762
22	---	---	---	---	---	---	1030	590	693	800	739	762
23	---	---	---	---	---	---	750	600	687	820	720	764
24	---	---	---	---	---	---	700	640	674	790	730	751
25	---	---	---	---	---	---	827	640	687	780	730	755
26	---	---	---	500	390	454	830	620	717	780	720	745
27	---	---	---	500	400	461	980	650	788	780	730	760
28	---	---	---	520	390	462	880	620	743	1040	730	773
29	---	---	---	510	400	474	810	630	704	780	730	751
30	---	---	---	520	420	476	780	650	706	800	690	736
31	---	---	---	520	440	482	800	680	707	---	---	---
MONTH	---	---	---	---	---	---	1130	420	605	1930	560	749

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.6	16.7	18.2	---	---	---	---	---	---	---	---	---
2	18.4	15.2	16.9	---	---	---	---	---	---	3.7	2.5	3.1
3	17.7	14.5	16.0	---	---	---	---	---	---	3.5	2.0	2.6
4	17.8	16.6	17.3	---	---	---	---	---	---	3.3	2.5	3.0
5	17.2	15.0	16.2	---	---	---	---	---	---	4.4	3.2	3.7
6	15.2	13.6	14.6	---	---	---	---	---	---	4.7	2.1	4.0
7	15.6	14.1	14.9	---	---	---	---	---	---	4.7	4.0	4.2
8	---	---	---	---	---	---	---	---	---	5.4	3.8	4.4
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	9.7	7.7	8.7	---	---	---	6.2	4.7	5.7
11	---	---	---	9.0	7.8	8.4	---	---	---	6.9	4.0	5.9
12	---	---	---	9.4	8.3	8.9	2.5	1.6	2.1	7.4	1.3	6.4
13	---	---	---	8.3	6.8	7.7	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	6.6	5.4	6.0
16	---	---	---	5.5	4.7	5.1	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	4.1	1.8	3.5
19	---	---	---	---	---	---	---	---	---	3.7	2.2	3.1
20	---	---	---	---	---	---	---	---	---	3.6	2.4	3.1
21	---	---	---	---	---	---	---	---	---	3.6	3.0	3.4
22	---	---	---	---	---	---	---	---	---	4.3	2.8	3.5
23	---	---	---	---	---	---	2.2	1.2	1.7	3.9	2.8	3.5
24	---	---	---	4.4	2.4	3.6	3.2	2.2	2.7	4.2	3.3	3.8
25	---	---	---	---	---	---	5.2	3.2	3.8	4.2	3.5	3.8
26	---	---	---	---	---	---	5.5	3.1	4.4	5.0	4.0	4.5
27	---	---	---	---	---	---	---	---	---	5.6	4.5	4.9
28	---	---	---	---	---	---	4.6	3.6	4.1	4.9	3.8	4.4
29	---	---	---	3.1	1.8	2.3	3.8	3.0	3.3	---	---	---
30	---	---	---	---	---	---	4.8	2.4	3.4	4.1	2.3	3.3
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	15.9	13.2	14.5
2	5.5	3.7	4.7	---	---	---	---	---	---	15.8	13.7	14.7
3	---	---	---	---	---	---	---	---	---	15.8	13.2	14.6
4	---	---	---	---	---	---	---	---	---	15.9	13.4	14.8
5	5.9	4.6	5.4	---	---	---	---	---	---	15.8	14.1	14.8
6	6.0	4.7	5.5	---	---	---	---	---	---	14.4	12.2	13.0
7	6.0	4.7	5.4	7.9	6.4	7.1	---	---	---	13.4	11.3	12.1
8	5.7	4.7	5.1	---	---	---	---	---	---	13.3	11.0	11.9
9	4.9	4.2	4.7	---	---	---	---	---	---	14.9	12.1	13.3
10	5.1	3.9	4.6	---	---	---	---	---	---	15.0	13.1	14.1
11	5.3	4.4	4.9	8.5	6.0	7.0	---	---	---	15.3	12.7	14.3
12	5.7	4.5	5.1	---	---	---	---	---	---	15.1	13.2	14.2
13	6.0	4.9	5.5	---	---	---	---	---	---	14.4	12.2	13.3
14	6.9	5.9	6.3	---	---	---	---	---	---	15.5	12.9	14.0
15	6.8	5.6	6.3	---	---	---	12.4	11.0	11.7	16.5	13.9	15.3
16	6.8	4.7	5.7	---	---	---	---	---	---	16.3	13.7	15.4
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	15.9	12.6	13.9
20	---	---	---	---	---	---	---	---	---	16.7	14.1	15.6
21	---	---	---	---	---	---	---	---	---	16.8	14.7	15.9
22	---	---	---	---	---	---	---	---	---	16.8	15.0	16.0
23	---	---	---	---	---	---	---	---	---	15.8	13.7	14.8
24	---	---	---	---	---	---	---	---	---	15.1	13.4	14.0
25	---	---	---	---	---	---	---	---	---	13.9	12.5	13.4
26	---	---	---	---	---	---	---	---	---	14.1	12.9	13.7
27	---	---	---	---	---	---	14.8	12.8	13.8	14.9	12.7	13.8
28	---	---	---	---	---	---	15.3	12.7	14.0	14.8	13.7	14.1
29	---	---	---	---	---	---	16.0	13.4	14.7	14.6	13.2	13.7
30	---	---	---	---	---	---	15.9	14.1	15.0	15.7	13.0	14.2
31	---	---	---	---	---	---	---	---	---	16.3	13.6	14.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09379500 SAN JUAN RIVER NEAR BLUFF, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.4	14.6	16.0	20.3	17.9	19.1	26.7	23.9	25.2	26.0	23.5	25.0
2	17.6	15.9	16.8	20.2	17.6	18.6	26.7	24.0	25.5	27.0	24.1	25.3
3	17.4	15.3	16.3	18.8	17.2	18.0	26.7	24.4	25.8	27.0	24.4	25.8
4	16.9	14.4	15.7	18.6	16.2	17.3	27.1	24.6	25.9	26.9	24.4	25.7
5	17.5	15.7	16.7	19.4	16.1	17.7	27.6	24.8	26.2	26.5	24.0	25.2
6	17.4	15.5	16.5	21.1	17.2	18.8	27.9	24.9	26.5	26.0	24.8	25.5
7	16.8	15.3	16.0	22.4	18.3	20.2	27.9	25.3	26.9	25.4	23.4	24.5
8	15.7	14.4	15.1	23.2	19.7	21.5	28.3	25.4	27.0	25.5	22.7	24.4
9	15.7	13.4	14.6	23.0	20.5	22.0	28.9	26.1	27.6	23.8	21.9	22.7
10	16.2	13.8	15.2	23.1	19.9	21.8	28.9	26.9	28.2	23.8	21.8	22.8
11	16.9	14.5	15.7	23.0	20.2	21.8	28.7	26.5	27.6	23.6	20.9	22.1
12	17.6	15.1	16.3	22.6	20.1	21.6	28.0	26.0	26.9	22.9	20.8	21.7
13	18.0	15.6	16.9	22.4	20.4	21.7	28.1	26.4	27.4	22.2	19.9	21.0
14	18.0	15.7	17.2	23.4	20.2	21.4	28.1	25.7	26.8	22.1	19.9	20.9
15	17.9	15.7	16.8	23.6	20.7	22.1	27.5	25.3	26.5	22.2	20.1	21.1
16	17.1	15.1	15.9	23.6	20.7	22.2	27.5	25.3	26.2	22.5	20.4	21.4
17	15.4	14.1	14.7	23.4	22.0	22.7	27.1	24.6	25.8	23.0	21.0	22.1
18	16.0	13.1	14.4	23.3	22.1	22.9	27.1	24.9	26.3	23.0	21.7	22.4
19	17.0	13.4	15.1	24.5	21.9	23.2	27.1	25.1	25.9	22.7	20.7	21.7
20	18.0	14.7	16.3	24.4	22.3	23.6	27.0	24.5	25.7	22.2	19.9	20.9
21	18.2	15.5	17.0	24.8	22.3	23.7	27.6	25.1	26.5	21.3	19.8	20.6
22	18.2	15.7	17.2	24.9	22.1	23.7	27.6	25.3	26.4	20.3	17.8	18.9
23	18.0	15.3	17.0	24.3	21.8	23.1	26.9	24.6	25.7	---	---	---
24	18.4	15.5	17.1	24.5	21.6	23.2	26.9	24.7	25.9	---	---	---
25	18.7	15.8	17.3	25.0	21.8	23.7	26.9	24.9	26.1	---	---	---
26	19.0	16.7	17.9	25.1	22.4	23.9	26.9	24.2	25.7	18.5	16.8	17.6
27	19.0	16.7	18.1	25.6	22.8	24.2	26.9	24.4	25.7	19.1	16.6	18.2
28	19.0	16.2	18.0	26.5	23.4	24.8	26.8	24.9	25.8	19.8	18.8	19.4
29	19.1	17.5	18.5	26.6	24.2	25.5	26.8	24.7	26.0	20.1	18.5	19.3
30	19.7	17.5	18.6	25.9	23.9	25.0	26.7	24.1	25.5	18.5	15.6	17.0
31	---	---	---	26.2	23.4	25.0	26.2	23.6	24.9	---	---	---
MONTH	19.7	13.1	16.5	26.6	16.1	22.1	28.9	23.6	26.3	---	---	---

09379900 LAKE POWELL AT GLEN CANYON DAM, AZ

LOCATION.--Lat 36o56'12", long 111o29'00", in sec. 24, T. 41 N., R. 8 E., Coconino County, Hydrologic Unit 14070006, at Glen Canyon Dam on Colorado River, 900 ft upstream from bridge on U.S. Highway 89, 1.4 mi downstream from Wahweap Creek, 2 mi northwest of Page, and 12 mi downstream from Utah-Arizona State line.

DRAINAGE AREA.--111,700 mi2, approximately, including 3,959 mi2 in Great Divide Basin in southern Wyoming, which is noncontributing.

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

GAGE.--Water-stage recorder. Datum of gage is 3,370 ft above sea level. Prior to Sept. 1, 1964, nonrecording gage at same site and datum.

REMARKS.--Reservoir is formed by concrete-arch gravity dam; storage began Mar. 13, 1963; dam completed September 1963. Total capacity, (from capacity table computed by U.S. Bureau of Reclamation, based on a survey completed in 1985; used since October 1, 1990) 26,215,000 acre-ft, consisting of the following: Dead storage, 1,893,000 acre-ft below elevation 3,370 ft--sill of outlet gates usable contents, 24,322,000 acre-ft between elevations 3,370 ft and 3,700 ft--top of conservation pool. Reservoir is used for power development, to provide storage replacement for upstream irrigation development, and to meet downstream requirements under the Colorado River Compact of 1922. Figures given herein represent usable contents; prior to Oct. 1, 1968, figures of total contents were published (prior to sealing of diversion tunnel July 7, 1965, all storage was usable).

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES (at 2400) FOR PERIOD OF RECORD.--Maximum contents, 26,373,000 acre-ft July 14, 1983, elevation, 3,708.34 ft; minimum since power pool level was reached (Aug. 16, 1964), 4,166,000 acre-ft Mar. 18, 1965, elevation, 3,490.76 ft.

EXTREMES (at 2400) FOR CURRENT YEAR.--Maximum contents, 23,332,000 acre-ft Aug. 3, elevation, 3,693.75 ft; minimum, 16,552,000 acre-ft Mar. 4, elevation, 3,644.59 ft.

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

3,640	16,003,000	3,660	18,492,000	3,680	21,258,000
3,645	16,601,000	3,665	19,156,000	3,685	21,995,000
3,650	17,215,000	3,670	19,838,000	3,690	22,752,000
3,655	17,846,000	3,675	20,539,000	3,695	23,527,000

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY OBSERVATION AT 24:00 VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17765	17677	17505	17206	16831	16569	16632	16794	18412	21395	23315	22955
2	17760	17676	17491	17200	16827	16560	16633	16816	18468	21494	23321	22935
3	17760	17667	17482	17191	16817	16553	16632	16831	18526	21608	23332	22921
4	17753	17658	17471	17179	16811	16552	16633	16849	18601	21710	23323	22901
5	17751	17653	17464	17160	16804	16560	16628	16881	18671	21814	23316	22886
6	17742	17649	17456	17144	16798	16574	16628	16899	18760	21910	23309	22858
7	17736	17639	17445	17132	16793	16582	16627	16928	18848	22000	23299	22829
8	17736	17633	17431	17122	16790	16591	16638	16962	18937	22078	23288	22801
9	17733	17631	17426	17103	16774	16592	16636	16996	19041	22164	23279	22783
10	17729	17624	17422	17091	16767	16588	16640	17029	19143	22244	23274	22761
11	17722	17622	17414	17085	16757	16583	16648	17058	19329	22316	23254	22741
12	17722	17618	17400	17065	16748	16583	16650	17092	19320	22402	23235	22722
13	17722	17612	17389	17050	16740	16585	16634	17127	19401	22484	23221	22706
14	17711	17608	17377	17044	16722	16582	16654	17164	19487	22576	23217	22688
15	17706	17603	17360	17035	16715	16580	16656	17206	19578	22655	23196	22667
16	17709	17593	17350	17026	16706	16580	16700	17245	19683	22740	23187	22644
17	17704	17580	17340	17005	16691	16582	16657	17296	19786	22823	23167	22630
18	17704	17580	17335	16997	16684	16580	16678	17360	19917	22877	23156	22603
19	17701	17576	17320	16987	16676	16585	16681	17421	20051	22941	23138	22579
20	17699	17571	17304	16971	16666	16583	16685	17484	20186	22994	23125	22563
21	17698	17570	17299	16962	16653	16589	16695	17553	20316	23043	23111	22527
22	17699	17565	17289	16951	16642	16583	16715	17620	20438	23088	23091	22502
23	17698	17556	17276	16939	16629	16592	16730	17695	20557	23139	23074	22478
24	17698	17553	17271	16929	16617	16587	16737	17767	20675	23168	23057	22452
25	17695	17551	17267	16912	16605	16600	16745	17864	20787	23204	23046	22429
26	17694	17546	17260	16892	16597	16612	16746	17941	20886	23231	23032	22396
27	17692	17529	17251	16881	16585	16614	16754	18037	20996	23257	23029	22376
28	17692	17533	17247	16871	16570	16615	16763	18122	21093	23276	23014	22355
29	17692	17526	17237	16860	---	16621	16768	18209	21190	23299	22997	22328
30	17687	17517	17219	16853	---	16623	16787	18283	21299	23296	22982	22311
31	17685	---	17221	16843	---	16627	---	18351	---	23307	22972	---
MAX	17800	17700	17500	17200	16800	16600	16800	18400	21300	23300	23300	23000
MIN	17700	17500	17200	16800	16600	16600	16600	16800	18400	21400	23000	22300
(#)	3,653.73	3,652.40	3,650.04	3,646.98	3,644.74	3,645.21	3,646.52	3,658.91	3,680.28	3,693.59	3,691.43	3,687.10
(*)	-87	-168	-296	-378	-273	+57	+160	+1,564	+2,948	+2,008	-335	-661

CAL YEAR 1994 (*) -1,182
WTR YEAR 1995 (*) +4,539

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

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ sec. 5, T. 43 S., R. 6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--198 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above sea level, from topographic map. A crest-stage gage was in operation at this site from July 22, 1959, to Sept. 30, 1968 at different datum. July 6, 1979, to Sept. 18, 1984, water-stage recorder at same site, different datum.

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

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

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

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
Mar. 6	0345	*362	*6.11	Sept. 9	1650	224	5.09

Minimum daily discharge, 3.0 ft$^3/_s$ (estimated), Sept. 1-3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	7.6	8.6	e8.9	13	e40	40	17	e9.5	e5.8	e5.5	e3.0
2	8.3	8.2	8.9	8.8	14	e35	39	16	e9.0	e5.8	5.5	e3.0
3	8.6	7.2	8.1	e10	15	28	39	16	e9.0	e5.9	5.1	e3.0
4	8.8	6.9	7.6	8.2	15	32	39	16	e8.5	e5.9	4.9	e3.5
5	9.0	7.2	7.5	9.6	16	63	40	15	e8.5	e6.0	4.7	e4.0
6	9.4	6.6	7.6	8.4	17	146	39	14	e8.0	e6.0	4.5	20
7	9.6	7.3	7.0	7.9	16	47	37	14	e8.0	e6.0	4.5	11
8	9.8	7.7	6.9	8.0	17	46	36	13	e8.5	e6.0	4.1	4.3
9	10	7.6	e7.5	8.7	16	41	33	13	e8.0	e5.8	4.1	8.1
10	10	6.6	e8.0	10	16	38	28	12	e7.5	e5.9	3.9	5.1
11	11	6.7	e7.8	12	16	90	28	11	e7.5	e6.0	3.8	5.2
12	11	7.7	e7.7	12	18	70	30	11	e7.0	e5.9	4.4	e7.0
13	11	6.6	7.7	10	18	51	33	10	e7.0	e6.0	3.9	e6.0
14	14	6.6	7.7	10	39	e45	37	9.6	e7.5	e6.0	3.9	e5.0
15	9.1	7.6	7.7	11	28	e40	36	9.0	e7.0	6.0	3.8	e4.5
16	6.5	6.5	e9.2	e11	11	e40	39	8.5	e7.0	5.4	e3.5	e4.5
17	6.1	6.7	8.7	e9.9	10	e40	37	8.2	e7.5	e6.0	e3.5	e5.0
18	6.0	6.6	9.6	e12	11	e43	35	8.3	e7.5	9.3	e3.5	5.3
19	6.1	6.5	9.0	12	15	e44	34	8.5	e7.5	e11	3.5	8.4
20	6.6	e9.1	8.9	12	25	e45	35	8.7	e7.5	5.8	e4.0	8.9
21	6.5	7.1	8.6	12	37	e55	37	8.9	e6.5	e15	e4.0	7.3
22	6.5	5.6	8.8	12	53	46	e35	9.0	e6.5	8.5	e4.5	6.2
23	6.3	e7.4	8.9	12	e55	61	e30	9.3	e6.4	e8.5	e4.5	6.7
24	6.2	6.6	10	13	e50	59	24	9.9	e6.3	e8.0	e4.0	7.1
25	7.0	6.6	11	13	36	47	21	13	e6.2	e8.5	e3.5	6.4
26	6.8	6.8	9.6	13	29	47	20	e12	e6.0	e8.5	e3.5	6.7
27	6.1	e8.1	8.6	15	25	50	19	e11	e5.9	e7.5	e3.5	6.0
28	6.1	e9.6	8.4	13	e30	48	19	e11	e5.8	e7.5	e3.5	5.8
29	6.2	10	8.0	e13	---	46	18	e10	e5.8	e7.0	e3.5	6.1
30	6.7	8.6	8.6	13	---	41	17	e10	e5.8	e6.0	e3.5	6.6
31	6.6	---	8.0	13	---	42	---	e9.5	---	e5.5	e3.5	---
TOTAL	250.0	219.9	260.2	342.4	661	1566	954	352.4	218.7	217.0	126.1	189.7
MEAN	8.06	7.33	8.39	11.0	23.6	50.5	31.8	11.4	7.29	7.00	4.07	6.32
MAX	14	10	11	15	55	146	40	17	9.5	15	5.5	20
MIN	6.0	5.6	6.9	7.9	10	28	17	8.2	5.8	5.4	3.5	3.0
AC-FT	496	436	516	679	1310	3110	1890	699	434	430	250	376

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1995, BY WATER YEAR (WY)

MEAN	11.4	10.7	11.9	12.7	18.3	26.6	26.5	11.0	7.41	7.35	8.81	9.31
MAX	25.7	15.2	21.7	16.8	45.1	72.4	132	27.6	12.1	13.8	16.5	17.3
(WY)	1982	1988	1980	1983	1980	1983	1980	1980	1981	1981	1981	1986
MIN	6.37	6.58	5.31	6.18	9.04	9.68	6.81	6.80	4.37	4.19	4.07	5.43
(WY)	1989	1990	1990	1987	1992	1988	1990	1991	1986	1982	1995	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1980 - 1995	
ANNUAL TOTAL	3178.6		5357.4			
ANNUAL MEAN	8.71		14.7		13.5	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					7.96	1991
HIGHEST DAILY MEAN	30	Sep 10	146	Mar 6	354	Apr 6 1980
LOWEST DAILY MEAN	3.0	Jul 20	3.0	Sep 1	3.0	Jun 15 1986
ANNUAL SEVEN-DAY MINIMUM	3.5	Jul 19	3.3	Aug 28	3.0	Jun 13 1986
ANNUAL RUNOFF (AC-FT)	6300		10630		9760	
10 PERCENT EXCEEDS	13		39		20	
50 PERCENT EXCEEDS	8.6		8.6		9.9	
90 PERCENT EXCEEDS	4.2		5.0		5.7	

e Estimated

09403690 JOHNSON WASH ABOVE FLOOD CANYON, NEAR KANAB, UT

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

DRAINAGE AREA.--237 mi^2.

PERIOD OF RECORD.--October 1994 to September 1995.

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

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

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

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

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Oct. 14	1050	182	9.34	Mar. 6	0110	*193	*10.49
Feb. 14	1840	89	8.15	Sept. 7	2350	15	8.23

Minimum daily discharge, 0.15 $ft^3/_s$, July 12, 13, Sept. 17-19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	e.32	.32	.32	.52	1.1	.25	.29	.25	.25	.19	.18
2	.23	e.32	.32	.32	.50	1.6	.24	.29	.25	.25	.18	.19
3	.23	e.32	.32	.32	.52	1.7	.24	.29	.25	.24	.18	.18
4	.23	e.32	.32	.32	.53	2.2	.23	.29	.25	.24	.18	.18
5	.23	e.32	.33	.35	.54	2.2	.23	.30	.25	.24	.18	.19
6	.24	e.32	.35	.36	.54	e4.0	.22	.30	.25	.25	.18	.20
7	.23	e.32	.35	.38	.55	e1.0	.21	.30	.26	.25	.18	.44
8	.23	e.32	.33	.40	.57	e.70	.21	.30	.26	.25	.18	.80
9	.23	e.32	.33	.41	.57	e.50	.20	.31	.27	.24	.18	.22
10	.23	e.32	.33	.43	.56	e.40	.20	.31	.27	.25	.18	.22
11	.23	e.32	.33	.52	.55	e.50	.20	.30	.27	.24	.18	.23
12	.23	e.32	.33	.64	.56	e.60	.19	.31	.27	.15	.19	.20
13	.23	e.32	.35	.45	.58	e.60	.18	.32	.27	.15	.19	.16
14	e8.0	e.32	.37	.44	e12	e.50	.18	.32	.28	.16	.19	.16
15	e6.0	e.30	.37	.46	e3.0	e.40	.18	e.31	.28	.16	.20	.16
16	e3.0	e.30	.37	.44	e1.0	e.40	.19	e.32	.29	.16	.20	.16
17	e1.7	e.30	.37	.42	e.80	e.40	.21	.32	.29	.16	.20	.15
18	e.60	e.30	.37	.42	e.60	e.40	.22	.32	.29	.17	.20	.15
19	e.40	e.30	.37	.42	e.50	e.40	.22	.31	.29	.16	.20	.15
20	e.39	e.30	.37	.44	e.40	e.40	.23	.32	.29	.17	.22	.16
21	e.36	.29	.37	.45	.37	e.30	.25	.33	.29	.17	.23	.16
22	e.34	.31	.37	.44	.43	.26	.37	.33	.29	.17	.22	.16
23	e.33	.29	.40	.44	.66	.26	.46	.33	.30	.17	.22	.16
24	e.33	.29	1.7	.45	.78	.26	.37	.37	.30	.18	.20	.17
25	e.32	.30	3.4	.48	.87	.27	.32	.39	.30	.18	.20	.17
26	e.32	.30	.38	.52	.93	.27	.32	.47	.30	.18	.20	.17
27	e.32	.29	.36	.52	.96	.27	.30	.48	.28	.18	.19	.17
28	e.32	.30	.35	.49	1.0	.28	.30	.37	.28	.18	.19	.18
29	e.32	.29	.35	.50	---	.27	.30	.26	.26	.18	.19	.18
30	e.32	.31	.35	.51	---	.25	.30	.26	.25	.18	.18	.18
31	e.32	---	.33	.51	---	.25	---	.26	---	.20	.18	---
TOTAL	26.69	9.25	15.26	13.57	31.39	22.94	7.52	9.98	8.23	6.11	5.98	6.18
MEAN	.86	.31	.49	.44	1.12	.74	.25	.32	.27	.20	.19	.21
MAX	8.0	.32	3.4	.64	12	4.0	.46	.48	.30	.25	.23	.80
MIN	.23	.29	.32	.32	.37	.25	.18	.26	.25	.15	.18	.15
AC-FT	53	18	30	27	62	46	15	20	16	12	12	12

WTR YR 1995 TOTAL 163.10 MEAN .45 MAX 12 MIN .15 AC-FT 324

e Estimated

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'19", long 112°36'13", in $SE^1/_4NE^1/_4NW^1/_4$ sec. 14, T. 40 S., R. 7 W., Kane County, Hydrologic Unit 15010008, on right bank 50 ft downstream from Lydia's Creek, and 1.0 mi north of the town of Glendale on U.S. Highway 89.

DRAINAGE AREA.--74.2 mi^2.

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

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

REMARKS.--No estimated daily discharges. Records good. A few small diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 640 ft^3/s, July 27, 1976, gage height, 4.14 ft; minimum daily discharge, 3.3 ft^3/s, June 20, 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1400	109	1.95	Mar. 11	1700	*157	*2.16
Mar. 5	2300	142	2.10	Mar. 21	2400	101	1.91

Minimum daily discharge, 6.1 ft^3/s, Aug. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	14	12	12	21	30	34	42	31	17	8.0	8.1
2	7.0	14	15	12	20	29	34	44	32	17	8.2	8.0
3	7.2	16	17	12	20	32	33	44	33	16	8.8	7.6
4	8.0	15	17	13	19	34	33	43	32	14	7.9	7.0
5	9.2	15	17	18	19	54	34	44	29	14	7.0	6.9
6	9.8	15	17	16	20	59	34	46	24	13	6.1	8.3
7	10	15	13	16	19	37	35	43	25	13	6.6	9.7
8	10	15	12	16	19	33	37	42	32	11	7.6	16
9	9.7	15	11	19	19	30	40	41	31	11	6.8	14
10	9.9	16	11	18	19	32	37	40	28	10	7.7	12
11	10	15	12	22	19	84	37	39	26	9.4	9.0	11
12	10	18	12	19	19	85	36	40	22	12	8.9	10
13	11	17	13	17	19	58	36	40	21	13	8.5	10
14	18	12	15	17	60	52	38	39	21	13	8.0	8.7
15	17	11	14	18	35	52	38	37	22	12	7.9	8.4
16	17	11	12	17	28	51	36	37	23	12	9.3	8.6
17	17	10	12	15	26	53	42	37	28	13	11	9.4
18	16	13	12	15	24	55	45	34	26	14	9.1	9.7
19	15	12	12	15	23	60	44	34	23	12	8.9	8.7
20	15	12	12	15	24	60	44	33	21	12	10	8.3
21	14	13	12	15	25	68	46	33	21	12	11	8.0
22	14	13	12	15	26	80	44	32	22	11	11	8.3
23	14	12	15	15	26	64	41	32	20	11	11	9.0
24	14	12	18	18	26	62	40	44	18	11	10	8.8
25	14	13	20	19	27	55	39	54	18	9.9	9.5	8.8
26	14	14	16	18	25	49	38	44	17	9.1	9.6	8.7
27	14	12	14	17	25	46	38	38	15	8.2	9.5	8.7
28	14	12	14	16	26	42	38	36	15	8.2	8.2	9.4
29	14	12	14	16	---	37	39	38	18	7.6	8.0	11
30	14	12	14	15	---	36	40	36	20	7.9	7.8	9.9
31	14	---	13	19	---	35	---	33	---	8.1	7.9	---
TOTAL	388.3	406	430	505	678	1554	1150	1219	714	362.4	268.8	281.0
MEAN	12.5	13.5	13.9	16.3	24.2	50.1	38.3	39.3	23.8	11.7	8.67	9.37
MAX	18	18	20	22	60	85	46	54	33	17	11	16
MIN	7.0	10	11	12	19	29	33	32	15	7.6	6.1	6.9
AC-FT	770	805	853	1000	1340	3080	2280	2420	1420	719	533	557

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1995, BY WATER YEAR (WY)

MEAN	13.8	15.4	16.5	16.9	19.3	25.9	40.6	32.3	16.1	12.0	11.8	11.3
MAX	22.5	24.6	30.2	26.2	36.4	54.3	145	131	43.6	28.3	26.6	24.7
(WY)	1984	1984	1967	1980	1980	1993	1980	1980	1980	1983	1983	1980
MIN	6.60	8.38	9.58	9.40	9.90	11.5	8.93	6.38	5.16	5.55	5.72	5.10
(WY)	1990	1990	1990	1991	1991	1977	1989	1989	1989	1991	1991	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1967 - 1995	
ANNUAL TOTAL	4612.3		7956.5			
ANNUAL MEAN	12.6		21.8		19.3	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	37	Mar 16	85	Mar 12	285	Apr 21 1980
LOWEST DAILY MEAN	4.8	Jun 29	6.1	Aug 6	3.3	Jun 20 1989
ANNUAL SEVEN-DAY MINIMUM	4.9	Jun 29	7.1	Aug 4	3.7	Jun 19 1989
ANNUAL RUNOFF (AC-FT)	9150		15780		13990	
10 PERCENT EXCEEDS	21		42		28	
50 PERCENT EXCEEDS	12		16		15	
90 PERCENT EXCEEDS	6.0		8.7		7.9	

09404700 EAST FORK VIRGIN RIVER NEAR MOUNT CARMEL JUNCTION, UT

LOCATION.--Lat 37°12'30", long 112°41'16", in $SE^1/_4SW^1/_4SE^1/_4$ sec. 25, T. 41 S., R. 8 W., Kane County, Hydrologic Unit 15010008, on left bank, 0.9 mi downstream of State Barn Wash, and 1.0 mi south of Mount Carmel Junction.

DRAINAGE AREA.--179.3 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,140 above sea level, from topographic map.

REMARKS.--Records good except those for discharges greater than 195 ft^3/s and those for estimated daily discharges, which are poor. Many diversions for irrigation above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 18, 1992 reached a stage of 5.34 ft, present datum, from floodmarks, discharge, 550 ft^3/s, on basis of slope-area measurement of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 738 ft^3/s, Sept. 8, 1995, gage height, 5.24 ft, from rating curve extended above 200 ft^3/s on basis of slope-area measurement; minimum daily discharge 0.89 ft^3/s, Aug. 21, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 738 ft^3/s, Sept. 8, gage height, 5.24 ft, from rating curve extended above 200 ft^3/s on basis of slope-area measurement; minimum daily discharge 2.9 ft^3/s, Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	14	e19	e22	26	31	46	42	28	13	4.0	4.1
2	2.9	15	20	e23	27	39	47	44	27	12	4.2	4.4
3	3.1	18	20	e21	27	39	45	45	29	12	4.1	4.2
4	3.4	16	20	20	27	40	46	42	28	11	3.7	3.9
5	4.0	17	20	20	27	81	46	42	25	10	3.7	3.9
6	6.7	17	21	20	27	113	46	45	22	9.2	3.4	41
7	6.6	16	21	21	27	43	47	42	22	8.3	3.6	14
8	6.1	16	19	21	26	42	50	40	30	7.7	e3.8	e38
9	5.6	16	e17	24	26	39	54	36	29	7.3	e3.6	e17
10	5.8	16	e16	25	26	43	49	34	26	7.6	e4.0	e12
11	5.5	16	e17	31	26	117	47	34	24	6.4	e4.8	e8.1
12	5.7	22	e18	27	25	121	46	33	20	7.1	e5.0	7.2
13	5.8	21	e20	24	26	78	44	33	18	8.3	e5.2	5.0
14	26	20	e20	25	124	70	45	34	17	8.4	4.4	4.3
15	34	20	e18	25	57	68	46	31	19	7.1	4.2	4.0
16	21	20	e17	25	40	69	44	32	19	6.9	5.5	3.8
17	18	19	e17	22	35	71	52	37	25	7.4	5.3	4.0
18	18	21	e17	e20	35	71	58	33	25	8.4	4.3	4.5
19	15	20	e17	e20	34	76	61	33	22	6.8	4.3	3.9
20	14	20	e17	e20	34	76	58	31	18	6.5	4.6	3.8
21	15	21	e18	e21	31	81	58	30	18	6.4	6.1	3.9
22	16	21	e19	e22	27	89	55	30	19	5.8	6.3	3.6
23	15	20	20	22	27	73	52	30	17	6.0	7.8	3.6
24	15	21	25	23	27	69	49	41	15	5.8	5.8	3.5
25	14	21	29	25	28	64	45	62	16	5.1	4.6	3.6
26	14	21	23	27	27	58	44	44	15	4.7	4.6	3.7
27	14	e20	21	25	27	56	43	38	13	5.4	4.4	3.7
28	14	e18	21	23	27	54	45	35	13	5.1	4.2	13
29	15	e17	21	e22	---	50	45	37	14	4.2	4.8	10
30	14	e18	21	e22	---	47	45	36	17	4.3	4.0	7.3
31	14	---	19	23	---	47	---	30	---	4.0	4.4	---
TOTAL	370.2	558	608	711	923	2015	1458	1156	630	228.2	142.7	247.0
MEAN	11.9	18.6	19.6	22.9	33.0	65.0	48.6	37.3	21.0	7.36	4.60	8.23
MAX	34	22	29	31	124	121	61	62	30	13	7.8	41
MIN	2.9	14	16	20	25	31	43	30	13	4.0	3.4	3.5
AC-FT	734	1110	1210	1410	1830	4000	2890	2290	1250	453	283	490

CAL YR 1994 TOTAL 4938.00 MEAN 13.5 MAX 49 MIN .89 AC-FT 9790
WTR YR 1995 TOTAL 9047.1 MEAN 24.8 MAX 124 MIN 2.9 AC-FT 17940

e Estimated

09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°09'51", long 112°57'28", in $SE^1/_4SW^1/_4NW^1/_4$ sec. 2, T. 42 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 0.7 mi upstream from Zion National Park boundary, 1.2 mi upstream from Shunes Creek, 2.7 mi southeast of Springdale, and 3.4 mi south-southeast of Zion National Park headquarters.

DRAINAGE AREA.--395 mi^2, approximately.

PERIOD OF RECORD.-October 1991 to current year.

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

REMARKS.--No estimated daily discharges. Records good except those for Oct. 16 to Nov. 16, Mar. 5 to June 15, July 17 to Aug. 9, and those for flows above 200 $ft^3/_s$, which are fair. Numerous diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,160 $ft^3/_s$, Sept. 6, 1995, gage height, 10.05 ft, from rating curve extended above 200 $ft^3/_s$ on basis of slope-area measurements at gage heights 6.41 ft and 9.70 ft; minimum daily discharge, 33 $ft^3/_s$, Sept. 7-9, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,160 $ft^3/_s$, Sept. 6, gage height, 10.05 ft, from rating curve extended as explained above; minimum daily discharge, 36 $ft^3/_s$, Sept. 21, 23-26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	48	58	58	64	120	83	81	61	47	38	43
2	43	48	58	57	66	131	84	80	59	44	38	43
3	43	53	57	57	66	109	82	84	62	44	38	43
4	43	53	58	60	65	109	81	82	61	43	39	43
5	46	53	58	66	65	273	83	83	58	41	39	42
6	48	53	58	60	65	323	84	86	54	41	39	306
7	46	52	60	60	65	109	84	82	53	40	39	56
8	44	52	58	63	66	96	85	80	62	38	39	109
9	44	51	54	71	65	89	89	77	66	38	40	70
10	43	52	55	84	64	90	85	74	60	38	44	57
11	44	52	58	127	64	207	82	72	57	37	42	44
12	44	60	57	82	63	236	80	73	53	39	48	40
13	45	62	59	67	64	151	78	74	49	39	58	38
14	78	58	58	67	253	120	77	74	47	40	45	38
15	108	55	57	68	120	115	78	73	50	39	43	38
16	57	58	57	72	79	115	77	71	56	37	45	37
17	48	56	57	63	72	119	87	75	60	149	46	37
18	48	61	58	58	69	119	99	70	66	61	43	37
19	46	58	57	62	70	125	98	68	59	42	43	37
20	47	55	57	62	71	123	103	66	54	40	67	37
21	46	59	57	62	73	129	104	65	52	39	57	36
22	48	58	58	60	75	142	99	65	53	39	55	37
23	48	57	60	59	77	126	92	65	53	38	53	36
24	47	58	67	65	76	116	92	102	49	39	44	36
25	47	59	76	68	82	113	88	117	48	39	42	36
26	47	61	65	98	79	99	83	82	49	38	42	36
27	47	57	61	96	78	97	80	76	47	38	41	37
28	48	57	60	65	79	93	82	68	45	39	41	37
29	48	56	62	63	---	88	82	71	52	38	41	54
30	48	57	62	61	---	85	83	73	56	38	42	38
31	48	---	59	63	---	84	---	65	---	38	42	---
TOTAL	1531	1669	1836	2124	2195	4051	2584	2374	1651	1360	1373	1578
MEAN	49.4	55.6	59.2	68.5	78.4	131	86.1	76.6	55.0	43.9	44.3	52.6
MAX	108	62	76	127	253	323	104	117	66	149	67	306
MIN	43	48	54	57	63	84	77	65	45	37	38	36
AC-FT	3040	3310	3640	4210	4350	8040	5130	4710	3270	2700	2720	3130

CAL YR 1994 TOTAL 19024 MEAN 52.1 MAX 126 MIN 35 AC-FT 37730
WTR YR 1995 TOTAL 24326 MEAN 66.6 MAX 323 MIN 36 AC-FT 48250

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°12'35", long 112°58'40", in $NW^1/_4SW^1/_4NW^1/_4$ sec. 22, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 0.2 mi downstream from point of diversion of Springdale Canal, 0.5 mi downstream from Pine Creek, and 1.9 mi northeast of Springdale.

DRAINAGE AREA.--344 mi^2.

PERIOD OF RECORD.--May 1913 to June 1914, June to November 1923, April to June, August and September 1925 (fragmentary), October 1925 to current year. Published as Zion Creek near Springdale 1913-14 and as Mukuntuweap River near Springdale 1923, 1925-32. Published as combined flow of river and Springdale canal 1923, 1925-88.

GAGE.--Water-stage recorder. Crest-stage gage since May 31, 1995. Elevation of gage is 3,970 ft above sea level, from topographic map. May 13, 1913, to June 30, 1914, nonrecording gage at site 3.8 mi downstream at different datum. June 6, 1923, to Dec. 14, 1949, nonrecording gages at several sites within 0.8 mi of present site at various datums.

REMARKS.--No estimated daily discharges. Records good except those for flows above 300 $ft^3/_s$, which are fair. Several diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,150 $ft^3/_s$, Dec. 6, 1966, gage height, 12.98 ft, from rating curve extended above 2,000 $ft^3/_s$ on basis of drift measurement at gage height 6.7 ft, and slope-area measurement at gage height 10.25 ft; minimum estimated, less than 5.0 $ft^3/_s$, Apr. 12, 1995, result of landslide 1.0 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,690 $ft^3/_s$, Mar. 5, gage height, 6.95 ft; minimum daily discharge, 31 $ft^3/_s$, Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	42	48	43	70	220	138	793	734	185	83	55
2	33	48	48	49	76	206	150	1060	736	167	63	62
3	31	49	49	44	72	187	141	899	792	160	61	62
4	70	44	51	61	70	240	187	934	771	152	59	62
5	52	45	50	70	70	737	256	832	761	143	59	60
6	53	47	51	57	70	424	302	648	684	134	58	110
7	43	48	56	57	70	186	311	534	550	131	57	66
8	41	45	43	58	68	152	361	518	501	134	55	78
9	39	45	35	99	65	131	376	570	444	134	55	88
10	38	44	38	99	63	138	265	701	419	132	60	73
11	37	44	45	195	63	751	250	746	435	131	66	68
12	36	63	45	98	64	498	259	787	450	137	124	63
13	36	55	55	69	63	300	383	659	440	128	98	60
14	76	42	48	68	665	251	432	605	409	121	73	62
15	180	42	47	90	162	245	334	735	368	103	65	58
16	55	53	45	83	100	260	285	786	333	95	83	54
17	49	46	48	52	85	282	266	735	347	95	84	50
18	48	52	50	42	81	292	294	749	338	125	66	47
19	44	43	48	51	82	304	264	772	284	98	62	51
20	44	44	48	59	86	306	247	819	259	92	127	56
21	43	54	48	60	97	375	229	871	243	86	96	52
22	42	49	49	51	107	329	217	869	231	83	77	49
23	42	41	51	53	116	273	240	777	220	81	85	53
24	40	46	75	62	112	246	267	810	210	77	71	54
25	40	51	89	81	133	202	332	731	201	73	66	53
26	41	52	64	117	120	168	442	622	186	70	65	54
27	38	43	53	99	116	160	483	601	178	78	63	51
28	38	44	54	63	130	150	544	607	180	88	59	52
29	39	39	56	63	---	138	671	654	190	88	56	55
30	41	46	53	56	---	131	808	676	239	88	55	53
31	41	---	44	62	---	130	---	687	---	86	54	---
TOTAL	1491	1406	1584	2211	3076	8412	9734	22787	12133	3495	2205	1811
MEAN	48.1	46.9	51.1	71.3	110	271	324	735	404	113	71.1	60.4
MAX	180	63	89	195	665	751	808	1060	792	185	127	110
MIN	31	39	35	42	63	130	138	518	178	70	54	47
AC-FT	2960	2790	3140	4390	6100	16690	19310	45200	24070	6930	4370	3590

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	45.6	48.6	48.5	56.5	71.9	138	236	301	124	57.5	47.2	41.0
MAX	69.0	74.4	73.5	89.1	110	271	644	813	404	113	71.1	60.4
(WY)	1994	1994	1994	1993	1995	1995	1993	1993	1995	1995	1995	1995
MIN	33.4	35.9	36.6	39.0	47.7	54.0	76.2	55.8	36.5	34.5	34.4	24.8
(WY)	1992	1990	1990	1991	1990	1990	1990	1990	1990	1994	1990	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995	
ANNUAL TOTAL	25403		70345			
ANNUAL MEAN	69.6		193		101	
HIGHEST ANNUAL MEAN					207	1993
LOWEST ANNUAL MEAN					43.6	1990
HIGHEST DAILY MEAN	233	Apr 22	1060	May 2	1140	May 4 1993
LOWEST DAILY MEAN	22	Aug 5	31	Oct 3	22	Aug 5 1994
ANNUAL SEVEN-DAY MINIMUM	23	Aug 2	39	Oct 7	23	Aug 2 1994
ANNUAL RUNOFF (AC-FT)	50390		139500		73470	
10 PERCENT EXCEEDS	144		613		191	
50 PERCENT EXCEEDS	53		81		53	
90 PERCENT EXCEEDS	31		44		32	

09406000 VIRGIN RIVER AT VIRGIN, UT

LOCATION.--Lat 37°12'15", long 113°10'48", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 23, T. 41 S., R. 12 W., Washington County, Hydrologic Unit 15010008, on right bank 0.25 mi downstream from North Creek and 0.5 mi east of Virgin.

DRAINAGE AREA.--956 mi^2.

PERIOD OF RECORD.--April 1909 to September 1971, October 1978 to current year. Fragmentary prior to 1926, monthly discharge published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1942-43(M), 1947-48(M). WSP 1633: 1921(M), 1950-51. WDR-UT-89-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,500 ft above sea level, from topographic map. At present location since July 18, 1985; from Oct. 1, 1978, to July 5, 1985, located 2 mi downstream on left bank, and from Dec. 19, 1949, to September 1971, located directly across from previous site, on right bank at different datum. Prior to Dec. 19, 1949, nonrecording gages at several sites within 3 mi of present site at various datums.

REMARKS.--Records good except those for discharges greater than 800 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. Diversions for irrigation of about 2,800 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft^3/s, Dec. 6, 1966, gage height, 18.00 ft, site and datum then in use, from rating curve extended above 5,000 ft^3/s on basis of one slope-area measurement and one float measurement; minimum observed, 22 ft^3/s July 10, 1920 and June 11, 1921.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 15	0900	a 1,780	11.48	May 2	1705	a 2,160	11.91
Feb 14	1700	a 3,830	13.39	May 24	1610	a 2,250	12.00
Mar. 5	1845	*a 7,760	*15.70	July 17	1635	a 1,900	11.62
Mar. 11	1000	a 4,400	13.80	Sept. 6	0020	a 3,060	12.77

(a) From rating curve extended above 812 ft^3/s on basis of one slope-area measurement at gage height, 13.72 ft.

Minimum daily discharge, 70 ft^3/s, Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	90	105	142	161	490	263	1080	843	224	115	92
2	72	95	109	147	178	447	272	1440	820	203	101	98
3	70	107	108	147	166	382	263	1150	916	195	98	99
4	90	103	110	155	156	433	315	1140	860	185	95	96
5	88	105	110	192	154	2840	386	982	866	170	94	172
6	96	105	114	169	151	841	422	794	769	162	92	406
7	81	104	119	164	150	420	441	670	654	157	88	115
8	81	105	114	175	149	357	498	633	615	159	90	194
9	79	103	97	236	144	320	493	711	546	157	90	176
10	76	105	93	224	139	342	413	845	515	157	100	131
11	74	105	102	495	137	2440	378	894	523	153	102	105
12	73	139	104	293	137	1040	408	882	531	155	168	99
13	74	126	117	169	137	617	524	751	509	152	142	96
14	139	112	116	167	1580	519	539	712	469	151	105	96
15	426	102	109	215	422	502	444	882	433	135	97	90
16	111	110	111	207	216	497	401	902	426	127	145	83
17	92	110	116	155	180	517	425	841	449	258	120	83
18	89	120	119	134	168	531	520	869	422	166	100	82
19	87	112	117	137	165	553	459	929	355	129	97	86
20	88	109	114	148	167	549	425	983	321	122	237	88
21	87	121	113	150	179	708	412	1020	304	116	156	89
22	87	121	114	145	192	540	392	983	291	111	138	91
23	89	113	119	136	202	490	400	864	273	111	136	92
24	90	110	140	150	193	469	425	1150	253	108	116	95
25	89	115	223	164	228	382	502	905	241	104	107	94
26	91	124	168	321	211	330	603	780	226	99	103	94
27	88	115	153	274	e210	310	648	736	212	114	101	92
28	88	102	150	170	e240	288	749	750	214	126	96	94
29	86	94	152	155	---	271	948	775	247	122	93	108
30	86	96	152	144	---	257	1100	783	284	119	92	96
31	87	---	148	143	---	246	---	801	---	118	90	---
TOTAL	3034	3278	3836	5823	6512	18928	14468	27637	14387	4565	3504	3432
MEAN	97.9	109	124	188	233	611	482	892	480	147	113	114
MAX	426	139	223	495	1580	2840	1100	1440	916	258	237	406
MIN	70	90	93	134	137	246	263	633	212	99	88	82
AC-FT	6020	6500	7610	11550	12920	37540	28700	54820	28540	9050	6950	6810

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-71, 1979-95, BY WATER YEAR (WY)

MEAN	104	137	149	148	185	232	365	410	159	104	124	111
MAX	185	234	648	461	833	611	981	1582	762	207	255	289
(WY)	1984	1966	1967	1969	1980	1995	1993	1979	1983	1980	1983	1958
MIN	66.7	88.1	98.5	110	108	117	121	87.5	58.1	50.1	55.3	53.1
(WY)	1957	1957	1957	1965	1961	1963	1970	1959	1961	1960	1960	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951-71, 1979-95	
ANNUAL TOTAL	47840		109404			
ANNUAL MEAN	131		300		186	
HIGHEST ANNUAL MEAN					390	1980
LOWEST ANNUAL MEAN					95.7	1990
HIGHEST DAILY MEAN	649	Sep 3	2840	Mar 5	9670	Dec 6 1966
LOWEST DAILY MEAN	53	Aug 7	70	Oct 3	40	Aug 14 1963
ANNUAL SEVEN-DAY MINIMUM	57	Aug 2	77	Oct 7	44	Jul 17 1961
ANNUAL RUNOFF (AC-FT)	94890		217000		134500	
10 PERCENT EXCEEDS	214		771		336	
50 PERCENT EXCEEDS	114		155		122	
90 PERCENT EXCEEDS	64		90		71	

e Estimated

09406640 LEAP CREEK ABOVE MAPLE HOLLOW, NEAR PINTURA, UT

LOCATION.--Lat. 37°22'58", long 113°17'58", in NE$^1/_4$SW$^1/_4$ sec. 22, T. 39 S., R. 13 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on right bank about 200 ft upstream from unnamed diversion, and 4.6 mi northwest of Pintura.

DRAINAGE.--7.17 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,110 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated days, those for discharges less than 2.0 ft$^3/_s$, and those for discharges greater than 40 ft3/s, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162 ft$^3/_s$, Feb. 14, 1995, gage height, 7.19 ft, from rating curve extended above 24 ft3/s on the basis of slope-area measurement at gage height 6.17; minimum daily discharge, 0.06 ft$^3/_s$, Aug. 5-8, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Feb. 14	0637	a*162	*7.19	Mar. 11	1045	a 77	5.80
Mar. 5	2400	a 65	5.55	Apr. 22	1700	a 25	4.51

a From rating curve extended as explained above.

Minimum daily discharge, 0.27 ft$^3/_s$, Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.47	e.70	e1.7	e6.0	22	7.8	9.2	5.0	2.9	1.2	.60
2	.30	.50	e.70	e1.5	12	16	7.6	9.5	5.0	2.7	1.2	.61
3	.27	e.50	e.65	e1.4	11	22	7.3	9.0	5.4	2.6	1.1	.56
4	.38	e.45	.67	e1.6	9.8	20	7.2	8.5	5.3	2.6	1.0	.53
5	.41	e.45	.66	1.9	9.1	24	7.6	8.8	5.0	2.5	.99	.52
6	.43	e.50	.66	3.3	9.0	26	8.3	8.9	4.9	2.4	.95	.68
7	.37	.54	.66	2.8	9.0	18	8.2	8.0	4.8	2.3	.93	.76
8	.35	.53	e.50	2.3	8.7	15	8.2	7.5	5.3	2.3	.88	.68
9	.35	.52	e.30	4.7	7.9	13	8.3	7.1	5.2	2.2	.84	.67
10	.35	.51	e.30	5.3	7.4	14	7.6	6.9	4.9	2.2	.87	.58
11	.35	.54	e.30	6.2	7.3	42	7.1	6.8	4.5	2.2	.93	.54
12	.32	.79	e.35	6.7	7.3	34	6.7	6.7	4.3	2.2	.90	.52
13	.32	.63	e.35	4.7	6.9	28	6.6	6.7	4.2	2.1	.90	.49
14	.45	.60	e.35	4.5	54	25	6.8	6.6	4.0	2.2	.83	e.40
15	.74	.62	e.40	6.0	24	23	6.6	6.4	4.0	2.1	.78	e.40
16	.52	.58	.50	5.8	16	22	6.3	6.4	4.3	2.0	.82	e.40
17	.49	.56	.58	e4.0	13	21	6.7	6.4	4.6	2.0	.84	e.40
18	.47	e.60	.58	e3.5	13	20	8.2	6.1	4.3	2.0	.80	e.40
19	.47	e.60	.58	e3.5	16	19	10	6.0	4.0	1.9	.71	e.40
20	.47	e.60	.58	e3.0	15	18	10	5.9	3.8	1.8	.77	e.40
21	.45	e.60	.58	e2.5	16	18	11	5.9	3.7	1.7	.93	e.40
22	.44	e.60	.58	e2.5	19	17	15	5.8	3.6	1.7	.88	e.40
23	.44	e.50	.58	e2.5	19	16	11	5.7	3.5	1.6	.84	e.40
24	.44	e.60	4.0	3.1	16	15	9.8	7.4	3.4	1.6	.86	e.40
25	.44	e.60	8.9	6.1	16	13	9.1	7.9	3.4	1.5	.77	e.40
26	.44	e.60	3.9	8.1	14	12	9.0	6.5	3.3	1.4	.72	e.40
27	.44	e.60	2.9	5.9	13	11	8.8	6.1	3.2	1.4	.68	e.40
28	.46	e.50	2.6	e4.0	18	9.8	8.7	5.7	2.8	1.3	.65	e.40
29	.47	e.50	2.3	e3.5	---	9.2	8.9	5.5	2.8	1.3	.63	e.40
30	.47	e.70	2.1	e3.5	---	8.6	9.2	5.3	3.1	1.2	.60	e.40
31	.47	---	e2.0	e3.5	---	8.2	---	5.1	---	1.2	.58	---
TOTAL	13.11	16.89	40.81	119.6	393.4	579.8	253.6	214.3	125.6	61.1	26.38	14.54
MEAN	.42	.56	1.32	3.86	14.0	18.7	8.45	6.91	4.19	1.97	.85	.48
MAX	.74	.79	8.9	8.1	54	42	15	9.5	5.4	2.9	1.2	.76
MIN	.27	.45	.30	1.4	6.0	8.2	6.3	5.1	2.8	1.2	.58	.40
AC-FT	26	34	81	237	780	1150	503	425	249	121	52	29

CAL YR 1994	TOTAL	507.94	MEAN	1.39	MAX	14	MIN	.06	AC-FT	1010
WTR YR 1995	TOTAL	1859.13	MEAN	5.09	MAX	54	MIN	.27	AC-FT	3690

e Estimated

09406900 WET SANDY CREEK NEAR PINTURA, UT

LOCATION.--Lat. 37°19'15", long 113°21'05", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 7, T. 40 S., R. 13 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on left bank about 100 ft upstream from unnamed diversion, 4.5 mi west of Pintura, Utah, and 5.0 mi upstream from mouth.

DRAINAGE.--5.29 mi^2.

PERIOD OF RECORD.--December 1993 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,240 ft above sea level, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. No diversions upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 274 $ft^3/_s$, Feb. 14, 1995, from rating curve extended above 4.5 $ft^3/_s$ on the basis of velocity-area measurement of gage height 7.05 ft, gage height, 7.20 ft, from floodmarks; minimum daily discharge, 0.21 $ft^3/_s$, Dec. 20, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 $ft^3/_s$ (revised) and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Feb. 14	1120	(a) *274	*7.20	Mar. 5	2035	(a) 267	7.15

Minimum daily discharge, 0.21 $ft^3/_s$, Dec. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	.31	.27	e.36	2.0	15	3.6	6.1	4.9	5.3	6.0	1.3
2	.36	.34	.26	.31	4.3	7.8	3.6	6.7	4.7	5.5	5.6	1.3
3	.37	.39	.24	.28	2.7	16	3.6	6.8	4.9	5.7	5.2	1.2
4	.40	.34	.24	.35	2.1	8.5	3.8	6.7	5.4	5.8	5.0	1.1
5	.42	.34	.26	5.6	2.4	33	4.0	6.9	5.6	6.3	4.7	1.1
6	.39	.34	.27	.86	2.5	28	4.2	6.6	5.3	6.7	4.5	4.6
7	.36	.33	.27	.30	1.6	7.5	4.3	5.9	5.3	7.0	4.2	2.6
8	.35	.29	.47	.32	1.4	4.6	4.9	5.3	5.5	7.5	4.0	2.5
9	.33	.28	.40	.43	1.3	4.0	5.1	4.9	5.1	7.7	3.9	2.4
10	.33	.28	.28	.50	1.4	4.6	5.0	4.8	5.1	8.1	3.8	2.3
11	.34	.30	.23	3.4	1.3	38	4.9	5.1	5.2	8.5	3.6	2.3
12	.32	.50	.23	1.5	1.5	31	4.9	5.3	5.1	8.5	3.4	2.2
13	.34	.32	.28	.48	1.2	19	4.8	5.2	5.0	8.6	3.2	2.1
14	.42	.32	.38	.62	61	18	4.8	5.1	5.0	8.8	3.0	2.0
15	.49	e.34	.24	2.3	6.2	15	4.7	5.0	4.9	8.6	2.8	1.9
16	.38	e.30	.54	.70	1.3	9.8	4.7	5.0	5.2	8.7	2.8	1.8
17	.38	.44	.24	.44	1.0	8.6	4.6	5.0	5.1	9.0	2.7	1.8
18	.38	e.70	.23	e.42	1.4	8.6	5.0	4.9	5.1	8.9	2.6	1.8
19	.37	e.50	.22	.41	1.7	9.0	4.6	5.1	5.1	8.8	2.4	1.7
20	.36	e.32	.21	.42	1.9	8.1	5.8	5.4	5.1	8.8	2.4	1.7
21	.36	e.30	.22	.41	2.5	9.2	7.8	5.4	4.5	8.7	2.3	1.6
22	.35	e.28	.22	.39	4.0	7.8	11	5.2	4.1	8.6	2.1	1.6
23	.34	e.28	.25	.38	2.3	7.0	7.0	5.1	4.2	8.6	2.0	1.6
24	.33	.27	1.6	.42	1.9	6.8	4.0	7.6	4.3	8.3	1.9	1.6
25	.30	.27	2.8	.96	2.9	5.9	3.5	8.5	4.4	8.2	1.8	1.6
26	.30	.26	.41	.70	2.0	5.0	3.5	4.8	4.3	7.9	1.7	1.6
27	.30	e.28	.33	.52	4.9	4.5	3.7	4.7	4.5	7.6	1.6	1.5
28	.30	e.30	.32	.48	12	4.2	4.3	4.4	4.9	7.3	1.5	1.5
29	.30	e.32	.31	.47	---	4.0	5.2	4.2	5.1	6.8	1.5	1.6
30	.30	.28	.30	.46	---	3.8	5.6	4.6	5.4	6.6	1.4	1.6
31	.31	---	.37	.52	---	3.8	---	4.8	---	6.4	1.3	---
TOTAL	10.98	10.12	12.89	25.71	132.7	356.1	146.5	171.1	148.3	237.8	94.9	55.5
MEAN	.35	.34	.42	.83	4.74	11.5	4.88	5.52	4.94	7.67	3.06	1.85
MAX	.49	.70	2.8	5.6	61	38	11	8.5	5.6	9.0	6.0	4.6
MIN	.30	.26	.21	.28	1.0	3.8	3.5	4.2	4.1	5.3	1.3	1.1
AC-FT	22	20	26	51	263	706	291	339	294	472	188	110

CAL YR 1994	TOTAL	272.26	MEAN	.75	MAX	2.8	MIN	.21	AC-FT 540
WTR YR 1995	TOTAL	1402.60	MEAN	3.84	MAX	61	MIN	.21	AC-FT 2780

(a) from rating curve extended as explained in "EXTREMES FOR PERIOD OF RECORD" paragraph.
e Estimated

09408000 LEEDS CREEK NEAR LEEDS, UT

LOCATION.--Lat 37°16'03", long 113°22'12", in $SW^1/_4SE^1/_4NE^1/_4$ sec. 36, T. 40 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 1,150 ft upstream from Leeds Ditch diversion, 2.1 mi north of Leeds, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi^2.

PERIOD OF RECORD.--October 1915 to June 1920 (fragmentary) in reports of Geological Survey; October 1964 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since May 30, 1989. Elevation of gage is 4,000 ft above sea level, from topographic map. Prior to June 1920, at various sites and datums about 600 ft downstream; Oct. 28, 1964, to Aug. 20, 1967, water-stage recorder at site 1,000 ft downstream at different datum.

REMARKS.--Records good except those for discharges greater than 50 ft^3/s, which are fair, and those for estimated daily discharges, which are poor. One diversion above station for domestic use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1964, reached a stage of 6.00 ft, former site and datum, discharge 2,980 ft^3/s from slope-area measurement of peak flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft^3/s, Aug. 3, 1988, gage height, 9.41 ft, from rating curve extended above 29 ft^3/s on basis of slope-area measurement; minimum daily discharge, 1.1 ft^3/s, Sept. 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 14	1145	(a) 247	(c) 4.02	Mar. 11	2315	(b) 112	3.34
Mar. 6	0015	(b)*268	(c)*4.11				

(a) From rating curve extended above 50 ft3/s on basis of slope-area measurement at gage height 9.41 ft.
(b) From rating curve extended above 33 ft3/s as explained in (a) above.
(c) From floodmarks.
Minimum daily discharge, 3.3 ft^3/s, Oct. 9, 10, Nov. 8, Dec. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.4	3.4	3.6	8.8	19	19	18	18	31	21	11
2	3.5	3.4	3.4	3.6	12	15	18	19	18	32	20	10
3	3.4	3.6	3.4	3.6	9.9	18	17	19	19	32	20	10
4	3.6	3.4	3.4	3.9	8.8	14	17	19	19	33	19	10
5	3.6	3.4	3.4	4.4	8.7	38	17	19	19	33	19	9.9
6	3.7	3.4	3.4	3.8	8.7	49	18	19	19	33	18	11
7	3.5	3.4	3.8	3.8	8.1	22	18	18	20	33	18	10
8	3.4	3.3	3.4	4.0	7.4	20	18	18	21	34	17	10
9	3.3	3.4	e3.4	4.4	7.1	18	18	17	21	34	17	9.9
10	3.3	3.4	e3.4	5.7	6.8	18	18	17	21	34	17	9.6
11	3.4	3.4	3.4	18	6.7	51	17	17	21	34	16	9.3
12	3.4	4.3	3.4	8.7	6.6	59	17	17	22	34	16	9.1
13	3.5	3.7	3.6	5.3	6.5	31	17	17	22	34	16	8.9
14	4.1	3.6	3.4	5.6	54	26	18	17	22	34	15	8.7
15	4.3	3.6	3.4	7.8	14	25	17	16	23	33	14	8.6
16	3.8	3.6	3.3	5.8	10	25	17	16	25	33	15	8.4
17	3.7	3.6	3.4	4.6	8.9	25	17	17	26	32	14	8.3
18	3.7	3.9	3.4	4.3	8.8	25	18	16	27	32	14	8.2
19	3.6	3.6	3.4	4.2	8.8	25	18	16	27	31	14	8.0
20	3.6	4.2	3.4	4.2	8.9	26	18	16	27	31	14	7.8
21	3.6	3.7	3.4	4.1	9.4	26	19	16	27	30	14	7.7
22	3.5	3.6	3.4	4.0	9.9	26	19	17	27	29	13	7.7
23	3.5	3.5	3.6	4.0	9.9	26	17	17	28	28	13	7.6
24	3.5	3.4	5.2	4.9	9.8	25	16	19	28	28	13	7.4
25	3.5	3.4	7.5	12	10	24	16	20	28	27	12	7.4
26	3.5	3.5	4.6	14	9.9	23	16	18	28	26	12	7.2
27	3.4	3.4	4.0	7.8	11	22	17	18	29	25	12	7.1
28	3.4	3.6	4.0	5.6	16	21	17	18	30	23	12	7.1
29	3.4	3.7	3.8	5.0	---	21	17	17	30	23	11	7.1
30	3.4	3.4	3.7	4.8	---	20	18	18	31	22	11	7.0
31	3.4	---	3.6	5.0	---	19	---	18	---	21	11	---
TOTAL	110.1	106.8	115.3	180.5	305.4	802	524	544	723	939	468	260.0
MEAN	3.55	3.56	3.72	5.82	10.9	25.9	17.5	17.5	24.1	30.3	15.1	8.67
MAX	4.3	4.3	7.5	18	54	59	19	20	31	34	21	11
MIN	3.3	3.3	3.3	3.6	6.5	14	16	16	18	21	11	7.0
AC-FT	218	212	229	358	606	1590	1040	1080	1430	1860	928	516

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	3.98	4.08	4.71	4.63	6.87	9.82	10.0	11.1	14.0	11.2	7.48	4.80
MAX	9.16	10.7	26.6	12.2	52.0	36.3	33.1	28.7	38.1	34.3	21.6	12.5
(WY)	1984	1988	1967	1993	1980	1983	1969	1969	1973	1983	1988	1983
MIN	2.05	1.85	2.01	2.18	2.32	2.46	2.00	2.30	2.15	1.51	1.62	1.73
(WY)	1971	1978	1978	1991	1991	1977	1977	1977	1977	1977	1977	1972

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	1972.6		5078.1			
ANNUAL MEAN	5.40		13.9		7.74	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.20	1977
HIGHEST DAILY MEAN	9.5	Jun 9	59	Mar 12	412	Dec 6 1966
LOWEST DAILY MEAN	3.1	Sep 28	3.3	Oct 9	1.1	Sep 17 1972
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 23	3.4	Nov 4	1.3	Jul 10 1977
ANNUAL RUNOFF (AC-FT)	3910		10070		5600	
10 PERCENT EXCEEDS	8.5		28		17	
50 PERCENT EXCEEDS	4.8		12		4.7	
90 PERCENT EXCEEDS	3.4		3.4		2.4	

e Estimated

09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°10'20", long 113°23'07", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ sec. 35, T. 41 S., R. 14 W., Washington County, Hydrologic Unit 15010008, Bureau of Land Management, on right bank, 0.6 mi downstream from Quail Creek Reservoir Dam, 1.2 mi upstream from State Highway 9, and 5.2 mi west of Hurricane.

DRAINAGE AREA.--1,493 mi^2.

PERIOD OF RECORD.--March 1967 to Febuary 1989, October 1990 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,800 ft above sea level, from topographic map. Prior to Mar. 30, 1993 at different sites and datum.

REMARKS.--Records good except those for flows greater than 2,000 ft$^3/_s$, which are fair, and those for estimated daily discharges, which are poor. Since June 1985, flow diverted about 14 mi upstream into a pipeline (capacity approximately 250 ft$^3/_s$), feeding Quail Creek Reservoir (capacity 40,000 acre-feet), an offstream site located about 0.6 mi upstream from the gage. Flows also subject to releases from Quail Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 66,000 ft$^3/_s$, Jan. 1, 1989, result of Quail Creek reservoir dike failure; minimum daily discharge, 23 ft$^3/_s$, Dec. 11, 1986, at site 1.2 mi downstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1909, 17.34 ft Dec. 6, 1966, from floodmarks; discharge, 20,100 ft$^3/_s$, site and datum then in use, from slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,100 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Oct. 15	1005	a3,420	10.10	Mar. 11	2030	a5,280	12.97
Jan. 11	2105	a3,190	9.90	May 3	0235	a2,790	9.64
Feb. 14	1950	a5,840	13.83	May 25	0205	a4,180	11.25
Mar. 6	0135	a*7,020	*15.63	Sept. 6	0920	a4,300	11.44

a From rating curve extended above 1,900 ft$^3/_s$ on basis of slope-area measurement at gage height 12.55 ft.
Minimum daily discharge, 61 ft$^3/_s$, Nov. 8, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	127	182	83	89	460	304	1200	866	277	122	92
2	114	89	179	94	120	527	309	1490	937	244	112	94
3	93	99	180	103	126	472	299	1440	904	208	95	106
4	125	83	177	103	102	501	307	1330	922	186	96	106
5	131	66	183	142	93	1040	366	1250	868	175	90	97
6	142	65	189	141	99	3060	436	1010	900	158	92	579
7	105	63	190	129	109	646	452	801	710	158	93	201
8	104	61	190	141	113	406	489	726	643	160	95	96
9	105	63	186	200	130	362	542	801	597	159	94	231
10	108	61	184	278	126	313	456	1040	548	156	89	187
11	92	76	189	666	126	2240	417	968	566	157	98	136
12	82	156	171	565	122	3200	409	1030	573	166	108	98
13	82	157	159	213	104	1480	500	865	575	162	211	89
14	127	141	159	e220	2260	987	595	715	525	163	127	78
15	728	151	157	e220	896	747	495	797	484	162	106	79
16	180	153	155	259	293	670	424	988	459	151	133	79
17	e185	161	158	198	209	653	409	916	521	147	153	73
18	e190	159	159	159	175	656	477	894	491	279	107	78
19	e190	154	145	e150	161	662	549	898	409	161	88	82
20	e190	151	134	e150	160	660	483	931	353	142	119	88
21	178	157	131	e150	165	667	439	992	330	138	299	88
22	e175	151	131	e150	175	845	442	986	311	132	138	92
23	e175	163	132	e150	191	571	437	866	292	133	180	92
24	e175	183	133	e120	183	575	431	855	273	141	154	106
25	e175	183	213	91	201	525	461	1520	255	147	128	108
26	e175	184	175	345	209	416	580	857	230	144	97	92
27	e175	183	119	276	177	406	631	791	231	141	96	91
28	e175	181	86	146	202	377	668	729	248	146	94	89
29	e175	187	84	92	---	350	821	794	246	144	80	96
30	e175	179	83	84	---	325	1120	835	316	144	70	99
31	e175	---	84	80	---	309	---	839	---	134	82	---
TOTAL	5120	3987	4797	5898	7116	25108	14748	30154	15583	5115	3646	3622
MEAN	165	133	155	190	254	810	492	973	519	165	118	121
MAX	728	187	213	666	2260	3200	1120	1520	937	279	299	579
MIN	82	61	83	80	89	309	299	715	230	132	70	73
AC-FT	10160	7910	9510	11700	14110	49800	29250	59810	30910	10150	7230	7180

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968-88, 1991-95, BY WATER YEAR (WY)

MEAN	124	147	173	216	261	365	448	537	210	117	128	120
MAX	304	280	440	662	1200	1178	1230	1657	869	248	316	268
(WY)	1987	1988	1972	1989	1980	1978	1993	1983	1983	1983	1983	1980
MIN	54.2	56.4	51.4	58.9	59.8	92.8	62.5	72.3	58.6	46.4	71.0	56.8
(WY)	1991	1991	1987	1991	1991	1977	1977	1972	1974	1972	1978	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1968-88, 1991-95	
ANNUAL TOTAL	52733		124894			
ANNUAL MEAN	144		342		236	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					72.2	1991
HIGHEST DAILY MEAN	728	Oct 15	3200	Mar 12	13200	Jan 1 1989
LOWEST DAILY MEAN	61	Nov 8	61	Nov 8	23	Dec 11 1986
ANNUAL SEVEN-DAY MINIMUM	65	Nov 5	65	Nov 5	31	Dec 8 1986
ANNUAL RUNOFF (AC-FT)	104600		247700		170900	
10 PERCENT EXCEEDS	219		849		466	
50 PERCENT EXCEEDS	131		175		144	
90 PERCENT EXCEEDS	73		91		66	

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'18", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ sec. 20, T. 42 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank immediately upstream from concrete flume, 0.2 mi downstream from diversion, 2.2 mi southeast of Washington, Utah.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Parshall flume since Nov. 8, 1991. Elevation of gage is 2,680 ft above sea level, from topographic map. Prior to Nov. 8, 1991 at site 150 ft downstream at same datum. Water-quality monitoring equipment located about 150 ft downstream.

REMARKS.--Records good except those for Oct. 20-31, which are fair, and for estimated daily discharges, which are poor. Completely regulated canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 ft$^3/_s$, Oct. 22, 1989; no flow at times most years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	54	43	47	.00	e34	e34	106	85	94	107	96
2	76	53	43	39	.00	e35	e35	88	81	105	104	97
3	76	52	43	39	.00	e35	e39	76	88	103	91	98
4	75	52	43	40	5.9	e36	e52	44	90	92	87	98
5	75	51	43	41	13	e37	e86	95	95	106	93	96
6	74	51	43	42	13	e17	e111	97	99	103	95	70
7	73	51	43	33	.00	e.82	e102	95	91	104	97	58
8	72	50	43	.00	.00	e.00	e96	86	89	103	99	63
9	71	51	43	.00	.00	e.00	e95	86	81	106	98	93
10	71	51	43	.00	.00	e.00	e89	41	106	109	95	86
11	70	51	43	.00	5.8	e.96	e91	88	86	109	57	78
12	70	52	43	.00	17	e17	e94	108	92	110	97	64
13	70	52	43	.00	15	e6.8	e97	97	82	109	102	63
14	70	51	43	.00	5.4	e3.1	e51	71	93	107	53	70
15	50	50	43	.00	.00	e1.7	e96	81	95	106	108	74
16	12	49	43	.00	.00	e1.1	e93	92	101	91	105	81
17	9.1	48	43	.00	e5.9	e.54	e91	80	89	54	87	81
18	26	48	43	.00	e19	e17	e89	74	72	93	92	83
19	54	47	42	.00	e19	e34	e57	76	89	85	89	88
20	54	46	47	.00	e19	e32	e46	80	100	85	89	89
21	55	46	50	.00	e20	e14	e56	86	101	92	94	90
22	55	46	51	.00	e27	e5.7	57	87	101	94	72	91
23	55	45	52	2.2	e28	e2.9	56	84	96	100	87	91
24	55	45	52	3.6	e28	e5.3	59	65	75	102	100	93
25	55	24	54	.00	e28	e9.6	68	57	.00	110	94	94
26	55	.00	53	4.6	e29	e6.1	76	58	.00	110	81	91
27	55	.00	52	.00	e28	e8.4	81	47	61	110	81	91
28	55	.00	50	.00	e30	e6.1	98	65	105	110	88	90
29	55	5.3	50	.00	---	e6.0	97	65	106	92	91	91
30	55	19	50	.00	---	e17	99	79	103	97	82	85
31	55	---	50	.00	---	e16	---	89	---	94	85	---
TOTAL	1830.1	1240.30	1427	291.40	356.00	406.12	2291	2443	2552.00	3085	2800	2533
MEAN	59.0	41.3	46.0	9.40	12.7	13.1	76.4	78.8	85.1	99.5	90.3	84.4
MAX	77	54	54	47	30	37	111	108	106	110	108	98
MIN	9.1	.00	42	.00	.00	.00	34	41	.00	54	53	58
AC-FT	3630	2460	2830	578	706	806	4540	4850	5060	6120	5550	5020

CAL YR 1994	TOTAL	24279.00	MEAN	66.5	MAX	113	MIN	.00	AC-FT 48160
WTR YR 1995	TOTAL	21254.92	MEAN	58.2	MAX	111	MIN	.00	AC-FT 42160

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: December 1987 to current year.
WATER TEMPERATURES: December 1987 to current year.
REMARKS.--Records are fair.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 5,330 microsiemens, July 19, 1990; minimum, 510 microsiemens, May 4, 15, 1993.
WATER TEMPERATURES: Maximum, 32.7°C, July 15, 1988; minimum, 0.0°C, Dec. 21, 1990.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 3,440 microsiemens, Aug. 17; minimum recorded, 540 microsiemens, Mar. 5.
WATER TEMPERATURES: Maximum recorded, 30.4°C, Aug. 22, 23; minimum recorded, 3.7°C, Dec. 9.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2250	1910	2100	2250	1570	1740	1970	1710	1820	---	---	---
2	2140	1910	2070	---	---	---	1760	1600	1710	---	---	---
3	2440	2050	2180	---	---	---	1940	1660	1750	---	---	---
4	3140	2360	2560	---	---	---	1760	1700	1740	---	---	---
5	2440	1970	2100	---	---	---	1750	1670	1710	2350	1660	2060
6	2400	1820	2140	---	---	---	1690	1660	1680	1800	610	1690
7	2150	1820	2060	2820	2540	2680	1690	1610	1660	1950	---	---
8	2390	2060	2200	2830	2770	2810	1690	1620	1650	---	---	---
9	2180	2060	2130	2830	2730	2780	1700	1640	1660	---	---	---
10	2290	2090	2200	2820	2730	2770	1760	1640	1700	---	---	---
11	2400	2200	2320	2830	2230	2760	1800	1620	1710	---	---	---
12	2630	2320	2500	2500	1620	1990	1810	1650	1720	---	---	---
13	2730	2520	2610	1680	1350	1530	1830	1740	1780	---	---	---
14	2660	2400	2550	1740	1580	1660	1990	1650	1740	---	---	---
15	2620	---	---	1750	1560	1650	1810	1720	1740	---	---	---
16	---	---	---	1790	1670	1720	1780	1730	1750	---	---	---
17	---	---	---	1980	1600	1730	1890	1690	1740	---	---	---
18	1740	---	---	1790	1440	1620	1760	1700	1730	---	---	---
19	1950	1550	1750	1870	1510	1640	1850	1700	1770	---	---	---
20	1820	1590	1690	1750	1590	1650	1850	1830	1840	---	---	---
21	1860	1570	1670	2010	1500	1640	1850	1660	1830	---	---	---
22	1770	1600	1650	1870	1430	1560	2200	1620	1870	---	---	---
23	1690	1650	1670	1890	1490	1570	1850	1830	1840	---	---	---
24	1760	1650	1680	1630	1370	1450	1830	1790	1820	---	---	---
25	1720	1620	1660	1460	---	---	2520	1190	1620	---	---	---
26	1670	1640	1660	---	---	---	1530	1270	1430	---	---	---
27	1740	1640	1660	---	---	---	2200	1530	1750	---	---	---
28	1690	1640	1660	---	---	---	---	---	---	---	---	---
29	1680	1630	1660	---	---	---	---	---	---	---	---	---
30	1710	1610	1660	1790	---	---	---	---	---	---	---	---
31	1890	1550	1640	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	1580	850	1090	1560	1440	1480	---	---	---
2	---	---	---	1000	780	906	1510	1410	1470	---	---	---
3	---	---	---	1150	870	967	1440	1410	1430	---	---	---
4	---	---	---	1070	800	934	1520	1340	1450	---	---	---
5	---	---	---	1210	540	915	1430	1190	1310	---	---	---
6	---	---	---	1130	---	---	1240	1050	1130	---	---	---
7	---	---	---	---	---	---	1140	1020	1070	---	---	---
8	---	---	---	---	---	---	1110	960	1020	---	---	---
9	---	---	---	---	---	---	1040	890	947	---	---	---
10	---	---	---	---	---	---	1060	920	990	---	---	---
11	---	---	---	---	---	---	1130	1050	1080	---	---	---
12	---	---	---	---	---	---	1190	1070	1130	---	---	---
13	---	---	---	---	---	---	1230	920	1030	---	---	---
14	---	---	---	---	---	---	950	---	---	---	---	---
15	---	---	---	---	---	---	980	860	927	---	---	---
16	---	---	---	---	---	---	1070	980	1030	---	---	---
17	1780	---	---	---	---	---	1130	1070	1090	---	---	---
18	2020	1780	1900	1010	---	---	1110	1010	1060	730	660	680
19	2060	1800	1970	1030	---	---	1090	910	998	770	640	687
20	2070	1840	1950	1000	---	---	1180	970	1060	730	---	---
21	1920	1840	1880	1020	---	---	1190	1080	1130	730	570	636
22	1840	1650	1750	---	---	---	1210	1030	1120	700	---	---
23	1740	1510	1620	---	---	---	1240	1080	1140	700	630	665
24	1700	1510	1610	---	---	---	1230	1090	1150	990	---	---
25	1740	1500	1640	---	---	---	1210	1000	1110	1070	560	668
26	1520	1370	1450	---	---	---	1100	840	952	870	---	---
27	1810	1500	1640	---	---	---	960	800	863	820	---	---
28	1680	1450	1590	---	---	---	930	820	849	850	800	822
29	---	---	---	---	---	---	---	---	---	840	730	776
30	---	---	---	---	---	---	---	---	---	810	690	740
31	---	---	---	---	---	---	---	---	---	780	690	727
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	770	650	704	1420	---	---	1980	1880	1930	2270	2190	2240
2	750	---	---	1470	1410	1430	2670	---	---	2320	2170	2270
3	720	630	682	1650	1430	1550	2810	---	---	2440	2060	2230
4	710	630	666	1720	1590	1670	2810	---	---	2210	2000	2130
5	1020	640	698	1790	1610	1700	2640	2290	2470	2230	2070	2170
6	760	590	662	1840	1610	1720	2720	2500	2570	2430	---	---
7	790	---	---	1990	1700	1830	2690	2380	2500	---	---	---
8	850	790	822	1920	1700	1810	2560	2370	2420	---	---	---
9	900	840	864	1880	1720	1780	2530	2360	2450	---	---	---
10	940	900	924	1880	1720	1780	2490	2360	2410	---	---	---
11	970	---	---	1840	1740	1790	2750	---	---	---	---	---
12	950	840	889	1880	1750	1800	2480	2170	2290	---	---	---
13	930	---	---	1840	1640	1740	3150	---	---	2810	---	---
14	950	860	909	1730	1580	1640	2140	---	---	2760	2370	2580
15	980	920	957	1810	1590	1690	2360	2090	2220	2720	2560	2640
16	1050	980	1010	1860	---	---	2950	2050	2320	2700	2520	2580
17	1530	1030	1220	1910	---	---	3440	---	---	2730	2450	2590
18	1100	1000	1040	2830	1010	1440	2190	1890	2070	2700	2410	2570
19	1140	1050	1100	1740	1310	1570	2450	2100	2240	2520	2290	2400
20	1400	1110	1200	1840	1670	1750	2540	2310	2440	2550	2280	2390
21	1270	1230	1250	1930	1810	1870	3140	1160	1640	2350	2150	2230
22	1320	1260	1290	2040	1810	1920	3200	1480	1850	2320	2160	2240
23	1360	1300	1330	1980	1860	1940	2570	1580	1860	2310	2040	2180
24	1390	---	---	1950	1820	1910	1900	1660	1780	2260	1900	2130
25	---	---	---	1860	1810	1840	1960	1820	1880	2020	1860	1930
26	---	---	---	2000	1780	1850	2280	1860	2110	2160	1910	2060
27	1600	---	---	1890	1810	1840	2350	2140	2250	2150	2040	2080
28	1550	1470	1500	1930	1800	1880	2300	2130	2220	2120	1940	2030
29	1530	1440	1480	2260	---	---	2390	2120	2270	2170	2000	2080
30	1830	1090	1400	1970	1810	1850	2790	2390	2560	2220	1710	1860
31	---	---	---	2050	1760	1890	2890	---	---	---	---	---
MONTH	---	---	---	2830	---	---	3440	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NR WASHINGTON, UT

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	15.3	10.0	12.3	8.7	4.7	6.2	6.3	3.8	5.2
2	---	---	---	13.0	11.6	12.1	8.7	5.0	6.5	7.8	4.2	5.7
3	---	---	---	11.7	9.6	10.7	7.7	5.4	6.6	6.9	4.6	5.8
4	---	---	---	11.1	7.0	9.1	8.6	6.2	7.3	8.7	6.5	7.7
5	---	---	---	14.0	8.6	11.0	9.1	7.3	8.2	8.5	7.1	8.1
6	---	---	---	14.4	9.2	11.7	11.0	8.4	9.4	8.8	5.5	7.0
7	---	---	---	14.7	9.8	12.4	10.3	7.5	9.2	7.7	---	---
8	---	---	---	14.8	10.5	12.6	7.5	4.5	6.5	---	---	---
9	---	---	---	15.2	9.7	12.4	7.5	3.7	5.2	---	---	---
10	---	---	---	14.3	10.2	12.4	6.9	3.8	5.1	---	---	---
11	---	---	---	15.3	12.2	13.6	7.4	4.0	5.3	---	---	---
12	20.8	13.8	17.3	13.8	11.8	12.7	6.9	4.4	5.6	---	---	---
13	19.1	16.2	17.5	13.6	9.6	11.5	6.7	5.7	6.2	---	---	---
14	20.4	15.2	17.6	11.1	6.9	8.9	7.5	5.7	6.3	---	---	---
15	19.0	6.7	12.4	10.8	6.2	8.2	8.2	5.0	6.3	---	---	---
16	13.0	4.0	8.4	10.3	7.9	8.6	8.0	4.6	5.9	---	---	---
17	22.5	6.0	12.0	9.8	6.5	8.1	8.2	4.4	5.8	---	---	---
18	28.0	6.7	13.1	8.6	6.2	7.6	8.3	4.7	6.1	---	---	---
19	17.8	11.7	14.2	8.2	5.3	6.3	8.5	5.0	6.4	---	---	---
20	17.4	12.0	14.2	8.2	4.1	5.9	8.3	4.6	6.2	---	---	---
21	17.4	12.0	14.3	8.7	5.0	6.8	8.2	4.4	5.9	---	---	---
22	17.0	12.0	14.2	8.8	5.1	6.7	7.3	5.0	6.0	---	---	---
23	16.8	12.0	14.1	8.7	4.4	6.2	8.0	6.4	7.2	---	---	---
24	16.2	13.0	14.1	9.4	5.7	7.2	9.6	8.0	8.8	---	---	---
25	17.1	12.1	14.2	16.1	---	---	10.6	8.6	9.6	---	---	---
26	17.5	12.4	14.5	---	---	---	10.5	7.6	8.7	---	---	---
27	16.8	12.4	14.3	---	---	---	9.9	6.4	8.0	---	---	---
28	17.2	12.1	14.2	---	---	---	9.1	6.7	8.0	---	---	---
29	16.5	12.0	13.9	---	---	---	10.6	8.6	9.6	---	---	---
30	15.6	10.9	12.9	---	---	---	11.1	8.0	9.5	---	---	---
31	15.0	9.9	12.1	---	---	---	8.0	6.1	7.0	---	---	---
MONTH	---	---	---	---	---	---	11.1	3.7	7.1	---	---	--

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	12.1	9.6	10.7	14.7	8.9	11.6	---	---	---
2	---	---	---	11.1	8.5	9.7	14.2	10.3	12.0	---	---	---
3	---	---	---	9.7	8.9	9.5	15.8	9.4	12.3	---	---	---
4	---	---	---	11.1	9.1	9.9	17.1	10.4	13.5	---	---	---
5	---	---	---	10.7	8.1	9.7	16.4	11.4	13.9	---	---	---
6	---	---	---	---	---	---	15.0	11.8	13.3	---	---	---
7	---	---	---	---	---	---	14.8	11.0	12.7	---	---	---
8	---	---	---	---	---	---	14.6	11.5	12.8	---	---	---
9	---	---	---	---	---	---	12.3	9.0	10.8	---	---	---
10	---	---	---	---	---	---	12.3	7.7	9.7	---	---	---
11	---	---	---	---	---	---	13.2	8.3	10.4	---	---	---
12	13.2	9.2	10.7	---	---	---	15.3	9.5	12.1	---	---	---
13	12.5	9.5	10.8	---	---	---	14.0	11.6	12.7	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	12.9	9.4	11.1	---	---	---
16	---	---	---	---	---	---	10.8	9.2	10.1	---	---	---
17	---	---	---	---	---	---	12.3	8.4	9.9	---	---	---
18	12.6	6.6	9.3	---	---	---	10.6	6.4	9.8	17.5	12.3	14.5
19	13.9	7.3	10.2	---	---	---	11.0	8.7	10.0	16.7	13.2	15.1
20	14.3	8.3	10.9	13.0	10.6	11.9	11.6	10.0	10.6	17.6	12.4	15.4
21	13.9	8.8	11.4	12.2	---	---	13.4	8.8	11.1	16.8	13.7	15.4
22	15.3	10.1	12.4	---	---	---	15.4	10.4	12.6	15.3	13.6	14.6
23	14.7	9.1	11.7	---	---	---	17.3	12.0	14.2	15.5	11.9	13.5
24	14.0	8.8	11.3	---	---	---	18.0	12.7	15.0	15.5	---	---
25	14.2	10.3	12.1	12.4	---	---	17.8	13.6	15.5	15.5	11.1	13.1
26	14.6	9.2	11.7	---	---	---	17.2	13.7	15.3	15.9	11.1	14.0
27	14.8	9.5	11.9	---	---	---	16.7	13.1	14.8	---	12.9	---
28	15.0	10.3	12.4	---	---	---	---	---	---	17.8	14.3	15.8
29	---	---	---	---	---	---	---	---	---	18.0	13.7	15.7
30	---	---	---	---	---	---	---	---	---	18.0	13.3	15.6
31	---	---	---	---	---	---	---	---	---	19.4	14.5	16.8
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.1	15.5	17.3	27.0	---	---	29.5	21.0	24.8	25.5	21.2	23.4
2	17.7	15.4	16.6	25.8	20.4	23.0	29.5	20.8	25.0	28.2	21.4	24.4
3	17.0	14.6	15.6	25.3	20.4	22.8	29.9	21.9	25.7	29.9	21.8	25.4
4	18.6	13.8	16.1	27.7	19.9	23.5	30.2	21.2	25.4	27.6	22.1	25.0
5	19.7	15.4	17.5	28.8	20.3	24.2	30.0	21.5	25.4	29.5	22.5	25.8
6	17.5	14.3	16.0	29.1	21.3	24.9	29.5	20.7	24.9	25.9	---	---
7	15.1	11.1	13.8	28.5	21.4	24.6	28.6	20.8	24.5	27.1	---	---
8	16.1	12.3	14.0	28.6	22.4	25.1	29.7	21.6	25.3	26.3	23.0	24.4
9	17.9	12.5	14.9	29.5	23.1	25.7	29.7	21.0	25.1	27.1	21.2	24.1
10	20.4	14.9	17.3	29.2	22.7	25.7	27.3	22.5	24.7	26.4	20.2	23.3
11	---	16.7	---	25.6	22.9	23.8	29.7	22.4	26.1	26.3	19.4	22.8
12	22.6	18.0	20.0	27.5	22.0	24.2	29.9	22.0	25.7	27.0	19.3	23.1
13	---	18.3	---	25.5	21.1	23.1	29.8	21.4	25.7	26.9	19.5	23.1
14	22.5	17.9	20.0	28.0	20.3	23.6	28.4	19.1	24.0	27.1	19.0	23.0
15	20.1	16.6	18.3	29.6	20.8	24.8	29.5	22.0	25.4	27.1	19.3	23.1
16	16.7	15.2	16.2	28.3	---	---	28.2	23.4	25.7	26.8	19.5	23.0
17	17.5	14.0	15.3	26.8	21.2	23.7	28.4	---	---	26.3	20.2	22.9
18	19.9	13.9	16.5	27.3	22.0	24.6	29.3	20.6	24.6	25.9	18.8	22.1
19	22.0	15.7	18.5	27.8	21.3	24.4	25.7	20.9	23.7	26.0	18.2	21.8
20	23.3	16.7	19.8	28.7	21.2	24.5	26.2	22.6	24.0	24.7	18.3	21.5
21	23.9	17.1	20.3	28.1	20.0	23.7	28.1	22.1	24.6	22.7	16.1	19.2
22	24.7	17.4	20.9	27.9	19.5	23.3	30.4	23.2	26.1	22.5	14.3	18.1
23	25.4	18.2	21.5	27.5	19.4	23.1	30.4	23.9	26.7	23.6	16.8	20.0
24	26.1	---	---	28.3	19.4	23.4	30.1	23.4	26.5	23.0	17.1	19.9
25	---	---	---	27.9	18.8	23.0	29.8	22.9	26.1	22.9	16.5	19.7
26	---	---	---	27.5	18.8	22.9	29.7	22.0	25.6	24.0	17.8	20.7
27	---	22.2	---	28.1	19.4	23.4	28.8	21.3	24.9	23.9	17.2	20.5
28	27.1	20.6	23.3	29.2	19.9	24.0	29.1	21.4	25.0	24.7	19.1	21.5
29	26.2	20.5	22.7	---	20.2	---	29.3	21.5	25.2	23.3	17.5	19.9
30	26.6	20.7	23.4	27.3	20.1	23.2	30.1	21.0	25.2	20.9	14.6	17.6
31	---	---	---	28.1	19.2	23.2	29.4	21.8	25.5	---	---	---
MONTH	---	---	---	---	---	---	30.4	---	---	29.9	---	---

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)
Mar. 11	0800	160	3.14	June 5	1800	125	2.94
May 2	0200	86	2.69	June 14	2130	*207	*3.36
May 22	0100	97	2.76	June 30	0500	116	2.89

Minimum daily discharge, 2.0 ft$^3/_s$, many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	2.2	2.3	e3.0	4.0	13	11	64	84	93	25	13
2	2.2	2.4	2.3	e2.7	6.2	11	11	80	108	82	25	13
3	2.2	2.5	2.3	e2.7	6.9	12	11	62	106	71	24	12
4	2.0	2.3	2.3	2.5	7.2	12	12	51	104	66	23	12
5	2.6	2.4	2.3	2.8	7.2	15	16	50	114	63	23	12
6	2.6	2.4	2.3	e2.5	7.4	18	20	41	124	61	22	12
7	2.3	2.4	2.4	e2.5	7.3	14	21	33	88	60	22	12
8	2.2	2.3	e2.4	2.4	6.5	13	24	29	58	60	21	11
9	2.2	2.2	e2.4	2.5	5.8	11	25	27	44	58	21	11
10	2.1	2.2	e2.4	2.8	5.2	17	21	27	41	56	20	11
11	2.1	2.4	e2.4	3.1	5.0	116	19	31	51	54	20	10
12	2.1	3.0	2.3	2.7	4.8	34	19	40	82	51	20	10
13	2.3	2.6	2.2	2.6	4.7	26	22	39	112	48	20	9.9
14	3.5	e2.7	2.2	2.7	13	27	25	35	126	46	19	9.7
15	3.2	e2.6	2.1	3.4	10	32	22	38	116	44	18	9.5
16	2.8	2.3	2.0	3.4	7.5	34	20	46	e100	41	18	9.3
17	2.6	e2.5	2.0	e3.4	6.7	33	19	44	e80	40	18	9.2
18	2.6	e2.5	2.1	e3.4	6.6	31	18	47	e75	39	17	9.0
19	2.5	e2.5	2.1	e3.0	7.0	33	16	53	e60	37	17	8.7
20	2.6	e2.5	2.0	e3.0	7.8	34	15	62	71	36	17	8.5
21	2.4	e2.5	2.0	2.9	9.3	42	14	80	75	34	17	8.3
22	2.4	e2.5	2.0	e3.0	11	36	13	85	74	33	17	8.3
23	2.3	e2.5	2.1	e3.0	12	28	14	75	76	32	16	8.1
24	2.3	e2.5	3.1	3.0	12	23	17	75	81	31	16	7.9
25	2.3	2.4	5.5	3.4	14	20	21	63	85	30	16	7.8
26	2.3	2.6	3.7	3.1	13	18	25	53	84	29	15	7.6
27	2.3	e2.5	3.2	2.8	12	16	26	48	82	28	15	7.5
28	2.3	e2.0	3.4	e2.8	12	14	31	47	85	28	14	7.5
29	2.3	e2.0	3.2	e2.8	---	13	41	48	85	27	14	7.4
30	2.3	2.3	3.0	e2.8	---	12	58	50	103	26	14	7.4
31	2.3	---	e3.0	2.8	---	11	---	63	---	26	13	---
TOTAL	74.5	72.7	79.0	89.5	232.1	769	627	1586	2574	1430	577	290.6
MEAN	2.40	2.42	2.55	2.89	8.29	24.8	20.9	51.2	85.8	46.1	18.6	9.69
MAX	3.5	3.0	5.5	3.4	14	116	58	85	126	93	25	13
MIN	2.0	2.0	2.0	2.4	4.0	11	11	27	41	26	13	7.4
AC-FT	148	144	157	178	460	1530	1240	3150	5110	2840	1140	576

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1995, BY WATER YEAR (WY)

MEAN	3.52	3.85	3.82	2.77	3.34	6.66	17.7	34.9	26.3	11.1	6.12	4.03
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	5.03	2.63	1.21	1.07	1.02
(WY)	1978	1978	1978	1990	1990	1977	1977	1989	1963	1963	1960	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1960 - 1995	
ANNUAL TOTAL	2224.8		8401.4			
ANNUAL MEAN	6.10		23.0		10.4	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					2.30	1977
HIGHEST DAILY MEAN	30	Apr 22	126	Jun 14	397	Dec 6 1966
LOWEST DAILY MEAN	2.0	Sep 27	2.0	Oct 4	.51	Feb 15 1990
ANNUAL SEVEN-DAY MINIMUM	2.0	Dec 16	2.0	Dec 16	.55	Feb 13 1990
ANNUAL RUNOFF (AC-FT)	4410		16660		7510	
10 PERCENT EXCEEDS	15		63		25	
50 PERCENT EXCEEDS	3.4		12		4.0	
90 PERCENT EXCEEDS	2.2		2.3		1.7	

e Estimated

09408500 SANTA CLARA-PINTO DIVERSION NEAR PINTO, UT (Transmountain diversion)

LOCATION.--Lat 37°28'04", long 113°28'21", in SW¼SE¼NW¼ sec. 19, T. 38 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank 0.2 mi downstream from outlet of diversion tunnel and 6 mi southeast of Pinto.

PERIOD OF RECORD.--October 1953 to September 1962 (monthly discharge only, October 1953 to September 1960), October 1969 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,820 ft above sea level, from topographic map. Prior to September 1962, at site 600 ft upstream at different datum. Prior to October 1990, at same location at datum 3.0 ft higher.

REMARKS.--Records good except for estimated daily discharges, and flows below 1.0 ft3/s, which are poor. Flow at this station is seasonal occurring during the snowmelt period and heavy storm periods. This is a transmountain diversion from a tributary of Santa Clara River in the Colorado River Basin to Pinto Creek in Escalante Valley in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 229 ft^3/s, May 24, 1983, gage height, 5.58 ft present datum; no flow for part of each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 86 ft^3/s, Apr. 30, gage height, 5.25 ft; no flow for extended periods during year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	22	4.9	62	48	23	.00	.00
2	.00	.00	.00	.00	.00	21	4.9	69	58	19	.00	.00
3	.00	.00	.00	.00	.00	19	4.2	51	59	17	.00	.00
4	.00	.00	.00	.00	.00	19	4.9	40	54	15	.00	.00
5	.00	.00	.00	.00	.00	22	9.7	48	55	13	.00	.00
6	.00	.00	.00	.00	.00	31	18	36	58	12	.00	.00
7	.00	.00	.00	.00	.00	29	23	24	47	11	.00	.00
8	.00	.00	.00	.00	1.8	25	37	18	38	11	.00	.00
9	.00	.00	.00	.00	2.3	27	43	16	30	9.3	.00	.00
10	.00	.00	.00	.00	2.0	30	29	21	22	8.5	.00	.00
11	.00	.00	.00	.00	e1.5	59	21	42	23	7.8	.00	.00
12	.00	.00	.00	.00	e1.0	44	21	56	34	6.8	.00	.00
13	.00	.00	.00	.00	e.80	28	32	50	47	5.4	.00	.00
14	.00	.00	.00	.00	e.70	25	41	43	50	5.6	.00	.00
15	.00	.00	.00	.00	e.60	22	31	46	49	4.5	.00	.00
16	.00	.00	.00	.00	e.60	25	24	49	45	4.0	.00	.00
17	.00	.00	.00	.00	e.50	24	21	41	34	3.9	.00	.00
18	.00	.00	.00	.00	e1.0	18	19	41	26	3.6	.00	.00
19	.00	.00	.00	.00	e2.5	21	16	45	22	3.1	.00	.00
20	.00	.00	.00	.00	e5.0	19	15	47	24	2.1	.00	.00
21	.00	.00	.00	.00	7.5	24	13	54	26	.46	.00	.00
22	.00	.00	.00	.00	8.5	16	15	57	25	.35	.00	.00
23	.00	.00	.00	.00	10	9.3	14	53	24	.23	.00	.00
24	.00	.00	.00	.00	11	6.9	16	53	25	.00	.00	.00
25	.00	.00	.00	.00	15	9.0	25	47	25	.00	.00	.00
26	.00	.00	.00	.00	16	14	42	41	26	.00	.00	.00
27	.00	.00	.00	.00	16	11	43	36	26	.00	.00	.00
28	.00	.00	.00	.00	17	8.7	53	34	26	.00	.00	.00
29	.00	.00	.00	.00	---	7.0	62	35	25	.00	.00	.00
30	.00	.00	.00	.00	---	5.8	71	35	26	.00	.00	.00
31	.00	---	.00	.00	---	6.2	---	39	---	.00	.00	---
TOTAL	0.00	0.00	0.00	0.00	121.30	647.9	773.6	1329	1077	186.64	0.00	0.00
MEAN	.000	.000	.000	.000	4.33	20.9	25.8	42.9	35.9	6.02	.000	.000
MAX	.00	.00	.00	.00	17	59	71	69	59	23	.00	.00
MIN	.00	.00	.00	.00	.00	5.8	4.2	16	22	.00	.00	.00
AC-FT	.00	.00	.00	.00	241	1290	1530	2640	2140	370	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961-1962, 1970 - 1995, BY WATER YEAR (WY)

MEAN	.56	1.06	.20	.098	.51	4.00	17.5	20.7	7.83	.41	.38	.003
MAX	14.4	13.5	2.13	1.54	4.33	20.9	59.9	73.4	42.6	6.02	7.97	.074
(WY)	1973	1973	1972	1984	1995	1995	1978	1983	1983	1995	1984	1983
MIN	.000	.000	.000	.000	.000	.000	.000	.024	.000	.000	.000	.000
(WY)	1961	1962	1962	1962	1973	1973	1977	1989	1974	1961	1961	1961

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1961 - 1962, 1970 - 1995	
ANNUAL TOTAL	622.51		4135.44			
ANNUAL MEAN	1.71		11.3		4.44	
HIGHEST ANNUAL MEAN					13.8	1983
LOWEST ANNUAL MEAN					.27	1989
HIGHEST DAILY MEAN	18	Apr 22	71	Apr 30	180	May 24 1983
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Oct 1 1960
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 1	.00	Oct 1	.00	Oct 1 1960
ANNUAL RUNOFF (AC-FT)	1230		8200		3220	
10 PERCENT EXCEEDS	7.5		41		14	
50 PERCENT EXCEEDS	.00		.00		.00	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

09409100 SANTA CLARA RIVER ABOVE BAKER RESERVOIR NEAR CENTRAL, UT

LOCATION.--Lat 37°23'05", long 113°37'52", in $SW^1/_4NW^1/_4NE^1/_4$ sec. 22, T. 39 S., R. 16 W., Washington County, Hydrologic Unit 15010008, on left bank 0.6 mi downstream from Kane Spring Draw, 0.8 mi upstream from Baker Dam, 2.6 (revised) mi south of Central, Utah, and 4.0 mi north of Veyo, Utah.

DRAINAGE AREA.--116 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,875 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good except those for discharges less than 2.0 $ft^3/_s$ and those for discharges greater than 200 $ft^3/_s$, which are poor. Diversion 0.5 mi upstream for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,160 $ft^3/_s$ (estimated), Mar. 11, 1995, gage height, 5.79 ft, from rating curve extended above 100 $ft^3/_s$ on basis of slope-area measurement at gage height 2.28 ft and velocity-area measurement at gage height 2.78 ft; minimum daily discharge, 0.13 $ft^3/_s$, Aug. 15, 16, 1991.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 6, 1966 reached a discharge of 2,080 $ft^3/_s$, from flow over dam measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,160 $ft^3/_s$ (estimated), Mar. 11, gage height, 5.79 ft, from rating curve extended as explained above; minimum daily discharge, 0.51 $ft^3/_s$, Nov. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	1.0	.61	.62	1.1	16	20	61	78	81	9.8	17
2	8.3	1.0	.61	.66	1.3	21	20	75	102	71	9.5	16
3	8.3	1.1	.58	.65	1.5	17	19	65	108	63	8.9	16
4	8.0	1.1	.57	.73	1.6	14	19	53	108	57	4.9	16
5	8.2	1.2	.57	.69	1.6	83	21	55	120	55	2.6	16
6	8.9	1.2	.58	.66	1.6	119	24	49	137	51	2.3	29
7	9.2	1.2	.58	.67	1.7	30	25	40	108	49	2.4	19
8	9.0	1.2	.55	.67	1.6	23	27	35	83	47	2.1	18
9	8.6	1.2	.55	.77	1.5	19	29	32	66	46	1.8	18
10	4.1	1.3	.66	.85	1.5	20	24	31	57	45	2.1	17
11	.83	1.3	.66	1.3	1.5	393	20	32	62	44	2.4	16
12	.81	1.5	.64	.89	1.5	189	18	42	78	39	4.1	16
13	.82	1.2	.63	.83	1.5	119	19	43	105	32	2.7	16
14	.93	4.8	.61	.82	100	87	22	39	119	32	2.6	15
15	.99	10	.60	1.0	19	77	21	40	120	28	2.8	14
16	.78	7.9	.58	1.0	6.9	69	19	48	98	25	3.6	14
17	.72	.68	.59	.89	5.6	59	19	45	78	24	2.3	14
18	.72	.64	.59	.87	5.2	53	20	47	65	22	2.3	14
19	.74	.62	.59	.99	5.0	57	18	49	61	20	2.0	14
20	.75	.62	.62	1.0	5.4	56	17	58	64	18	2.5	14
21	.76	.61	.61	1.0	5.7	67	17	74	69	17	2.4	13
22	.76	.55	.63	.97	6.5	69	16	82	68	17	9.0	14
23	.76	.51	.62	.99	7.0	49	18	78	68	16	16	14
24	.79	.55	.64	1.0	7.0	47	22	83	68	15	16	14
25	.77	.60	.93	1.2	7.9	44	19	80	70	14	16	13
26	.77	.59	.80	1.3	9.8	40	21	65	73	12	16	13
27	.74	.57	.69	1.2	9.1	39	22	57	68	11	15	14
28	.76	.60	.67	1.1	9.4	31	25	54	70	11	14	13
29	.85	.58	.67	1.1	---	24	31	52	70	12	17	14
30	.96	.59	.67	1.0	---	22	48	54	83	10	17	14
31	1.0	---	.64	1.1	---	21	---	61	---	11	16	---
TOTAL	97.11	46.51	19.54	28.52	229.0	1974	660	1679	2524	995	228.1	465
MEAN	3.13	1.55	.63	.92	8.18	63.7	22.0	54.2	84.1	32.1	7.36	15.5
MAX	9.2	10	.93	1.3	100	393	48	83	137	81	17	29
MIN	.72	.51	.55	.62	1.1	14	16	31	57	10	1.8	13
AC-FT	193	92	39	57	454	3920	1310	3330	5010	1970	452	922

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	2.54	2.55	3.48	4.06	5.36	20.0	13.6	27.1	22.9	8.99	3.60	5.38
MAX	7.93	10.3	10.6	12.9	11.8	63.7	35.1	77.8	84.1	32.1	7.36	15.5
(WY)	1993	1993	1993	1993	1993	1995	1993	1993	1995	1995	1995	1995
MIN	.41	.50	.40	.55	.55	.75	1.65	.47	.63	.66	.74	.54
(WY)	1992	1990	1990	1990	1990	1990	1990	1990	1990	1990	1992	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	1433.60		8945.78			
ANNUAL MEAN	3.93		24.5		9.99	
HIGHEST ANNUAL MEAN					24.5	1995
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	21	Mar 20	393	Mar 11	393	Mar 11 1995
LOWEST DAILY MEAN	.51	Nov 23	.51	Nov 23	.13	Aug 15 1991
ANNUAL SEVEN-DAY MINIMUM	.57	Nov 22	.57	Nov 22	.18	Aug 14 1991
ANNUAL RUNOFF (AC-FT)	2840		17740		7240	
10 PERCENT EXCEEDS	8.4		69		23	
50 PERCENT EXCEEDS	1.6		14		2.2	
90 PERCENT EXCEEDS	.65		.64		.51	

09409880 SANTA CLARA RIVER AT GUNLOCK, UT

LOCATION.--Lat 37°16'55", long 113°46'00", in $SW^1/_4SW^1/_4NW^1/_4$ sec. 28, T. 40 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank at downstream side of bridge on county road at Gunlock, 0.5 mi downstream from tailrace of powerhouse.

DRAINAGE AREA.--271 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,628 ft above sea level, from topographic map.

REMARKS.--Records good except those for Mar. 8 to Apr. 21 and estimated daily discharges, which are poor. Many diversions for irrigation upstream from station. Flow regulated by several reservoirs and powerplant upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,830 $ft^3/_s$ (estimated), Mar. 11, 1995, gage height, 8.07 ft; no flow several days during 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,830 $ft^3/_s$ (estimated), Mar. 11, gage height, 8.07 ft; minimum daily discharge, 3.5 $ft^3/_s$, Oct. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	6.6	11	16	34	39	88	85	e70	78	19	15
2	4.1	7.1	12	15	54	52	83	90	e85	74	18	15
3	5.0	8.5	13	15	59	70	81	77	e104	68	19	15
4	3.5	7.6	13	14	50	74	78	69	e112	63	19	15
5	4.9	7.3	12	16	44	183	62	69	e112	59	18	14
6	4.9	7.8	12	14	40	469	42	66	e145	55	19	25
7	4.3	9.5	12	13	36	185	46	66	e143	53	19	22
8	4.0	8.2	13	14	33	112	40	61	e145	50	17	20
9	5.2	5.0	12	14	31	94	41	54	e130	47	12	20
10	4.7	4.6	12	45	29	71	49	48	113	47	12	20
11	4.6	4.9	12	177	28	693	54	49	112	46	14	18
12	4.3	5.4	11	142	27	1100	51	55	116	45	18	18
13	5.2	8.0	11	57	27	394	43	59	116	42	21	18
14	5.0	9.1	10	45	1150	296	45	59	117	45	19	18
15	5.5	7.5	8.6	93	313	247	54	57	99	41	17	19
16	5.6	6.6	10	73	82	185	54	63	101	39	15	19
17	5.0	8.7	12	45	52	153	62	66	99	38	17	19
18	5.6	11	14	33	41	133	61	65	90	34	19	18
19	5.2	9.3	12	29	37	123	81	67	82	31	16	18
20	5.6	9.5	12	26	35	117	79	73	78	31	15	18
21	5.7	11	12	26	32	125	e65	94	78	30	14	16
22	5.9	13	12	24	35	148	e64	114	75	30	14	16
23	6.0	14	12	22	42	108	e63	114	73	29	13	18
24	5.4	12	12	23	40	114	e70	94	73	28	11	16
25	6.2	11	71	25	39	98	e65	50	74	27	10	15
26	6.2	12	46	71	37	80	e70	55	72	24	10	15
27	6.3	15	27	61	36	80	e58	52	71	18	12	16
28	6.5	11	22	47	35	134	51	49	72	18	13	17
29	5.3	12	20	39	---	93	50	51	73	20	13	19
30	5.4	13	19	34	---	90	57	e46	77	21	14	19
31	6.7	---	18	31	---	88	---	e60	---	20	15	---
TOTAL	161.7	276.2	505.6	1299	2498	5948	1807	2077	2907	1251	482	531
MEAN	5.22	9.21	16.3	41.9	89.2	192	60.2	67.0	96.9	40.4	15.5	17.7
MAX	6.7	15	71	177	1150	1100	88	114	145	78	21	25
MIN	3.5	4.6	8.6	13	27	39	40	46	70	18	10	14
AC-FT	321	548	1000	2580	4950	11800	3580	4120	5770	2480	956	1050

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 1995, BY WATER YEAR (WY)

MEAN	10.7	15.1	15.5	20.2	39.7	55.7	41.9	44.8	33.7	12.5	9.49	8.60
MAX	28.0	30.9	26.0	95.4	372	211	150	222	138	40.4	30.5	26.5
(WY)	1984	1981	1981	1980	1980	1979	1973	1973	1973	1995	1980	1980
MIN	3.14	5.78	7.72	4.73	7.69	8.08	6.05	5.14	4.85	2.72	3.10	2.79
(WY)	1992	1990	1978	1972	1972	1971	1977	1989	1972	1977	1989	1990

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1970 - 1995	
ANNUAL TOTAL	4494.47		19743.5			
ANNUAL MEAN	12.3		54.1		25.5	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					7.10	1990
HIGHEST DAILY MEAN	78	Feb 18	1150	Feb 14	2040	Feb 15 1980
LOWEST DAILY MEAN	.87	Jun 16	3.5	Oct 4	.00	Jul 26 1977
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 23	4.4	Oct 1	.02	Aug 1 1977
ANNUAL RUNOFF (AC-FT)	8910		39160		18510	
10 PERCENT EXCEEDS	23		106		54	
50 PERCENT EXCEEDS	11		31		13	
90 PERCENT EXCEEDS	3.4		6.7		4.9	

e Estimated

09410100 SANTA CLARA RIVER BELOW WINSOR DAM, NEAR SANTA CLARA, UT

LOCATION.--Lat 37°11'22", long 113°46'02", in NE$^1/_4$NW$^1/_4$SW$^1/_4$ sec. 28, T. 41 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank 1,100 ft downstream from Winsor Dam, 0.6 mi northwest of Shivwits Indian Village, and 7.5 mi northwest of Santa Clara.

DRAINAGE AREA.--378 mi^2.

PERIOD OF RECORD.--December 1971 to current year.

REVISED RECORDS.--WRD UT-73-1:1972(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,210 ft above sea level, from topographic map, prior to Mar. 29, 1988, at several sites upstream and downstream at different datums.

REMARKS.--Records good except those for flows less than 2.0 ft$^3/_s$, those for flows in excess of 300 ft$^3/_s$, and those for estimated daily discharges, which are poor. Flow regulated by Gunlock Reservoir. Several diversions upstream for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 5,850 ft$^3/_s$, flood of 1938 (exact date unknown), gage height, 7.90 ft, from slope area measurement.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,460 ft$^3/_s$, Mar. 12, 1995, gage height, 20.17 ft from rating curve extended above 1,300 ft$^3/_s$ on basis of slope-area measurement; no flow several days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,460 ft$^3/_s$, Mar. 12, gage height, 20.17 ft; minimum daily discharge, 0.03 ft$^3/_s$, Oct. 28 to Nov. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	.03	.30	.37	.70	35	75	48	61	65	23	14
2	2.6	.05	.33	.37	.70	33	75	59	76	64	24	14
3	.78	.06	.33	.34	.64	37	77	68	95	60	24	14
4	.31	.06	.33	.41	.64	33	83	62	102	53	26	15
5	.20	.07	.33	.76	.60	87	69	61	97	48	26	12
6	.18	.08	.33	.58	.57	642	60	61	106	45	26	9.4
7	.10	.09	.32	.58	.57	190	53	60	104	43	26	11
8	.06	.11	.31	.62	.57	118	50	58	93	41	26	12
9	.05	.11	.29	.57	.52	85	49	54	72	38	26	11
10	.05	.12	.29	.85	.52	67	47	48	66	37	24	11
11	.04	.14	.29	2.0	.52	931	46	45	62	37	18	11
12	.04	.23	.29	.95	.52	1450	44	45	62	37	19	11
13	.04	.22	.35	.85	.52	517	43	46	74	37	20	11
14	.05	.20	.38	.77	447	425	44	47	92	36	20	11
15	.06	.20	.33	1.0	377	360	44	49	102	34	21	12
16	.04	.20	.30	.81	109	286	44	49	97	34	22	12
17	.04	.20	.29	.70	57	627	44	53	96	32	19	12
18	.04	.37	.29	.64	44	550	46	51	77	30	19	12
19	.05	.29	.30	.60	44	324	50	52	67	29	18	12
20	.04	.26	.30	.57	41	123	52	52	60	28	18	12
21	.04	.26	.29	.57	40	117	55	54	60	28	18	13
22	.04	.26	.29	.52	41	136	54	64	60	28	18	16
23	.04	.26	.30	.52	40	118	53	72	59	28	16	17
24	.04	.26	.40	.72	40	117	58	85	58	28	16	14
25	.04	.26	.48	1.5	40	125	e59	107	58	28	16	6.4
26	.04	.30	.41	5.3	40	102	e59	71	58	27	15	5.6
27	.04	.29	.37	1.3	40	87	e52	65	54	27	15	5.1
28	.03	.29	.34	.93	40	89	e43	60	59	27	15	4.7
29	.03	.29	.40	.85	---	79	46	56	56	27	15	6.3
30	.03	.29	.37	.78	---	83	43	54	58	27	14	8.1
31	.03	---	.37	.77	---	77	---	55	---	21	14	---
TOTAL	14.67	5.85	10.30	28.10	1447.59	8050	1617	1811	2241	1124	617	335.6
MEAN	.47	.19	.33	.91	51.7	260	53.9	58.4	74.7	36.3	19.9	11.2
MAX	9.5	.37	.48	5.3	447	1450	83	107	106	65	26	17
MIN	.03	.03	.29	.34	.52	33	43	45	54	21	14	4.7
AC-FT	29	12	20	56	2870	15970	3210	3590	4450	2230	1220	666

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1995, BY WATER YEAR (WY)

MEAN	3.40	5.63	3.32	15.1	37.0	56.5	47.7	42.0	37.0	18.9	15.6	10.9
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1973 - 1995	
ANNUAL TOTAL	4110.20		17302.11			
ANNUAL MEAN	11.3		47.4		24.3	
HIGHEST ANNUAL MEAN					90.1	1980
LOWEST ANNUAL MEAN					3.76	1990
HIGHEST DAILY MEAN	47	Feb 21	1450	Mar 12	1530	Mar 3 1983
LOWEST DAILY MEAN	.03	Oct 28	.03	Oct 28	.00	Oct 8 1972
ANNUAL SEVEN-DAY MINIMUM	.03	Oct 26	.03	Oct 26	.00	Oct 8 1972
ANNUAL RUNOFF (AC-FT)	8150		34320		17610	
10 PERCENT EXCEEDS	19		86		56	
50 PERCENT EXCEEDS	13		19		12	
90 PERCENT EXCEEDS	.16		.16		.00	

e Estimated

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION.--Lat 37°04'31", long 113°35'32", in $SE^1/_4SW^1/_4NE^1/_4$ sec. 1, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010008 on right bank 0.8 mi upstream from mouth and 2 mi south of St. George.

DRAINAGE AREA.--541 mi^2.

PERIOD OF RECORD.--October 1950 to September 1956, November 1984 to current year.

GAGE.--Water-stage recorder.Crest-stage gage since Jan. 27, 1993. Elevation of gage is 2,560 ft above sea level, from topographic map. October 1950 to September 1956, gage located 0.25 mi downstream; November 1984 to September 1989, 0.5 mi downstream from present site, both at different datum.

REMARKS.--Records fair except those for estimated daily discharges and those for flows less than 2.0 ft^3/s, which are poor. Flow regulated by reservoirs and many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,000 ft^3/s, Mar. 12, 1995, gage height, 14.60 ft, from rating curve extended above 2,800 ft^3/s. No flow at times in 1951, 1953, 1955-56, 1989, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,000 ft^3/s, Mar. 12, gage height, 14.60 ft, from rating curve extended above 2,800 ft^3/s; minimum daily discharge, 1.2 ft^3/s, Oct. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.1	5.1	4.0	6.1	62	73	45	46	65	11	2.6
2	1.6	3.1	4.4	4.5	5.7	58	73	58	60	64	11	4.1
3	2.0	3.9	4.3	5.2	5.5	57	67	69	85	57	17	3.8
4	1.6	3.4	4.4	6.3	5.8	56	83	62	104	46	14	2.7
5	1.7	3.4	4.2	11	5.7	178	67	63	95	44	16	3.9
6	2.3	3.5	4.3	5.4	5.6	1370	57	62	102	42	11	92
7	1.6	3.3	4.9	5.2	5.2	262	49	65	107	39	7.9	7.1
8	2.7	3.3	4.4	5.2	5.4	136	43	62	103	38	5.0	e5.0
9	1.7	3.3	4.4	4.2	5.1	110	46	57	84	36	5.4	e4.5
10	1.5	3.5	3.8	9.4	5.4	88	50	52	67	31	8.7	e4.0
11	2.0	3.1	3.1	16	4.9	640	41	48	59	24	7.4	e4.0
12	1.5	5.8	3.5	10	4.3	2910	42	48	56	26	4.6	e4.0
13	1.9	3.6	4.0	5.5	3:9	746	40	43	63	25	5.4	e4.0
14	3.8	3.5	3.9	5.1	169	492	38	43	85	25	7.5	e4.0
15	7.9	2.6	3.8	5.3	901	394	36	45	102	24	7.7	e4.0
16	2.4	3.4	3.7	6.5	143	278	43	42	107	28	10	e4.0
17	2.2	5.2	3.6	5.8	76	240	46	47	107	29	12	e4.0
18	2.3	6.9	4.0	5.9	60	196	64	44	90	27	7.7	e4.0
19	2.0	4.1	4.1	5.6	56	161	72	39	71	20	3.9	e4.0
20	1.6	3.9	3.7	5.4	51	135	76	41	61	20	8.2	e4.0
21	1.9	4.0	3.6	5.7	49	126	79	46	53	20	12	e5.0
22	1.2	3.9	3.6	5.4	48	135	78	57	56	19	7.8	e6.0
23	1.8	3.9	4.2	5.0	45	131	75	59	54	25	14	e8.0
24	1.6	4.0	4.8	7.8	47	122	74	80	50	21	11	e9.0
25	1.5	4.3	9.0	12	47	122	71	106	56	14	5.1	e6.0
26	1.6	4.5	5.0	28	53	107	62	81	57	15	7.3	e2.0
27	1.8	4.5	4.5	16	53	87	45	66	57	17	6.0	e1.8
28	1.8	4.5	4.3	7.6	56	82	39	57	52	16	6.4	e1.6
29	1.8	4.1	4.1	6.8	---	75	43	55	55	15	3.3	e1.5
30	1.7	4.1	4.2	6.7	---	76	44	48	62	15	3.1	e2.5
31	2.2	---	4.1	6.3	---	74	---	44	---	14	2.6	---
TOTAL	65.7	116.7	133.0	238.8	1922.6	9706	1716	1734	2206	901	260.0	213.1
MEAN	2.12	3.89	4.29	7.70	68.7	313	57.2	55.9	73.5	29.1	8.39	7.10
MAX	7.9	6.9	9.0	28	901	2910	83	106	107	65	17	92
MIN	1.2	2.1	3.1	4.0	3.9	56	36	39	46	14	2.6	1.5
AC-FT	130	231	264	474	3810	19250	3400	3440	4380	1790	516	423

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	3.16	4.32	5.85	13.6	17.9	40.0	22.1	15.0	9.84	5.19	7.37	3.55
MAX	10.3	12.7	14.5	128	136	313	136	80.8	73.5	29.1	38.8	7.10
(WY)	1993	1953	1953	1993	1993	1995	1952	1993	1995	1995	1955	1985
MIN	.22	.59	.91	.82	.79	1.44	1.50	1.09	.31	.36	.055	.29
(WY)	1991	1991	1992	1991	1991	1991	1991	1990	1990	1990	1956	1953

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	2451.76		19212.9			
ANNUAL MEAN	6.72		52.6		12.6	
HIGHEST ANNUAL MEAN					56.0	1993
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	44	Feb 21	2910	Mar 12	2910	Mar 12 1995
LOWEST DAILY MEAN	.72	Aug 5	1.2	Oct 22	.00	Sep 21 1951
ANNUAL SEVEN-DAY MINIMUM	1.4	Jun 27	1.6	Oct 20	.00	Aug 2 1956
ANNUAL RUNOFF (AC-FT)	4860		38110		9160	
10 PERCENT EXCEEDS	16		87		20	
50 PERCENT EXCEEDS	3.7		11		3.5	
90 PERCENT EXCEEDS	1.8		2.6		.40	

e Estimated

09413200 VIRGIN RIVER NEAR BLOOMINGTON, UT

LOCATION.--Lat 37°04'14", long 113°34'55", in $SE^1/_4NW^1/_4SW^1/_4$ sec. 6, T. 43 S., R. 15 W., Washington County, Hydrologic Unit 15010010, on left bank 0.2 mi downstream from mouth of Santa Clara River, 0.2 mi upstream from I-15 bridge, and about 1.5 mi northeast of Bloomington.

DRAINAGE AREA.--3,994 mi^2.

PERIOD OF RECORD.--September 1977 to current year.

REVISED RECORD.--WDR-UT-92-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since May 9, 1989. Elevation of gage is 2,530 ft above sea level, from topographic map. Prior to Sept. 19, 1978 at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except those for Mar. 6 to July 6 and those for estimated daily discharges, which are poor. Diversions upstream from station for irrigation of about 19,600 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,000 $ft^3/_s$ (estimated on basis of slope conveyance) Jan. 1, 1989, gage height, 25.70 ft, result of Quail Creek reservoir dike failure; minimum daily discharge, 9.5 $ft^3/_s$ Sept. 5, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,170 $ft^3/_s$, Mar. 6, gage height, 11.72 ft from rating curve extended above 5,850 $ft^3/_s$ on basis of slope-area measurement of peak flow at gage height 10.76 ft; minimum daily discharge, 49 $ft^3/_s$, Aug. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	169	201	120	123	519	419	1180	897	323	91	62
2	107	113	199	127	146	628	422	1460	1000	292	74	56
3	106	131	202	140	155	587	407	1410	992	262	67	78
4	93	124	200	149	136	571	394	1290	1030	e210	79	88
5	115	99	204	176	125	953	415	1230	936	e170	66	78
6	105	96	204	191	130	4720	453	1090	961	e135	58	606
7	101	95	211	171	144	1390	476	950	825	150	58	808
8	88	90	211	185	139	753	512	868	750	152	49	301
9	91	86	206	197	160	665	589	916	701	174	51	463
10	88	82	202	305	157	589	540	1160	606	138	55	196
11	79	78	212	521	148	2060	468	1090	620	121	86	154
12	75	156	202	718	149	4930	449	1100	602	132	82	108
13	67	182	186	273	141	2200	531	1010	605	135	149	78
14	82	161	188	216	1460	1350	662	909	580	180	163	77
15	567	169	182	229	2050	1090	572	945	542	158	102	56
16	257	164	180	304	528	926	505	1080	545	134	78	59
17	164	179	186	243	303	891	502	1050	615	164	161	52
18	203	190	185	193	278	883	592	999	593	230	104	55
19	167	182	179	178	e270	848	712	1000	482	168	79	53
20	191	175	164	184	e265	847	648	1030	386	154	75	55
21	185	184	159	190	e260	853	607	1100	345	132	290	72
22	180	180	156	187	252	1040	607	1130	337	112	185	64
23	183	181	162	178	241	819	599	1070	311	106	206	64
24	188	206	168	191	243	797	574	1070	297	109	158	62
25	186	213	227	161	256	757	590	1580	343	114	129	86
26	186	206	206	365	293	637	682	1020	321	103	144	67
27	182	207	169	337	255	586	731	924	283	118	110	69
28	186	207	127	199	275	544	750	829	257	106	77	69
29	179	204	122	144	---	504	898	849	261	120	68	67
30	174	207	121	128	---	473	1110	871	309	134	62	80
31	187	---	120	120	---	444	---	875	---	116	58	---
TOTAL	4871	4716	5641	7020	9082	34854	17416	33085	17332	4852	3214	4183
MEAN	157	157	182	226	324	1124	581	1067	578	157	104	139
MAX	567	213	227	718	2050	4930	1110	1580	1030	323	290	808
MIN	67	78	120	120	123	444	394	829	257	103	49	52
AC-FT	9660	9350	11190	13920	18010	69130	34540	65620	34380	9620	6370	8300

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

MEAN	126	166	184	253	334	457	488	558	208	92.4	106	97.0
MAX	322	286	350	695	1642	1124	1335	1838	1145	244	246	326
(WY)	1984	1984	1984	1989	1980	1995	1993	1983	1983	1984	1982	1980
MIN	44.4	51.4	71.5	64.7	56.1	48.8	47.2	29.5	22.8	20.5	25.1	32.2
(WY)	1991	1991	1991	1991	1991	1990	1990	1990	1990	1990	1991	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1978 - 1995	
ANNUAL TOTAL	50275		146266			
ANNUAL MEAN	138		401		255	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					61.0	1991
HIGHEST DAILY MEAN	737	Feb 18	4930	Mar 12	13000	Jan 1 1989
LOWEST DAILY MEAN	17	Jul 10	49	Aug 8	9.5	Sep 5 1991
ANNUAL SEVEN-DAY MINIMUM	24	Jul 1	57	Sep 15	13	Aug 7 1990
ANNUAL RUNOFF (AC-FT)	99720		290100		185000	
10 PERCENT EXCEEDS	244		956		600	
50 PERCENT EXCEEDS	127		199		141	
90 PERCENT EXCEEDS	32		78		34	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ sec. 30, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on right bank immediately upstream from Beaver Dam Mountains Wilderness Area, 8.0 mi southwest of St. George.

DRAINAGE AREA.--4,123 mi^2.

PERIOD OF RECORD.--October 1950 to December 1956, October 1991 to current year.

REVISED RECORDS.--WDR UT-92-1: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 2,400 ft above sea level, from topographic map. October 1950 to December 1956, gage located about 400 ft downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges and those for flows greater than 1,200 ft$^3/_s$, which are poor. Flow regulated by reservoirs and many diversions for irrigation upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 55,000 ft$^3/_s$ (estimated) Jan. 1, 1989, gage height, about 30.0 ft, result of Quail Creek reservoir dike failure.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft$^3/_s$ Aug. 25, 1955, gage height 12.70, site and datum then in use; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,220 ft$^3/_s$, Mar. 6, gage height, 12.53 ft, from rating table extended above 1,200 ft$^3/_s$ on basis of slope-area measurement at gage height 11.03 ft; minimum daily discharge 31 ft$^3/_s$, Aug. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	200	223	119	138	703	368	1160	818	249	e70	46
2	90	117	222	121	157	e920	363	1280	930	222	e50	42
3	98	137	210	135	171	e830	335	1400	962	203	50	52
4	78	129	223	140	148	e810	326	1320	1030	177	60	69
5	106	102	233	173	128	795	373	1260	970	168	55	66
6	93	89	e240	206	126	3740	372	1160	973	148	40	495
7	101	89	e245	173	176	1530	507	935	820	132	46	1070
8	78	86	249	185	151	1130	e500	832	723	132	31	494
9	82	85	249	184	170	877	e570	e960	659	166	34	662
10	85	85	235	314	169	718	e620	1090	536	115	38	312
11	80	82	244	615	169	1270	e500	1040	531	94	57	e110
12	76	148	235	861	158	5020	e470	1050	519	97	67	e90
13	67	217	212	355	158	2380	419	952	505	103	116	e80
14	83	171	206	266	698	1860	e580	805	489	168	149	77
15	587	187	202	277	2390	1660	e620	798	461	148	80	58
16	371	173	190	357	1070	1430	508	969	454	92	52	55
17	165	186	200	279	323	e1330	432	967	523	123	127	56
18	237	212	193	214	252	1100	433	922	508	199	81	60
19	219	189	195	195	235	e1050	e710	920	449	149	61	57
20	e215	185	174	209	226	924	e600	974	375	120	45	53
21	214	179	173	219	230	885	e510	1040	345	87	254	70
22	198	189	165	207	245	e1150	498	1100	335	82	e180	61
23	210	185	175	195	262	e900	448	1080	323	77	e200	63
24	207	225	180	214	264	e900	425	1040	300	79	149	55
25	203	240	252	180	261	e850	430	1420	328	85	102	81
26	e205	224	229	409	302	e800	509	1170	300	78	141	71
27	e205	208	e175	435	265	e700	549	1040	e280	84	97	79
28	209	233	e150	251	264	e600	580	820	e260	83	59	75
29	216	237	124	166	---	478	741	785	e270	80	50	71
30	199	248	124	142	---	428	1030	805	e300	115	42	79
31	223	---	118	128	---	416	---	797	---	e80	39	---
TOTAL	5292	5037	6245	7924	9306	38184	15326	31891	16276	3935	2622	4709
MEAN	171	168	201	256	332	1232	511	1029	543	127	84.6	157
MAX	587	248	252	861	2390	5020	1030	1420	1030	249	254	1070
MIN	67	82	118	119	126	416	326	785	260	77	31	42
AC-FT	10500	9990	12390	15720	18460	75740	30400	63260	32280	7810	5200	9340

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-56, 1992-95, BY WATER YEAR (WY)

MEAN	75.0	121	163	211	245	374	413	416	112	65.6	130	52.4
MAX	171	202	287	519	869	1232	1312	1300	543	127	522	157
(WY)	1995	1994	1994	1993	1993	1995	1952	1993	1995	1995	1955	1995
MIN	22.8	65.2	64.5	120	88.1	69.3	38.3	6.86	.000	10.1	4.30	.000
(WY)	1951	1992	1957	1992	1951	1956	1953	1953	1951	1952	1956	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951-56, 1992-95	
ANNUAL TOTAL	52720		146747			
ANNUAL MEAN	144		402		200	
HIGHEST ANNUAL MEAN					472	1993
LOWEST ANNUAL MEAN					73.7	1956
HIGHEST DAILY MEAN	777	Feb 18	5020	Mar 12	5490	Aug 25 1955
LOWEST DAILY MEAN	13	Jul 17	31	Aug 8	.00	Apr 17 1951
ANNUAL SEVEN-DAY MINIMUM	18	Jul 1	43	Aug 5	.00	May 29 1951
ANNUAL RUNOFF (AC-FT)	104600		291100		144600	
10 PERCENT EXCEEDS	262		971		449	
50 PERCENT EXCEEDS	127		216		98	
90 PERCENT EXCEEDS	28		71		.00	

e Estimated

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,760 ft above sea level, from topographic map.

REMARKS.--Records fair except those for Jan. 10 to Mar. 16, those for discharges less than 2.0 ft3/s, and those for estimated days, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,740 ft$^3/_s$, Mar. 11, 1995, gage height, (b)10.14 ft, from rating curve extended above 230 ft$^3/_s$ on basis of slope-area measurement at gage height 9.56 ft. No flow Aug. 8, 10, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base dischargeof 50 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Dec. 25	0515	131	5.81	Feb. 14	1315	(a) 1260	9.22
Jan. 11	1915	384	7.43	Mar. 11	unknown	(a) *1740	(b) *10.14
Jan. 25	2230	85	5.92				

(a) From rating curve extended above 230 ft$^3/_s$ on basis of slope-area measurement at gage height 9.56 ft.

(b) From surveyed highwater mark near gage.

Minimum daily discharge, 0.30 ft$^3/_s$, Aug. 28-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.0	4.3	5.3	15	80	14	11	7.9	7.0	1.2	.69
2	1.9	3.4	4.3	4.7	24	88	14	11	7.7	5.2	1.3	1.1
3	1.7	4.3	4.3	4.2	26	112	14	9.9	7.7	5.8	e.60	.80
4	2.6	4.1	4.3	4.1	22	67	13	9.7	6.9	4.3	.68	.77
5	3.1	4.0	4.3	5.0	19	58	13	9.9	7.0	4.1	1.1	1.0
6	3.1	3.8	4.3	4.4	17	e150	12	11	6.6	3.8	1.3	1.0
7	3.0	3.8	4.6	4.1	16	e120	12	10	7.0	3.4	.95	1.3
8	2.7	3.8	4.9	4.1	14	e80	12	9.9	7.6	2.2	1.1	1.5
9	2.5	3.7	4.9	5.3	12	e60	11	9.5	7.5	1.6	1.1	1.6
10	2.2	3.6	4.9	32	11	e50	11	9.5	7.3	1.8	1.1	1.4
11	2.0	4.5	4.7	230	11	e600	11	9.3	5.9	2.5	e.50	1.3
12	2.1	6.1	4.3	74	10	e200	11	9.5	5.2	3.2	e.40	1.4
13	2.2	6.6	4.3	29	9.5	e150	10	9.1	4.5	2.6	.93	1.3
14	2.7	5.6	4.3	27	533	e110	9.9	7.2	5.5	2.5	1.5	1.2
15	4.6	4.7	4.3	50	195	e70	10	7.1	4.5	2.2	1.6	1.2
16	5.4	4.2	4.3	32	52	e50	9.7	7.2	4.8	1.9	1.4	.67
17	5.7	4.1	4.3	19	31	40	9.5	7.9	5.2	2.1	1.3	.54
18	4.5	4.7	4.2	14	29	31	13	7.8	5.5	2.6	1.3	.52
19	3.9	4.7	4.1	12	26	27	16	7.9	6.3	2.2	.74	1.2
20	3.7	4.1	4.0	10	27	27	15	8.2	5.4	2.2	.60	1.1
21	3.4	4.1	3.8	9.2	25	26	15	7.5	4.7	2.2	.94	.46
22	3.3	4.1	3.8	8.3	24	25	18	6.9	4.4	1.8	1.7	.82
23	3.3	4.1	3.8	7.6	25	23	23	6.9	4.2	1.4	1.4	.92
24	3.3	4.1	11	7.7	25	22	23	13	3.2	1.2	.99	.87
25	3.3	4.1	94	29	29	21	18	18	3.5	1.3	1.0	.95
26	3.3	4.4	41	50	29	20	14	18	3.3	1.1	.96	1.3
27	3.2	4.9	18	29	29	18	13	13	3.5	1.1	e.40	1.3
28	3.1	4.7	11	20	40	18	12	10	3.1	1.2	e.30	1.3
29	3.1	4.3	8.9	16	---	16	11	9.9	2.9	1.4	e.30	1.4
30	2.8	4.3	7.8	14	---	15	11	8.6	4.5	1.5	e.30	1.6
31	2.9	---	6.3	12	---	15	---	7.9	---	1.2	e.40	---
TOTAL	96.6	129.9	297.3	773.0	1325.5	2389	399.1	302.3	163.3	78.6	29.39	32.51
MEAN	3.12	4.33	9.59	24.9	47.3	77.1	13.3	9.75	5.44	2.54	.95	1.08
MAX	5.7	6.6	94	230	533	600	23	18	7.9	7.0	1.7	1.6
MIN	1.7	3.0	3.8	4.1	9.5	15	9.5	6.9	2.9	1.1	.30	.46
AC-FT	192	258	590	1530	2630	4740	792	600	324	156	58	64

CAL YR 1994	TOTAL	1595.08	MEAN	4.37	MAX	94	MIN	.00	AC-FT	3160
WTR YR 1995	TOTAL	6016.50	MEAN	16.5	MAX	600	MIN	.30	AC-FT	11930

e Estimated

GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION (REVISED).--Lat 40°43'53", long 112°12'46", in $NE^1/_4SW^1/_4NW^1/_4$ sec. 17, T. 1 S., R. 3 W., Salt Lake County, Hydrologic Unit 16020310, at State Park Saltair Beach Boat Harbor on southeast shore of lake, 17.1 mi west of Salt Lake City. (Gage temporarily located 0.4 mi to the southeast, from Apr. 13, 1984 to May 30, 1985, because of problems associated with highwater, then relocated 0.1 mi to the northeast from May 30, 1985 to Aug. 9, 1989 because of highway construction. Gage relocated to boat harbor marina on Aug. 9, 1989).

PERIOD OF RECORD.--September 1875 to December 1899, October 1902 to current year. Records for October 1902 to September 1912 and diagram showing fluctuations of lake from 1851-1950, published in WSP 1314.

REVISED RECORDS.--WSP 1314: 1877. WRD-UT-74-1: 1967-73. WDR-UT-83-1: 1981-82. WDR-UT-95-1; 1984-94.

GAGE.--Water-stage recorder at Boat Harbor since October 1938. Datum at gage since September 15, 1970 is 4,186.80 ft above sea level. October 1938 to April 15, 1967, at datum 4,186.9 ft and April 15, 1967 to September 15, 1970, at datum 4,186.85 ft. Prior to October 1938, staff gages at sites and datums as follows: September 1875 to October 1877 at Black Rock at 4,208.4 ft above sea level, November 1877 to November 1879 at Farmington Bay at 4,206.9 ft above sea level, November 1879 to April 1881 near Black Rock at 4,203.1 ft above sea level, April 1881 to December 1899 at Garfield Landing at 4,198.5 ft above sea level, October 1902 to July 1903, at Midlake on Lucin cutoff of Southern Pacific Railroad, 30 mi west of Ogden, at 4,197.9 ft above sea level, and July 1903 to October 1938 at Saltair at 4,196.9 ft above sea level.

REMARKS.--Wind effects may cause substantial changes in elevations, which are not shown in the published elevations. Specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 4,211.60 ft June 3, 1986, Apr. 1, 15, 1987; minimum, 4,191.35 ft Oct. 15, Nov. 1, 1963. Maximum elevation prior to June 3, 1986, 4,211.6 ft in 1873, computed from traditional data by G. K. Gilbert and E. C. LaRue.

Date	Temperature, water (Deg. C)	Specific Gravity (20.0%C)	Percent Salinity
Oct. 3, 1994	15.0	1.100	14.3
Jan. 7, 1995	0.0	1.106	15.2
Apr. 27	13.0	1.100	14.3
June 20	19.5	1.087	12.7
July 25	25.5	1.095	13.7
Aug. 24	26.0	1.097	14.0
Sep. 26	20.0	1.098	14.2

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	4207.8	4208.5	4209.0	4208.8	4207.9
15	4204.5	4204.7	4205.4	4206.2	4206.5	4206.9	4207.5	4208.1	4208.9	4208.8	4208.3	4207.7

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	4207.6	4207.8	4208.0	4208.4	4208.7	4208.9	4209.3	4209.7	4209.7	4209.3	4208.9	4208.4
15	4207.7	4208.0	4208.2	4208.5	4208.7	4209.1	4209.5	4209.7	4209.5	4209.2	4208.6	4208.2
21	---	---	---	---	---	---	---	4209.7	---	---	---	---

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	4211.2	4210.9	4210.6
3	---	---	---	---	---	---	---	---	4211.6	---	---	---
15	4208.2	4208.2	4208.5	4208.7	4209.1	4210.0	4210.7	4211.4	4211.2	4211.0	4210.7	4210.5
16	4208.1	---	---	---	---	---	---	---	---	---	---	---

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	4210.5	4210.7	4210.8	4211.0	4211.2	4211.4	4211.6	4211.5	4211.3	4211.0	4210.5	4209.8
15	4210.6	4210.7	4210.8	4211.1	4211.3	4211.5	4211.6	4211.4	4211.3	4210.7	4210.1	4209.6

GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

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	4209.3	4209.2	4209.2	4209.2	4209.2	4209.3	4209.2	4209.2	4208.8	4208.5	4207.8	4207.2
10	---	---	---	---	4209.3	---	---	---	---	---	---	---
15	4209.2	4209.2	4209.2	4209.2	4209.3	4209.3	4209.2	4209.0	4208.7	4208.0	4207.3	4206.8
20	---	---	4209.1	---	---	---	---	---	---	---	---	---

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	4206.6	4206.3	4206.2	4206.2	4206.2	4206.3	4206.5	4206.4	4206.2	4205.7	4205.1	4204.7
15	4206.5	4206.2	4206.2	4206.2	4206.2	4206.5	4206.5	4206.4	4206.0	4205.5	4205.0	4204.5

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	4204.4	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.4	4203.9	4203.6	4203.1	4202.6
2	4204.4	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4203.9	4203.6	4203.1	4202.6
3	4204.4	4204.1	4204.1	4204.1	4204.1	4204.2	4204.2	4204.4	4203.9	4203.7	4203.1	4202.6
4	4204.2	4204.1	4204.1	4204.1	4204.1	4204.2	4204.2	4204.2	4204.1	4203.6	4203.1	4202.6
5	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.2	4204.2	4204.1	4203.6	4203.1	4202.6
6	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.2	4204.2	4204.1	4203.6	4203.1	4202.6
7	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4204.2	4203.9	4203.6	4203.1	4202.6
8	4204.1	4204.1	4204.1	4204.1	4204.1	4204.2	4204.2	4204.4	4203.9	4203.4	4202.9	4202.6
9	4204.1	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.1	4203.9	4203.4	4202.9	4202.6
10	4204.1	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.1	4203.9	4203.6	4202.9	4202.4
11	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.4	4204.2	4203.9	4203.6	4202.9	4202.4
12	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.4	4204.1	4203.9	4203.4	4202.9	4202.4
13	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.4	4204.1	4203.9	4203.4	4202.9	4202.4
14	4204.1	4204.2	4204.1	4204.1	4204.4	4204.4	4204.2	4204.1	4203.9	4203.4	4202.9	4202.4
15	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4204.1	4203.9	4203.4	4202.9	4202.4
16	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.4	4204.1	4203.9	4203.4	4202.9	4202.4
17	4204.1	4203.9	4204.1	4204.1	4204.1	4204.4	4204.2	4204.1	4203.9	4203.4	4202.9	4202.4
18	4204.1	4204.1	4204.1	4204.2	4204.1	4204.4	4204.2	4204.1	4203.9	4203.4	4202.9	4202.4
19	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4204.1	4203.9	4203.4	4202.9	4202.4
20	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4204.1	4203.9	4203.4	4202.7	4202.4
21	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.2	4204.1	4203.9	4203.4	4202.7	4202.4
22	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.2	4204.1	4203.9	4203.2	4202.7	4202.4
23	4204.1	4204.1	4204.1	4204.2	4204.1	4204.4	4204.2	4204.1	4203.7	4203.2	4202.7	4202.4
24	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.4	4203.9	4203.7	4203.1	4202.9	4202.4
25	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.4	4204.1	4203.7	4203.2	4202.6	4202.4
26	4204.2	4204.1	4204.1	4204.2	4204.2	4204.4	4204.4	4204.1	4203.7	4203.2	4202.6	4202.2
27	4204.1	4204.1	4204.1	4204.1	4204.2	4204.4	4204.2	4204.1	4203.7	4203.1	4202.6	4202.2
28	4204.2	4204.1	4204.1	4204.1	4204.2	4204.4	4204.4	4203.9	4203.7	4203.1	4202.6	4202.4
29	4204.1	4204.1	4204.1	4204.1	---	4204.4	4204.2	4203.9	4203.7	4203.1	4202.6	4202.2
30	4204.1	4204.1	4204.1	4204.1	---	4204.4	4204.4	4203.9	4203.6	4203.1	4202.6	4202.2
31	4204.1	---	4204.1	4204.1	---	4204.4	---	4204.1	---	4203.1	4202.6	---
MEAN	4204.1	4204.1	4204.1	4204.1	4204.1	4204.4	4204.3	4204.1	4203.9	4203.4	4202.9	4202.4

WTR YR 1990 MEAN 4203.8 MAX 4204.4 MIN 4202.2

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4202.2	4202.1	4202.0	4202.0	4202.1	4202.3	4202.4	4202.4	4202.5	4202.3	4201.8	4201.3
2	4202.3	4202.2	4202.1	4202.0	4202.1	4202.4	4202.4	4202.4	4202.5	4202.3	4201.8	4201.3
3	4202.2	4202.1	4201.9	4202.0	4202.1	4202.4	4202.3	4202.4	4202.6	4202.3	4201.7	4201.3
4	4202.1	4201.9	4202.0	4202.0	4202.1	4202.3	4202.4	4202.4	4202.5	4202.3	4201.7	4201.3
5	4202.1	4202.0	4202.0	4202.0	4202.1	4202.5	4202.3	4202.4	4202.8	4202.3	4201.7	4201.2
6	4202.2	4202.0	4202.0	4202.0	4202.1	4202.4	4202.4	4202.4	4202.6	4202.3	4201.7	4201.2
7	4202.2	4202.0	4202.0	4202.0	4202.1	4202.4	4202.4	4202.4	4202.6	4202.3	4201.7	4201.3
8	4202.1	4201.9	4202.0	4202.0	4202.1	4202.4	4202.3	4202.5	4202.6	4202.2	4201.7	4201.3
9	4202.1	4201.9	4202.0	4202.0	4202.1	4202.4	4202.3	4202.5	4202.6	4202.2	4201.6	4201.3
10	4202.1	4201.9	4202.0	4202.0	4202.1	4202.4	4202.5	4202.4	4202.6	4202.2	4201.6	4201.3
11	4202.2	4201.9	4202.0	4202.0	4202.1	4202.5	4202.6	4202.5	4202.6	4202.2	4201.6	4201.3
12	4202.1	4201.9	4202.0	4202.0	4202.1	4202.4	4202.4	4202.4	4202.6	4202.2	4201.5	4201.3
13	4202.0	4201.9	4202.0	4202.0	4202.1	4202.4	4202.3	4202.4	4202.6	4202.2	4201.6	4201.3
14	4202.1	4202.0	4202.0	4202.1	4202.1	4202.4	4202.3	4202.5	4202.7	4202.1	4201.6	4201.3
15	4202.0	4202.0	4202.0	4202.1	4202.1	4202.4	4202.4	4202.5	4202.6	4202.1	4201.5	4201.2
16	4202.1	4201.9	4202.0	4202.1	4202.2	4202.4	4202.4	4202.5	4202.6	4202.1	4201.5	4201.2
17	4202.1	4201.9	4202.0	4202.1	4202.2	4202.4	4202.4	4202.5	4202.6	4202.1	4201.5	4201.2
18	4202.0	4201.9	4202.0	4202.1	4202.2	4202.4	4202.3	4202.5	4202.6	4202.1	4201.5	4201.2
19	4202.2	4201.9	4202.0	4202.2	4202.2	4202.4	4202.3	4202.5	4202.5	4202.1	4201.5	4201.2
20	4202.2	4202.0	4202.1	4202.1	4202.2	4202.4	4202.3	4202.5	4202.5	4202.1	4201.5	4201.2
21	4202.0	4201.9	4202.0	4202.1	4202.2	4202.4	4202.3	4202.5	4202.5	4202.0	4201.5	4201.2
22	4202.0	4201.9	4202.0	4202.1	4202.3	4202.4	4202.3	4202.5	4202.5	4202.0	4201.4	4201.2
23	4202.0	4201.9	4202.0	4202.1	4202.3	4202.4	4202.3	4202.5	4202.5	4202.0	4201.4	4201.2
24	4202.0	4202.0	4202.0	4202.1	4202.3	4202.4	4202.3	4202.5	4202.4	4202.0	4201.4	4201.2
25	4202.0	4201.9	4202.0	4202.1	4202.3	4202.3	4202.4	4202.5	4202.5	4202.0	4201.4	4201.2
26	4202.0	4202.2	4202.0	4202.1	4202.3	4202.4	4202.5	4202.6	4202.4	4202.0	4201.4	4201.2
27	4202.0	4202.0	4202.0	4202.1	4202.3	4202.3	4202.4	4202.5	4202.3	4201.9	4201.3	4201.1
28	4202.0	4202.0	4202.0	4202.2	4202.3	4202.4	4202.4	4202.5	4202.3	4201.9	4201.4	4201.1
29	4202.0	4201.9	4202.1	4202.2	---	4202.5	4202.4	4202.5	4202.4	4201.9	4201.3	4201.2
30	4202.0	4201.9	4202.0	4202.1	---	4202.4	4202.4	4202.5	4202.3	4201.9	4201.3	4201.1
31	4202.0	---	4202.0	4202.1	---	4202.4	---	4202.6	---	4201.8	4201.3	---
MEAN	4202.1	4202.0	4202.0	4202.1	4202.2	4202.4	4202.4	4202.5	4202.5	4202.1	4201.5	4201.2
MAX	4202.3	4202.2	4202.1	4202.2	4202.3	4202.5	4202.6	4202.6	4202.8	4202.3	4201.8	4201.3
MIN	4202.0	4201.9	4201.9	4202.0	4202.1	4202.3	4202.3	4202.4	4202.3	4201.8	4201.3	4201.1

WTR YR 1991 MEAN 4202.1 MAX 4202.8 MIN 4201.1

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4201.0	4200.9	4201.1	4201.2	4201.3	4201.7	4201.8	4201.7	4201.2	4200.8	4200.4	4199.8
2	4201.0	4201.0	4201.0	4201.2	4201.3	4201.7	4201.8	4201.6	4201.3	4200.8	4200.4	4199.8
3	4201.1	4200.9	4201.0	4201.2	4201.3	4201.7	4201.8	4201.6	4201.2	4200.8	4200.4	4199.7
4	4201.0	4200.9	4201.0	4201.2	4201.4	4201.7	4201.7	4201.5	4201.2	4200.8	4200.4	4199.8
5	4200.9	4200.9	4201.0	4201.2	4201.4	4201.7	4201.8	4201.5	4201.3	4200.7	4200.2	4199.7
6	4200.9	4200.9	4201.0	4201.2	4201.4	4201.7	4201.8	4201.5	4201.1	4200.8	4200.3	4199.8
7	4200.9	4200.9	4201.1	4201.3	4201.4	4201.7	4201.8	4201.5	4201.1	4200.7	4200.2	4199.8
8	4200.9	4200.9	4201.1	4201.3	4201.4	4201.8	4201.7	4201.5	4201.1	4200.7	4200.2	4199.7
9	4200.9	4200.9	4201.1	4201.3	4201.4	4201.7	4201.7	4201.6	4201.1	4200.7	4200.2	4199.7
10	4200.9	4201.0	4201.1	4201.3	4201.4	4201.7	4201.7	4201.5	4201.1	4200.7	4200.2	4199.6
11	4200.9	4201.0	4201.1	4201.3	4201.4	4201.7	4201.7	4201.5	4201.1	4200.7	4200.2	4199.6
12	4200.9	4201.0	4201.1	4201.3	4201.4	4201.7	4201.7	4201.5	4201.1	4200.7	4200.2	4199.7
13	4200.9	4201.0	4201.1	4201.3	4201.4	4201.7	4201.7	4201.4	4201.1	4200.7	4200.2	4199.7
14	4200.9	4201.1	4201.1	4201.3	4201.4	4201.7	4201.7	4201.5	4201.0	4200.7	4200.2	4199.6
15	4200.9	4201.0	4201.1	4201.3	4201.4	4201.7	4201.7	4201.4	4201.0	4200.7	4200.2	4199.6
16	4200.9	4201.0	4201.1	4201.3	4201.5	4201.8	4201.7	4201.4	4201.0	4200.7	4200.2	4199.6
17	4200.9	4201.0	4201.1	4201.3	4201.5	4201.8	4201.8	4201.4	4201.0	4200.7	4200.1	4199.6
18	4200.9	4201.1	4201.1	4201.3	4201.5	4201.8	4201.8	4201.4	4201.0	4200.7	4200.1	4199.6
19	4200.9	4201.0	4201.2	4201.3	4201.5	4201.8	4201.7	4201.3	4201.0	4200.6	4200.1	4199.6
20	4200.9	4201.0	4201.2	4201.3	4201.5	4201.8	4201.6	4201.3	4201.0	4200.6	4200.0	4199.6
21	4200.8	4201.1	4201.1	4201.3	4201.6	4201.8	4201.7	4201.4	4201.0	4200.7	4200.0	4199.5
22	4200.8	4201.1	4201.1	4201.3	4201.6	4201.8	4201.7	4201.4	4200.9	4200.6	4200.0	4199.5
23	4200.9	4201.0	4201.1	4201.3	4201.6	4201.8	4201.6	4201.4	4200.9	4200.6	4200.0	4199.5
24	4200.8	4201.0	4201.1	4201.3	4201.6	4201.8	4201.6	4201.3	4200.9	4200.6	4200.0	4199.5
25	4200.8	4201.0	4201.1	4201.3	4201.6	4201.8	4201.6	4201.3	4200.9	4200.5	4199.9	4199.4
26	4200.7	4201.0	4201.1	4201.3	4201.6	4201.8	4201.6	4201.4	4200.9	4200.5	4199.8	4199.4
27	4201.0	4201.1	4201.2	4201.3	4201.6	4201.8	4201.6	4201.4	4200.9	4200.5	4199.8	4199.4
28	4201.1	4201.1	4201.2	4201.3	4201.6	4201.8	4201.6	4201.3	4200.9	4200.5	4199.8	4199.4
29	4200.9	4201.2	4201.2	4201.3	4201.7	4201.8	4201.6	4201.3	4200.9	4200.5	4199.8	4199.4
30	4200.9	4201.2	4201.2	4201.3	---	4201.8	4201.6	4201.3	4200.9	4200.5	4199.8	4199.4
31	4200.9	---	4201.2	4201.3	---	4201.8	---	4201.3	---	4200.4	4199.8	---
MEAN	4200.9	4201.0	4201.1	4201.3	4201.5	4201.8	4201.7	4201.4	4201.0	4200.7	4200.1	4199.6
MAX	4201.1	4201.2	4201.2	4201.3	4201.7	4201.8	4201.8	4201.7	4201.3	4200.8	4200.4	4199.8
MIN	4200.7	4200.9	4201.0	4201.2	4201.3	4201.7	4201.6	4201.3	4200.9	4200.4	4199.8	4199.4

WTR YR 1992 MEAN 4201.0 MAX 4201.8 MIN 4199.4

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4199.3	4199.1	4199.1	4199.4	4199.7	4200.1	4200.7	4200.8	4201.2	4201.3	4200.9	4200.4
2	4199.2	4199.5	4199.2	4199.5	4199.7	4200.1	4200.8	4200.8	4201.2	4201.4	4200.9	4200.5
3	4199.3	4199.3	4199.2	4199.4	4199.7	4200.1	4200.7	4200.9	4201.2	4201.3	4200.9	4200.4
4	4199.2	4199.1	4199.2	4199.4	4199.7	4200.1	4200.7	4200.8	4201.1	4201.3	4200.9	4200.4
5	4199.2	4199.1	4199.2	4199.4	4199.7	4200.1	4200.7	4200.9	4201.1	4201.2	4200.9	4200.4
6	4199.3	4199.1	4199.1	4199.4	4199.8	4200.1	4200.9	4200.9	4201.1	4201.2	4200.8	4200.4
7	4199.2	4199.2	4199.1	4199.4	4199.8	4200.1	4200.8	4201.0	4201.2	4201.2	4200.9	4200.4
8	4199.1	4199.2	4199.2	4199.5	4199.8	4200.1	4200.7	4201.0	4201.2	4201.2	4200.8	4200.4
9	4199.2	4199.2	4199.2	4199.5	4199.8	4200.2	4200.8	4201.0	4201.2	4201.2	4200.8	4200.4
10	4199.1	4199.2	4199.2	4199.5	4199.8	4200.2	4200.8	4201.0	4201.3	4201.2	4200.8	4200.4
11	4199.1	4199.1	4199.2	4199.6	4199.8	4200.3	4200.8	4201.0	4201.4	4201.2	4200.9	4200.3
12	4199.1	4199.1	4199.4	4199.5	4199.8	4200.3	4200.8	4201.0	4201.4	4201.2	4200.9	4200.5
13	4199.1	4199.1	4199.4	4199.6	4199.9	4200.2	4200.8	4201.0	4201.3	4201.2	4200.8	4200.4
14	4199.1	4199.1	4199.2	4199.6	4199.9	4200.3	4200.7	4201.0	4201.3	4201.1	4200.8	4200.2
15	4199.1	4199.1	4199.3	4199.6	4199.9	4200.3	4200.8	4201.1	4201.4	4201.2	4200.6	4200.2
16	4199.1	4199.1	4199.2	4199.6	4199.9	4200.3	4200.8	4201.1	4201.5	4201.1	4200.8	4200.2
17	4199.1	4199.1	4199.2	4199.6	4199.9	4200.3	4200.8	4201.1	4201.4	4201.0	4200.7	4200.3
18	4199.1	4199.1	4199.3	4199.6	4199.9	4200.4	4201.1	4201.1	4201.3	4201.1	4200.7	4200.3
19	4199.1	4199.1	4199.2	4199.6	4199.9	4200.4	4200.8	4201.1	4201.3	4201.0	4200.6	4200.2
20	4199.1	4199.4	4199.2	4199.7	4200.0	4200.4	4200.8	4201.1	4201.3	4201.0	4200.6	4200.2
21	4199.1	4199.1	4199.2	4199.7	4200.0	4200.5	4200.8	4201.1	4201.3	4201.0	4200.7	4200.3
22	4199.1	4199.2	4199.2	4199.7	4200.0	4200.5	4200.8	4201.1	4201.4	4200.9	4200.6	4200.3
23	4199.1	4199.3	4199.2	4199.7	4200.0	4200.5	4200.9	4201.2	4201.4	4200.9	4200.6	4200.3
24	4199.1	4199.2	4199.3	4199.7	4200.0	4200.4	4200.8	4201.2	4201.3	4201.0	4200.7	4200.2
25	4199.1	4199.1	4199.3	4199.7	4200.1	4200.5	4200.8	4201.2	4201.3	4200.9	4200.7	4200.2
26	4199.0	4199.1	4199.3	4199.7	4200.1	4200.5	4200.9	4201.2	4201.3	4201.0	4200.6	4200.2
27	4199.1	4199.1	4199.3	4199.7	4200.1	4200.6	4200.8	4201.2	4201.3	4201.0	4200.6	4200.2
28	4199.0	4199.1	4199.3	4199.7	4200.1	4200.6	4200.8	4201.1	4201.3	4201.0	4200.5	4200.2
29	4199.1	4199.1	4199.2	4199.7	---	4200.6	4200.8	4201.2	4201.4	4200.9	4200.6	4200.2
30	4199.2	4199.1	4199.3	4199.7	---	4200.7	4200.9	4201.2	4201.3	4200.9	4200.5	4200.1
31	4199.2	---	4199.4	4199.7	---	4200.7	---	4201.2	---	4200.9	4200.5	---
MEAN	4199.1	4199.2	4199.2	4199.6	4199.9	4200.3	4200.8	4201.1	4201.3	4201.1	4200.7	4200.3
MAX	4199.3	4199.5	4199.4	4199.7	4200.1	4200.7	4201.1	4201.2	4201.5	4201.4	4200.9	4200.5
MIN	4199.0	4199.1	4199.1	4199.4	4199.7	4200.1	4200.7	4200.8	4201.1	4200.9	4200.5	4200.1

WTR YR 1993 MEAN 4200.2 MAX 4201.5 MIN 4199.0

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	4200.1	4200.2	4200.0	4200.1	4200.1	4200.3	4200.5	4200.7	4200.5	4200.0	4199.4	4198.6
2	4200.1	4200.1	4200.0	4200.0	4200.1	4200.3	4200.5	4200.7	4200.6	4199.9	4199.3	4198.6
3	4200.1	4200.1	4200.0	4200.0	4200.1	4200.3	4200.6	4200.7	4200.5	4200.0	4199.2	4198.6
4	4200.1	4200.2	4200.0	4200.1	4200.1	4200.3	4200.6	4200.7	4200.5	4199.9	4199.2	4198.6
5	4200.1	4200.1	4200.0	4200.1	4200.1	4200.3	4200.6	4200.8	4200.5	4199.9	4199.2	4198.6
6	4200.1	4200.0	4200.0	4200.2	4200.1	4200.4	4200.5	4200.8	4200.6	4199.8	4199.2	4198.5
7	4200.1	4200.0	4200.0	4200.0	4200.1	4200.4	4200.6	4200.7	4200.4	4199.8	4199.2	4198.5
8	4200.1	4200.0	4200.2	4200.1	4200.2	4200.4	4200.5	4200.7	4200.5	4199.8	e4199.1	4198.5
9	4200.1	4200.0	4200.2	4200.1	4200.2	4200.4	4200.6	4200.8	4200.4	4199.7	e4199.1	4198.5
10	4200.1	4200.1	4200.1	4200.1	4200.2	4200.4	4200.7	4200.7	4200.4	4199.8	e4199.1	4198.5
11	4200.1	4200.1	4200.4	4200.1	4200.4	4200.4	4200.6	4200.7	4200.3	4199.7	e4199.1	4198.5
12	4200.1	4200.1	4200.2	4200.1	4200.2	4200.5	4200.6	4200.8	4200.4	4199.7	e4199.1	4198.4
13	4200.1	4200.1	4200.1	4200.1	4200.2	4200.4	4200.6	4200.7	4200.3	4199.7	e4199.0	4198.4
14	4200.1	4200.2	4200.1	4200.1	4200.2	4200.4	4200.7	4200.7	4200.4	4199.7	e4199.0	4198.4
15	4200.1	4200.0	4200.1	4200.1	4200.2	4200.4	4200.6	4200.6	4200.3	4199.6	e4199.0	4198.4
16	4200.2	4200.0	4200.1	4200.1	4200.2	4200.4	4200.6	4200.7	4200.3	4199.6	e4199.0	4198.3
17	4200.2	4200.0	4200.0	4200.1	4200.1	4200.4	4200.6	4200.7	4200.2	4199.6	e4199.0	4198.3
18	4200.2	4200.1	4200.0	4200.1	4200.2	4200.4	4200.6	4200.7	4200.2	4199.6	e4199.0	4198.3
19	4200.2	4200.0	4200.0	4200.1	4200.2	4200.4	4200.6	4200.7	4200.2	4199.6	e4198.9	4198.3
20	4200.2	4200.0	4200.0	4200.1	4200.2	4200.4	4200.6	4200.6	4200.1	4199.6	e4198.8	4198.3
21	4200.2	4200.0	4200.1	4200.1	4200.2	4200.4	4200.6	4200.6	4200.1	4199.5	e4198.7	4198.3
22	4200.2	4200.0	4200.0	4200.1	4200.3	4200.6	4200.6	4200.6	4200.1	4199.5	e4198.7	4198.3
23	4200.2	4200.1	4200.1	4200.1	4200.2	4200.5	4200.6	4200.6	4200.1	4199.5	4198.9	4198.3
24	4200.2	4200.1	4200.0	4200.1	4200.2	4200.5	4200.5	4200.6	4200.1	4199.4	4198.8	4198.3
25	4200.2	4200.0	4200.0	4200.2	4200.2	4200.5	4200.6	4200.6	4200.1	4199.4	4198.8	4198.3
26	4200.3	4200.0	4200.0	4200.2	4200.3	4200.6	4200.6	4200.5	4200.2	4199.4	4198.8	4198.2
27	4200.2	4200.0	4200.0	4200.2	4200.3	4200.6	4200.6	4200.6	4200.1	4199.4	4198.8	4198.1
28	4200.2	4200.0	4200.0	4200.2	4200.3	4200.5	4200.7	4200.5	4200.0	4199.4	4198.8	4198.1
29	4200.3	4200.0	4200.0	4200.2	---	4200.6	4200.7	4200.5	4200.0	4199.4	4198.7	4198.1
30	4200.1	4200.0	4200.0	4200.3	---	4200.6	4200.7	4200.5	4200.0	4199.3	4198.7	4198.1
31	4200.1	---	4200.0	4200.2	---	4200.5	---	4200.5	---	4199.3	4198.7	---
MEAN	4200.2	4200.1	4200.1	4200.1	4200.2	4200.4	4200.6	4200.7	4200.3	4199.6	4199.0	4198.4
MAX	4200.3	4200.2	4200.4	4200.3	4200.4	4200.6	4200.7	4200.8	4200.6	4200.0	4199.4	4198.6
MIN	4200.1	4200.0	4200.0	4200.0	4200.1	4200.3	4200.5	4200.5	4200.0	4199.3	4198.7	4198.1

WTR YR 1994 MEAN 4200.0 MAX 4200.8 MIN 4198.1

e Estimated

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4198.0	4198.0	4198.2	4198.4	4198.9	4199.1	4199.4	4199.6	4200.3	4200.6	4200.1	4199.4
2	4198.0	4198.1	4198.2	4198.4	4198.9	4199.1	4199.5	4199.7	4200.3	4200.6	4200.1	4199.4
3	4198.0	4198.1	4198.2	4198.4	4198.9	4199.1	4199.5	4199.7	4200.3	4200.6	4200.0	4199.4
4	4198.0	4198.0	4198.2	4198.4	4198.9	4199.1	4199.5	4199.7	4200.3	4200.6	4200.0	4199.5
5	4198.0	4198.0	4198.2	4198.4	4198.9	4199.2	4199.5	4199.7	4200.5	4200.5	4200.0	4199.4
6	4198.0	4198.0	4198.2	4198.4	4198.9	4199.2	4199.5	4199.6	4200.4	4200.5	4200.0	4199.4
7	4198.0	4198.0	4198.3	4198.4	4198.9	4199.1	4199.5	4199.8	4200.5	4200.5	4200.0	4199.4
8	4198.0	4198.0	4198.3	4198.5	4198.9	4199.1	4199.6	4199.8	4200.4	4200.5	4200.0	4199.4
9	4198.0	4198.0	4198.2	4198.5	4198.9	4199.1	4199.7	4199.8	4200.5	4200.5	4199.9	4199.3
10	4198.0	4198.0	4198.3	4198.4	4199.0	4198.9	4199.6	4199.9	4200.5	4200.4	4199.8	4199.3
11	4197.9	4198.0	4198.3	4198.5	4199.0	4199.0	4199.5	4199.9	4200.5	4200.4	4199.9	4199.3
12	4198.0	4198.1	4198.3	4198.5	4199.0	4199.1	4199.5	4200.0	4200.5	4200.4	4199.8	4199.2
13	4198.0	4198.2	4198.3	4198.5	4198.9	4199.1	4199.3	4199.9	4200.6	4200.5	4199.9	4199.2
14	4198.0	4198.1	4198.3	4198.5	4199.1	4199.2	4199.6	4199.9	4200.5	4200.4	4199.8	4199.2
15	4198.2	4198.1	4198.3	4198.6	4199.0	4199.3	4199.5	4200.0	4200.5	4200.4	4199.8	4199.2
16	4198.1	4198.1	4198.3	4198.6	4199.0	4199.3	4199.5	4200.0	4200.5	4200.4	4199.6	4199.2
17	4198.0	4198.1	4198.3	4198.7	4199.0	4199.2	4199.5	4200.0	4200.5	4200.4	4199.7	4199.2
18	4198.0	4198.3	4198.3	4198.6	4199.0	4199.3	4199.5	4200.0	4200.5	4200.3	4199.8	4199.2
19	4198.0	4198.2	4198.3	4198.7	4199.1	4199.3	4199.5	4200.0	4200.7	4200.3	4199.7	4199.1
20	4198.0	4198.1	4198.3	4198.7	4199.1	4199.2	4199.5	4200.0	4200.8	4200.4	4199.6	4199.3
21	4198.0	4198.1	4198.4	4198.7	4199.1	4199.3	4199.7	4200.0	4200.6	4200.3	4199.6	4199.2
22	4198.0	4198.1	4198.4	4198.7	4199.1	4199.2	4199.6	4200.1	4200.5	4200.3	4199.6	4199.1
23	4198.0	4198.1	4198.4	4198.7	4199.1	4199.3	4199.5	4200.0	4200.6	4200.3	4199.6	4199.1
24	4198.0	4198.1	4198.4	4198.7	4199.1	4199.4	4199.5	4200.0	4200.6	4200.3	4199.6	4199.0
25	4198.0	4198.2	4198.4	4198.8	4199.1	4199.4	4199.5	4200.1	4200.6	4200.3	4199.6	4199.0
26	4198.0	4198.2	4198.4	4198.8	4199.1	4199.4	4199.5	4200.2	4200.6	4200.2	4199.5	4199.0
27	4198.0	4198.1	4198.4	4198.8	4199.1	4199.4	4199.6	4200.2	4200.6	4200.2	4199.6	4199.0
28	4198.1	4198.2	4198.4	4198.8	4199.1	4199.4	4199.6	4200.2	4200.6	4200.2	4199.5	4199.1
29	4198.0	4198.1	4198.4	4198.8	---	4199.5	4199.6	4200.3	4200.7	4200.2	4199.5	4199.2
30	4198.0	4198.2	4198.5	4198.8	---	4199.4	4199.7	4200.2	4200.6	4200.2	4199.5	4199.1
31	4198.0	---	4198.5	4198.8	---	4199.4	---	4200.2	---	4200.1	4199.5	---
MEAN	4198.0	4198.1	4198.3	4198.6	4199.0	4199.2	4199.5	4200.0	4200.5	4200.4	4199.8	4199.2
MAX	4198.2	4198.3	4198.5	4198.8	4199.1	4199.5	4199.7	4200.3	4200.8	4200.6	4200.1	4199.5
MIN	4197.9	4198.0	4198.2	4198.4	4198.9	4198.9	4199.3	4199.6	4200.3	4200.1	4199.5	4199.0

WTR YR 1995 MEAN 4199.2 MAX 4200.8 MIN 4197.9

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'09", long 112°29'40", in SE$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 14, T. 6 N., R. 6 W., Box Elder County, Hydrologic Unit 16020310, 3.4 mi northwest of Saline at the Little Valley boat harbor, 30 mi west of Ogden and 27 mi south of Promontory.

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

REVISED RECORDS.--WDR UT-75-1: 1966-75. WDR UT-83-1: 1966-82, gage datum.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage, 4,189.80 ft above sea level.

REMARKS.--Wind effects may cause substantial changes in elevations, which are not shown in the published elevations. Samples for specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,210.95 ft Apr. 7-29, 1987; minimum, 4,192.65 ft Oct. 15, Nov. 1, 1966.

Date	Temperature, water (Deg. C)	Specific Gravity (20.0°C)	Percent Salinity
Oct. 3, 1994	19.0	1.209	27.4
Jan. 10, 1995	4.5	1.208	27.3
Apr. 26	15.0	1.209	27.4
June 20	21.0	1.207	27.2
July 25	26.5	1.202	26.7
Sep. 26	21.0	1.214	28.0

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	4196.4	4196.4	4196.5	4196.6	4196.9	4197.1	4197.2	4197.2	4197.6	4197.8	4197.6	4197.1
2	4196.5	4196.4	4196.5	4196.6	4196.9	4197.1	4197.3	4197.3	4197.6	4197.8	4197.6	4197.1
3	4196.5	4196.5	4196.5	4196.6	4196.9	4197.0	4197.2	4197.3	4197.6	4198.0	4197.6	4197.2
4	4196.4	4196.3	4196.4	4196.6	4196.9	4197.2	4197.2	4197.2	4197.6	4197.8	4197.6	4197.3
5	4196.5	4196.3	4196.5	4196.6	4196.9	4197.2	4197.2	4197.2	4197.7	4197.7	4197.6	4197.2
6	4196.5	4196.3	4196.5	4196.6	4196.9	4197.1	4197.2	4197.2	4197.8	4197.7	4197.6	4197.3
7	4196.5	4196.4	4196.5	4196.6	4196.9	4197.0	4197.3	4197.3	4197.7	4197.8	4197.6	4197.2
8	4196.5	4196.4	4196.5	4196.6	4197.0	4197.0	4197.4	4197.3	4197.8	4197.7	4197.7	4197.3
9	4196.4	4196.3	4196.5	4196.6	4197.0	4197.0	4197.5	4197.3	4197.8	4197.7	4197.5	4197.2
10	4196.4	4196.3	4196.5	4196.5	4197.1	4196.9	4197.3	4197.4	4197.8	4197.7	4197.4	4197.2
11	4196.5	4196.3	4196.5	4196.6	4197.0	4197.0	4197.2	4197.4	4197.8	4197.6	4197.6	4197.2
12	4196.4	4196.4	4196.5	4196.6	4197.0	4197.2	4197.2	4197.4	4197.8	4197.7	4197.5	4197.1
13	4196.5	4196.5	4196.5	4196.6	4197.0	4197.1	4197.2	4197.4	4197.8	4197.8	4197.5	4197.1
14	4196.5	4196.4	4196.5	4196.7	4197.2	4197.1	4197.3	4197.3	4197.8	4197.8	4197.5	4197.1
15	4196.6	4196.4	4196.5	4196.7	4197.0	4197.2	4197.2	4197.4	4197.8	4197.7	4197.4	4197.1
16	4196.6	4196.5	4196.5	4196.7	4197.0	4197.2	4197.2	4197.5	4197.9	4197.7	4197.3	4197.1
17	4196.4	4196.4	4196.5	4196.8	4197.0	4197.2	4197.3	4197.5	4197.8	4197.7	4197.5	4197.1
18	4196.4	4196.7	4196.5	4196.8	4197.0	4197.2	4197.2	4197.4	4197.7	4197.7	4197.4	4197.1
19	4196.4	4196.5	4196.6	4196.7	4197.0	4197.2	4197.3	4197.4	4197.9	4197.7	4197.4	4197.1
20	4196.4	4196.4	4196.5	4196.8	4197.0	4197.1	4197.3	4197.4	4198.0	4197.7	4197.3	4197.2
21	4196.4	4196.4	4196.6	4196.8	4197.1	4197.3	4197.4	4197.4	4197.9	4197.7	4197.3	4197.1
22	4196.4	4196.4	4196.6	4196.8	4197.1	4197.2	4197.3	4197.5	4197.8	4197.7	4197.3	4197.0
23	4196.4	4196.4	4196.6	4196.8	4197.1	4197.2	4197.3	4197.4	4197.8	4197.7	4197.3	4197.0
24	4196.4	4196.4	4196.6	4196.8	4197.1	4197.3	4197.2	4197.4	4197.8	4197.6	4197.2	4197.0
25	4196.4	4196.4	4196.6	4196.8	4197.1	4197.4	4197.3	4197.5	4197.8	4197.7	4197.2	4197.0
26	4196.4	4196.5	4196.6	4196.8	4197.1	4197.4	4197.2	4197.6	4197.8	4197.7	4197.2	4196.9
27	4196.4	4196.5	4196.6	4196.9	4197.1	4197.2	4197.2	4197.6	4197.8	4197.7	4197.2	4197.0
28	4196.5	4196.7	4196.6	4196.8	4197.1	4197.2	4197.2	4197.6	4197.9	4197.7	4197.2	4197.0
29	4196.4	4196.5	4196.7	4196.8	---	4197.3	4197.2	4197.6	4197.9	4197.7	4197.2	4197.0
30	4196.4	4196.5	4196.7	4196.8	---	4197.2	4197.3	4197.6	4197.8	4197.7	4197.2	4196.9
31	4196.4	---	4196.6	4196.8	---	4197.2	---	4197.6	---	4197.6	4197.2	---
MEAN	4196.4	4196.4	4196.5	4196.7	4197.0	4197.2	4197.3	4197.4	4197.8	4197.7	4197.4	4197.1
MAX	4196.6	4196.7	4196.7	4196.9	4197.2	4197.4	4197.5	4197.6	4198.0	4198.0	4197.7	4197.3
MIN	4196.4	4196.3	4196.4	4196.5	4196.9	4196.9	4197.2	4197.2	4197.6	4197.6	4197.2	4196.9

WTR YR 1995 MEAN 4197.1 MAX 4198.0 MIN 4196.3

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 30, T. 3 N., R. 10 E., Summit County, Utah Hydrologic Unit 16010101, on left bank 400 ft downstream from West Fork and 2.8 mi upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi^2.

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder Elevation of gage is 7,965 ft above sea level, from river-profile map. Prior to Oct. 1, 1986 at datum 3.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated slightly by Whitney Reservoir, total capacity, 4,700 acre-ft since 1966. Three diversions above station for irrigation of about 265 acres above and 2,600 acres below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,230 ft^3/s June 6, 1986, gage height, 4.05 ft; maximum gage height, 4.28 ft June 19, 1983, datum then in use; minimum, 6.8 ft^3/s 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)
June 6	0100	1,800	6.47	June 15	2400	*2,560	*7.06

Minimum daily discharge, 33 ft^3/s, Feb. 16, 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	72	54	e49	e53	46	50	99	740	1540	343	85
2	60	67	55	e55	e42	44	53	126	1090	1540	311	90
3	76	58	52	e50	41	43	54	111	1100	1940	292	83
4	85	48	51	e56	45	44	59	116	983	1540	277	94
5	105	74	51	e62	44	44	71	130	1180	1360	258	136
6	94	69	51	e64	44	44	76	122	1570	1490	245	115
7	83	68	50	e65	44	47	79	123	1110	1660	232	108
8	78	63	e58	e64	42	50	86	129	951	1700	225	112
9	74	55	e45	e74	41	46	71	145	722	1550	217	187
10	72	61	e45	e74	41	46	70	187	632	1640	212	184
11	72	59	e50	e66	41	59	67	221	772	1690	236	179
12	72	62	e61	e62	43	57	71	209	1310	1770	219	175
13	70	54	e54	e65	46	53	90	179	1820	1630	208	172
14	69	47	e52	e68	41	57	100	206	2060	1400	190	168
15	78	57	e54	e62	e34	62	83	285	2160	1200	169	163
16	81	61	e60	e59	e33	64	76	336	1980	1060	156	159
17	87	59	e62	e59	e33	65	77	319	1570	999	156	116
18	86	e60	e50	e56	38	68	71	370	1460	966	142	76
19	77	e54	e59	e55	40	71	74	413	1460	989	134	74
20	78	e58	e53	e50	40	65	70	511	1650	849	127	70
21	80	62	e48	e53	43	67	67	585	1680	744	160	69
22	79	e58	e53	e50	45	60	67	685	1620	674	158	68
23	75	e52	e62	e45	45	59	68	766	1550	615	144	67
24	72	e54	e68	e47	46	57	64	597	1590	560	153	63
25	74	56	e71	e54	45	49	71	561	1690	526	130	48
26	74	56	e74	e49	46	55	72	538	1730	495	118	47
27	76	61	e60	e46	44	52	83	474	1900	470	110	48
28	71	59	e66	e43	43	47	104	456	1930	437	104	46
29	65	58	e71	e40	---	45	102	488	1760	419	99	53
30	54	55	e62	e44	---	50	107	536	1600	408	92	56
31	55	---	e55	e48	---	44	---	582	---	384	88	---
TOTAL	2333	1777	1757	1734	1183	1660	2253	10605	43370	34245	5705	3111
MEAN	75.3	59.2	56.7	55.9	42.2	53.5	75.1	342	1446	1105	184	104
MAX	105	74	74	74	53	71	107	766	2160	1940	343	187
MIN	54	47	45	40	33	43	50	99	632	384	88	46
AC-FT	4630	3520	3490	3440	2350	3290	4470	21040	86020	67920	11320	6170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	62.5	54.1	46.6	41.9	40.0	43.1	112	592	864	306	95.1	72.2
MAX	208	106	94.9	72.4	64.3	69.0	316	1044	1990	1105	244	229
(WY)	1983	1984	1984	1984	1984	1986	1946	1984	1986	1995	1965	1983
MIN	30.8	32.5	27.7	29.6	25.3	26.0	37.2	162	204	67.4	37.5	23.9
(WY)	1959	1955	1960	1991	1964	1964	1944	1977	1992	1961	1954	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	49608		109733			
ANNUAL MEAN	136		301		194	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	968	May 16	2160	Jun 15	2680	Jun 4 1986
LOWEST DAILY MEAN	22	Feb 24	33	Feb 16	18	Jan 3 1960
ANNUAL SEVEN-DAY MINIMUM	29	Feb 21	37	Feb 14	21	Dec 28 1959
ANNUAL RUNOFF (AC-FT)	98400		217700		140800	
10 PERCENT EXCEEDS	385		1140		610	
50 PERCENT EXCEEDS	58		72		58	
90 PERCENT EXCEEDS	39		45		33	

e Estimated

10015700 SULPHUR CREEK ABOVE RESERVOIR, BELOW LA CHAPELLE CREEK, NEAR EVANSTON, WY

LOCATION.--Lat 41°07'45", long 110°48'21", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 2, T. 13 N., R. 119 W., Uinta County, Hydrologic Unit 16010101, on right bank 0.2 mi downstream from La Chapelle Creek, 3.3 mi upstream from Sulphur Creek Dam, and 12.8 mi southeast of Evanston.

DRAINAGE AREA.--64.2 mi^2.

PERIOD OF RECORD.--October 1957 to current year. Monthly discharge only for October and November 1957, published in WSP 1734. October 1957 to October 1987 not equivalent because of inflow between sites. October 1987 to October 1989 at present site at different datum.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,240 ft above sea level, from topographic map. Prior to October 7, 1987 at site 1.3 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Several diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,400 ft$^3/_s$ June 1, 1983, gage height, 9.10 ft, from rating curve extended above 1,200 ft$^3/_s$ on basis of slope-area measurement of peak flow. Flood was result of released water from temporary blockage of upstream road culverts; no flow at times some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 175 ft$^3/_s$ June 6, gage height, 7.01 ft; minimum daily, 0.21 ft$^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	2.6	4.5	10	9.2	23	15	18	80	20	14	.39
2	.21	2.7	4.7	8.1	18	21	15	48	97	23	16	.42
3	.49	2.5	4.8	8.4	17	17	14	43	92	51	14	.39
4	.87	3.3	5.0	9.5	25	20	15	27	90	42	12	.32
5	1.0	4.6	4.9	e9.7	32	19	15	23	91	25	13	e.35
6	1.1	6.3	5.0	e10	33	26	16	21	113	22	9.0	e.33
7	1.0	7.5	5.6	e10	25	38	15	17	56	20	4.6	e.34
8	.62	6.0	5.6	e10.8	24	35	18	13	70	18	3.1	e.36
9	.41	4.6	5.4	e9.8	20	27	16	14	61	22	2.4	e.37
10	.32	5.0	5.0	e9.0	12	21	15	18	52	23	2.7	e.37
11	.27	4.4	5.0	e9.2	8.9	30	12	26	56	25	2.3	e.35
12	.26	4.5	5.0	e9.8	8.9	82	13	29	79	32	1.8	e.34
13	.26	3.8	5.0	e10	11	67	11	26	78	34	1.5	e.33
14	.27	3.6	5.1	e9.8	12	72	12	24	69	26	1.3	e.35
15	.67	3.6	5.6	e9.0	14	92	11	21	65	19	1.5	e.37
16	1.3	3.9	6.2	e9.4	e12	71	12	34	55	13	1.6	e.39
17	2.3	3.5	6.2	e10	e10	64	15	26	39	9.3	1.3	e.40
18	4.0	4.4	7.0	10	13	63	14	37	51	11	1.2	e.41
19	4.2	5.3	6.7	9.8	15	80	17	44	42	26	1.3	e.41
20	3.9	e4.5	7.0	10	20	49	24	62	39	33	1.2	e.40
21	3.6	e4.1	8.6	10	26	37	26	70	35	21	1.2	e.39
22	3.6	e4.7	9.2	9.8	31	27	24	68	30	15	1.5	e.38
23	3.9	e4.3	9.6	9.3	35	32	21	110	24	17	1.4	e.37
24	3.7	3.9	e9.5	8.8	39	23	15	87	29	16	1.3	e.35
25	3.5	4.0	e9.4	8.9	40	22	12	68	31	10	1.0	e.34
26	3.4	4.1	e9.7	9.2	39	24	12	79	28	6.9	1.0	e.35
27	3.3	4.1	e10	e8.7	34	21	12	74	26	10	.68	e.37
28	3.1	4.1	e11	e8.4	38	18	15	65	30	14	.54	e.60
29	2.6	4.1	e9.9	e8.2	---	17	15	58	30	12	.47	e1.2
30	2.0	4.4	e9.4	e8.6	---	16	21	60	22	11	.50	e1.8
31	2.3	---	e9.8	e8.8	---	15	---	70	---	13	.48	---
TOTAL	58.67	128.4	215.4	291.0	622.0	1169	468	1380	1660	640.2	115.87	13.54
MEAN	1.89	4.28	6.95	9.39	22.2	37.7	15.6	44.5	55.3	20.7	3.74	.45
MAX	4.2	7.5	11	11	40	92	26	110	113	51	16	1.8
MIN	.21	2.5	4.5	8.1	8.9	15	11	13	22	6.9	.47	.32
AC-FT	116	255	427	577	1230	2320	928	2740	3290	1270	230	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

MEAN	1.87	3.74	3.91	4.06	5.78	24.2	34.2	48.4	23.7	6.23	1.88	.55
MAX	6.77	11.8	6.95	9.39	22.2	52.7	64.6	154	55.3	20.7	6.03	2.12
(WY)	1992	1992	1995	1995	1995	1989	1988	1993	1995	1995	1991	1991
MIN	.18	.59	1.17	1.11	1.18	2.80	15.6	11.4	3.18	.18	.017	.000
(WY)	1991	1991	1991	1991	1991	1991	1995	1992	1994	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1988 - 1995	
ANNUAL TOTAL	3366.28		6762.08			
ANNUAL MEAN	9.22		18.5		13.2	
HIGHEST ANNUAL MEAN					25.1	1993
LOWEST ANNUAL MEAN					7.09	1990
HIGHEST DAILY MEAN	53	Mar 16	113	Jun 6	394	May 22 1993
LOWEST DAILY MEAN	.00	Aug 23	.21	Oct 2	.00	Jul 15 1988
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 23	.34	Oct 8	.00	Jul 15 1988
ANNUAL RUNOFF (AC-FT)	6680		13410		9590	
10 PERCENT EXCEEDS	25		51		39	
50 PERCENT EXCEEDS	5.0		10		3.5	
90 PERCENT EXCEEDS	.06		.48		.12	

e Estimated

10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE1/4 NW1/4 NW1/4 sec.21, T.15 N., R.120 W., Uinta County, Hydrologic Unit 16010101, on left bank 100 ft downstream from bridge on State Highway 89, in the City of Evanston.

DRAINAGE AREA.--433 mi^2.

PERIOD OF RECORD.--May 1984 to current year (no winter records).

GAGE.--Water-stage recorder. Elevation of gage is 6,730 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas. Results of discharge measurements, in cubic feet per second, made during the period when the station was not in operation are given below:

Oct. 3 . . . 40.4
Mar. 29 . . . 128.0

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	117	176	1020	1430	219	41
2	---	---	---	---	---	---	123	248	1290	1470	174	42
3	---	---	---	---	---	---	116	320	1510	1720	162	46
4	---	---	---	---	---	---	110	267	1470	2010	147	49
5	---	---	---	---	---	---	122	260	1440	1380	134	62
6	---	---	---	---	---	---	135	261	1930	1290	133	60
7	---	---	---	---	---	---	130	240	1580	1440	120	59
8	---	---	---	---	---	---	145	241	1390	1480	101	59
9	---	---	---	---	---	---	132	243	1130	1290	95	56
10	---	---	---	---	---	---	118	288	973	1350	101	56
11	---	---	---	---	---	---	112	350	938	1400	120	60
12	---	---	---	---	---	---	113	395	1240	1500	117	62
13	---	---	---	---	---	---	118	345	1700	1500	105	63
14	---	---	---	---	---	---	149	338	2140	1230	99	60
15	---	---	---	---	---	---	139	377	2380	1050	90	59
16	---	---	---	---	---	---	124	500	2380	918	81	56
17	---	---	---	---	---	---	132	424	1740	835	81	73
18	---	---	---	---	---	---	131	484	1600	745	67	76
19	---	---	---	---	---	---	134	545	1490	819	58	60
20	---	---	---	---	---	---	151	624	1610	796	52	46
21	---	---	---	---	---	---	161	755	1690	716	51	43
22	---	---	---	---	---	---	147	887	1610	647	80	41
23	---	---	---	---	---	---	136	1060	1470	598	80	41
24	---	---	---	---	---	---	133	949	1420	534	77	35
25	---	---	---	---	---	---	123	896	1540	464	76	32
26	---	---	---	---	---	---	126	876	1550	405	65	29
27	---	---	---	---	---	---	128	852	1740	334	59	27
28	---	---	---	---	---	---	151	749	1780	284	54	25
29	---	---	---	---	---	---	162	748	1750	257	49	44
30	---	---	---	---	---	---	178	809	1510	241	44	57
31	---	---	---	---	---	---	---	860	---	232	42	---
TOTAL	---	---	---	---	---	---	3996	16367	47011	30365	2933	1519
MEAN	---	---	---	---	---	---	133	528	1567	980	94.6	50.6
MAX	---	---	---	---	---	---	178	1060	2380	2010	219	76
MIN	---	---	---	---	---	---	110	176	938	232	42	25
AC-FT	---	---	---	---	---	---	7930	32460	93250	60230	5820	3010
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)												
MEAN	---	---	---	---	---	---	313	721	782	222	70.3	59.6
MAX	---	---	---	---	---	---	602	1291	1890	980	181	225
(WY)	---	---	---	---	---	---	1985	1986	1986	1995	1984	1984
MIN	---	---	---	---	---	---	133	330	121	40.0	16.4	11.8
(WY)	---	---	---	---	---	---	1995	1990	1992	1994	1988	1988

SUMMARY STATISTICS	FOR 1995 WATER YEAR*		WATER YEARS 1984 - 1995*	
HIGHEST DAILY MEAN	2380	Jun 15, 16	3160	May 16 1984
LOWEST DAILY MEAN	25	Sep 28	3.8	Sep 30 1992
ANNUAL SEVEN-DAY MINIMUM	--		5.3	Aug 18 1988
INSTANTANEOUS PEAK FLOW	2770	Jun 15	3680	May 16 1984
INSTANTANEOUS PEAK STAGE	6.40	Jun 15	7.35	May 16 1984
10 PERCENT EXCEEDS	1530		995	
50 PERCENT EXCEEDS	219		155	
90 PERCENT EXCEEDS	51		23	

* During period of operation.

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in $NE^1/_4NW^1/_4NW^1/_4$ sec. 29, T. 17 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi upstream from Woodruff Narrows Dam and 10 mi southeast of Woodruff.

DRAINAGE AREA.--752 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,455 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,150 $ft^3/_s$ June 2, 1983, gage height, 6.17 ft; minimum, no flow several days during August and September 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,130 $ft^3/_s$ June 16, gage height, 5.43 ft; minimum daily discharge, 0.50 $ft^3/_s$ Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	9.8	e28	e50	e56	e123	125	114	715	1770	217	11
2	.77	13	e30	e54	e60	e128	80	114	993	1740	199	11
3	7.3	17	e31	e50	e64	e130	83	216	1380	1790	168	12
4	20	11	e34	e57	e66	e131	73	173	1460	2570	154	17
5	44	10	e39	e63	e72	e134	73	155	1390	1980	142	21
6	77	14	e44	e64	e66	e142	83	169	1650	1530	132	28
7	77	23	e49	e65	e67	e158	88	148	1830	1610	124	32
8	60	30	e55	e67	e70	e170	90	141	1570	1620	111	33
9	53	22	e46	e74	e73	e150	104	142	1640	1700	97	26
10	44	16	e44	e70	e75	e170	80	149	1300	1540	90	24
11	36	14	e51	e63	e78	e190	77	198	1190	1670	94	28
12	39	18	e57	e62	e80	e180	71	251	1450	1750	108	30
13	41	24	e53	e66	e84	e190	71	250	1970	1910	109	31
14	43	19	e54	e66	e87	e197	80	211	2540	1700	101	30
15	54	10	e55	e61	e94	e201	102	230	2860	1340	93	28
16	54	11	e57	e58	e88	e211	86	284	3060	1220	85	26
17	59	9.7	e60	e57	e86	e220	80	306	2980	1070	75	19
18	74	13	e50	e56	e87	e243	88	282	2330	910	64	28
19	31	12	e56	e55	e89	e270	84	361	2020	940	53	56
20	19	13	e50	e51	e90	e300	98	399	1970	1020	44	44
21	15	14	e49	e52	e92	316	103	527	2080	926	39	50
22	15	9.7	e54	e48	e94	297	96	640	2090	819	37	45
23	16	14	e64	e47	e97	261	89	819	1900	712	48	42
24	13	e15	e68	e50	e100	263	86	938	1720	633	57	42
25	12	e17	e71	e54	e108	223	75	833	1790	544	58	43
26	12	e20	e65	e50	e112	207	79	766	1900	465	51	41
27	13	e22	e62	e50	e118	211	79	790	1930	384	44	25
28	13	e21	e68	e48	e120	192	83	675	2180	318	41	14
29	12	e24	e66	e47	---	179	102	612	2310	272	34	21
30	11	e26	e58	e51	---	169	100	613	2010	241	33	35
31	9.5	---	e53	e54	---	168	---	630	---	224	17	---
TOTAL	975.07	492.2	1621	1760	2373	6124	2608	12136	56208	36918	2719	893
MEAN	31.5	16.4	52.3	56.8	84.7	198	86.9	391	1874	1191	87.7	29.8
MAX	77	30	71	74	120	316	125	938	3060	2570	217	56
MIN	.50	9.7	28	47	56	123	71	114	715	224	17	11
AC-FT	1930	976	3220	3490	4710	12150	5170	24070	111500	73230	5390	1770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

MEAN	75.6	70.6	70.4	67.2	84.1	162	341	813	876	209	52.0	51.5
MAX	437	198	181	147	312	627	671	1957	2564	1191	340	288
(WY)	1983	1974	1984	1984	1986	1986	1969	1984	1986	1995	1983	1983
MIN	3.03	6.06	7.21	6.76	13.8	26.8	77.7	104	54.6	4.84	2.26	.49
(WY)	1965	1989	1989	1989	1993	1977	1977	1977	1992	1988	1988	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1962 - 1995		
ANNUAL TOTAL	39179.50		124827.27				
ANNUAL MEAN	107		342		239		
HIGHEST ANNUAL MEAN					583		1986
LOWEST ANNUAL MEAN					45.1		1977
HIGHEST DAILY MEAN	1030	May 14	3060	Jun 16	3900	Jun 2	1983
LOWEST DAILY MEAN	.24	Sep 14	.50	Oct 1	.00	Aug 23	1988
ANNUAL SEVEN-DAY MINIMUM	.28	Sep 9	11	Oct 26	.00	Aug 30	1988
ANNUAL RUNOFF (AC-FT)	77710		247600		173500		
10 PERCENT EXCEEDS	287		1490		702		
50 PERCENT EXCEEDS	50		77		82		

e Estimated

10020200 WOODRUFF NARROWS RESERVOIR NEAR WOODRUFF, UT

LOCATION.--Lat 41o30'10", long 111o00'55", in SE1/4NW1/4NW1/4 sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, in gate house at Woodruff Narrows Dam on Bear River, 5.6 mi upstream from Wyoming- Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi2.

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,405 ft above sea level, from levels by Bureau of Reclamation.

REMARKS.--Records fair. Reservoir formed by earthfill, rock-faced dam. Storage began Jan. 5, 1962. Total capacity, 28,000 acre-ft below spillway crest. Total capacity increased to 57,300 in 1980. Elevation of spillway is 6,454.50 ft; gage height, 50.4 ft. Figures given herein represent total contents.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 64,310 acre-ft June 2, 1983, gage height, 53.5 ft; minimum observed, 880 acre-ft Sept. 15-25, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 60,600 acre-ft July 16-19, gage height, unknown; minimum contents, 7,500 acre-ft Oct. 1, gage height, 17.5 ft.

CAPACITY TABLE (GAGE-HEIGHT, IN FEET, AND TOTAL CONTENTS, IN ACRE-FEET)

17.0	7,090	35.0	27,620
18.0	7,900	40.0	36,160
20.0	9,520	45.0	45,660
25.0	14,390	50.0	56,400
30.0	20,280	52.0	60,920

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7500	8600	9280	e11400	e13600	e16800	28880	24670	e25300	48880	59380	53670
2	7650	8570	9230	e11500	e13600	e17000	28530	24680	e25800	49720	59380	53420
3	7700	8550	9320	e11500	e13700	e17200	28720	24710	e26200	50510	59250	53090
4	7740	8550	9450	e11600	e13800	e17400	28580	24780	e26700	51400	59150	52700
5	7710	8560	9540	e11700	e13900	e17600	28320	25160	e27200	52270	59180	52330
6	7790	8560	9620	e11800	e14000	e17800	28110	25740	28160	53150	59040	51930
7	7900	8570	9730	e11900	e14100	e18100	28010	25600	28370	54040	58900	51180
8	8000	8590	9750	e12000	e14200	e18400	27820	25100	28660	54980	58180	51320
9	8080	8620	9840	e12100	e14300	e18600	27650	24860	29750	55790	56280	50720
10	8120	8640	9880	e12200	e14400	e18900	27510	24930	30580	56650	56140	49700
11	8150	8650	9900	e12200	e14500	e19400	27130	24980	30870	57580	56150	49120
12	8180	8670	9960	e12300	e14600	e20000	e26600	25100	31180	58430	56020	48710
13	8220	8690	e10000	e12400	e14700	e20200	e26300	25120	31480	e59700	55900	48290
14	8270	8710	e10100	e12500	e14900	e20600	e26000	25270	31760	e60400	55920	47900
15	8310	8700	e10200	e12600	e15000	e21100	e25600	25080	32040	e60500	55800	47540
16	8380	8720	e10200	e12600	e15100	e21600	e25500	25070	32620	e60600	55690	47230
17	8470	8730	e10300	e12700	e15300	e22300	e25300	25150	34190	e60600	55670	46950
18	8550	8720	e10400	e12800	e15400	e22900	25100	25270	35860	e60600	55600	46660
19	8630	8730	e10400	e12800	e15500	e23800	25060	25210	37560	e60600	55610	46370
20	8640	8710	e10500	e12900	e15600	e25000	24960	25300	39870	e60500	55490	46040
21	8640	8710	e10500	e13000	e15400	e27300	24860	24860	41090	e60400	55320	45740
22	8630	8680	e10600	e13000	e15600	e27300	24760	24770	41860	e60400	55290	45460
23	8630	8670	e10700	e13100	e15700	e27300	24690	25390	42670	e60300	55210	45160
24	8630	8660	e10800	e13100	e15900	e27300	24610	26230	43440	e60100	55100	44860
25	8620	8670	e10900	e13200	e16000	e27300	24640	25050	44230	e60000	55000	44580
26	8610	8740	e11000	e13200	e16200	27010	24670	e25000	45040	59780	55000	44290
27	8600	8850	e11100	e13300	e16400	27200	24630	e25000	45700	59810	54880	44010
28	8580	8960	e11100	e13300	e16600	26970	24670	e25000	46450	59780	54770	43700
29	8570	9000	e11200	e13400	---	27560	24730	e25000	47240	59620	54470	43410
30	8560	9130	e11300	e13400	---	28220	24760	e25000	48070	59570	54360	43110
31	8540	---	e11400	e13500	---	28520	---	e24800	---	59490	54180	---
MAX	8640	9130	11400	13500	16600	28520	28880	26230	48070	60600	59380	53670
MIN	7500	8550	9230	11400	13600	16800	24610	24670	25300	48880	54180	43110
(#)	18.8	19.5	--	--	--	35.5	33.2	--	46.2	51.4	49.0	43.7
(*)	+1320	+590	+2270	+2100	+3100	+11920	-3760	+40	+23270	+11420	-5310	-11070

CAL YR 1994 ..... (*) -21500
WTR YR 1995..... (*) +35890

(#) Elevation, in feet, at end of month.
(*) Change in contents.
(e) No gage reading, contents interpolated.

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in $NW^1/_4NW^1/_4$ sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft downstream from Woodruff Narrows Dam, 1.6 mi upstream from Salt Creek, 5.4 mi upstream from Wyoming-Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft above sea level (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to Sept. 26, 1962, at site 175 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 $ft^3/_s$ June 2, 1983, gage height, 8.26 ft; no flow July 4, 5, 1962, Aug. 30, 31, Sept. 1, 2, 6, 7, 1979, Oct. 30, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,410 $ft^3/_s$ July 14, gage height, 6.08 ft; minimum daily discharge, 16 $ft^3/_s$ Oct. 3-9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	20	22	22	24	169	91	716	896	e173	766
2	17	19	20	22	22	24	169	91	713	871	e162	647
3	16	19	21	22	22	25	168	92	719	872	e150	493
4	16	19	21	22	22	25	167	93	803	877	e140	391
5	16	19	21	21	22	25	167	93	1110	885	131	389
6	16	19	20	22	22	25	167	93	1440	888	122	388
7	16	20	21	21	22	26	167	94	1440	873	117	388
8	16	19	21	22	22	26	167	94	1440	779	94	384
9	16	19	21	22	22	26	167	95	1440	642	85	383
10	18	19	21	22	22	27	167	96	1430	656	84	269
11	19	20	20	22	23	27	166	96	1420	1010	85	55
12	19	20	20	22	23	27	165	161	1280	1200	84	54
13	19	19	21	22	23	28	165	217	960	1340	77	54
14	19	20	21	22	23	28	165	218	973	1360	71	55
15	20	20	21	22	22	29	165	219	990	1170	71	55
16	19	20	21	22	23	27	165	221	1010	1010	70	54
17	19	20	21	22	23	27	165	221	983	892	102	54
18	19	20	21	22	23	110	165	223	967	796	124	53
19	19	20	21	22	23	166	165	635	941	735	124	53
20	20	20	21	22	23	167	165	941	911	e700	124	51
21	20	20	21	22	23	167	165	931	920	e685	124	48
22	20	20	21	22	24	167	132	928	893	e645	124	48
23	20	20	21	22	23	169	114	874	857	e600	124	48
24	20	20	21	22	24	167	114	840	864	e490	124	48
25	20	20	21	22	24	167	114	839	872	e350	124	48
26	20	20	21	22	24	168	114	839	878	e320	125	48
27	20	20	21	22	23	169	101	841	878	e270	126	46
28	20	20	21	22	23	169	90	838	885	e220	126	42
29	20	20	21	22	---	169	90	837	896	e200	126	42
30	20	20	21	22	---	169	91	800	906	e195	570	42
31	20	---	22	22	---	169	---	719	---	e182	874	---
TOTAL	577	591	647	680	637	2739	4451	13370	30535	22609	4757	5496
MEAN	18.6	19.7	20.9	21.9	22.7	88.4	148	431	1018	729	153	183
MAX	20	20	22	22	24	169	169	941	1440	1360	874	766
MIN	16	19	20	21	22	24	90	91	713	182	70	42
AC-FT	1140	1170	1280	1350	1260	5430	8830	26520	60570	44840	9440	10900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

MEAN	56.2	55.1	46.2	44.6	48.8	102	283	779	989	291	80.4	57.2
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1962 - 1995	
ANNUAL TOTAL	54055.7		87089			
ANNUAL MEAN	148		239		236	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	1130	May 24	1440	Jun 6	3630	Jun 3 1983
LOWEST DAILY MEAN	6.9	Aug 31	16	Oct 3	.00	Jul 4 1962
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 4	16	Oct 3	.07	Nov 26 1980
ANNUAL RUNOFF (AC-FT)	107200		172700		171100	
10 PERCENT EXCEEDS	762		877		796	
50 PERCENT EXCEEDS	32		54		40	
90 PERCENT EXCEEDS	12		20		8.6	

e Estimated

10023000 BIG CREEK NEAR RANDOLPH, UT

LOCATION.--Lat 41°36'36", long 111°15'12", in NW¼NW¼NE¼ sec. 15, T. 10 W., R. 6 E., Rich County, Hydrologic Unit 16010101, on left bank 2.7 mi downstream from main forks and 5.2 mi southwest of Randolph.

DRAINAGE AREA.--52.4 mi².

PERIOD OF RECORD.--March 1939 to September 1944 (fragmentary), October 1949 to September 1970. October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above sea level, from topographic map. March 1939 to September 1944 (fragmentary), at site 0.2 mi downstream at different datum, October 1949 to September 1959 at site 200 ft upstream at different datum, September 1959 to September 1970 at site 300 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 ft³/s July 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 ft³/s Aug. 4, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
May 10	2100	*33	*4.87				

Minimum daily discharge, 3.8 ft³/s Jan. 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	5.7	e5.8	e6.8	e5.7	e7.9	10	20	23	23	18	15
2	5.9	6.1	e5.4	e5.6	e5.3	e7.4	9.5	23	24	23	18	15
3	7.1	6.3	e6.4	e7.0	e5.0	e8.3	9.0	23	24	23	18	15
4	7.5	e5.4	e5.8	e5.5	e5.6	e9.0	9.1	24	23	22	18	15
5	8.2	e4.5	e7.0	e5.2	e6.3	e8.4	9.8	25	23	22	18	16
6	7.5	e5.6	e6.5	e4.6	e7.0	e6.3	11	26	23	22	17	15
7	6.8	6.2	e8.0	e5.0	e6.5	e8.2	11	27	23	21	17	16
8	6.7	6.3	e8.0	e4.5	e6.0	e9.0	14	29	27	21	17	16
9	6.7	6.0	e7.0	e5.1	e6.4	e9.0	13	30	24	21	17	16
10	6.7	5.7	e6.4	e5.9	e7.0	e8.3	12	32	23	21	17	16
11	6.7	5.4	e6.4	e6.7	e7.0	e9.0	12	33	22	22	17	15
12	6.7	6.0	e5.8	e7.0	e7.8	e7.0	12	32	22	22	16	15
13	6.7	5.3	e5.4	e7.0	e7.2	e6.0	11	30	23	21	16	15
14	6.8	e5.5	e4.5	e8.2	e6.6	e6.7	12	28	23	21	16	15
15	7.4	e5.2	e4.8	e8.4	e6.6	e7.0	12	26	23	21	16	15
16	6.8	e4.5	e5.2	e6.9	e7.0	e9.8	12	26	23	20	16	15
17	6.7	e4.4	e6.8	e6.0	e7.2	e11	12	26	24	20	16	15
18	6.7	5.4	e7.0	e6.6	e5.5	e12	13	26	24	20	15	16
19	6.6	e5.8	e5.0	e7.4	e4.5	e11	13	26	23	21	15	15
20	6.4	e7.0	e5.5	e6.2	e5.2	e10	13	26	23	20	15	15
21	6.4	e6.2	e6.0	e5.4	e6.0	e10	12	26	23	20	16	15
22	6.3	e5.8	e4.5	e5.4	e7.0	12	12	27	23	20	16	15
23	6.3	e6.2	e5.6	e4.8	e8.0	11	12	27	23	19	15	15
24	6.3	e5.7	e5.3	e4.2	e7.2	11	12	26	22	19	15	15
25	6.2	e5.3	e4.4	e4.4	e6.7	11	11	26	22	19	15	15
26	6.1	e5.2	e5.1	e4.5	e6.9	11	12	25	22	18	15	15
27	6.0	e4.6	e5.7	e3.8	e6.9	11	12	24	23	18	14	15
28	6.1	e5.2	e6.3	e5.0	e7.0	11	13	24	23	18	14	14
29	5.9	e6.0	e6.9	e6.0	---	11	14	24	23	18	14	15
30	6.2	e6.4	e7.3	e7.0	---	11	19	23	22	18	15	15
31	e5.0	---	e7.7	e6.3	---	10	---	24	---	18	15	---
TOTAL	203.3	168.9	187.5	182.4	181.1	291.3	359.4	814	693	632	497	455
MEAN	6.56	5.63	6.05	5.88	6.47	9.40	12.0	26.3	23.1	20.4	16.0	15.2
MAX	8.2	7.0	8.0	8.4	8.0	12	19	33	27	23	18	16
MIN	5.0	4.4	4.4	3.8	4.5	6.0	9.0	20	22	18	14	14
AC-FT	403	335	372	362	359	578	713	1610	1370	1250	986	902

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

MEAN	11.4	10.4	9.43	8.54	8.49	9.48	15.0	28.9	21.0	15.1	12.6	11.7
MAX	26.3	25.9	23.7	23.4	22.6	22.6	42.3	95.4	62.2	40.3	31.8	28.4
(WY)	1952	1987	1987	1987	1987	1987	1951	1952	1952	1950	1950	1952
MIN	2.14	2.84	2.18	2.17	2.63	2.65	3.56	2.85	1.86	1.48	1.29	1.80
(WY)	1993	1993	1991	1991	1991	1991	1991	1992	1992	1961	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	2665.5		4664.9			
ANNUAL MEAN	7.30		12.8		13.5	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	14	May 10	33	May 11	140	May 18 1950
LOWEST DAILY MEAN	4.4	Nov 17	3.8	Jan 27	1.0	Aug 5 1992
ANNUAL SEVEN-DAY MINIMUM	5.1	Jul 16	4.6	Jan 22	1.1	Aug 8 1992
ANNUAL RUNOFF (AC-FT)	5290		9250		9810	
10 PERCENT EXCEEDS	11		23		26	
50 PERCENT EXCEEDS	6.7		11		10	
90 PERCENT EXCEEDS	5.3		5.4		3.9	

e Estimated

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in $SE^1/_4SE^1/_4$ sec. 25, T. 23 N., R. 120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft downstream from Pixley Dam, 11 mi south of Cokeville, and 17.5 mi downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi^2.

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (seasonal only). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,185 ft above sea level, from river-profile map. Oct. 31, 1941 to Nov. 30, 1943, at site 200 ft downstream at different datum.

REMARKS.--No estimated daily discharges. Records good. Natural flow of stream affected by diversions for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 $ft^3/_s$ Mar. 25, 1956; minimum recorded, 0.24 $ft^3/_s$ Apr. 26, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,150 $ft^3/_s$ July 18, 19; minimum daily discharge, 18 $ft^3/_s$ May 19-22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	257	125	150	414	331	89
2	---	---	---	---	---	---	249	132	225	435	289	261
3	---	---	---	---	---	---	242	73	320	511	276	308
4	---	---	---	---	---	---	237	75	400	690	266	294
5	---	---	---	---	---	---	238	96	405	694	246	281
6	---	---	---	---	---	---	238	90	432	813	218	206
7	---	---	---	---	---	---	233	78	557	779	205	110
8	---	---	---	---	---	---	232	72	609	767	197	67
9	---	---	---	---	---	---	249	36	678	779	185	62
10	---	---	---	---	---	---	248	28	801	783	175	50
11	---	---	---	---	---	---	234	37	881	809	164	64
12	---	---	---	---	---	---	225	28	864	772	156	69
13	---	---	---	---	---	---	220	26	812	836	149	63
14	---	---	---	---	---	---	211	25	800	927	141	56
15	---	---	---	---	---	---	208	24	804	1030	135	51
16	---	---	---	---	---	---	205	23	767	1090	124	47
17	---	---	---	---	---	---	200	20	701	1130	114	44
18	---	---	---	---	---	---	201	19	666	1150	107	40
19	---	---	---	---	---	---	193	18	662	1150	91	36
20	---	---	---	---	---	---	177	18	657	1090	77	33
21	---	---	---	---	---	---	158	18	625	981	78	33
22	---	---	---	---	---	---	162	18	563	899	78	43
23	---	---	---	---	---	---	166	20	526	863	81	50
24	---	---	---	---	---	---	168	23	498	824	85	52
25	---	---	---	---	---	---	157	22	471	775	89	59
26	---	---	---	---	---	---	149	23	462	690	86	72
27	---	---	---	---	---	---	147	34	445	620	80	103
28	---	---	---	---	---	---	149	52	383	565	78	132
29	---	---	---	---	---	---	157	70	377	494	60	109
30	---	---	---	---	---	---	136	89	384	432	55	95
31	---	---	---	---	---	---	---	132	---	381	59	---
TOTAL	---	---	---	---	---	---	6046	1544	16925	24173	4475	2979
MEAN	---	---	---	---	---	---	202	49.8	564	780	144	99.3
MAX	---	---	---	---	---	---	257	132	881	1150	331	308
MIN	---	---	---	---	---	---	136	18	150	381	55	33
AC-FT	---	---	---	---	---	---	11990	3060	33570	47950	8880	5910

10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 28, T. 27 N., R. 118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.9 mi upstream from Howland Creek, 5.6 mi downstream from Hobble Creek, and 12.4 mi northeast of Border.

DRAINAGE AREA.--165 mi^2.

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

REVISED RECORDS.--WSP 1734: 1952(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above sea level, from topographic map. Prior to Oct. 16, 1945, at site 1.2 mi downstream at different datum. Oct. 16, 1945 to Nov. 1986 at site 0.4 mi down- stream at different datum.

REMARKS.--Records good, except for estimated daily discharges, which are poor. One diversion for irrigation of about 200 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft$^3/_s$ June 4, 1986, gage height, 5.66 ft; minimum, 21 ft$^3/_s$ Mar. 29, 1975, Jan. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft$^3/_s$ June 15, gage height, 3.88 ft; minimum daily discharge, 35 ft$^3/_s$ Dec. 14, 18, 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	63	e44	e38	e57	60	59	179	615	617	262	141
2	59	64	e50	e41	e61	70	63	190	651	596	261	141
3	59	60	e57	e38	e50	61	66	195	686	617	256	139
4	64	69	e57	e44	e48	61	73	212	695	624	252	139
5	65	66	e48	e47	e45	63	90	245	712	587	247	138
6	72	65	e48	e52	e48	63	103	280	900	570	243	137
7	68	65	e44	e52	e51	61	116	248	730	566	235	134
8	62	62	e42	e56	48	61	126	247	672	565	228	135
9	58	58	e41	e62	47	61	109	297	638	551	224	132
10	58	61	e42	e62	50	61	102	343	614	536	226	133
11	57	60	e45	e52	52	68	95	363	581	530	217	130
12	58	62	e53	e48	59	78	97	385	619	528	207	125
13	58	59	e53	e54	65	70	109	353	778	504	201	123
14	60	e53	e35	e59	67	65	136	322	957	460	198	120
15	74	e43	e40	e54	75	65	126	317	1070	437	190	117
16	66	e48	e44	e49	85	64	121	378	1020	421	187	115
17	64	e45	e40	e43	90	62	121	409	917	406	183	112
18	66	e49	e35	e43	57	63	126	454	850	394	178	113
19	63	e45	e44	e43	51	66	128	468	777	386	174	109
20	61	e44	e38	e40	52	62	122	487	755	386	171	106
21	60	e41	e35	e43	55	69	121	514	751	366	169	105
22	60	e37	e36	e41	60	73	121	546	736	358	167	104
23	58	e40	e42	e39	61	66	122	574	700	345	171	104
24	60	e43	e52	e47	60	70	126	537	680	334	174	104
25	60	e46	e53	e56	61	65	133	514	685	324	162	105
26	61	e41	e56	e53	62	63	137	513	693	312	155	106
27	61	e37	e44	e50	63	60	145	494	704	302	151	102
28	62	e43	e47	e47	60	62	172	476	687	296	150	102
29	60	e40	e52	e44	---	60	180	476	669	289	146	102
30	58	e48	e48	e49	---	59	189	493	642	279	143	101
31	59	---	e40	e52	---	58	---	550	---	273	141	---
TOTAL	1915	1557	1405	1498	1640	1990	3534	12059	22184	13759	6069	3574
MEAN	61.8	51.9	45.3	48.3	58.6	64.2	118	389	739	444	196	119
MAX	74	69	57	62	90	78	189	574	1070	624	262	141
MIN	57	37	35	38	45	58	59	179	581	273	141	101
AC-FT	3800	3090	2790	2970	3250	3950	7010	23920	44000	27290	12040	7090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	91.2	78.5	69.3	63.6	61.0	62.7	161	540	626	296	153	109
MAX	156	113	88.4	85.0	82.8	99.4	385	956	1377	602	242	166
(WY)	1987	1986	1983	1983	1984	1986	1946	1982	1986	1975	1983	1986
MIN	51.0	50.7	45.3	40.1	38.1	39.5	58.6	99.1	96.2	61.4	55.1	52.1
(WY)	1978	1978	1995	1988	1988	1988	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	36079		71184			
ANNUAL MEAN	98.8		195		193	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					71.1	1977
HIGHEST DAILY MEAN	424	May 14	1070	Jun 15	2000	Jun 4 1986
LOWEST DAILY MEAN	35	Dec 14	35	Dec 14	32	Dec 6 1993
ANNUAL SEVEN-DAY MINIMUM	39	Dec 17	39	Dec 17	35	Dec 1 1993
ANNUAL RUNOFF (AC-FT)	71560		141200		139900	
10 PERCENT EXCEEDS	221		572		518	
50 PERCENT EXCEEDS	70		75		90	
90 PERCENT EXCEEDS	48		44		58	

e Estimated

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi^2.

PERIOD OF RECORD.--April 1954 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above sea level, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by diversion for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,620 ft^3/$_s$ June 7, 1983, gage height, 8.75 ft; minimum, 31 ft^3/$_s$ Oct. 4, 5, 6, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,350 ft^3/$_s$ June 15, gage height, 6.12 ft; minimum discharge, 66 ft^3/$_s$ Mar. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	129	e120	e120	e158	e173	434	391	826	1040	497	204
2	97	137	e110	e140	e155	e162	435	390	980	1050	449	292
3	100	140	e128	e155	e152	e154	423	388	1260	1080	425	450
4	106	110	e130	e170	e158	e154	429	338	1500	1260	420	446
5	121	137	e135	e160	e168	e151	448	367	1600	1370	413	431
6	130	145	e139	e170	e168	e150	472	415	1710	1420	382	389
7	123	156	e140	e155	e166	e160	480	395	1820	1430	360	304
8	100	160	e132	e150	e170	e167	490	367	1840	1360	346	241
9	103	154	e130	e162	e168	e170	468	359	1870	1340	334	214
10	101	155	e140	e170	e160	162	468	354	2000	1320	326	210
11	105	154	e132	e151	e165	151	442	387	2110	1320	320	206
12	106	171	e127	e138	e178	254	425	441	2130	1330	303	212
13	106	167	e120	e130	e172	295	424	420	2130	1340	293	211
14	105	144	e127	e140	e153	323	450	377	2190	1340	286	207
15	127	125	e141	e132	e160	336	434	341	2290	1390	277	198
16	128	154	e132	e131	e150	347	419	371	2300	1450	269	188
17	128	137	e128	e131	e135	359	409	418	2120	1470	261	171
18	139	142	e139	e128	e170	376	406	456	1970	1470	249	153
19	140	e136	e129	e129	e150	412	409	486	1810	1490	237	155
20	134	e140	e120	e140	e130	602	385	511	1730	1470	224	151
21	133	e130	e110	e122	e145	813	367	539	1680	1370	231	150
22	132	e130	e128	e119	e152	898	356	570	1530	1260	238	152
23	129	e120	e139	e113	e161	851	352	616	1420	1200	242	161
24	127	e125	e123	e113	e166	752	355	598	1300	1110	263	158
25	123	e130	e122	110	e150	671	355	560	1230	1090	262	161
26	123	e119	e122	120	e156	599	346	574	1220	959	254	187
27	124	e110	e124	131	e165	553	344	567	1210	834	243	215
28	127	e112	e120	134	e172	522	368	574	1130	750	234	235
29	139	e118	e120	e130	---	486	407	583	1060	683	225	257
30	125	e121	e110	e150	---	461	424	602	1010	601	204	234
31	121	---	e130	e170	---	443	---	680	---	548	200	---
TOTAL	3699	4108	3947	4314	4453	12107	12424	14435	48976	37145	9267	6943
MEAN	119	137	127	139	159	391	414	466	1633	1198	299	231
MAX	140	171	141	170	178	898	490	680	2300	1490	497	450
MIN	97	110	110	110	130	150	344	338	826	548	200	150
AC-FT	7340	8150	7830	8560	8830	24010	24640	28630	97140	73680	18380	13770

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1995, BY WATER YEAR (WY)

MEAN	218	228	198	180	206	371	692	1003	1248	594	241	200
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1955 - 1995	
ANNUAL TOTAL	69588		161818			
ANNUAL MEAN	191		443		449	
HIGHEST ANNUAL MEAN	1049				1984	
LOWEST ANNUAL MEAN	112				1977	
HIGHEST DAILY MEAN	545	May 17	2300	Jun 16	5400	Jun 7 1983
LOWEST DAILY MEAN	78	Sep 27	97	Oct 1	31	Oct 5 1977
ANNUAL SEVEN-DAY MINIMUM	81	Sep 22	104	Oct 8	36	Oct 1 1977
ANNUAL RUNOFF (AC-FT)	138000		321000		324900	
10 PERCENT EXCEEDS	326		1320		1120	
50 PERCENT EXCEEDS	148		214		223	
90 PERCENT EXCEEDS	97		122		112	

e Estimated

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 15, T. 14 S., R. 46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi^2.

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above sea level, unadjusted.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft$^3/_s$ June 7, 1983, gage height, 9.69 ft; minimum, 24 ft$^3/_s$ Apr. 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,450 ft$^3/_s$ June 16, gage height, 7.15 ft; minimum daily discharge, 93 ft$^3/_s$ Oct. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	128	e119	e120	e160	e170	474	411	769	1120	559	169
2	95	137	e111	e130	e155	e163	465	404	949	1160	507	201
3	97	141	e121	e142	e150	e152	455	418	1210	1170	474	360
4	108	135	e128	e160	e153	e151	458	366	1470	1320	466	388
5	114	125	e130	e159	e163	e150	475	370	1580	1460	459	382
6	125	137	e134	e168	e166	e149	501	415	1680	1480	425	371
7	126	148	e136	e160	e166	e155	513	424	1820	1520	394	297
8	107	153	e132	e150	e166	e162	523	395	1920	1450	372	239
9	104	152	e129	e155	e166	e168	514	367	1960	1410	355	205
10	103	145	e135	e165	e161	e160	495	330	2070	1400	346	205
11	101	147	e131	e140	e160	e150	472	353	2180	1400	330	195
12	93	160	e128	e130	e162	e230	438	414	2280	1450	310	201
13	97	166	e120	e133	e175	e285	403	432	2270	1480	296	199
14	98	141	e125	e132	e170	e300	394	394	2290	1470	285	197
15	107	147	e138	e132	e160	e310	392	343	2350	1500	272	190
16	113	148	e133	e130	e150	e320	372	319	2430	1550	263	181
17	110	e140	e130	e129	e140	e330	365	380	2360	1590	253	171
18	115	e139	e130	e128	e160	e370	355	431	2190	1600	241	149
19	126	e135	e138	e127	e148	e430	369	469	1960	1610	221	149
20	126	e135	e125	e136	e132	e530	367	490	1890	1610	207	154
21	128	e130	e110	e125	e138	e680	351	515	1830	1530	208	151
22	127	e128	e110	e118	e148	e1100	337	562	1710	1410	220	150
23	126	e120	e130	e114	e152	965	335	629	1560	1340	216	155
24	125	e120	e139	e111	e162	851	336	633	1440	1240	218	154
25	122	e126	e120	e110	e153	743	342	601	1350	1210	225	154
26	122	e120	e120	e115	e151	651	334	620	1320	1100	218	170
27	125	e110	e121	e125	e160	590	331	633	1310	948	214	199
28	125	e111	e120	e130	e169	553	350	648	1260	845	206	214
29	133	e113	e119	e130	---	514	392	633	1160	775	203	236
30	132	e118	e112	e142	---	492	436	622	1110	682	190	224
31	124	---	e125	e163	---	479	---	662	---	616	181	---
TOTAL	3555	4055	3899	4209	4396	12453	12344	14683	51678	40446	9334	6410
MEAN	115	135	126	136	157	402	411	474	1723	1305	301	214
MAX	133	166	139	168	175	1100	523	662	2430	1610	559	388
MIN	93	110	110	110	132	149	331	319	769	616	181	149
AC-FT	7050	8040	7730	8350	8720	24700	24480	29120	102500	80220	18510	12710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

MEAN	207	223	198	182	208	385	750	1006	1146	518	220	177
MAX	751	693	563	381	479	1294	1979	3158	3829	1670	752	671
(WY)	1983	1983	1983	1985	1986	1986	1985	1952	1983	1983	1983	1983
MIN	51.4	81.2	106	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	1978	1978	1993	1993	1993	1988	1977	1977	1977	1977	1940	1940

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1938 - 1995	
ANNUAL TOTAL	64801		167462			
ANNUAL MEAN	178		459		435	
HIGHEST ANNUAL MEAN					1068	1983
LOWEST ANNUAL MEAN					103	1977
HIGHEST DAILY MEAN	438	May 17	2430	Jun 16	4840	Jun 8 1983
LOWEST DAILY MEAN	62	Sep 2	93	Oct 12	25	Apr 29 1977
ANNUAL SEVEN-DAY MINIMUM	71	Aug 29	100	Oct 8	29	Apr 28 1977
ANNUAL RUNOFF (AC-FT)	128500		332200		315300	
10 PERCENT EXCEEDS	301		1410		1120	
50 PERCENT EXCEEDS	142		201		222	
90 PERCENT EXCEEDS	81		120		110	

e Estimated

10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 3, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above sea level, (by topographic survey). Prior to Oct. 1, 1923, at site 300 ft downstream at different datum; Oct. 1, 1923 to Oct. 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair. Canal diverts from Bear River at Stewart Dam in NE$^1/_4$ sec. 34, T. 13 S., R. 44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--73 years, 361 ft$^3/_s$, 261,540 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 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	128	111	112	100	222	510	512	423	516	507	153
2	27	125	101	85	139	236	505	501	475	570	451	164
3	31	126	106	81	157	254	509	494	606	566	417	164
4	52	128	116	75	168	285	515	495	788	814	373	172
5	64	119	116	74	166	259	522	473	1130	1080	388	278
6	75	113	123	79	175	277	543	481	1150	1190	381	276
7	76	124	139	83	198	305	571	505	1220	1260	358	259
8	99	128	131	79	237	277	586	514	1520	1240	333	227
9	91	130	129	81	253	273	587	505	1700	1190	306	181
10	76	130	98	84	259	305	559	492	1770	1180	288	145
11	75	131	91	87	241	370	550	473	1820	1150	296	182
12	73	131	96	91	478	494	527	477	1920	1180	278	404
13	75	129	99	94	813	730	505	528	1970	1210	260	371
14	74	136	101	95	397	1040	452	533	1940	1220	250	359
15	83	128	110	94	275	1240	446	485	1820	1210	239	319
16	92	111	95	94	231	1390	451	410	1880	1230	232	223
17	102	100	92	101	201	1550	429	379	1940	1290	218	212
18	92	108	90	97	176	1700	418	410	1970	1300	209	202
19	113	106	95	96	176	1320	411	425	1850	1320	197	192
20	118	91	98	103	189	1120	420	396	1600	1390	174	174
21	132	102	94	102	190	1020	412	394	1410	1390	170	160
22	124	96	93	116	184	1120	398	425	1290	1350	179	153
23	123	99	87	100	179	1130	395	511	1240	1270	171	147
24	122	90	89	89	182	1030	396	545	1100	1210	171	143
25	122	95	91	87	182	867	395	528	985	1110	172	135
26	122	103	98	82	172	767	399	514	886	1060	171	124
27	123	108	102	80	196	679	400	528	584	934	163	110
28	123	106	106	82	209	614	398	540	653	814	154	100
29	122	103	104	88	---	560	424	508	587	689	146	134
30	124	101	102	97	---	527	469	462	527	642	142	176
31	129	---	116	93	---	518	---	435	---	552	139	---
TOTAL	2888	3425	3219	2801	6523	22479	14102	14878	38754	33127	7933	6039
MEAN	93.2	114	104	90.4	233	725	470	480	1292	1069	256	201
MAX	132	136	139	116	813	1700	587	545	1970	1390	507	404
MIN	27	90	87	74	100	222	395	379	423	516	139	100
AC-FT	5730	6790	6380	5560	12940	44590	27970	29510	76870	65710	15740	11980

CAL YR 1994 TOTAL 38943.2 MEAN 107 MAX 409 MIN 3.0 AC-FT 77240
WTR YR 1995 TOTAL 156168 MEAN 428 MAX 1970 MIN 27 AC-FT 309800

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE$^1/_4$ sec. 16, T. 15 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 mi^2, approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906, elevations only, published as "at Fish Haven," January 1921 to current year. Monthly contents only January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft Utah Power & Light Co. datum.

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (station 10046000) and Dingle Inlet Canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet Canal (station 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft between elevation 5,902.00 ft, lower limit of pumps, and 5,923.65 ft, upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures herein given represent usable contents.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft June 10, 1923, elevation, 5,923.68 ft; no usable contents Nov. 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 646,000 acre-ft July 23-Aug.1, elevation, 5,912.37 ft; minimum, 268,000 acre-ft Oct. 1-4, elevation, 5,906.44 ft.

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

5,905	179,500	5,910	492,300
5,906	241,000	5,911	556,800

RESERVOIR STORAGE, IN THOUSANDS OF ACRE FEET, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	268	272	292	299	318	336	388	431	499	601	646	583
2	268	272	293	299	319	336	390	433	502	601	645	582
3	268	272	293	299	319	336	393	436	505	601	641	581
4	268	273	293	299	319	337	397	439	508	601	639	579
5	269	273	293	300	319	337	399	441	512	602	638	578
6	270	274	293	300	319	337	400	443	515	603	635	577
7	270	275	293	300	320	338	401	445	518	605	634	576
8	270	276	293	300	320	338	402	446	521	607	632	574
9	270	278	293	301	320	338	404	447	524	609	628	572
10	270	280	293	301	320	338	405	449	528	611	626	570
11	270	282	293	302	321	339	408	451	533	614	624	568
12	271	283	293	303	321	340	410	453	541	618	623	566
13	271	285	294	304	322	343	412	454	546	622	622	563
14	271	286	294	306	324	345	412	456	550	625	619	562
15	272	286	294	307	326	348	414	459	555	628	617	561
16	272	287	295	309	329	351	415	460	559	632	615	560
17	272	288	296	311	331	356	416	463	564	635	612	559
18	272	288	296	313	334	359	416	464	569	638	609	559
19	272	288	296	315	335	362	416	465	574	639	605	559
20	272	289	296	316	335	364	418	467	577	641	602	559
21	272	289	296	316	336	366	419	468	581	643	600	559
22	272	289	296	316	336	368	421	469	586	645	599	557
23	272	290	297	316	336	369	422	472	588	646	597	557
24	272	290	297	316	336	373	423	475	590	646	596	554
25	272	291	298	316	336	375	425	478	592	646	592	553
26	272	291	298	316	336	376	426	481	596	646	590	551
27	272	291	298	316	336	378	427	484	597	646	589	550
28	272	291	298	317	336	381	427	487	599	646	588	548
29	272	292	299	317	---	383	428	490	600	646	587	547
30	272	292	299	318	---	383	429	492	600	646	586	545
31	272	---	299	318	---	385	---	496	---	646	585	---
MAX	272	292	299	318	336	385	429	496	600	646	646	583
MIN	268	272	292	299	318	336	388	431	499	601	585	545
(#)	5906.51	5906.83	5906.94	5907.24	5907.54	5908.32	5909.01	5910.05	5911.67	5912.37	5911.43	5910.82
(*)	+4	+20	+7	+19	+18	+49	+44	-67	+104	+46	-61	-40

CAL YR 1994 ..... (*) -220
WTR YR 1995..... (*) +277

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

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 8, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above sea level, unadjusted.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Bear Lake (station 10055500).

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--73 years, 408 $ft^3/_s$, 295,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 $ft^3/_s$ June 19-21, 1986; minimum daily discharge, 1.0 $ft^3/_s$ for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.1	e5.1	e5.1	e5.2	e5.4	e5.5	e5.7	e5.8	e5.9	204	811	713
2	e5.1	e5.1	e5.1	e5.2	e5.4	e5.5	e5.7	e5.8	e5.9	210	840	655
3	e5.1	e5.1	e5.1	e5.2	e5.4	e5.5	e5.7	e5.8	e5.9	225	898	604
4	e5.1	e5.1	e5.1	e5.2	e5.4	e5.5	e5.7	e5.8	e5.9	234	910	636
5	e5.1	e5.1	e5.1	e5.2	e5.4	e5.5	e5.7	e5.8	e5.9	234	919	636
6	e5.1	e5.1	e5.1	e5.3	e5.4	e5.5	e5.7	e5.8	e5.9	286	929	596
7	e5.1	e5.1	e5.1	e5.3	e5.4	e5.5	e5.7	e5.8	e5.9	339	935	544
8	e5.1	e5.1	e5.1	e5.3	e5.4	e5.5	e5.7	e5.8	e5.9	339	929	507
9	e5.1	e5.1	e5.1	e5.3	e5.4	e5.5	e5.7	e5.8	e5.9	331	921	488
10	e5.1	e5.1	e5.1	e5.3	e5.4	e5.5	e5.7	e5.8	e5.9	470	914	489
11	e5.1	e5.1	e5.1	e5.3	e5.4	e5.6	e5.7	e5.8	e5.9	576	910	384
12	e5.1	e5.1	e5.1	e5.3	e5.4	e5.6	e5.7	e5.8	e5.9	586	900	276
13	e5.1	e5.1	e5.1	e5.3	e5.4	e5.6	e5.7	e5.9	e5.9	599	898	275
14	e5.1	e5.1	e5.1	e5.3	e5.4	e5.6	e5.7	e5.9	e5.9	600	888	274
15	e5.1	e5.1	e5.1	e5.3	e5.4	e5.6	e5.7	e5.9	e5.9	552	864	341
16	e5.1	e5.1	e5.2	e5.3	e5.4	e5.6	e5.7	e5.9	e5.9	517	802	386
17	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.7	e5.9	e5.9	554	781	378
18	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.7	e5.9	e5.9	608	775	356
19	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.7	e5.9	e5.9	727	768	260
20	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.7	e5.9	e5.9	761	768	261
21	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.7	e5.9	e5.9	746	764	248
22	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.8	e5.9	e5.9	728	823	250
23	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.8	e5.9	e5.9	711	913	252
24	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.8	e5.9	e5.9	709	964	249
25	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.8	e5.9	e5.9	758	957	245
26	e5.1	e5.1	e5.2	e5.3	e5.5	e5.6	e5.8	e5.9	e5.9	798	929	e25
27	e5.1	e5.1	e5.2	e5.4	e5.5	e5.6	e5.8	e5.9	e5.9	810	911	e5.6
28	e5.1	e5.1	e5.2	e5.4	e5.5	e5.6	e5.8	e5.9	175	806	894	e5.6
29	e5.1	e5.1	e5.2	e5.4	---	e5.6	e5.8	e5.9	334	787	858	e5.6
30	e5.1	e5.1	e5.2	e5.4	---	e5.6	e5.8	e5.9	271	760	807	e5.6
31	e5.1	---	e5.2	e5.4	---	e5.6	---	e5.9	---	774	781	---
TOTAL	158.1	153.0	159.7	164.3	152.4	172.6	171.9	181.7	939.3	17339	26961	10350.4
MEAN	5.10	5.10	5.15	5.30	5.44	5.57	5.73	5.86	31.3	559	870	345
MAX	5.1	5.1	5.2	5.4	5.5	5.6	5.8	5.9	334	810	964	713
MIN	5.1	5.1	5.1	5.2	5.4	5.5	5.7	5.8	5.9	204	764	5.6
AC-FT	314	303	317	326	302	342	341	360	1860	34390	53480	20530

CAL YR 1994 TOTAL 121451.8 MEAN 333 MAX 1550 MIN 5.0 AC-FT 240900
WTR YR 1995 TOTAL 56903.4 MEAN 156 MAX 964 MIN 5.1 AC-FT 112900

e Estimated

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec. 6, T. 12 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010202, on left bank at Pescadero, 400 ft downstream from road bridge, 2 mi downstream from Bennington Creek, and 6.5 mi northwest of Montpelier.

DRAINAGE AREA.--3,705 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 June 21, 1986; minimum daily, 23 ft^3/s Mar. 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,110 ft^3/s Aug. 25; minimum daily discharge, 43 ft^3/s Oct. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	55	83	e66	e88	e73	195	167	411	448	879	829
2	48	58	82	e68	e76	e70	192	173	404	411	892	790
3	48	58	82	e64	e67	e74	192	234	408	428	967	697
4	49	57	81	e61	e60	e80	185	246	408	578	1000	681
5	58	64	79	e63	e66	e82	178	240	410	673	1010	704
6	64	63	82	e72	e72	e83	187	248	455	621	1020	701
7	60	62	e70	e72	e80	e83	193	265	451	600	1030	666
8	57	62	e66	e73	e74	e82	211	258	433	562	1010	612
9	54	64	e71	e79	e70	e84	223	254	505	523	1010	568
10	51	62	74	e82	e61	96	229	245	645	511	1000	556
11	48	61	74	e72	e68	219	229	244	621	700	1000	542
12	47	65	74	e66	e56	396	212	246	552	751	990	382
13	47	62	77	e67	e45	357	180	243	492	757	973	330
14	43	57	81	e72	e50	308	165	238	394	831	966	324
15	53	60	83	e79	e57	351	164	238	335	794	958	319
16	59	68	83	e72	e66	415	150	233	273	723	908	262
17	57	62	85	e65	e75	391	149	233	245	679	847	290
18	53	e58	85	e61	e64	372	146	236	245	736	813	297
19	57	e53	86	e60	e67	388	134	223	292	767	822	260
20	58	e58	88	e54	e72	384	133	222	369	917	825	212
21	55	63	e86	e53	e64	392	136	217	357	923	827	206
22	54	62	e86	e58	e72	395	139	220	408	899	843	203
23	53	59	e85	e54	e72	378	134	307	363	863	972	203
24	52	60	e86	e52	e78	353	128	362	282	840	1060	204
25	51	65	e90	e57	e78	333	125	325	260	840	1110	201
26	51	72	e85	e68	e84	294	122	333	242	917	1080	170
27	51	72	e83	e78	e90	275	119	342	271	924	1050	144
28	53	75	e79	e60	e82	247	119	348	327	931	1030	144
29	51	78	e77	e54	---	220	128	352	524	916	1010	152
30	51	82	e74	e62	---	211	151	355	570	873	928	143
31	52	---	e69	e74	---	202	---	414	---	836	894	---
TOTAL	1640	1897	2486	2038	1954	7688	4948	8261	11952	22772	29724	11792
MEAN	52.9	63.2	80.2	65.7	69.8	248	165	266	398	735	959	393
MAX	64	82	90	82	90	415	229	414	645	931	1110	829
MIN	43	53	66	52	45	70	119	167	242	411	813	143
AC-FT	3250	3760	4930	4040	3880	15250	9810	16390	23710	45170	58960	23390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 1995, BY WATER YEAR (WY)

MEAN	453	461	478	443	390	384	428	563	931	1178	1011	669
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1923 - 1995	
ANNUAL TOTAL	157466		107152			
ANNUAL MEAN	431		294		619	
HIGHEST ANNUAL MEAN					1733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1770	Jun 25	1110	Aug 25	4280	Jun 21 1986
LOWEST DAILY MEAN	43	Oct 14	43	Oct 14	23	Mar 14 1936
ANNUAL SEVEN-DAY MINIMUM	49	Oct 9	49	Oct 9	23	Mar 11 1936
ANNUAL RUNOFF (AC-FT)	312300		212500		448500	
10 PERCENT EXCEEDS	1340		841		1340	
50 PERCENT EXCEEDS	130		167		495	
90 PERCENT EXCEEDS	59		57		76	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 29, T. 9 S., R. 42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi^2.

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above sea level, from topographic map. May 25 to Oct. 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--42 years, 708 ft$^3/_s$, 512,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft$^3/_s$ June 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum discharge, 41 ft$^3/_s$ Nov. 16, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,060 ft$^3/_s$ Aug. 25, 26; minimum daily discharge, 73 ft$^3/_s$ Nov. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	82	e83	e130	e234	206	332	357	634	607	836	856
2	97	81	e80	e129	e266	199	329	364	642	554	855	815
3	94	78	e83	e127	e286	198	323	383	654	569	906	749
4	107	83	e85	e127	e290	202	324	422	669	673	955	710
5	114	86	e85	e128	e300	196	322	431	669	777	962	734
6	139	86	e87	e125	e221	185	321	462	680	733	970	744
7	131	85	e91	e123	e276	175	339	465	712	695	973	710
8	119	80	e92	e123	e263	176	363	463	744	653	969	673
9	117	77	e94	e123	e287	188	382	443	802	609	955	629
10	116	76	e99	e125	288	207	371	453	883	584	957	608
11	113	75	e102	e127	258	408	368	474	921	729	962	603
12	103	83	e104	e127	199	653	361	498	852	807	954	516
13	98	79	e106	e127	212	563	340	491	768	808	938	410
14	113	e74	e109	e127	196	486	315	473	714	861	923	389
15	110	e73	e110	e128	200	515	300	460	643	821	918	383
16	114	e80	e112	e137	212	583	302	453	580	761	889	364
17	111	e79	e115	e151	217	580	284	446	535	719	827	332
18	105	e81	e113	e171	185	577	276	449	514	755	786	362
19	102	e89	e110	e175	174	592	287	462	509	788	789	363
20	101	e89	e112	e164	171	582	279	458	547	908	796	306
21	99	e90	e113	e186	190	603	277	464	585	926	804	283
22	97	e95	e114	e209	195	601	273	475	578	892	815	286
23	95	e94	e116	e233	193	580	271	502	597	852	911	285
24	93	e94	e123	e262	189	540	266	615	504	853	1020	283
25	91	e94	e128	e255	196	506	260	616	446	835	1060	281
26	90	e93	e129	e236	192	447	258	592	423	891	1060	272
27	88	e92	e129	e221	193	416	255	604	414	902	1030	223
28	86	e91	e128	e215	221	392	259	601	462	908	1010	218
29	84	e88	e127	e205	---	368	270	580	577	894	999	223
30	83	e85	e126	e210	---	342	338	575	684	851	950	230
31	83	---	e129	e225	---	336	---	610	---	814	904	---
TOTAL	3200	2532	3334	5151	6304	12602	9245	15141	18942	24029	28683	13840
MEAN	103	84.4	108	166	225	407	308	488	631	775	925	461
MAX	139	95	129	262	300	653	382	616	921	926	1060	856
MIN	83	73	80	123	171	175	255	357	414	554	786	218
AC-FT	6350	5020	6610	10220	12500	25000	18340	30030	37570	47660	56890	27450

CAL YR 1994 TOTAL 170388 MEAN 467 MAX 1700 MIN 73 AC-FT 338000
WTR YR 1995 TOTAL 143003 MEAN 392 MAX 1060 MIN 73 AC-FT 283600

e Estimated

10079000 SODA POINT RESERVOIR AT ALEXANDER, ID

LOCATION.--Lat 42°38'41", long 111°42'44", in $NW^1/_4SE^1/_4NW^1/_4$ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, 0.5 mi Southeast of Alexander, 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

GAGE.--Elevation of gage is 5,600 ft, Utah Power and Light Co. datum.

PERIOD OF RECORD.--October 1924 to current year. Prior to 1986, published in reports of the Bear River Commission.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 13,770 acre-ft Aug. 28, elevation, 5,719.15 ft; minimum, 11,190 acre-ft Apr. 16, elevation, 5,717.90 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13370	13200	13180	12810	12960	12310	11520	13030	12710	12530	12760	13690
2	13300	13260	13020	12800	13060	12220	11960	13140	12610	12640	12820	13560
3	13300	13300	13100	12780	13080	12060	12130	13260	12680	12780	12760	13600
4	13320	13290	13220	12760	13160	12340	12330	12790	12700	12920	12780	13610
5	13450	13320	13140	12730	13260	12540	12490	13060	12700	13350	12840	13620
6	13590	13430	13270	12730	12610	12500	12540	13420	12750	13550	12890	13630
7	13490	13440	13120	12730	12590	12390	12590	13260	12750	13600	12970	13660
8	13550	13270	13220	12730	12540	12300	12640	13020	12940	13490	13040	13590
9	13610	13360	13080	12740	12590	12110	12770	12780	12910	13170	12990	13590
10	13670	13440	13150	12770	12490	11950	12930	12420	13010	12830	12930	13550
11	13460	13530	13220	12870	12660	12220	13020	12860	13160	12450	12890	13510
12	13300	13650	13030	12950	12800	12930	13320	12740	13040	12450	12830	13450
13	13090	13710	12290	12740	12610	12930	12750	12570	12810	12490	12740	13450
14	12240	13510	12400	12810	12470	12410	12210	12420	12740	12490	12640	13310
15	12420	13240	12480	12960	12280	11980	11630	12680	12600	12640	12740	13180
16	12540	13300	12540	12790	12380	12060	11190	12930	12600	12700	12780	13220
17	12640	13430	12640	12850	12090	12190	11190	13160	12540	12620	12740	13160
18	12760	13250	12720	12930	12230	12150	11530	12760	12780	12620	12640	13140
19	12860	13250	12800	12990	12390	12140	11880	12390	12930	12620	12610	13140
20	12910	13250	12860	12830	12540	12150	12220	12990	13070	12670	12610	13120
21	12970	13250	12870	12850	12680	12240	12080	13180	13200	12630	12620	13100
22	13000	13120	12680	12870	12470	12270	12260	13510	13160	12570	12670	13080
23	13020	13120	12720	12910	12400	11800	12530	13370	13190	12420	12740	13080
24	13040	13120	12760	12950	12180	11800	12720	13370	13140	12300	13130	13060
25	13060	13180	12830	12970	12330	11720	12870	13370	12930	12130	13300	13040
26	13100	13250	12890	12750	12500	11530	12870	13330	12670	12060	13500	13040
27	13140	13280	12950	12790	12370	11450	13720	13250	12450	12110	13670	13060
28	13140	13050	13020	12850	12310	11310	12790	13160	12230	12190	13770	12970
29	13160	13100	13080	12900	---	11710	12860	13030	12000	12450	13720	12900
30	13190	13150	12830	12720	---	11390	12960	12910	12230	12600	13640	12840
31	13200	---	12810	12760	---	11440	---	12770	---	12720	13730	---
MAX	13670	13710	13270	12990	13260	12930	13720	13510	13200	13600	13770	13690
MIN	12240	13050	12290	12720	12090	11310	11190	12390	12000	12060	12610	12840
(#)	5718.58	5718.53	5718.18	5718.13	5717.65	5716.69	5718.33	5718.14	5717.57	5718.08	5719.11	5718.21
(*)	-150	-50	-340	-50	-450	-870	+1520	-190	-540	+490	+1010	-890

CAL YR 1994 ..... (*) -160
WTR YR 1995..... (*) -510

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

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in $NE^1/_4SW^1/_4NW^1/_4$ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above sea level from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--83 years, 799 $ft^3/_s$, 578,880 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 $ft^3/_s$ Mar. 31, 1911; maximum gage height, 15.95 ft Dec. 11, 1919 (backwater from ice); minimum, 14 $ft^3/_s$ Oct. 22, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,160 $ft^3/_s$ Aug. 12-14; minimum daily discharge, 117 $ft^3/_s$ Feb. 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	157	150	151	139	253	323	344	679	453	916	960
2	128	156	269	150	185	276	120	346	686	450	919	1000
3	129	156	126	149	235	339	251	433	646	452	1050	935
4	129	155	129	147	257	132	249	629	685	450	1090	815
5	130	154	270	147	271	132	261	346	652	462	1100	777
6	135	154	141	148	645	265	350	333	687	614	1110	803
7	250	213	276	149	310	271	351	615	665	621	1100	799
8	128	287	123	150	349	268	358	609	771	687	1090	800
9	131	133	258	154	352	316	344	613	832	745	1130	770
10	136	132	131	161	274	332	350	662	809	744	1140	713
11	305	138	133	164	364	128	348	296	911	751	1150	712
12	321	150	450	161	259	432	426	617	932	762	1160	703
13	545	153	419	316	281	756	708	630	836	773	1160	613
14	472	297	132	164	260	827	694	606	737	797	1160	525
15	165	266	122	163	133	653	693	344	637	800	1060	535
16	166	140	126	322	337	553	427	322	568	815	1020	489
17	166	138	127	151	134	595	359	321	434	825	1030	440
18	165	282	129	150	134	627	144	688	368	825	1030	440
19	165	153	130	148	135	625	141	691	420	844	938	440
20	165	153	140	276	135	612	269	171	446	817	893	440
21	164	289	150	172	135	608	329	277	521	936	887	385
22	164	146	286	150	322	789	157	319	558	1140	876	341
23	163	150	144	146	246	790	154	611	530	1090	866	343
24	163	151	143	146	328	640	188	587	525	1090	863	346
25	164	150	142	151	117	639	171	591	522	1090	950	338
26	164	151	148	218	118	598	294	644	508	1020	1030	323
27	164	151	149	217	334	502	429	681	492	1020	1020	322
28	169	291	149	146	257	360	270	664	509	1040	1030	325
29	165	156	150	143	---	318	150	690	509	942	1080	325
30	160	153	322	208	---	433	350	672	459	932	1120	327
31	158	---	152	223	---	329	---	671	---	925	1040	---
TOTAL	5854	5355	5716	5441	7046	14398	9658	16023	18534	24912	32008	17084
MEAN	189	178	184	176	252	464	322	517	618	804	1033	569
MAX	545	297	450	322	645	827	708	691	932	1140	1160	1000
MIN	125	132	122	143	117	128	120	171	368	450	863	322
AC-FT	11610	10620	11340	10790	13980	28560	19160	31780	36760	49410	63490	33890

CAL YR 1994 TOTAL 192556 MEAN 528 MAX 1880 MIN 122 AC-FT 381900
WTR YR 1995 TOTAL 162029 MEAN 444 MAX 1160 MIN 117 AC-FT 321400

10080000 BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID

LOCATION.--Lat 42°35'11", long 111°43'51", in NE$^1/_4$SE$^1/_4$NW$^1/_4$ sec. 1, T. 10 S., R. 40 E., Caribou County, Hydrologic Unit 16010202, on left bank 1,000 ft downstream from dam, and 1 mi north of Grace.

PERIOD OF RECORD.--April 1922 to November 1923 (fragmentary): March 1924 to current year. 1945 to 1950 published in reports on Bear River Hydrometric Data, water year 1946 published in WSP 1060. Prior to 1986, not published, records available from Utah Power & Light Co.

GAGE.--Water-stage recorder. Elevation of gage is 5,550 ft above sea level, from topographic map.

REMARKS.--Records fair.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft$^3/_s$ June 10, 1986, gage height, 6.77 ft; minimum, 0.74 ft$^3/_s$ Feb. 2, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 159 ft$^3/_s$ Oct. 17; minimum daily discharge, 1.3 ft$^3/_s$ for many days in March and April.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	110	1.4	2.4	3.5	1.4	1.6	2.7	13	31	24	20
2	5.6	111	1.4	2.4	4.8	1.4	1.8	2.9	15	16	22	24
3	7.6	111	1.5	2.4	2.7	1.4	1.3	2.9	20	22	24	16
4	5.6	56	1.5	2.4	2.2	1.4	1.3	3.5	20	31	25	6.7
5	7.7	4.8	1.5	2.4	2.6	1.4	1.4	3.7	20	31	22	24
6	6.4	13	1.7	2.4	1.7	1.4	1.4	4.5	45	22	29	22
7	4.0	9.0	1.7	2.4	1.7	2.0	1.4	3.9	20	22	29	22
8	3.9	3.0	1.7	2.1	1.7	1.3	1.4	3.8	19	22	25	24
9	4.0	3.1	1.7	1.9	1.6	1.3	1.4	3.6	20	21	24	28
10	4.7	2.8	1.7	2.2	1.6	1.3	1.4	3.5	21	22	25	33
11	21	2.4	1.7	2.6	1.7	1.4	1.5	4.3	20	20	22	27
12	5.3	3.0	1.6	3.2	1.7	1.8	1.5	5.4	19	20	19	26
13	6.7	2.6	1.5	3.4	1.7	1.3	1.5	6.9	19	38	21	27
14	7.1	2.2	6.7	4.7	1.6	1.3	1.5	5.3	19	51	23	27
15	7.4	2.3	2.6	5.5	1.6	1.3	1.5	4.4	20	25	21	25
16	106	2.3	2.2	5.1	1.8	1.5	1.5	4.1	19	24	20	25
17	159	1.9	1.9	4.7	2.0	1.3	1.5	4.0	20	24	20	25
18	157	1.8	2.0	4.7	1.9	2.1	1.5	3.7	20	24	20	25
19	154	1.8	2.1	4.7	1.7	2.6	1.5	4.0	20	20	20	24
20	152	1.9	2.0	4.7	1.7	2.5	1.7	3.8	19	23	22	24
21	151	1.8	2.0	4.6	1.6	1.4	2.1	3.6	18	25	21	21
22	151	1.9	1.8	4.5	1.5	1.3	2.0	21	18	26	23	20
23	150	1.9	1.5	4.3	1.5	1.5	2.0	26	19	31	20	20
24	149	2.0	1.5	4.1	1.5	1.8	2.0	14	19	24	24	19
25	127	1.8	1.5	3.9	1.5	1.3	1.9	14	18	23	24	21
26	94	1.6	1.5	3.0	1.5	1.3	1.9	13	16	28	23	13
27	108	1.5	1.5	2.2	1.4	1.3	2.1	13	17	28	24	1.5
28	109	1.5	1.6	2.1	1.4	1.3	2.2	13	14	23	30	3.1
29	109	1.5	1.8	2.1	---	1.3	2.5	13	20	25	25	5.3
30	110	1.5	9.5	2.0	---	1.3	2.5	13	24	25	37	4.6
31	110	---	2.4	2.2	---	1.3	---	13	---	21	22	---
TOTAL	2200.1	462.9	66.7	101.3	53.4	46.5	50.8	237.5	591	788	730	603.2
MEAN	71.0	15.4	2.15	3.27	1.91	1.50	1.69	7.66	19.7	25.4	23.5	20.1
MAX	159	111	9.5	5.5	4.8	2.6	2.5	26	45	51	37	33
MIN	3.9	1.5	1.4	1.9	1.4	1.3	1.3	2.7	13	16	19	1.5
AC-FT	4360	918	132	201	106	92	101	471	1170	1560	1450	1200

CAL YR 1994	TOTAL	11634.1	MEAN 31.9	MAX 472	MIN 1.3	AC-FT	23080		
WTR YR 1995	TOTAL	5931.4	MEAN 16.3	MAX 159	MIN 1.3	AC-FT	11760		

10086000 ONEIDA NARROWS RESERVOIR AT ONEIDA, ID

LOCATION.--Lat 42°16'34", long 111°44'56", in $SW^1/_4NW^1/_4SE^1/_4$ sec. 23, T. 13 S, R. 40 E., Franklin County, Hydrologic Unit 16010202, 6 mi south of Cleveland.

DRAINAGE AREA (REVISED).--4,455 mi^2.

REVISED RECORDS.--WRD UT-74-1, WDR UT-89-1: Drainage area; WDR UT-88-1: 1987.

PERIOD OF RECORD.--October 1914 to current year. Prior to 1986, published in reports of Bear River Commission.

GAGE.--Elevation of gage is 4,800 ft, Utah Power and Light Co. datum.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,630 acre-ft Oct. 21, elevation, 4882.20 ft; minimum, 9,060 acre-ft, Apr. 12, elevation, 4,877.62 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10220	10320	10000	10060	10150	10020	10140	10160	10160	10030	10070	10040
2	10270	10500	10200	9925	10220	9942	10030	10420	9990	10100	9767	10420
3	10330	10290	9997	10060	10030	9907	10020	10250	10360	10210	9607	10360
4	10360	10050	9973	9966	10080	10110	10160	10470	10170	10290	9576	10300
5	10410	10230	9994	10050	10010	10170	9897	10340	10230	10330	9688	10290
6	10410	10370	10170	9887	10130	10080	10230	10230	10140	10370	10050	10250
7	10560	10290	10140	9931	10080	10070	10350	10500	10300	10170	10170	10280
8	10180	10590	10070	9911	9976	10020	10260	10380	10110	10090	10220	10430
9	10270	10540	10080	9897	9987	10040	10300	10500	9767	10170	10120	10440
10	10370	10380	10120	9828	10050	9904	10150	10450	9876	10230	10220	10140
11	10540	10540	10030	9925	10070	10160	10060	10340	9780	10340	10390	10350
12	10450	10440	10080	9952	9914	10160	9060	10410	10170	10250	10200	10470
13	10610	10410	10020	10110	9983	10380	9698	10560	10170	10210	10490	10290
14	10660	10370	10250	10140	9804	10490	10280	10150	10120	10170	9808	10030
15	10450	10410	9976	10120	10030	10520	10380	10260	9859	10240	9966	10040
16	10470	10370	10050	9904	9839	10490	10280	10050	9969	10350	10120	10060
17	10260	10380	10060	9987	10090	10440	10140	10120	10260	10410	10290	10080
18	10470	10580	10060	10010	9987	10460	10270	10460	10120	10220	10360	10200
19	10480	10500	9987	9897	10030	10480	10330	10380	9870	10130	10320	10220
20	10480	10520	9973	10170	10150	10420	10400	10330	10070	10060	10270	10390
21	10630	10250	10170	10290	10110	10430	10040	10140	9931	9794	10260	10530
22	10470	10140	9863	10040	9976	10330	10430	10320	10290	10350	10130	10600
23	10530	10260	10100	10030	10010	10540	10450	10430	10010	10290	9797	10370
24	10400	10270	10070	10020	10010	10370	10470	10530	10220	10200	10180	10460
25	10540	10420	10000	10140	9931	10150	10530	10360	10220	10120	10230	10550
26	10480	10520	10070	10070	9897	9931	10520	10200	9904	10220	10040	10460
27	10350	10280	9914	10140	9911	9876	10520	9966	10160	10360	10010	10430
28	10380	10020	10140	10150	10010	10440	10430	9987	10170	10220	9900	10490
29	10420	9952	9990	10200	---	10040	10350	9931	9914	10280	10070	10320
30	10430	10110	10120	10070	---	10490	10320	10070	9983	10370	10260	10310
31	10380	---	9952	10190	---	10090	---	10120	---	10280	10090	---
MAX	10660	10590	10250	10290	10220	10540	10530	10560	10360	10410	10490	10600
MIN	10180	9952	9863	9828	9804	9876	9060	9931	9767	9794	9576	10030
(#)	4881.48	4880.72	4880.26	4880.96	4880.43	4880.65	4881.33	4880.74	4880.35	4881.20	4880.65	4881.30
(*)	+240	-270	-158	+238	-180	+80	+230	-200	-137	+297	-190	+220

CAL YR 1994 ..... (*) - 418
WTR YR 1995 ..... (*) +170

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

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

LOCATION.--Lat 42°16'00", long 111°45'04", in $NE^1/_4SE^1/_4NW^1/_4$ sec. 26, T. 13 S., R. 40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant and 6 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi^2.

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above sea level, from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--74 years, 875 $ft^3/_s$, 633,940 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 $ft^3/_s$ May 8, 1922; minimum, 3.0 $ft^3/_s$ June 13, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,390 $ft^3/_s$ Apr. 11; minimum daily discharge, 169 $ft^3/_s$ Dec. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	324	352	329	572	507	673	874	1190	182	765	746
2	236	454	374	263	703	433	597	552	964	187	758	873
3	253	412	451	313	417	643	364	687	1070	196	747	826
4	275	250	508	347	683	632	594	851	684	201	745	833
5	220	191	255	307	420	451	560	810	1110	280	624	595
6	197	369	558	387	912	381	538	871	661	512	610	749
7	183	226	376	396	635	464	710	723	1270	457	691	687
8	574	407	507	376	539	547	696	1030	790	510	806	851
9	282	402	379	393	566	515	705	883	1100	468	903	485
10	307	198	393	552	455	599	646	990	1280	485	803	963
11	432	357	392	438	514	660	1390	1030	1060	506	1040	525
12	582	221	299	500	477	1110	543	807	1150	651	613	514
13	574	302	634	389	387	642	204	918	1080	535	910	694
14	864	352	671	729	599	1380	924	1270	1210	494	1150	620
15	687	424	220	485	381	1190	1010	695	1150	455	691	398
16	260	632	288	452	568	928	1010	891	1110	459	694	391
17	538	225	309	586	262	1020	508	621	693	545	687	364
18	287	393	449	379	649	955	558	566	475	617	812	375
19	419	384	380	337	434	979	530	1050	579	753	601	286
20	356	233	204	345	317	964	610	963	1020	570	715	285
21	359	529	333	536	424	1020	645	662	188	491	813	288
22	290	514	319	356	343	1050	193	465	673	607	985	388
23	562	249	543	365	631	1340	511	728	284	728	695	426
24	255	319	169	301	525	894	361	805	395	810	765	310
25	405	333	523	400	597	1300	439	1030	536	877	652	423
26	225	409	266	354	339	859	458	900	230	643	841	309
27	436	585	364	411	436	885	589	1370	248	780	958	400
28	371	273	269	338	647	425	883	981	502	590	922	432
29	317	607	435	414	---	791	418	963	288	470	964	390
30	339	387	316	236	---	518	496	896	198	609	749	413
31	234	---	442	558	---	741	---	648	---	654	988	---
TOTAL	11515	10961	11978	12572	14432	24823	18363	26530	23188	16322	24697	15839
MEAN	371	365	386	406	515	801	612	856	773	527	797	528
MAX	864	632	671	729	912	1380	1390	1370	1280	877	1150	963
MIN	183	191	169	236	262	381	193	465	188	182	601	285
AC-FT	22840	21740	23760	24940	28630	49240	36420	52620	45990	32370	48990	31420

CAL YR 1994	TOTAL 223155	MEAN 611	MAX 1640	MIN 162	AC-FT 442600			
WTR YR 1995	TOTAL 211220	MEAN 579	MAX 1390	MIN 169	AC-FT 419000			

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NW$^1/_4$NE$^1/_4$ sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above sea level, from topographic map. Prior to Sept. 10, 1982 at datum 2.00 ft higher. Sept. 10, 1982 to Sept. 30, 1985 at datum 10.0 ft lower.

REMARKS.--Records fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft$^3/_s$ June 14, 1984, gage height, 9.20 ft; minimum daily discharge, 48 ft$^3/_s$ May 29, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,750 ft$^3/_s$ June 9; minimum daily discharge, 192 ft$^3/_s$ July 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	296	417	400	564	538	640	776	1280	320	496	768
2	202	230	337	467	664	528	699	678	1400	235	540	411
3	200	420	575	362	717	505	582	865	1240	212	511	761
4	209	411	424	447	483	681	476	835	1440	213	514	705
5	257	228	433	470	576	482	717	1130	1290	192	477	569
6	287	223	440	570	557	495	457	905	1280	254	400	609
7	254	350	447	447	779	449	639	953	1280	355	426	638
8	445	235	507	514	592	556	786	1180	1510	342	482	548
9	348	411	375	539	557	481	731	1070	1750	384	617	639
10	216	401	387	547	479	628	781	1140	1580	429	582	638
11	210	230	402	531	571	685	757	1240	1630	380	547	620
12	413	367	358	558	476	1090	e1500	1170	1350	454	721	472
13	326	343	556	385	378	956	e1350	1290	1660	520	433	613
14	409	347	478	678	561	1040	e800	1540	1620	457	1040	503
15	861	398	537	623	446	1280	e950	1030	1720	409	514	559
16	375	437	314	588	534	1380	e1100	1090	1200	297	452	380
17	375	405	329	502	354	1050	e800	855	941	275	451	385
18	264	255	330	450	528	1000	e700	844	953	363	451	318
19	268	432	421	438	434	1020	e620	1280	876	425	492	376
20	278	316	368	334	452	1070	e550	1240	554	453	418	303
21	267	501	239	409	409	1000	e520	963	612	427	509	297
22	363	420	369	508	475	1210	489	899	459	290	493	307
23	261	318	457	401	508	1130	508	1100	620	518	638	435
24	396	390	435	471	464	1470	473	1220	486	583	430	396
25	222	369	391	371	612	1140	497	1360	471	617	531	333
26	337	366	402	448	451	1170	541	1260	468	563	618	425
27	314	423	401	483	425	972	599	1490	401	449	661	389
28	257	546	330	414	574	671	793	1240	417	540	699	368
29	293	500	413	379	---	874	717	1250	590	428	611	427
30	278	390	311	463	---	467	634	1090	433	331	658	478
31	303	---	490	452	---	887	---	1230	---	453	739	---
TOTAL	9683	10958	12673	14649	14620	26905	21406	34213	31511	12168	17151	14670
MEAN	312	365	409	473	522	868	714	1104	1050	393	553	489
MAX	861	546	575	678	779	1470	1500	1540	1750	617	1040	768
MIN	195	223	239	334	354	449	457	678	401	192	400	297
AC-FT	19210	21740	25140	29060	29000	53370	42460	67860	62500	24140	34020	29100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1995, BY WATER YEAR (WY)

MEAN	1007	1031	1061	1058	1057	1232	1456	1577	1428	1093	969	983
MAX	2850	2983	2552	1904	2556	3264	3594	3968	4263	3442	2416	2545
(WY)	1984	1984	1985	1984	1986	1986	1986	1986	1986	1983	1984	1986
MIN	250	298	310	412	351	351	403	357	333	393	461	192
(WY)	1993	1993	1982	1993	1993	1991	1992	1988	1989	1995	1993	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1971 - 1995	
ANNUAL TOTAL	184676		220607			
ANNUAL MEAN	506		604		1163	
HIGHEST ANNUAL MEAN					2728	1984
LOWEST ANNUAL MEAN					505	1992
HIGHEST DAILY MEAN	1280	Mar 23	1750	Jun 9	4830	Jun 21 1983
LOWEST DAILY MEAN	184	Sep 30	192	Jul 5	48	May 29 1988
ANNUAL SEVEN-DAY MINIMUM	205	Sep 28	229	Oct 1	69	Oct 31 1981
ANNUAL RUNOFF (AC-FT)	366300		437600		842300	
10 PERCENT EXCEEDS	788		1170		2320	
50 PERCENT EXCEEDS	470		489		908	
90 PERCENT EXCEEDS	259		303		321	

e Estimated

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: May 1986 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 18,600 mg/L, Mar. 24, 1989; minimum daily mean, 6 mg/L, Oct. 22, 1990, Nov. 11, 1992.

SEDIMENT LOADS: Maximum daily, 59,900 tons, Mar. 12, 1989; minimum daily, 2.3 tons, Oct. 19, 1989, Oct. 22, 1990.

EXTREMES FOR CURRENT YEAR:

SEDIMENT CONCENTRATIONS: Maximum daily mean, 302 mg/L, Nov. 9; minimum daily mean, 13 mg/L, July. 5.

SEDIMENT LOADS: Maximum daily, 900 tons, June 9; minimum daily, 6.7 tons, July 5.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	217	115	127	124	e32	e36	e31	e33	e267	e406	e52	e76
2	219	119	78	48	e25	e23	e36	e46	e279	e501	e49	e70
3	172	93	288	432	e64	e100	e28	e27	e286	e553	e43	e58
4	131	74	241	327	e33	e38	e35	e42	e255	e332	e109	e200
5	210	148	74	46	e33	e39	e37	e47	e268	e417	e38	e50
6	223	186	86	52	e35	e41	e62	e96	e265	e399	e40	e54
7	220	153	165	159	e35	e42	e249	e300	e293	e616	e35	e43
8	247	328	160	104	e43	e59	e259	e360	e270	e432	e58	e87
9	158	148	302	426	e29	e29	e262	e382	e265	e399	e38	e50
10	187	109	243	314	e30	e31	e264	e390	e254	e328	e84	e143
11	148	84	104	64	e30	e33	e262	e375	e267	e412	e111	e205
12	242	328	193	220	e27	e26	e265	e400	e254	e326	e149	e438
13	204	197	180	169	e58	e87	e232	e241	e228	e233	e143	e370
14	116	176	61	73	e38	e49	e281	e515	e266	e403	e147	e412
15	284	691	84	115	e52	e75	e274	e461	e248	e299	e156	e540
16	139	188	159	225	e24	e20	e69	e109	e262	e378	e160	e595
17	149	222	e31	e34	e25	e22	e42	e57	e214	e205	e147	e418
18	e81	e58	e17	e12	e25	e22	e35	e43	e261	e372	e145	e392
19	e143	e117	e33	e39	e33	e37	e34	e40	e247	e289	e146	e402
20	126	103	e23	e20	e28	e28	e24	e22	e250	e305	e148	e428
21	94	82	e41	e56	e17	e11	e32	e35	e243	e268	e145	e392
22	168	213	e33	e37	e28	e28	e44	e60	e253	e325	e111	e381
23	116	87	e23	e20	e36	e44	e30	e33	e258	e354	104	322
24	192	273	e29	e31	e34	e40	e37	e47	e251	e315	200	831
25	118	72	e28	e28	e30	e32	e225	e225	e78	e129	147	462
26	188	207	e27	e27	e30	e33	e249	e301	e35	e43	120	380
27	186	196	e32	e37	e30	e33	e255	e332	e33	e38	126	345
28	164	117	e54	e80	e25	e22	e243	e272	e52	e81	115	218
29	159	140	e41	e56	e32	e36	e229	e234	---	---	164	401
30	135	117	e29	e31	e23	e19	e251	e314	---	---	106	153
31	140	135	---	---	e39	e52	e250	e305	---	---	137	355
TOTAL	---	5276	---	3406	---	1187	---	6144	---	9158	---	9271

e Estimated

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	146	259	51	118	89	327	e23	e20	e40	e54	144	316
2	118	241	65	121	89	375	e16	e10	e57	e83	85	112
3	130	221	71	178	88	315	e15	e8.3	e44	e61	95	214
4	104	155	96	222	98	396	e15	e8.4	e45	e63	102	207
5	221	445	111	342	105	409	e13	e6.7	e38	e49	102	182
6	115	156	117	304	104	397	e17	e12	e31	e33	145	261
7	e163	e291	106	281	121	449	e27	e26	e33	e38	85	177
8	e135	e287	120	392	153	624	e26	e24	e38	e50	90	145
9	e132	e261	176	544	178	900	e29	e30	e80	e133	96	171
10	e135	e285	140	446	188	821	e33	e38	e67	e105	114	226
11	e133	e273	137	465	135	618	e29	e30	288	425	113	224
12	e163	e663	192	618	126	500	e36	e44	e285	e554	92	125
13	e158	e578	173	638	e169	e756	e47	e66	e157	e183	120	216
14	e136	e294	158	653	e167	e732	e36	e44	310	870	66	98
15	e143	e367	116	328	e170	e791	e32	e35	227	315	47	78
16	e149	e443	139	417	159	522	e21	e17	112	137	33	34
17	e136	e294	119	293	146	389	e20	e15	210	256	33	34
18	e118	e224	100	255	141	380	e28	e27	e174	e213	31	27
19	e81	e136	124	442	118	294	e33	e38	e221	e293	32	34
20	e56	e83	146	483	134	201	e35	e43	e142	e161	22	18
21	e47	e66	e143	e373	121	200	e33	e38	e242	e333	19	15
22	27	37	e140	e341	104	126	e20	e16	e222	e296	20	16
23	33	48	e149	e443	99	184	e46	e65	e274	e472	35	43
24	35	46	e154	e507	97	123	e67	e106	e154	e179	25	28
25	33	46	e159	e584	e37	e47	e80	e133	e258	e370	21	19
26	32	48	e155	e529	e37	e47	e60	e91	e270	e452	33	40
27	38	64	119	493	e30	e33	e35	e43	e276	e494	28	32
28	54	118	120	420	e32	e36	e53	e77	e281	e532	25	26
29	63	123	116	405	e70	e111	e33	e38	154	281	29	35
30	51	92	105	330	e33	e39	e25	e22	162	324	36	52
31	---	---	100	385	---	---	e35	e43	136	324	---	---
TOTAL	---	6644	---	12350	---	11142	---	1214.4	---	8133	---	3205
YEAR	77130.4											

e Estimated

10102250 BEAR RIVER NEAR SMITHFIELD, UT

LOCATION.--Lat 41°50'24", long 111°52'51", in NW$^1/_4$SW$^1/_4$NE$^1/_4$ sec. 30, R. 1 E., T. 13 N., Cache County, Cache Hydrologic Unit 16010202, on the left abutment of abandoned highway bridge, 0.6 miles upstream from the mouth of Summit Creek, and 2.6 miles west of Smithfield.

DRAINAGE AREA.--5,193 mi^2.

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

PERIOD OF RECORD.--April 1964 to September 1978, October 1989 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 4,399.89 ft above sea level (Utah State Highway benchmark).

REMARKS.--Records fair except for estimated 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, 5,850 ft$^3/_s$ June 13, 14, 1971, gage height, 14.46 ft; minimum, 75 ft$^3/_s$ Apr. 26, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,690 ft$^3/_s$ June 9; minimum daily discharge, 249 ft$^3/_s$ Nov. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	302	453	508	772	969	1300	1120	e2260	e500	e584	810
2	312	333	437	512	944	912	1130	1320	e2410	e420	624	781
3	318	320	401	553	1050	890	1080	1290	e2300	e360	637	690
4	316	374	525	514	899	1050	942	1460	e2470	e420	615	815
5	346	337	492	589	812	1210	988	1580	e2400	e450	610	e750
6	400	249	471	630	782	993	1180	1710	e2310	e490	554	e630
7	425	277	523	713	943	859	1050	1740	e2410	e460	501	e670
8	368	332	461	657	923	830	1270	1690	e2560	e480	522	e620
9	524	308	520	664	842	890	1370	1760	e2690	e500	600	e670
10	392	342	431	769	794	890	1360	1750	e2570	e480	683	e630
11	315	334	461	940	730	1030	1280	1800	e2600	e520	640	e570
12	314	298	446	897	769	1520	1460	1950	e2420	e560	707	e620
13	483	366	438	771	720	2010	1480	2000	e2350	e540	620	e590
14	494	359	570	712	662	1860	853	2090	e2520	e510	651	e550
15	677	332	619	1000	807	1720	1170	2140	e2600	e420	865	e590
16	676	377	509	858	677	1560	1450	2080	e2640	e370	582	e510
17	402	483	387	812	785	1680	1510	2040	e1620	e320	526	e450
18	470	344	413	732	578	1630	1300	2000	e1160	e400	501	e390
19	348	307	445	629	831	1660	1100	2010	e1070	e460	582	e410
20	375	420	490	609	765	1580	1020	2060	e940	e500	490	e330
21	398	349	510	532	700	1570	1070	2120	e820	e450	512	e400
22	367	526	365	668	754	1640	1180	2110	e710	e505	534	e460
23	355	456	507	641	793	1770	888	2100	e800	e570	644	e440
24	391	369	635	619	905	1620	911	2170	e630	e610	626	e460
25	358	440	627	696	907	1780	824	2210	e560	e640	540	440
26	334	475	583	678	989	1780	871	e2240	e500	e580	561	438
27	335	492	512	647	854	1700	905	e2330	e560	e510	701	480
28	360	580	510	653	877	1580	1010	e2220	e620	e550	715	474
29	319	531	450	606	---	1220	1230	e2140	e690	e510	743	451
30	317	606	538	620	---	1360	1170	e2160	e630	e430	710	532
31	307	---	402	604	---	1030	---	e2180	---	e510	695	---
TOTAL	12114	11618	15131	21033	22864	42793	34352	59570	50820	15025	19075	16651
MEAN	391	387	488	678	817	1380	1145	1922	1694	485	615	555
MAX	677	606	635	1000	1050	2010	1510	2330	2690	640	865	815
MIN	307	249	365	508	578	830	824	1120	500	320	490	330
AC-FT	24030	23040	30010	41720	45350	84880	68140	118200	100800	29800	37840	33030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	873	946	1093	1182	1096	1359	1567	1822	1545	978	905	902
MAX	2145	2034	2097	2262	2078	2585	2921	3536	4844	2153	1462	1855
(WY)	1976	1976	1972	1972	1972	1972	1976	1971	1971	1971	1971	1971
MIN	280	239	377	411	450	475	468	618	652	485	582	239
(WY)	1978	1993	1991	1991	1991	1991	1977	1994	1969	1995	1993	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	227350		321046			
ANNUAL MEAN	623		880		1189	
HIGHEST ANNUAL MEAN					2209	1972
LOWEST ANNUAL MEAN					559	1992
HIGHEST DAILY MEAN	1600	Feb 28	2690	Jun 9	5810	Jun 14 1971
LOWEST DAILY MEAN	249	Nov 6	249	Nov 6	79	Apr 26 1977
ANNUAL SEVEN-DAY MINIMUM	306	Nov 6	306	Nov 6	157	Apr 22 1977
ANNUAL RUNOFF (AC-FT)	450900		636800		861500	
10 PERCENT EXCEEDS	895		1970		2170	
50 PERCENT EXCEEDS	601		637		990	
90 PERCENT EXCEEDS	356		366		421	

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.--

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

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above sea level, from topographic map. Prior to Aug. 11, 1994, 50 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow affected by small diversions for irrigation and flow from a fish hatchery above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft^3/s May 7, 1993, gage height, 10.13 ft, site and datum then in use; minimum daily discharge, 4.4 ft^3/s Feb. 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 818 ft^3/s Mar. 11, gage height, 9.84 ft; minimum daily discharge, 2.0 ft^3/s Aug. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	27	32	25	68	71	103	351	417	69	e25	21
2	30	29	33	27	130	66	107	500	449	63	e25	21
3	28	29	33	31	74	96	140	475	498	61	25	22
4	25	29	39	30	59	168	209	399	453	57	26	24
5	35	30	40	34	55	92	292	395	420	52	24	26
6	33	30	38	34	53	72	386	431	470	49	25	25
7	27	33	36	33	52	63	398	382	384	47	25	25
8	27	34	34	34	51	65	550	348	440	46	23	24
9	27	30	29	35	50	68	425	342	462	44	24	24
10	27	31	32	42	49	159	316	356	396	40	22	23
11	27	31	31	83	49	631	268	430	325	42	23	22
12	27	37	32	49	48	342	258	552	343	44	22	22
13	27	36	34	46	47	150	292	473	401	45	22	22
14	33	31	32	55	48	116	408	406	415	e46	25	23
15	50	30	32	68	46	128	313	367	385	e44	24	23
16	40	33	32	55	47	130	271	383	332	e41	22	22
17	37	31	33	49	47	103	263	398	283	e38	21	23
18	38	32	33	46	49	106	249	428	254	e36	21	23
19	36	29	33	44	50	144	239	411	235	e34	21	23
20	34	30	30	41	54	101	236	432	213	e32	22	23
21	32	32	31	38	58	137	216	451	192	e31	23	23
22	32	25	31	34	61	162	198	512	167	e29	23	23
23	32	25	33	34	67	172	187	525	147	e28	23	23
24	31	28	34	40	74	171	186	498	116	e28	26	23
25	30	31	37	41	81	129	193	472	105	e27	23	22
26	29	32	39	43	92	107	203	488	94	e26	22	23
27	28	30	37	44	98	99	206	457	86	e26	21	29
28	28	30	36	41	83	84	268	407	93	e26	21	29
29	28	30	36	38	---	84	294	373	84	e25	20	36
30	28	31	34	39	---	81	394	373	75	e25	22	41
31	28	---	29	41	---	89	---	382	---	e25	21	---
TOTAL	964	916	1045	1294	1740	4186	8068	13197	8734	1226	712	733
MEAN	31.1	30.5	33.7	41.7	62.1	135	269	426	291	39.5	23.0	24.4
MAX	50	37	40	83	130	631	550	552	498	69	26	41
MIN	25	25	29	25	46	63	103	342	75	25	20	21
AC-FT	1910	1820	2070	2570	3450	8300	16000	26180	17320	2430	1410	1450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	23.7	25.6	25.5	28.6	37.2	131	242	301	150	26.3	18.5	20.4
MAX	31.1	30.5	33.7	41.7	62.1	173	269	426	291	39.5	23.0	24.4
(WY)	1995	1995	1995	1995	1995	1993	1995	1995	1995	1995	1995	1995
MIN	16.5	20.6	19.0	17.5	14.8	85.8	219	113	19.7	19.1	12.7	16.3
(WY)	1993	1993	1993	1993	1993	1994	1993	1994	1994	1993	1993	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	20495.7		42815			
ANNUAL MEAN	56.2		117		86.0	
HIGHEST ANNUAL MEAN					117	1995
LOWEST ANNUAL MEAN					54.3	1994
HIGHEST DAILY MEAN	489	Apr 22	631	Mar 11	768	May 7 1993
LOWEST DAILY MEAN	9.8	Jul 4	20	Aug 29	4.4	Feb 10 1993
ANNUAL SEVEN-DAY MINIMUM	10	Jun 29	21	Aug 27	6.9	Feb 5 1993
ANNUAL RUNOFF (AC-FT)	40650		84920		62300	
10 PERCENT EXCEEDS	126		395		281	
50 PERCENT EXCEEDS	30		41		28	
90 PERCENT EXCEEDS	19		23		14	

e Estimated

10108400 LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

LOCATION.--Lat 41°44'35", long 111°45'40", in $NE^1/_4NW^1/_4NE^1/_4$ sec. 31, T. 12 N., R. 2 E., Cache County, Hydrologic Unit 16010203, Cache National Forest, on left bank 487 ft downstream from head and 3.8 mi east of Logan.

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

GAGE.--Water-stage recorder and 8-ft concrete Parshall flume. Datum of gage is 4,858.69 ft above sea level (Bureau of Public Roads bench mark).

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

AVERAGE DISCHARGE.--32 years, 22.8 $ft^3/_s$, 16,520 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 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	11	.27	e.00	e.00	e.00	e.00	.00	22	42	49	45
2	23	11	.27	e.00	e.00	e.00	e.00	.00	21	41	48	47
3	22	11	.27	e.00	e.00	e.00	e.00	.00	16	42	48	50
4	21	11	.22	e.00	e.00	e.00	e.00	.00	13	41	48	50
5	15	11	.18	e.00	e.00	e.00	e.00	.00	13	40	48	49
6	11	11	.18	e.00	e.00	e.00	e.00	.00	5.1	45	48	46
7	11	11	.18	e.00	e.00	e.00	e.00	.00	3.5	50	48	44
8	11	10	.18	e.00	e.00	e.00	e.00	.00	3.1	50	48	47
9	11	10	e.00	e.00	e.00	e.00	e.00	.00	2.6	50	48	47
10	11	10	e.00	e.00	e.00	e.00	e.00	.00	2.4	49	49	46
11	11	10	e.00	e.00	e.00	e.00	e.00	.00	2.2	49	51	46
12	11	10	e.00	e.00	e.00	e.00	e.00	.00	16	49	51	46
13	11	10	e.00	e.00	e.00	e.00	e.00	.00	24	48	51	46
14	11	10	e.00	e.00	e.00	e.00	e.00	.74	23	48	50	46
15	11	10	e.00	e.00	e.00	e.00	e.00	.28	24	48	50	46
16	11	9.4	e.00	e.00	e.00	e.00	.00	.27	19	48	50	46
17	11	9.2	e.00	e.00	e.00	e.00	.00	7.2	16	48	49	46
18	11	9.1	e.00	e.00	e.00	e.00	.00	22	15	48	50	46
19	11	9.1	e.00	e.00	e.00	e.00	.00	28	26	51	49	43
20	11	4.6	e.00	e.00	e.00	e.00	.00	28	30	51	49	39
21	11	.38	e.00	e.00	e.00	e.00	.00	26	31	50	48	43
22	11	.38	e.00	e.00	e.00	e.00	.00	23	35	49	48	45
23	11	.38	e.00	e.00	e.00	e.00	.00	20	36	48	49	40
24	11	.38	e.00	e.00	e.00	e.00	.00	18	36	49	50	40
25	11	.38	e.00	e.00	e.00	e.00	.00	15	34	49	52	36
26	11	.38	e.00	e.00	e.00	e.00	.00	15	33	50	55	36
27	11	.38	e.00	e.00	e.00	e.00	.00	11	40	50	55	35
28	11	.38	e.00	e.00	e.00	e.00	.00	8.7	42	50	54	35
29	11	.38	e.00	e.00	---	e.00	.00	8.4	42	50	54	35
30	11	.37	e.00	e.00	---	e.00	.00	14	42	50	54	33
31	11	---	e.00	e.00	---	e.00	---	19	---	50	50	---
TOTAL	390	202.19	1.75	0.00	0.00	0.00	0.00	264.59	667.9	1483	1551	1299
MEAN	12.6	6.74	.056	.000	.000	.000	.000	8.54	22.3	47.8	50.0	43.3
MAX	23	11	.27	.00	.00	.00	.00	28	42	51	55	50
MIN	11	.37	.00	.00	.00	.00	.00	.00	2.2	40	48	33
AC-FT	774	401	3.5	.00	.00	.00	.00	525	1320	2940	3080	2580

CAL YR 1994	TOTAL	6397.76	MEAN 17.5	MAX	53	MIN	.00	AC-FT	12690
WTR YR 1995	TOTAL	5859.43	MEAN 16.1	MAX	55	MIN	.00	AC-FT	11620

e Estimated

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT

LOCATION.--Lat 41°44'36", long 111°46'55", in NW$^1/_4$NW$^1/_4$NE$^1/_4$ sec. 36, T. 12 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on left bank 0.5 mi upstream from State dam, and 2.5 mi east of Logan.

DRAINAGE AREA.--214 mi^2.

PERIOD OF RECORD.--June 1896 to current year. Published as Logan River near Logan prior to 1913. Records since May 1913 equivalent to earlier records, if records for Utah Power & Light Co.'s tailrace near Logan (station 10108000) are added. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,680 ft above sea level, from topographic map. Prior to May 7, 1913, nonrecording gage at various sites within 0.5 mi downstream at different datums. May 7, 1913, to Sept. 3, 1938, water-stage recorder at present site at different datums.

REMARKS.--Records fair. Flow affected by regulation and diversions above station for power, irrigation, and municipal culinary supply. Utah Power and Light Co. stopped diverting water from river November 1970 at which time the tailrace station (station 10108000) was discontinued. During 1963, site for gaging station for Logan, Hyde Park and Smithfield Canal (station 10108400) was relocated. Records for combined flow since that time are equivalent to previous records. For record of combined flow, see following page.

AVERAGE DISCHARGE.--River only: 82 years (water years 1914-95), 146 ft$^3/_s$, 105,800 acre-ft/yr.
Combined river and canal: 99 years, 269 ft$^3/_s$, 194,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft$^3/_s$ Mar. 21, 1916, gage height, 5.6 ft; minimum, 5.2 ft$^3/_s$ Feb. 26, 1986, result of hydro-electric plant testing.

Combined river and canal: Maximum discharge observed, 2,480 ft$^3/_s$ May 24, 1907; minimum daily, 50 ft$^3/_s$ Jan. 21, 1935.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 1,280 ft$^3/_s$ June 15, gage height, 4.81 ft; minimum daily discharge, 62 ft$^3/_s$, Jan. 1.

Combined river and canal: Maximum daily discharge, 1,240 ft$^3/_s$ June 15; minimum daily discharge, 62 ft$^3/_s$ Jan. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	98	87	62	90	107	147	247	786	820	332	221
2	100	104	87	75	98	107	152	282	853	789	325	219
3	102	99	88	69	96	105	161	276	981	802	317	219
4	104	90	91	77	94	111	183	275	995	777	311	218
5	112	100	90	92	95	106	221	287	969	739	309	217
6	112	101	90	84	93	101	253	309	1080	712	304	215
7	103	100	87	84	95	100	257	297	944	701	299	213
8	101	100	80	82	93	104	275	290	988	694	286	212
9	100	97	82	82	94	102	250	300	877	680	288	211
10	99	95	82	86	92	103	228	337	806	666	288	210
11	101	96	81	87	94	147	212	389	796	653	285	208
12	99	97	83	84	93	192	207	431	881	641	279	205
13	98	96	84	84	90	171	219	399	1050	625	275	200
14	105	94	81	86	95	158	251	368	1190	591	270	199
15	115	88	81	91	85	158	240	341	1240	558	267	201
16	103	97	84	87	86	167	230	392	1200	532	263	196
17	103	94	84	87	88	166	227	438	1130	512	256	197
18	106	91	85	86	93	175	222	506	1050	496	252	195
19	101	87	84	83	89	194	227	532	1010	479	248	195
20	99	95	81	78	92	182	213	589	992	464	245	191
21	102	85	82	77	95	230	210	669	1010	453	243	189
22	99	78	83	75	97	236	203	783	962	443	248	190
23	98	79	86	74	99	204	196	825	927	425	244	190
24	101	88	87	83	98	192	194	711	929	407	243	187
25	100	88	87	84	103	180	195	636	943	395	239	186
26	99	87	87	86	106	166	192	625	937	386	235	186
27	100	84	86	84	111	161	193	579	940	376	231	183
28	101	86	86	84	109	156	212	549	913	365	229	182
29	102	85	85	76	---	151	234	552	883	358	227	183
30	100	86	83	82	---	147	254	590	848	349	225	181
31	98	---	68	86	---	147	---	682	---	343	223	---
TOTAL	3166	2765	2612	2537	2663	4726	6458	14486	29110	17231	8286	5999
MEAN	102	92.2	84.3	81.8	95.1	152	215	467	970	556	267	200
MAX	115	104	91	92	111	236	275	825	1240	820	332	221
MIN	98	78	68	62	85	100	147	247	786	343	223	181
AC-FT	6280	5480	5180	5030	5280	9370	12810	28730	57740	34180	16440	11900

CAL YR 1994	TOTAL	52453	MEAN	144	MAX	595	MIN	68	AC-FT 104000
WTR YR 1995	TOTAL	100039	MEAN	274	MAX	1240	MIN	62	AC-FT 198400

LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT--Continued

10109001 COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	94	87	61	88	101	140	251	800	807	325	226
2	99	100	87	74	96	102	146	298	862	776	318	224
3	100	95	88	67	94	100	156	290	981	789	310	224
4	103	88	91	77	91	105	178	288	993	764	307	223
5	108	97	90	92	91	101	221	305	971	726	304	222
6	108	98	90	84	89	95	259	335	1070	699	298	220
7	100	96	87	84	92	95	264	320	948	689	292	218
8	97	97	79	81	89	98	286	307	989	682	279	217
9	96	94	81	82	90	95	255	323	888	668	282	215
10	95	92	82	86	88	96	226	364	820	654	285	215
11	97	93	81	87	90	141	209	413	811	641	280	213
12	95	94	83	83	89	187	202	455	893	630	275	210
13	94	93	84	84	86	165	216	425	1050	613	272	204
14	101	92	80	86	92	152	255	395	1180	580	267	201
15	111	86	80	91	81	151	240	370	1220	548	264	204
16	100	95	83	87	82	161	228	420	1180	522	260	198
17	99	92	83	86	83	160	223	462	1120	502	254	200
18	103	89	84	85	90	169	219	527	1030	487	251	198
19	98	85	83	81	84	189	224	553	994	469	248	197
20	96	93	79	75	87	177	209	608	977	455	245	194
21	98	83	81	74	89	228	205	683	993	444	243	192
22	95	76	82	72	92	234	198	791	947	435	248	193
23	95	77	84	71	94	198	190	828	913	416	244	193
24	97	86	86	80	93	187	188	723	915	399	245	190
25	96	86	86	81	97	174	189	654	928	387	242	189
26	95	85	86	83	100	160	186	643	922	378	238	189
27	97	82	84	82	105	153	188	601	925	369	235	186
28	97	85	84	82	104	148	206	571	899	357	232	184
29	98	85	84	74	---	144	232	574	868	350	230	185
30	96	86	83	80	---	139	259	613	835	341	229	183
31	94	---	67	84	---	140	---	702	---	336	228	---
TOTAL	3060	2694	2589	2496	2546	4545	6397	15092	28922	16913	8230	6107
MEAN	98.7	89.8	83.5	80.5	90.9	147	213	487	964	546	265	204
MAX	111	100	91	92	105	234	286	828	1220	807	325	226
MIN	94	76	67	61	81	95	140	251	800	336	228	183
AC-FT	6070	5340	5140	4950	5050	9020	12690	29930	57370	33550	16320	12110

CAL YR 1994 TOTAL 58057 MEAN 159 MAX 641 MIN 67 AC-FT 115200
WTR YR 1995 TOTAL 99591 MEAN 273 MAX 1220 MIN 61 AC-FT 197500

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT

LOCATION.--Lat 41°37'25", long 111°44'17", in $SE^1/_4NE^1/_4NE^1/_4$ sec. 8, T. 10 N., R. 2 E., Cache County, Hydrologic Unit 16010203 on right bank 1.1 mi upstream from diversion dam, and 6 mi east of Hyrum.

DRAINAGE AREA.--263 mi^2.

PERIOD OF RECORD.--October 1913 to current year. Monthly discharge only for October 1913, published in WSP 1314.

REVISED RECORDS.--WSP 1514: 1925. WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,020 ft above sea level, from topographic map. Oct. 2, 1934 to May 27, 1987 at site 1,200 ft downstream at different datum. Prior to Oct. 2, 1934, at site 200 ft down-stream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. A few small diversions for irrigation of about 200 acres above station. Flow is slightly regulated by powerplant above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,650 $ft^3/_s$ May 14, 1984, gage height, 7.12 ft, site and datum then in use; minimum, 4.7 $ft^3/_s$ Nov. 28, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Mar. 11	2240	*392	*5.89	May 11	2330	304	5.49
Mar. 22	2325	282	5.38	May 23	1130	321	5.57
Apr. 8	1425	280	5.37				

Minimum discharge, 19 $ft^3/_s$ Dec. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	63	60	e52	65	87	138	227	237	149	122	109
2	62	64	60	e57	72	85	139	260	238	149	121	109
3	63	63	60	e54	72	84	140	245	246	149	121	110
4	64	62	60	e62	69	96	146	234	235	146	121	109
5	68	64	60	e70	70	89	166	241	227	143	120	110
6	68	65	62	e68	69	85	190	259	230	139	119	109
7	64	65	60	e60	70	82	217	249	222	136	119	108
8	63	66	57	e56	69	83	261	239	252	135	119	108
9	63	64	58	e58	68	86	221	241	248	133	121	108
10	62	64	59	e58	68	94	191	253	240	132	119	107
11	62	63	58	e58	68	248	179	281	225	141	120	107
12	62	65	57	e58	68	257	173	290	216	150	119	107
13	61	64	59	e58	68	192	195	269	210	147	118	106
14	63	61	58	e62	71	174	236	249	204	145	118	106
15	71	61	57	e69	66	183	203	237	202	143	117	105
16	65	63	58	e65	66	188	193	245	197	141	116	105
17	63	63	57	e63	66	173	190	252	195	141	116	106
18	65	62	58	e62	70	177	186	259	194	140	115	106
19	63	59	e58	e60	71	205	187	265	186	140	115	105
20	62	59	e59	e58	73	180	181	272	179	138	115	104
21	62	61	e61	56	75	209	175	276	175	138	115	104
22	62	56	e63	52	76	234	174	297	172	137	116	105
23	62	53	e64	54	78	194	172	303	166	136	117	105
24	62	58	e65	57	80	187	170	284	163	134	115	105
25	62	59	e64	58	83	174	172	275	160	133	114	104
26	62	61	e64	59	86	164	175	275	156	131	113	104
27	62	60	e64	59	91	157	178	267	153	130	112	104
28	62	61	e62	59	89	151	197	253	156	127	112	104
29	62	60	e61	58	---	146	208	244	153	123	112	105
30	62	60	e56	59	---	143	246	239	149	123	112	105
31	63	---	e53	61	---	140	---	237	---	123	111	---
TOTAL	1960	1849	1852	1840	2037	4747	5599	8017	5986	4272	3620	3189
MEAN	63.2	61.6	59.7	59.4	72.7	153	187	259	200	138	117	106
MAX	71	66	65	70	91	257	261	303	252	150	122	110
MIN	61	53	53	52	65	82	138	227	149	123	111	104
AC-FT	3890	3670	3670	3650	4040	9420	11110	15900	11870	8470	7180	6330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 1995, BY WATER YEAR (WY)

MEAN	92.1	86.7	81.8	78.3	81.1	103	215	296	171	122	106	96.2
MAX	192	174	159	148	269	356	566	940	494	284	239	209
(WY)	1985	1985	1984	1984	1986	1986	1946	1984	1984	1984	1984	1984
MIN	42.6	41.2	40.7	42.9	43.5	47.3	63.9	58.6	49.7	45.1	40.9	40.2
(WY)	1993	1993	1991	1991	1942	1942	1931	1934	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1919 - 1995	
ANNUAL TOTAL	30870		44968			
ANNUAL MEAN	84.6		123		128	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					53.0	1941
HIGHEST DAILY MEAN	274	Apr 22	303	May 23	1530	May 15 1984
LOWEST DAILY MEAN	53	Nov 23	52	Jan 1	26	Dec 23 1990
ANNUAL SEVEN-DAY MINIMUM	58	Dec 11	56	Jan 20	35	Dec 19 1990
ANNUAL RUNOFF (AC-FT)	61230		89190		92480	
10 PERCENT EXCEEDS	136		237		228	
50 PERCENT EXCEEDS	68		108		95	
90 PERCENT EXCEEDS	60		59		56	

e Estimated

10116500 CUTLER RESERVOIR NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'13", long 112°02'51", in $NW^1/_4NW^1/_4SW^1/_4$ sec. 26, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, 2 mi north of Beaver Dam, 6 mi north of Collinston.

DRAINAGE AREA (REVISED).--6,265 mi^2.

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, Utah Power and Light Co. datum.

REMARKS.--New capacity table being used from Oct. 1, 1992.

COOPERATION.--Records provided by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 16,870 acre-ft Dec. 15, elevation, 4,407.70 ft; minimum, 8,119 acre-ft June 27, elevation, 4,406.35 ft.

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13960	13620	15020	13960	15380	14670	15020	14670	12930	14670	13620	13620
2	13620	15380	13960	15020	13960	14310	14310	15020	12930	15020	13620	14670
3	14310	13960	15020	13960	15380	15380	13270	14670	13270	15020	13620	15020
4	14310	13960	14670	13270	13270	15380	13270	15380	13960	15020	13620	15020
5	15020	13960	15380	12930	14310	13960	14310	13270	15380	15020	13620	15380
6	15020	13620	15380	13960	13960	15020	14310	14670	15380	15380	13620	15380
7	15380	14670	15380	15380	13960	15020	15020	12590	13270	14670	13270	15020
8	12930	15020	14670	13620	14310	14310	12590	12590	13270	12260	12590	13270
9	14310	15020	14670	13960	13960	14310	13270	13620	13960	12260	12260	13960
10	15380	14310	13960	14670	14310	15020	13270	11930	14670	15020	12260	12590
11	13270	15020	13960	15380	14310	13620	14670	13960	13960	15380	12590	13620
12	14310	14310	15020	13960	12590	14670	14670	14670	12930	13270	12930	13620
13	15380	15020	15380	15020	15380	15380	15380	15380	12590	13270	13620	13620
14	14670	14670	14670	15020	12930	15750	13960	15380	12930	13270	13270	12260
15	15020	13960	16870	15020	11930	13960	14670	15020	13960	13270	13960	11930
16	14310	13960	15380	15020	13960	14670	13270	14670	13960	12930	14310	12930
17	14670	15020	13960	13960	14670	14310	14670	13960	13960	11600	13620	12930
18	15380	13270	13960	14670	13270	14310	14670	13960	13960	11090	12930	12590
19	15380	13960	13620	13620	14670	14310	13270	14310	11930	10840	12260	11930
20	15380	15380	13620	13960	15020	14670	14670	15020	12930	10840	11930	11930
21	15380	15020	14670	14670	15020	14670	15020	15020	11930	11150	10970	11930
22	13960	15020	13960	13620	15380	14670	13620	14670	10970	11600	10650	11930
23	13960	15380	14670	15020	15380	14310	14310	15020	11930	11280	10650	15380
24	15380	13270	13620	15020	15380	14670	14310	15020	13620	11930	11280	12930
25	14670	14670	15020	15380	13620	14310	14310	13960	8910	12930	10970	13620
26	15020	15380	14670	13960	14310	13960	13620	13960	8910	13270	10970	13960
27	15020	13960	14310	15020	15020	13270	13620	12930	8119	13960	10970	14670
28	14670	15020	13270	13960	14310	14670	14670	12930	8910	14310	11600	14670
29	14670	15020	14310	13960	---	12930	13960	12930	12590	14670	11930	13620
30	14310	15020	14670	14310	---	13270	13960	11930	14670	14310	12590	14310
31	13270	---	12930	15020	---	15020	---	11930	---	13620	13270	---
MAX	15380	15380	16870	15380	15380	15750	15380	15380	15380	15380	14310	15380
MIN	12930	13270	12930	12930	11930	12930	12590	11930	8119	10840	10650	11930
(#)	4407.20	4407.45	4407.15	4407.45	4407.35	4407.45	4407.30	4407.00	4407.40	4407.25	4407.20	4407.35
(*)	-1370	+1750	-2090	+2090	-710	+710	-1060	-2030	+2740	-1050	-350	+1040

CAL YR 1994 ..... (*) -660
WTR YR 1995..... (*) -330

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

10117000 HAMMOND (EAST SIDE) CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'51", long 112°03'24", in SE$^1/_4$ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collingston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records fair. Canal diverts from east side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--81 years (water years 1913-81, 1983-95), 52.1 ft$^3/_s$, 37,750 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft$^3/_s$ June 29, 1963, May 2, 1977; no flow at times in each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	18	.00	.00	.00	.00	.00	.00	97	175	166	148
2	20	18	.00	.00	.00	.00	.00	32	100	175	165	149
3	20	18	.00	.00	.00	.00	.00	98	118	176	166	170
4	20	.95	.00	.00	.00	.00	.00	117	121	175	166	149
5	21	.00	.00	.00	.00	.00	.00	116	120	178	166	148
6	21	.00	.00	.00	.00	.00	.00	102	103	178	166	149
7	20	.00	.00	.00	.00	.00	.00	101	93	177	167	147
8	20	.00	.00	.00	.00	.00	.00	101	99	175	165	146
9	20	.00	.00	.00	.00	.00	.00	100	105	173	160	146
10	21	.00	.00	.00	.00	.00	.00	100	89	174	160	147
11	20	.00	.00	.00	.00	.00	.00	99	86	173	160	148
12	20	.00	.00	.00	.00	.00	.00	95	86	173	161	146
13	18	.00	.00	.00	.00	.00	.00	87	89	173	161	139
14	19	.00	.00	.00	.00	.00	.00	84	103	172	161	137
15	20	.00	.00	.00	.00	.00	.00	84	105	172	160	137
16	20	.00	.00	.00	.00	.00	.00	83	105	173	153	137
17	19	.00	.00	.00	.00	.00	.00	86	115	172	147	137
18	19	.00	.00	.00	.00	.00	.00	84	123	171	149	137
19	19	.00	.00	.00	.00	.00	.00	85	131	170	154	138
20	19	.00	.00	.00	.00	.00	.00	85	142	167	156	133
21	19	.00	.00	.00	.00	.00	.00	84	151	165	156	129
22	19	.00	.00	.00	.00	.00	.00	84	162	166	158	130
23	19	.00	.00	.00	.00	.00	.00	84	168	166	157	130
24	19	.00	.00	.00	.00	.00	.00	84	174	167	155	123
25	18	.00	.00	.00	.00	.00	.00	83	176	164	152	109
26	18	.00	.00	.00	.00	.00	.00	84	174	162	149	109
27	18	.00	.00	.00	.00	.00	.00	83	175	163	149	103
28	18	.00	.00	.00	.00	.00	.00	83	179	163	149	96
29	18	.00	.00	.00	---	.00	.00	82	180	164	149	97
30	18	.00	.00	.00	---	.00	.00	82	176	165	148	96
31	18	---	.00	.00	---	.00	---	83	---	166	148	---
TOTAL	616	54.95	0.00	0.00	0.00	0.00	0.00	2655.00	3845	5283	4879	4010
MEAN	19.9	1.83	.000	.000	.000	.000	.000	85.6	128	170	157	134
MAX	38	18	.00	.00	.00	.00	.00	117	180	178	167	170
MIN	18	.00	.00	.00	.00	.00	.00	.00	86	162	147	96
AC-FT	1220	109	.00	.00	.00	.00	.00	5270	7630	10480	9680	7950

CAL YR 1994	TOTAL	22682.95	MEAN	62.1	MAX	170	MIN	.00	AC-FT 44990
WTR YR 1995	TOTAL	21342.95	MEAN	58.5	MAX	180	MIN	.00	AC-FT 42330

10117500 WEST SIDE CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'55", 112°03'36", in SW$^1/_4$ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records fair. Canal diverts from west side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by Utah Power & Light Co.

AVERAGE DISCHARGE.--81 years (water years 1913-81, 1983-95), 251 ft$^3/_s$, 181,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 787 ft$^3/_s$ June 23, 1986; no flow for periods in every year except 1914.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	157	.00	.00	.00	.00	.00	440	565	728	652	622
2	200	158	.00	.00	.00	.00	.00	436	584	727	663	624
3	200	158	.00	.00	.00	.00	.00	443	582	725	666	627
4	200	158	.00	.00	.00	.00	.00	454	582	725	672	627
5	201	159	.00	.00	.00	.00	.00	448	535	725	675	626
6	202	159	.00	.00	.00	.00	.00	441	504	730	675	623
7	203	160	.00	.00	.00	.00	.00	446	496	728	674	621
8	200	160	.00	.00	.00	.00	.00	447	460	727	674	620
9	199	157	.00	.00	.00	.00	.00	450	449	735	674	620
10	200	157	.00	.00	.00	.00	.00	456	446	732	676	619
11	197	157	.00	.00	.00	.00	.00	448	447	728	678	620
12	197	158	.00	.00	.00	.00	.00	418	448	722	679	623
13	174	158	.00	.00	.00	.00	.00	369	363	694	676	621
14	168	158	.00	.00	.00	.00	.00	369	262	694	674	620
15	160	158	.00	.00	.00	.00	.00	368	377	702	674	626
16	159	158	.00	.00	.00	.00	.00	368	482	712	676	625
17	159	158	.00	.00	.00	.00	.00	414	517	709	673	626
18	159	158	.00	.00	.00	.00	.00	446	577	710	673	624
19	158	.00	.00	.00	.00	.00	.00	450	661	712	671	623
20	158	.00	.00	.00	.00	.00	.00	449	671	691	673	594
21	158	.00	.00	.00	.00	.00	.00	449	689	654	671	553
22	158	.00	.00	.00	.00	.00	.00	448	698	657	670	516
23	158	.00	.00	.00	.00	.00	.00	444	749	658	608	516
24	157	.00	.00	.00	.00	.00	.00	443	745	654	653	519
25	157	.00	.00	.00	.00	.00	.00	440	749	654	637	513
26	158	.00	.00	.00	.00	.00	.00	445	747	650	622	508
27	158	.00	.00	.00	.00	.00	.00	447	758	657	627	482
28	157	.00	.00	.00	.00	.00	427	446	742	660	628	458
29	157	.00	.00	.00	---	.00	410	447	728	658	628	454
30	157	.00	.00	.00	---	.00	436	450	729	657	630	458
31	157	---	.00	.00	---	.00	---	469	---	652	629	---
TOTAL	5453	2846.00	0.00	0.00	0.00	0.00	1273.00	13488	17342	21567	20451	17408
MEAN	176	94.9	.000	.000	.000	.000	42.4	435	578	696	660	580
MAX	227	160	.00	.00	.00	.00	436	469	758	735	679	627
MIN	157	.00	.00	.00	.00	.00	.00	368	262	650	608	454
AC-FT	10820	5650	.00	.00	.00	.00	2520	26750	34400	42780	40560	34530

CAL YR 1994	TOTAL	107613.00	MEAN	295	MAX	758	MIN	.00	AC-FT	213500
WTR YR 1995	TOTAL	99828.00	MEAN	274	MAX	758	MIN	.00	AC-FT	198000

10118000 BEAR RIVER NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 800 ft downstream from Cutler plant of Utah Power & Light Co., 2,000 ft downstream from Cutler Dam, and 5.5 mi north of Collinston.

DRAINAGE AREA.--6,267 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1889 to current year. Published as "at Collinston" prior to 1900. Monthly discharge only for some periods, published in WSP 1314.

REVISED RCORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft above sea level (levels by Bureau of Reclamation). Prior to Nov. 8, 1913, nonrecording gage, and Nov. 8, 1913 to Sept. 10, 1938, water-stage recorder, at site 0.8 mi downstream at different datums.

REMARKS.--Records fair. Natural flow of stream affected by storage reservoir, power developments and diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,700 ft³/s Feb. 20, 1986, gage height, 8.68 ft; minimum daily, 10 ft³/s Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug. 5, 1920.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,260 ft³/s June 11, gage height, 5.88 ft; minimum daily, 18 ft³/s, Sept. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	415	544	260	1040	1450	1790	1400	2790	759	41	19
2	220	412	239	368	1010	1190	1820	1570	2740	469	38	19
3	192	994	317	465	1440	1450	1620	1580	3000	697	34	19
4	493	85	331	e430	1520	1690	1510	1850	3080	409	33	18
5	123	1010	147	e530	1430	1860	945	1570	3320	442	32	429
6	621	134	318	e620	925	1520	1660	2580	3740	147	32	302
7	632	207	641	e770	1230	1380	1830	2300	3820	468	32	552
8	1020	950	700	e940	1380	1230	2060	2100	3810	718	30	745
9	64	872	351	e920	993	1500	1820	1970	3840	75	30	44
10	801	324	431	e1070	1160	1370	2220	1970	3840	184	30	652
11	533	216	450	1250	1450	1410	2100	2470	3990	464	30	328
12	32	799	391	1510	1180	2610	1760	2220	4030	650	30	71
13	102	923	722	1170	573	2520	2260	2630	3860	372	30	442
14	969	1040	252	1450	1460	3030	1590	2840	3830	465	29	327
15	1480	501	508	1590	1160	2950	1790	2700	3830	99	29	329
16	1490	311	1180	1550	1090	2380	2380	2630	3920	210	29	30
17	360	859	506	1390	1120	2800	2000	2430	3870	131	28	49
18	887	1140	323	1310	1150	2580	2410	2420	3830	38	29	126
19	390	175	331	912	1020	2510	2050	2260	3240	36	29	30
20	265	762	146	1120	1290	1960	1860	2510	2610	35	29	28
21	840	734	554	758	1240	2530	1830	2880	2170	33	29	28
22	538	601	232	1150	1300	2890	1600	2940	2090	34	27	28
23	667	458	264	557	1260	2770	1760	3080	1720	35	27	28
24	475	472	794	852	1130	2880	1620	3240	2090	31	26	28
25	733	358	784	1200	1770	3080	990	3390	2030	40	23	27
26	296	300	404	1100	1300	2940	2020	3410	1760	46	19	27
27	630	291	970	674	1200	2600	1010	3320	1470	46	19	26
28	623	334	367	1370	1380	2130	1440	3220	533	45	19	445
29	405	452	777	807	---	2030	1430	3110	222	47	19	481
30	583	576	274	505	---	1950	1400	2890	342	44	19	289
31	454	---	671	1400	---	1730	---	2420	---	44	19	---
TOTAL	17398	16705	14919	29998	34201	66920	52575	77900	85417	7313	870	5966
MEAN	561	557	481	968	1221	2159	1752	2513	2847	236	28.1	199
MAX	1490	1140	1180	1590	1770	3080	2410	3410	4030	759	41	745
MIN	32	85	146	260	573	1190	945	1400	222	31	19	18
AC-FT	34510	33130	29590	59500	67840	132700	104300	154500	169400	14510	1730	11830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1995, BY WATER YEAR (WY)

MEAN	1129	1369	1394	1444	1643	2097	2799	2774	1993	586	438	695
MAX	4061	4270	4036	3315	5437	5955	7273	7971	9225	4739	2795	3233
(WY)	1984	1984	1984	1984	1986	1910	1907	1922	1909	1907	1983	1984
MIN	80.5	420	312	589	729	792	485	25.0	22.5	15.1	14.0	13.9
(WY)	1993	1903	1903	1935	1989	1934	1934	1992	1960	1977	1981	1979

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1903 - 1995	
ANNUAL TOTAL	227372		410182			
ANNUAL MEAN	623		1124		1527	
HIGHEST ANNUAL MEAN					4379	1984
LOWEST ANNUAL MEAN					442	1934
HIGHEST DAILY MEAN	2870	Apr 24	4030	Jun 12	12000	Feb 20 1986
LOWEST DAILY MEAN	18	Jul 18	18	Sep 4	7.2	Sep 20 1981
ANNUAL SEVEN-DAY MINIMUM	18	Jul 20	19	Aug 29	7.5	Sep 15 1981
ANNUAL RUNOFF (AC-FT)	451000		813600		1107000	
10 PERCENT EXCEEDS	1600		2780		3250	
50 PERCENT EXCEEDS	450		801		1240	
90 PERCENT EXCEEDS	22		30		26	

e Estimated

10118000 BEAR RIVER NEAR COLLINSTON, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--

SEDIMENT CONCENTRATION: Maximum daily mean, 1,920 mg/L, Oct. 31, 1990; minimum daily mean, 7 mg/L, Nov. 13, 1993.

SEDIMENT LOADS: Maximum daily, 3,200 tons, Oct. 31, 1990; minimum daily, 1.1 tons, Sept. 29, 1992.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 117 mg/L, July 29; minimum daily mean, 15 mg/L, July 20.

SEDIMENT LOADS: Maximum daily, 823 tons, June 12; minimum daily, 1.5 tons, July 20.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)	MEAN CONCEN-TRATION (MG/L)	LOAD (TONS/ DAY)
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	98	127	68	79	e26	e38	e26	e18	e26	e73	e26	e102
2	83	49	61	81	e26	e17	e26	e26	e26	e71	e26	e84
3	82	42	72	193	e26	e22	e26	e32	e26	e101	e26	e102
4	84	111	58	14	e26	e23	e26	e5.1	e26	e107	e26	e119
5	72	23	45	120	e26	e10	e26	e3.8	e26	e100	e26	e130
6	70	127	42	15	e26	e22	e26	e3.8	e26	e65	e26	e107
7	56	98	56	35	e26	e45	e26	e3.8	e26	e86	e26	e97
8	73	213	59	149	e26	e49	e26	e3.8	e26	e97	e26	e86
9	58	10	72	163	e26	e25	e26	e3.8	e26	e70	e26	e105
10	62	147	62	54	e26	e30	e26	e3.8	e26	e82	e26	e97
11	71	104	59	36	e26	e32	26	88	e26	e102	28	106
12	60	5.2	68	142	e26	e27	e26	e106	e26	e82	e34	e242
13	59	17	57	139	e26	e51	e26	e82	e26	e41	e42	e282
14	e61	e160	82	232	e26	e18	e26	e101	e26	e102	e50	e412
15	e62	e248	91	130	e26	e36	e26	e112	e26	e81	e61	e482
16	e64	e257	72	61	e26	e83	e26	e108	e26	e76	e72	e460
17	e65	e63	66	154	e26	e35	e26	e98	e26	e79	75	565
18	e67	e160	67	198	e26	e23	e26	e92	e26	e80	71	493
19	e68	e72	94	43	e26	e23	e26	e64	e26	e72	66	450
20	70	65	99	200	e26	e10	e26	e79	e26	e91	51	280
21	107	240	e86	e171	e26	e39	e26	e53	e26	e87	50	342
22	99	138	e75	e120	e26	e16	e26	e80	e26	e91	45	355
23	101	186	e65	e78	e26	e19	e26	e40	e26	e88	48	359
24	90	114	e57	e74	e26	e56	e26	e59	e26	e80	58	455
25	93	178	e49	e47	e26	e55	e26	e85	e26	e123	57	470
26	86	68	e43	e34	e26	e29	e26	e76	e26	e92	51	407
27	85	145	e37	e30	e26	e68	e26	e48	e26	e84	54	378
28	75	124	e32	e29	e26	e25	e26	e95	e26	e97	48	278
29	90	91	e28	e34	e26	e55	e26	e57	---	---	58	327
30	73	108	e26	e40	e26	e20	e26	e36	---	---	52	280
31	61	66	---	---	e26	e47	e26	e98	---	---	53	249
TOTAL	---	3556.2	---	2895	---	1048	---	1760.9	---	2400	---	8701

10118000 BEAR RIVER NEAR COLLINSTON, UT--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	APRIL MEAN CONCEN-TRATION (MG/L)	APRIL LOAD (TONS/ DAY)	MAY MEAN CONCEN-TRATION (MG/L)	MAY LOAD (TONS/ DAY)	JUNE MEAN CONCEN-TRATION (MG/L)	JUNE LOAD (TONS/ DAY)	JULY MEAN CONCEN-TRATION (MG/L)	JULY LOAD (TONS/ DAY)	AUGUST MEAN CONCEN-TRATION (MG/L)	AUGUST LOAD (TONS/ DAY)	SEPTEMBER MEAN CONCEN-TRATION (MG/L)	SEPTEMBER LOAD (TONS/ DAY)
1	53	253	50	196	35	262	e48	e98	114	12	76	3.9
2	53	261	51	216	47	344	e46	e59	51	5.3	65	3.3
3	46	200	60	260	57	462	e45	e85	55	5.1	69	3.5
4	41	166	55	274	56	468	e44	e48	77	6.7	51	2.5
5	43	111	51	217	58	526	e42	e50	70	6.1	73	93
6	52	235	63	438	e60	e606	41	16	69	5.9	84	66
7	52	265	55	353	e62	e639	41	52	70	6.1	77	115
8	58	320	52	302	64	655	33	63	76	6.1	67	133
9	e57	e280	e52	e277	59	610	32	5.9	80	6.4	62	8.0
10	e57	e342	e51	e271	59	613	28	14	76	6.1	45	82
11	e57	e301	e51	e340	69	746	26	33	72	5.7	51	58
12	e56	e266	e50	e300	76	823	29	52	88	7.0	56	11
13	e56	e342	e49	e348	64	662	27	30	72	5.7	61	76
14	56	241	e49	e376	61	631	38	39	71	5.6	66	52
15	55	266	e48	e350	71	737	28	6.4	69	5.4	66	57
16	48	310	e47	e334	78	822	25	14	66	5.1	66	5.4
17	45	240	e47	e308	78	814	21	5.8	69	5.3	66	8.9
18	49	319	e46	e301	79	812	23	2.4	65	5.1	63	22
19	44	247	45	277	72	636	20	1.9	57	4.4	77	6.2
20	38	193	50	322	60	428	15	1.5	56	4.3	62	4.7
21	35	177	57	443	56	333	32	2.8	47	3.7	58	4.4
22	37	160	58	460	60	344	42	3.9	44	3.3	52	4.0
23	40	188	61	507	54	254	48	4.5	40	2.9	42	3.2
24	48	208	82	786	e55	e310	56	4.8	30	2.1	47	3.5
25	52	139	72	655	56	306	63	6.6	33	2.0	41	3.0
26	51	283	75	692	e55	e263	90	11	45	2.3	25	1.9
27	35	106	71	634	e54	e214	86	11	33	1.7	37	2.7
28	42	174	62	543	e52	e75	98	12	35	1.8	46	64
29	54	206	57	481	e51	e30	117	15	38	2.0	53	77
30	57	216	45	352	e49	e45	90	11	70	3.6	48	48
31	---	---	38	256	---	---	63	7.5	90	4.6	---	---
TOTAL	---	7015	---	11869	---	14470	---	767.0	---	149.4	---	1023.1

YEAR 55654.6

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in $NE^1/_4SE^1/_4NE^1/_4$ sec. 30, T. 10 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 1.2 mi downstream from Salt Creek, 2.0 mi northeast of Corinne, and 2.8 mi downstream from Malad River.

DRAINAGE AREA.--7,029 mi^2.

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft above sea level, unadjusted. Auxiliary nonrecording gage 7,800 ft downstream July 27, 1950 to Nov. 21, 1955.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,770 $ft^3/_s$ May 19, 1984, gage height, 17.50 ft; minimum daily discharge, 47 $ft^3/_s$ Aug. 25, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,370 $ft^3/_s$ June 12, 13; minimum daily discharge, 91 $ft^3/_s$ Sept. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e136	594	e520	842	1120	1440	1790	1390	2640	411	111	92
2	e217	455	e500	606	1160	1460	1920	1430	2820	596	114	91
3	e402	350	e350	651	1300	1230	1850	1640	2850	528	120	96
4	e273	812	e365	872	1540	1490	1710	1700	3060	607	113	96
5	420	587	e380	809	1460	1780	1530	1920	3170	491	112	109
6	334	748	e250	840	1370	1830	1200	1910	3480	414	109	205
7	474	509	e300	844	1200	1560	1540	2610	3890	327	109	315
8	616	375	e450	956	1180	1470	1850	2400	4080	400	107	352
9	954	677	e500	1110	1310	1380	2030	2190	4160	625	106	585
10	455	840	e400	1020	1080	1450	1940	2250	4210	267	107	305
11	493	640	e405	1220	1150	1630	2160	2280	4250	220	111	437
12	735	449	e420	1660	1380	1800	2080	2620	4370	333	111	296
13	363	727	e405	1620	1180	2510	1820	2470	4370	604	113	262
14	196	774	e560	1390	810	2750	2180	2930	4200	499	121	283
15	637	958	e450	1580	1360	3200	1720	3100	4150	511	124	345
16	1220	786	e500	1720	1150	3060	1990	3030	4110	334	122	365
17	1330	587	e600	1800	1090	2770	2090	2860	4090	271	118	226
18	797	714	e540	1550	1170	2920	1970	2640	4090	253	112	167
19	639	1020	e500	1400	1120	2760	2280	2590	4010	182	110	160
20	615	568	e540	1140	1060	2670	1990	2560	3350	150	115	196
21	411	583	e350	1170	1380	2230	1830	2700	2780	135	118	160
22	642	704	e500	844	1240	2690	1720	2960	2270	132	120	128
23	721	673	e350	1080	1300	3070	1750	3050	2010	137	122	144
24	601	e540	e450	789	1200	3090	1620	3200	1710	136	131	161
25	447	e560	849	824	1440	3220	1540	3540	2000	140	130	150
26	607	e500	924	1080	1600	3370	1120	3600	2000	131	119	166
27	402	e480	803	1270	1310	3210	1670	3640	1630	e125	118	171
28	528	e450	1140	969	1290	2690	1070	3530	1410	129	111	163
29	634	e480	706	1230	---	2560	1190	3450	756	119	110	303
30	533	e500	799	957	---	2120	1390	3290	288	113	108	543
31	599	---	772	756	---	1950	---	3040	---	114	97	---
TOTAL	17431	18640	16578	34599	34950	71360	52540	82520	92204	9434	3549	7072
MEAN	562	621	535	1116	1248	2302	1751	2662	3073	304	114	236
MAX	1330	1020	1140	1800	1600	3370	2280	3640	4370	625	131	585
MIN	136	350	250	606	810	1230	1070	1390	288	113	97	91
AC-FT	34570	36970	32880	68630	69320	141500	104200	163700	182900	18710	7040	14030

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

MEAN	1414	1678	1726	1827	1890	2379	2911	2963	2223	762	659	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	1995	1995	1993	1993	1991	1992	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	243740		440877			
ANNUAL MEAN	668		1208		1780	
HIGHEST ANNUAL MEAN					5050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	2510	Apr 25	4370	Jun 12	14300	May 19 1984
LOWEST DAILY MEAN	58	Jul 26	91	Sep 2	47	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	61	Jul 20	98	Aug 30	50	Aug 22 1992
ANNUAL RUNOFF (AC-FT)	483500		874500		1289000	
10 PERCENT EXCEEDS	1520		2940		3680	
50 PERCENT EXCEEDS	528		812		1430	
90 PERCENT EXCEEDS	73		123		133	

e Estimated

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION (REVISED).--Lat 40°44'14", long 111°14'50", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 15, T. 1 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on right bank 1.5 mi downstream from South Fork, 2.2 mi upstream from Weber-Provo diversion canal, and 3.2 mi northeast of Oakley.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--October 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 790: 1934. WSP 1394: 1907-09, 1911-12, 1921-22. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above sea level, from topographic map. Prior to Oct. 25, 1933, staff gage at site 0.2 mi downstream at different datum. Oct. 25, 1933 to Aug. 29, 1955, water- stage recorder at present site at datum 0.5 ft higher. Aug. 29, 1955 to Oct. 27, 1981 at present site at different datum. Oct. 27, 1981 to July 21, 1993 at site 0.3 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several small diversions for irrigation above station. Flow slightly regulated by several small lakes on headwaters and a small reservoir on Smith and Morehouse Creek. Total capacity of lakes and reservoir, 10,750 acre-ft, (revised).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,170 ft$^3/_s$ June 13, 1921, gage height, 9.0 ft, site and datum then in use, from rating curve extended above 2,000 ft$^3/_s$; minimum observed, 15 ft$^3/_s$ Dec. 9, 1977, minimum discharge, 15 ft$^3/_s$ Dec. 15, 1990, Feb. 27, 1991.

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

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Jun 15	0230	*2,670	*4.59				

Minimum daily discharge, 44 ft$^3/_s$ Dec. 31, Jan. 01.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	71	e59	e44	e56	63	96	205	799	1380	236	142
2	53	74	e57	e47	e54	65	98	270	1000	1370	224	144
3	66	70	e58	e46	e50	62	102	250	1100	1660	220	137
4	75	62	e59	e47	e52	66	112	251	1040	1340	214	135
5	82	71	e60	e49	e54	62	130	265	1130	1200	202	137
6	86	70	e60	e51	e54	58	147	264	1350	1290	194	135
7	75	71	e58	e52	e54	54	152	250	1120	1360	186	131
8	72	69	e54	e53	e56	60	165	251	1040	1300	178	125
9	68	66	e52	e52	e54	60	149	265	907	1150	177	120
10	67	66	e54	e52	e54	68	143	298	836	1170	186	116
11	68	65	e59	e52	e52	131	137	349	859	1140	190	112
12	72	73	e57	e47	e54	113	139	359	1140	1120	183	109
13	71	71	e60	e54	e58	90	155	345	1560	1050	192	106
14	68	65	e60	e53	e57	91	177	351	1820	921	190	103
15	78	71	e58	e56	e47	103	171	353	2150	813	182	99
16	73	68	e58	e56	e58	119	164	416	1910	752	178	96
17	81	62	e58	e55	e65	124	166	415	1520	701	177	95
18	86	65	e57	e53	e68	134	159	438	1360	666	172	96
19	78	e67	e57	e55	e68	179	160	469	1340	649	163	104
20	76	e64	e55	e53	e67	147	158	555	1520	570	167	143
21	75	e66	e57	e50	e69	155	152	631	1510	482	178	146
22	74	e60	e57	e47	e74	154	151	759	1460	442	168	148
23	73	e62	e56	e49	e71	145	153	937	1370	412	163	148
24	72	e63	e58	e53	e72	140	150	837	1440	391	176	148
25	70	e63	e59	e56	e74	128	156	792	1480	376	168	147
26	70	e62	e58	e54	e72	123	157	781	1480	357	159	148
27	74	e58	e56	e52	e70	116	166	734	1640	337	153	150
28	73	e60	e56	e50	63	113	184	680	1670	311	149	156
29	71	e58	e57	e46	---	110	182	661	1650	285	140	180
30	67	e60	e51	e50	---	105	219	671	1450	275	136	177
31	68	---	e44	e54	---	95	---	697	---	263	134	---
TOTAL	2239	1973	1759	1588	1697	3233	4550	14799	40651	25533	5535	3933
MEAN	72.2	65.8	56.7	51.2	60.6	104	152	477	1355	824	179	131
MAX	86	74	60	56	74	179	219	937	2150	1660	236	180
MIN	53	58	44	44	47	54	96	205	799	263	134	95
AC-FT	4440	3910	3490	3150	3370	6410	9020	29350	80630	50640	10980	7800

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1995, BY WATER YEAR (WY)

MEAN	79.2	69.8	60.5	56.3	56.4	66.8	179	684	915	268	113	84.3
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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1905 - 1995	
ANNUAL TOTAL	55976		107490			
ANNUAL MEAN	153		294		220	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	1000	May 31	2150	Jun 15	4170	Jun 13 1921
LOWEST DAILY MEAN	44	Jan 1	44	Dec 31	20	Dec 1 1977
ANNUAL SEVEN-DAY MINIMUM	47	Jan 16	47	Dec 30	23	Nov 30 1977
ANNUAL RUNOFF (AC-FT)	111000		213200		159100	
10 PERCENT EXCEEDS	403		1040		625	
50 PERCENT EXCEEDS	73		116		79	
90 PERCENT EXCEEDS	50		54		48	

e Estimated

10129400 ROCKPORT RESERVOIR NEAR WANSHIP, UT

LOCATION.--Lat 40°47'25", long 111°24'12", in $NW^1/_4NW^1/_4SE^1/_4$ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, in powerhouse on downstream side of dam on Weber River, 1.2 mi south of Wanship and 1.2 mi up-stream from Silver Creek.

DRAINAGE AREA.--334 mi^2.

PERIOD OF RECORD.--February 1957 to current year. Month-end contents only prior to October 1960, published in WSP 1734.

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

GAGE.--Water-stage recorder. Datum of gage is sea level (levels by Bureau of Reclamation).

REMARKS.--No estimated daily contents. Records good. Reservoir is formed by earthfill rock-faced dam; storage began in fall of 1956; dam completed March 1957. Usable capacity, 60,860 acre-ft between elevation 5,930 ft (bottom of outlet tunnel) and 6,037 ft (top of spillway) above mean sea level. Dead storage, 1,260 acre-ft. Figures given herein represent usable contents. Water is used for irrigation, domestic, and industrial purposes.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 65,030 acre-ft June 24, 27, 28, 1967 and June 12, 13, 1983, elevation, 6,040.8 ft; minimum observed since storage began, 152 acre-ft Sept. 10, 15, 1959, elevation, 5,931.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 63,140 acre-ft July 13, 14, elevation, 6,039.1 ft; minimum contents, 15,150 acre-ft Nov. 19, elevation, 5,978.8 ft.

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

5,985	18,640	6,005	31,800	6,025	48,720
5,990	21,570	6,010	35,660	6,030	53,600
5,995	24,730	6,015	39,750	6,035	58,700
6,000	28,150	6,020	44,110	6,040	64,100

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21250	17230	17410	22170	26890	31940	41190	40530	48300	58440	60970	56180
2	21010	17120	17590	22230	27090	32210	41120	40840	48700	58690	60950	56010
3	20800	17040	17780	22290	27310	32450	41050	41250	49530	59150	60850	55820
4	20690	16890	17970	22360	27500	32770	41000	41300	50050	60060	60780	55620
5	20590	16750	18170	22450	27670	33000	40960	41270	50290	60130	60740	55460
6	20550	16650	18360	22570	27830	33270	40930	41270	50840	60030	60600	55280
7	20430	16520	18560	22710	27980	33480	40900	41250	51680	60200	60430	55100
8	20280	16390	18710	22850	28130	33670	40890	41200	51580	60690	60260	54910
9	20130	16270	18840	23000	28270	33870	40880	41140	51130	61020	60110	54720
10	19960	16110	18980	23180	28420	34220	40860	41060	50430	61410	59940	54530
11	19790	15960	19110	23340	28580	35230	40810	41020	49580	61880	59800	54310
12	19620	15840	19280	23500	28760	36690	40830	41190	48860	62450	59650	54100
13	19450	15750	19460	23690	28920	37450	40980	41380	48750	63010	59530	53810
14	19300	15630	19640	23870	29110	38070	40950	41510	49260	63050	59400	53590
15	19270	15490	19810	24140	29240	38790	40890	41640	50520	62890	59260	53370
16	19230	15380	19970	24410	29370	39350	40840	41660	52170	62670	59010	53150
17	19210	15270	20140	24630	29540	39770	40810	41700	52910	62460	58800	52910
18	19260	15220	20310	24820	29720	40070	40800	41820	52870	62230	58580	52720
19	19230	15370	20470	25010	29890	40490	40770	41970	52450	62090	58400	52520
20	19120	15470	20610	25170	30060	40860	40730	42080	52360	61940	58200	52300
21	18990	15640	20730	25290	30220	41000	40710	42210	52760	61700	58050	52090
22	18850	15800	20860	25400	30390	41190	40650	42300	53110	61530	57920	51920
23	18700	15920	21000	25500	30560	41340	40580	42620	53290	61530	57770	51770
24	18550	16060	21150	25620	30750	41420	40550	43350	53430	61420	57630	51600
25	18390	16250	21300	25780	30950	41440	40490	43820	53850	61310	57480	51370
26	18230	16460	21450	25970	31180	41390	40440	44850	54720	61270	57300	51240
27	18070	16640	21600	26150	31430	41410	40400	46370	55700	61200	57100	51110
28	17910	16840	21740	26310	31690	41380	40360	47560	56870	61110	56900	50980
29	17740	17030	21880	26460	---	41340	40320	47930	57800	61030	56690	50880
30	17570	17210	22010	26570	---	41290	40410	48160	58270	60930	56490	50900
31	17400	---	22110	26720	---	41250	---	48360	---	60900	56310	---
MAX	21250	17230	22110	26720	31690	41440	41190	48360	58270	63050	60970	56180
MIN	17400	15220	17410	22170	26890	31940	40320	40530	48300	58440	56310	50880
(#)	5982.8	5982.4	5990.9	5997.9	6004.8	6016.7	6015.8	6024.6	6034.6	6037.0	6032.7	6027.3
(*)	-4140	-190	+4900	+4610	+4970	+9560	-840	+7950	+9910	+2630	-4590	-5410

CAL YR 1994..... (*) -12,440
WTR YR 1995..... (*) +29,360

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

10129500 WEBER RIVER NEAR WANSHIP, UT

LOCATION.--Lat 40°47'34", Long 111°24'15", in $SE^1/_4SE^1/_4NE^1/_4$ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 0.1 mi downstream from Wanship Dam, 1.2 mi south of Wanship and 1.25 mi upstream from Silver Creek.

DRAINAGE AREA.--335 mi^2.

PERIOD OF RECORD.--October 1950 to September 1955, April 1957 to September 1960, October 1988 to current year. Monthly discharges only April 1957 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,900 ft above sea level, from topographic map. Nov. 17, 1950, to Sept. 30, 1955, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are 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 1,610 $ft^3/_s$, June 18, 19, minimum daily discharge 20 $ft^3/_s$, several days in November and December.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	181	20	e25	e27	e27	137	154	553	1560	188	200
2	179	133	20	e25	e27	e27	136	162	501	1550	192	199
3	179	183	20	e25	e27	e27	136	170	786	1550	193	200
4	180	178	20	e25	e27	e27	135	192	1080	1570	189	201
5	182	178	20	e25	e27	e27	137	192	1200	1570	187	205
6	179	178	22	e25	e27	e27	137	192	1010	1500	183	206
7	178	178	e22	e26	e27	e27	137	192	1130	1450	184	208
8	179	178	e22	e26	e27	e27	139	192	1260	1480	185	209
9	179	177	e22	e36	e27	e27	142	191	1250	1410	187	210
10	182	175	e22	e27	e28	e27	142	195	1250	1250	190	210
11	181	176	e22	e27	e28	e28	142	196	1260	1070	191	211
12	181	176	e22	e27	e28	e28	74	199	1260	879	184	212
13	181	173	e22	e27	e28	e28	74	199	1260	992	191	212
14	171	174	e22	e26	e28	e28	141	200	1270	1020	186	212
15	183	174	e22	e26	e28	e28	147	199	1290	932	182	213
16	182	174	e23	e26	e28	e28	138	201	1420	850	193	212
17	181	173	e23	e26	e28	e28	134	200	1530	751	199	204
18	182	76	e23	e26	e29	89	140	201	1610	652	199	205
19	182	20	e23	e26	e29	93	140	201	1610	570	198	208
20	182	20	e23	e26	e29	117	147	201	1530	531	197	214
21	182	20	e23	e26	e29	132	142	201	1540	451	197	215
22	183	20	e23	e26	e29	135	143	201	1590	379	184	213
23	183	20	e23	e26	e29	136	146	209	1600	341	185	212
24	183	20	e24	e26	e29	138	146	210	1600	300	193	217
25	183	20	e24	e26	e29	139	146	210	1400	275	194	219
26	182	20	e24	e26	e28	138	146	210	1260	267	191	217
27	183	20	e24	e26	e28	139	150	210	1260	243	192	215
28	183	20	e24	e26	e27	139	150	458	1390	229	193	212
29	184	20	e24	e27	---	139	150	606	1560	214	193	214
30	183	20	e24	e27	---	139	150	642	1590	196	197	213
31	183	---	e25	e27	---	138	---	644	---	194	199	---
TOTAL	5614	3275	697	817	782	2277	4124	7630	38850	26226	5916	6298
MEAN	181	109	22.5	26.4	27.9	73.5	137	246	1295	846	191	210
MAX	184	183	25	36	29	139	150	644	1610	1570	199	219
MIN	171	20	20	25	27	27	74	154	501	194	182	199
AC-FT	11140	6500	1380	1620	1550	4520	8180	15130	77060	52020	11730	12490

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

MEAN	126	117	107	71.4	71.1	94.9	189	361	490	252	180	152
MAX	209	202	258	131	160	188	683	1448	1295	846	333	288
(WY)	1994	1994	1958	1958	1958	1958	1952	1952	1995	1995	1989	1958
MIN	23.3	23.2	22.5	23.0	15.8	25.8	30.0	42.3	137	90.9	61.9	55.9
(WY)	1993	1993	1995	1993	1991	1992	1991	1957	1957	1954	1954	1955

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	47229		102506			
ANNUAL MEAN	129		281		190	
HIGHEST ANNUAL MEAN					385	1952
LOWEST ANNUAL MEAN					125	1992
HIGHEST DAILY MEAN	435	Jul 26	1610	Jun 18	2120	May 4 1952
LOWEST DAILY MEAN	20	Nov 19	20	Nov 19	.10	Nov 17 1957
ANNUAL SEVEN-DAY MINIMUM	20	Nov 19	20	Nov 19	.11	Nov 16 1957
ANNUAL RUNOFF (AC-FT)	93680		203300		137300	
10 PERCENT EXCEEDS	252		1070		328	
50 PERCENT EXCEEDS	108		178		127	
90 PERCENT EXCEEDS	24		24		27	

e Estimated

10130000 SILVER CREEK NEAR WANSHIP, UT

LOCATION.--Lat 40°45'25", long 111°28'15", in NW¼NW¼SW¼ sec. 2, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 50 ft downstream from culvert at crossover between interstate 80 lanes, 4 mi upstream from mouth, 4.5 mi southwest of Wanship.

DRAINAGE AREA.--27.9 mi^2.

PERIOD OF RECORD.--October 1941 to September 1946, July 1982 to September 1985, October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map. October 1941 to September 1946, July 1982 to September 1985, October 1989 to June 1995 water-stage recorder at approximately same site at different datums.

REMARKS.--Records poor. Several diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 430 ft^3/s Apr. 4, 1942, gage height, 4.28 ft, site and datum then is use; minimum, practically no flow at times in 1942 and 1943.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 140 ft^3/s Mar. 11; minimum daily discharge, 2.6 ft^3/s Aug. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	10	5.9	4.4	5.9	14	e29	e26	e31	9.0	4.6	3.9
2	3.3	10	6.2	4.0	4.9	15	e32	e35	e33	11	4.6	4.3
3	6.8	10	6.6	4.0	5.5	16	e35	e31	e30	15	4.6	4.2
4	13	8.6	5.8	3.8	6.3	21	e27	e28	e27	16	4.7	4.4
5	12	9.6	6.6	4.1	6.8	25	e29	e26	e26	12	5.2	4.3
6	14	10	7.0	4.9	6.5	e21	e29	e25	e22	10	4.9	4.0
7	8.1	7.6	7.0	5.6	6.4	e35	e25	e20	e19	9.1	4.2	4.3
8	6.7	5.1	e6.5	5.8	6.6	e60	e32	e20	e29	8.2	4.7	3.4
9	5.5	6.3	e6.3	6.5	7.5	e115	e30	e19	e24	7.8	4.0	2.9
10	5.2	6.3	e6.1	7.4	7.7	e130	e26	e25	e20	7.9	3.8	3.3
11	4.9	6.0	6.0	7.6	7.7	e140	e23	e27	e17	8.3	4.1	3.9
12	4.7	7.8	6.5	7.8	8.0	e120	e20	e30	e16	9.2	3.9	4.2
13	3.9	9.0	5.3	8.8	8.6	e75	e23	e28	e17	9.7	3.8	4.2
14	4.7	7.5	3.7	9.3	8.0	e49	e21	e26	e18	9.4	3.8	4.2
15	20	6.2	3.5	11	9.2	e57	e19	e26	e19	6.8	3.3	4.4
16	23	6.4	4.0	11	e9.4	e52	e16	e21	e19	5.7	2.7	4.5
17	20	4.4	4.2	10	9.5	e49	e17	e23	e20	6.1	2.6	3.7
18	18	4.1	4.0	10	9.4	e46	e16	e21	e20	6.2	2.7	4.2
19	14	5.1	4.1	12	9.1	e80	e19	e25	e21	7.0	3.0	4.6
20	12	7.2	4.3	12	8.2	e66	e18	e26	e22	7.2	3.1	4.2
21	10	6.0	4.3	12	8.0	e43	e19	e24	e20	6.6	3.2	4.4
22	9.9	e7.6	4.1	e11	9.2	e46	e18	e20	e19	6.8	3.5	4.5
23	9.6	e7.0	4.3	e11	8.5	e49	e15	e32	e17	9.3	4.1	4.1
24	9.8	e6.0	4.5	e11	9.3	e42	e16	e30	e16	8.1	4.3	4.3
25	9.7	e4.9	4.3	11	11	e37	e17	e45	e15	7.4	4.1	4.6
26	9.6	e4.3	4.5	9.2	13	e32	e17	e58	e14	6.3	3.9	4.7
27	9.3	e4.4	4.7	9.3	14	e28	e17	e50	13	5.8	3.8	4.6
28	8.5	e4.7	4.6	7.3	15	e25	e18	e44	13	4.7	3.9	4.0
29	8.5	4.9	4.7	6.4	---	e22	e20	e39	12	4.6	3.7	5.6
30	9.2	5.1	4.4	6.3	---	e21	e28	e32	11	4.8	3.8	6.6
31	9.4	---	4.1	6.3	---	e30	---	e29	---	4.6	3.7	---
TOTAL	307.6	202.1	158.1	250.8	239.2	1561	671	911	600	250.6	120.3	128.5
MEAN	9.92	6.74	5.10	8.09	8.54	50.4	22.4	29.4	20.0	8.08	3.88	4.28
MAX	23	10	7.0	12	15	140	35	58	33	16	5.2	6.6
MIN	3.3	4.1	3.5	3.8	4.9	14	15	19	11	4.6	2.6	2.9
AC-FT	610	401	314	497	474	3100	1330	1810	1190	497	239	255

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

MEAN	6.69	6.01	4.71	4.13	4.89	18.1	24.7	14.4	9.37	3.02	2.67	3.71
MAX	12.5	9.49	7.82	8.09	8.54	50.4	45.6	35.6	29.5	8.08	7.73	8.38
(WY)	1986	1992	1985	1995	1995	1995	1942	1983	1983	1995	1983	1984
MIN	2.26	2.77	2.11	2.00	2.91	5.67	4.25	3.13	.86	.39	.000	.37
(WY)	1945	1945	1945	1944	1993	1992	1992	1992	1946	1944	1942	1942

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1942 - 1995	
ANNUAL TOTAL	2426.59		5400.2			
ANNUAL MEAN	6.65		14.8		8.49	
HIGHEST ANNUAL MEAN					14.8	1995
LOWEST ANNUAL MEAN					4.23	1992
HIGHEST DAILY MEAN	26	Mar 5	140	Mar 11	206	Apr 4 1942
LOWEST DAILY MEAN	.40	Jul 17	2.6	Aug 17	.00	Jul 2 1942
ANNUAL SEVEN-DAY MINIMUM	.58	Jul 15	2.9	Aug 15	.00	Aug 1 1942
ANNUAL RUNOFF (AC-FT)	4810		10710		6150	
10 PERCENT EXCEEDS	13		30		19	
50 PERCENT EXCEEDS	4.9		8.8		4.9	
90 PERCENT EXCEEDS	2.0		4.1		1.0	

e Estimated

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40%53'43", long 111%24'04", in NE1/4SW1/4NE1/4 sec. 20, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi upstream from high-water line of Echo Reservoir, 1.4 mi south of Coalville, 1.7 mi upstream from Chalk Creek, and 5.5 mi downstream from Silver Creek.

DRAINAGE AREA.--435 mi^2.

PERIOD OF RECORD.--April 1927 to current year.

REVISED RECORDS.--WSP 1314: 1943(M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,600 ft above sea level, from topographic map. Prior to Mar. 22, 1931, nonrecording gage, Mar. 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many diversions for irrigation above station. No diversion between station and Echo Reservoir. Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by several small reservoirs above station, and since Apr. 1, 1957, by Rockport Reservoir (see station 10129400).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft^3/s May 6, 1952; maximum gage height, 5.08 ft (present datum) May 29, 1951; minimum, 6 ft^3/s Sept. 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,500 ft^3/s June 18, gage height, 4.58 ft; minimum daily discharge, 33 ft^3/s Feb. 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	197	44	e45	e44	e43	170	193	646	1430	196	176
2	189	149	44	e45	e47	e43	170	246	607	1420	185	177
3	198	200	45	e44	e49	e46	170	268	875	1440	179	175
4	217	197	50	e47	e49	e44	170	271	1210	1430	179	175
5	228	200	52	e49	e49	e45	178	265	1290	1420	178	181
6	226	201	51	e50	e46	e43	182	261	1140	1380	176	183
7	215	198	53	e46	e48	e41	180	255	1180	1340	173	185
8	206	196	54	e47	e46	e50	182	251	1350	1340	170	190
9	202	194	51	e45	e45	e78	183	249	1350	1290	172	193
10	201	196	50	e44	e44	e84	180	253	1340	1180	175	193
11	198	195	51	e44	e44	e80	177	261	1330	1060	173	196
12	197	198	e46	e46	e43	e78	122	277	1320	955	171	195
13	197	196	e44	e50	e42	e76	88	278	1310	966	170	193
14	189	196	e41	e49	e43	e72	173	277	1310	1000	174	196
15	225	192	e43	e45	e38	101	172	271	1320	940	165	198
16	218	194	e38	e44	e35	122	151	272	1380	889	168	199
17	222	191	e40	e43	e33	123	150	271	1450	783	176	195
18	223	136	e43	e43	e38	158	162	280	1500	653	175	192
19	217	47	e42	e43	e44	234	169	281	1490	581	175	193
20	212	55	e40	e40	e48	208	181	285	1450	540	174	196
21	207	46	e39	e42	e48	217	174	283	1440	457	173	196
22	202	60	e42	e40	e46	222	175	281	1470	396	163	198
23	200	65	e46	e45	e46	210	176	312	1470	367	160	203
24	199	61	e48	e47	e47	202	173	325	1470	332	166	207
25	199	e52	e50	e48	e48	193	161	317	1360	291	166	211
26	199	e47	e50	e50	e49	188	165	339	1220	272	165	208
27	199	e45	e49	e48	e47	184	167	335	1220	255	166	209
28	199	e44	e45	e47	e44	182	172	512	1290	243	167	209
29	199	e42	e47	e48	---	178	173	743	1410	214	168	215
30	199	e42	e46	e48	---	175	189	739	1440	196	168	217
31	197	---	e47	e46	---	171	---	729	---	198	170	---
TOTAL	6364	4032	1431	1418	1250	3891	5035	10180	38638	25258	5336	5854
MEAN	205	134	46.2	45.7	44.6	126	168	328	1288	815	172	195
MAX	228	201	54	50	49	234	189	743	1500	1440	196	217
MIN	185	42	38	40	33	41	88	193	607	196	160	175
AC-FT	12620	8000	2840	2810	2480	7720	9990	20190	76640	50100	10580	11610

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1995, BY WATER YEAR (WY)

MEAN	134	136	128	117	120	163	257	456	560	207	135	128
MAX	397	246	400	397	307	615	886	1529	1550	815	346	277
(WY)	1985	1986	1984	1984	1985	1986	1952	1952	1983	1995	1983	1958
MIN	21.2	32.0	27.9	20.0	28.1	27.5	31.4	44.3	43.8	14.9	21.1	9.80
(WY)	1935	1962	1978	1957	1981	1981	1981	1959	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1927 - 1995	
ANNUAL TOTAL	48352		108687			
ANNUAL MEAN	132		298		211	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	398	Jul 26	1500	Jun 18	2140	May 6 1952
LOWEST DAILY MEAN	37	Feb 2	33	Feb 17	7.0	Sep 18 1934
ANNUAL SEVEN-DAY MINIMUM	39	Jan 31	39	Feb 12	8.0	Sep 16 1934
ANNUAL RUNOFF (AC-FT)	95910		215600		152700	
10 PERCENT EXCEEDS	233		1160		441	
50 PERCENT EXCEEDS	121		180		146	
90 PERCENT EXCEEDS	42		44		44	

e Estimated

10131000 CHALK CREEK AT COALVILLE, UT

LOCATION.--Lat 40°55'14", long 111°24'03", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ sec. 8, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 100 ft downstream from bridge on U.S. Highway 189 in Coalville and 0.3 mi upstream from mouth.

DRAINAGE AREA.--250 mi^2.

PERIOD OF RECORD.--November 1904, March to November 1905, April 1927 to current year.

REVISED RECORDS.--WSP 1564: 1929. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,560.6 ft above sea level. Prior to Feb. 13, 1931, nonrecording gage at site 100 ft upstream at different datum. Feb. 13, 1931 to Oct. 15, 1941, water-stage recorder at site 300 ft upstream at different datum. Oct. 16, 1941 to Sept. 30, 1987 at datum 3.0 ft lower.

REMARKS.--Records good. 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 23	1000	*808	5.54	June 15	0600	722	*5.86
June 6	0700	*808	5.84				

Minimum discharge, 2.5 ft$^3/_s$ Dec. 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	31	19	9.3	27	30	48	159	336	205	43	32
2	22	31	18	11	32	32	49	214	454	202	42	32
3	24	30	20	12	28	27	48	221	501	279	41	32
4	28	21	22	11	25	33	51	176	522	293	40	32
5	19	26	23	11	26	29	57	175	488	226	39	34
6	26	31	19	12	24	27	67	179	659	195	40	31
7	17	28	22	13	21	21	72	163	387	175	40	36
8	15	28	6.8	14	23	26	84	154	422	164	40	35
9	17	27	12	18	23	30	82	158	372	162	38	34
10	17	26	14	20	20	33	75	177	298	155	37	35
11	15	25	16	22	19	86	70	225	301	154	39	32
12	15	28	17	17	11	98	71	268	457	159	35	32
13	16	31	18	20	20	70	72	238	604	156	43	32
14	17	22	18	21	20	62	87	226	603	147	54	32
15	33	13	17	23	9.3	74	81	214	600	140	46	31
16	31	22	18	21	17	85	77	258	563	127	39	31
17	36	18	18	21	22	85	81	238	436	120	37	31
18	41	22	18	16	24	93	84	246	429	103	36	31
19	37	16	18	22	20	182	84	285	362	137	36	30
20	33	19	15	13	22	116	87	345	360	109	38	29
21	33	24	15	14	23	112	86	418	322	100	42	29
22	33	15	16	14	26	107	80	450	309	91	47	29
23	32	15	17	15	26	89	82	704	290	102	60	29
24	32	15	18	18	28	90	83	554	278	81	66	29
25	31	15	19	19	30	67	82	469	258	71	56	29
26	30	18	19	19	32	70	87	561	246	66	49	29
27	29	18	17	19	31	60	86	496	242	63	46	30
28	30	18	16	18	28	57	99	357	239	55	42	28
29	32	18	19	14	---	50	112	302	223	43	38	28
30	29	18	17	18	---	51	148	290	185	43	36	28
31	26	---	11	21	---	49	---	280	---	45	36	---
TOTAL	818	669	532.8	516.3	657.3	2041	2372	9200	11746	4168	1321	932
MEAN	26.4	22.3	17.2	16.7	23.5	65.8	79.1	297	392	134	42.6	31.1
MAX	41	31	23	23	32	182	148	704	659	293	66	36
MIN	15	13	6.8	9.3	9.3	21	48	154	185	43	35	28
AC-FT	1620	1330	1060	1020	1300	4050	4700	18250	23300	8270	2620	1850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	21.3	23.5	20.8	20.5	23.5	39.4	116	281	177	46.8	23.3	21.3
MAX	66.7	60.3	54.2	49.8	94.6	168	378	775	811	194	89.9	69.2
(WY)	1983	1985	1984	1984	1986	1986	1986	1986	1983	1983	1984	1983
MIN	1.00	4.57	8.52	8.93	11.6	15.9	13.7	6.90	1.70	1.55	1.48	1.00
(WY)	1935	1935	1940	1961	1940	1964	1934	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	14866.2		34973.4			
ANNUAL MEAN	40.7		95.8		68.0	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	259	May 14	704	May 23	1420	May 22 1993
LOWEST DAILY MEAN	6.4	Aug 7	6.8	Dec 8	1.0	Jun 8 1934
ANNUAL SEVEN-DAY MINIMUM	8.5	Jul 24	11	Dec 31	1.0	Aug 19 1934
ANNUAL RUNOFF (AC-FT)	29490		69370		49270	
10 PERCENT EXCEEDS	100		282		182	
50 PERCENT EXCEEDS	22		33		25	
90 PERCENT EXCEEDS	12		17		10	

10131500 ECHO RESERVOIR AT ECHO, UT

LOCATION.--Lat 40°57'50", long 111°25'55", in NE¼NW¼SW¼ sec. 30, T. 3 N., R. 5 E., Summit County, Hydrologic Unit 16020101, near outlet works at left end of Echo Dam on Weber River, 1.1 mi southeast of Echo.

DRAINAGE AREA.--726 mi².

PERIOD OF RECORD.--October 1930 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 5,450 ft above sea level (levels by Bureau of Reclamation). Prior to 1932, elevations obtained from mercury gage in valve house and staff gage.

REMARKS.--Records fair. Reservoir is formed by earthfill, rock-faced dam; storage began in October 1930; dam completed in 1931. Capacity, 73,940 acre-ft between elevation 5,450 ft (bottom of outlet tunnel) and 5,560 ft (top of radial gages in spillway) above mean sea level. Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation of the Echo Project.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 75,420 acre-ft June 13, 1983, elevation, 5,561.0 ft; no contents Sept. 12 to Dec. 3, 1931, Sept. 24 to Nov. 2, 1934, Oct. 12 to Nov. 21, 1944, Oct. 1 to Nov. 15, 1954, Sept. 11-20, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 74,190 acre-ft July 18, elevation, 5,560.2 ft; minimum, 10,850 acre-ft Oct. 1, elevation, 5,498.3 ft.

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

5,495	9,110	5,520	26,620	5,545	53,360
5,500	11,830	5,525	31,180	5,550	59,880
5,505	14,920	5,530	36,100	5,555	66,740
5,510	18,480	5,535	41,440	5,560	73,940
5,515	22,390	5,540	47,200	5,561	75,420

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10930	24750	33210	37160	41160	44800	51310	55980	68610	72350	65610	49330
2	11050	25150	33330	37270	41380	44910	51310	56450	68810	72400	64840	48990
3	11270	25520	33460	37370	41540	45020	51400	57180	69120	72670	64090	48580
4	11610	25920	33610	37470	41700	45150	51490	57780	69650	72810	63190	48350
5	12010	26330	33770	37580	41850	45270	51630	58370	70030	72760	62390	47890
6	12540	26750	33930	37710	42000	45210	51790	58950	70780	72750	61690	47610
7	13060	27170	34090	37820	42140	45100	51960	59490	71240	72680	60900	47170
8	13530	27580	34220	37930	42300	44970	52150	59980	71140	72580	60250	46740
9	14010	27990	34320	38050	42450	44890	52390	60460	71050	72670	59560	46240
10	14480	28380	34430	38190	42600	44800	52540	60930	70800	72830	58770	45770
11	14940	28790	34560	38370	42760	44960	52720	61530	70500	73090	57990	45270
12	15400	29200	34690	38520	42940	45570	52820	62330	70250	72920	57290	44840
13	15860	29630	34830	38660	43090	45920	52810	63120	70110	72680	56600	44300
14	16310	30030	34960	38800	43260	46260	52890	63830	70100	72790	55970	43890
15	16840	30420	35080	39000	43390	46620	53060	64490	70060	72930	55330	43400
16	17380	30840	35220	39180	43500	47090	53210	65200	70010	72940	54680	43020
17	17910	31270	35340	39320	43640	47430	53350	65930	69690	72850	54050	42510
18	18450	31660	35470	39450	43740	47800	53470	66710	69640	72840	53420	42040
19	18970	31830	35610	39580	43820	48090	53650	67500	69670	72960	52740	41640
20	19470	31930	35720	39700	43900	48620	53840	68390	69850	72950	52190	41230
21	19950	32060	35830	39810	43990	49200	54010	69350	70370	72900	51690	40760
22	20410	32170	35940	39910	44080	49710	54180	70330	70720	72620	51540	40470
23	20870	32250	36070	40010	44170	50040	54350	71070	70930	72210	51380	40100
24	21310	32350	36190	40140	44280	50440	54540	71470	71230	71890	51340	39680
25	21760	32470	36330	40270	44380	50780	54660	71190	71520	71310	51230	39260
26	22210	32620	36450	40400	44490	51020	54840	70440	72090	70620	51010	38920
27	22640	32740	36590	40530	44600	51020	55000	69640	72440	69870	50770	38560
28	23070	32850	36720	40660	44700	51110	55160	68580	72560	69080	50610	38320
29	23490	32970	36840	40780	---	51160	55340	68030	72540	68200	50270	38150
30	23920	33070	36970	40900	---	51210	55640	68310	72320	67310	50020	38090
31	24340	---	37080	41030	---	51250	---	68560	---	66470	49640	---
MAX	24340	33070	37080	41030	44700	51250	55640	71470	72560	73090	65610	49330
MIN	10930	24750	33210	37160	41160	44800	51310	55980	68610	66470	49640	38090
(#)	5517.3	5527.0	5530.9	5534.6	5537.9	5543.3	5546.8	5556.3	5558.9	5554.8	5542.0	5531.9
(*)	+14370	+8730	+4010	+3950	+3670	+6550	+4390	+12920	+3760	-5850	-16830	-11550

CAL YR 1994 ..... (*) -23,810
WTR YR 1995 ..... (*) +28,120

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

10132000 WEBER RIVER AT ECHO, UT

LOCATION.--Lat 40°58'04", long 111°26'13", in $NE^1/_4SE^1/_4NE^1/_4$ sec. 25, T. 3 N., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 0.5 mi downstream from Echo Dam, 150 yards upstream from Echo Creek, 0.75 mi southeast of Echo, Ut.

DRAINAGE AREA.--727 mi^2.

PERIOD OF RECORD.--April 1927 to September 1960, October 1988 to current year. Monthly discharge only October 1958 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above sea level, from Echo Reservoir elevations. Prior to Apr. 18, 1931, staff gage at site 0.3 mi upstream at different datum. Apr. 18, 1931 to Mar. 23, 1950, water-stage recorder at site 0.1 mi downstream at different datum. Mar. 24, 1950 to Sept. 30, 1960 water-stage recorder at site 0.25 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Echo Reservoir (see station 10131500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 $ft^3/_s$ May 13, 1952, gage height 7.34 ft, datum then in use; minimum discharge, 0.15 $ft^3/_s$ Jan. 3, 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,180 $ft^3/_s$ June 17, gage height, 4.82 ft; minimum daily discharge 0.19 $ft^3/_s$, Nov. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	.51	.61	e.85	1.0	32	200	169	1010	1630	662	398
2	147	.56	.61	e.87	.93	32	200	168	1020	1590	657	410
3	98	.50	.61	e.89	.92	32	183	168	1150	1620	645	397
4	71	.49	.63	e.88	.95	32	163	169	1490	1690	666	410
5	54	.52	.63	e.88	.97	38	164	169	1560	1680	655	424
6	13	.49	.63	e.87	.97	138	165	169	1290	1590	621	421
7	.63	.36	.63	e.85	.96	129	166	169	1630	1540	596	452
8	.63	.19	.63	e.83	.97	130	166	170	1890	1500	582	493
9	.63	.30	.65	e.82	.97	129	167	172	1890	1310	583	493
10	.63	.49	.65	e.86	.97	114	167	172	1860	1200	601	483
11	.50	.49	.57	.89	.97	21	166	172	1860	1200	606	483
12	.43	.56	.52	.87	.97	1.1	166	173	1860	1190	586	484
13	.45	.57	.49	.87	.97	1.1	166	174	1920	1100	572	487
14	.69	.56	.52	.88	.99	1.1	166	174	1940	1010	560	490
15	1.1	.55	.70	.93	.97	1.1	164	176	1930	982	549	468
16	1.1	.60	.70	.87	.97	1.2	164	176	2010	962	557	461
17	.38	.59	.70	.87	12	68	166	176	2130	851	548	481
18	.66	.63	.70	.87	32	109	166	174	1990	722	536	498
19	.47	.57	.70	.87	32	109	166	173	1890	653	545	479
20	.55	.58	.70	.87	32	109	167	175	1630	645	532	442
21	.49	.63	.70	.87	32	109	166	175	1530	646	468	442
22	.50	.61	.66	.87	32	109	166	294	1690	650	311	441
23	.49	.57	.58	.86	32	109	166	555	1680	642	286	440
24	.49	.49	.67	.78	32	161	166	872	1620	611	277	439
25	.53	.43	.70	.78	32	197	166	1070	1390	657	301	441
26	.49	.41	.70	.69	32	196	166	1300	1230	722	330	435
27	.49	.56	.72	.84	32	196	167	1310	1300	738	330	406
28	.46	.62	.78	.91	32	198	167	1380	1520	739	341	381
29	.49	.57	.78	.96	---	200	168	1120	1730	725	346	357
30	.50	.59	.85	.96	---	200	168	908	1710	691	365	258
31	.56	---	.86	.92	---	200	---	967	---	667	384	---
TOTAL	573.34	15.59	20.58	26.83	379.45	3102.6	5064	13389	49350	32153	15598	13194
MEAN	18.5	.52	.66	.87	13.6	100	169	432	1645	1037	503	440
MAX	176	.63	.86	.96	32	200	200	1380	2130	1690	666	498
MIN	.38	.19	.49	.69	.92	1.1	163	168	1010	611	277	258
AC-FT	1140	31	41	53	753	6150	10040	26560	97890	63780	30940	26170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1995, BY WATER YEAR (WY)

MEAN	116	109	89.6	87.4	87.4	92.1	181	586	719	475	391	261
MAX	297	263	194	175	214	506	580	2158	1682	1037	597	492
(WY)	1994	1928	1928	1928	1952	1952	1938	1952	1950	1995	1990	1993
MIN	.45	.43	.29	.43	.42	.75	1.12	27.2	235	156	49.9	23.0
(WY)	1993	1993	1993	1955	1993	1993	1955	1991	1934	1928	1931	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1928 - 1995	
ANNUAL TOTAL	78451.61		132866.39			
ANNUAL MEAN	215		364		267	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	630	Jul 2	2130	Jun 17	3010	May 7 1952
LOWEST DAILY MEAN	.19	Nov 8	.19	Nov 8	.17	Jan 3 1991
ANNUAL SEVEN-DAY MINIMUM	.41	Nov 4	.41	Nov 4	.19	Dec 6 1992
ANNUAL RUNOFF (AC-FT)	155600		263500		193500	
10 PERCENT EXCEEDS	562		1300		585	
50 PERCENT EXCEEDS	130		166		158	
90 PERCENT EXCEEDS	.56		.56		3.0	

e Estimated

10132490 LOST CREEK RESERVOIR NEAR CROYDON, UT

LOCATION.--Lat 41°11'05", long 111°23'59", in NW$^1/_4$SE$^1/_4$NE$^1/_4$ sec. 8, T. 5 N., R. 5 E., Morgan County, Hydrologic Unit 16020101, 1.9 mi upstream from Hell Canyon and 8.1 mi northeast of Croydon.

DRAINAGE AREA.--123 mi^2.

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

GAGE.--Indicating float tape in gage house on top of dam until Apr. 29, 1989, water-stage recorder equipped with satellite transmission thereafter. Datum of gage is 5,912.3 ft above sea level, (levels by Bureau of Reclamation).

REMARKS.--Records good except for estimated daily contents, which are poor. Reservoir is formed by earthfill rock-faced dam; active storage began Apr. 22, 1967. Active capacity, 20,010 acre-ft at elevation 6,005.0 ft above mean sea level. Dead storage, 2,500 acre-ft between elevation 5,835.0 ft (streambed at dam axis) and 5,912.3 ft (top of dead storage). Figures given herein represent active contents. Water is used for irrigation, fish and wildlife propagation along Lost Creek, and irrigation, municipal, and industrial use below confluence of Lost Creek and Weber River.

COOPERATION.--Gage-height record until Apr. 29, 1989, and capacity table provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed contents, 21,270 acre-ft, May 30, June 1, 1983; elevation, 6,008.4 ft. Minimum daily mean since original filling of reservoir, 3,920 acre-ft Oct. 28, 29, 1992, elevation, 5,943.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 20,540 acre-ft June 3, 4, elevation, 6,006.4 ft; minimum daily contents, 12,150 acre-ft Jan. 3, elevation, 5,980.8 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

5,980	11,910	6,000	18,220
5,985	13,350	6,005	20,010
5,990	14,890	6,010	21,890
5,995	16,510		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12320	12170	12160	12190	12240	12530	14490	16980	20460	20240	19130	16000
2	12310	12180	12160	12190	12250	12560	14520	17140	20520	20240	19070	15860
3	12290	12180	12160	12150	12260	12570	14550	17280	20540	20240	19010	15710
4	12250	12180	12160	12170	12260	12610	14570	17360	20540	20240	18950	15540
5	12260	12170	12160	12170	12270	12640	14610	17500	20530	20240	18880	15400
6	12280	12170	12170	12170	12290	12660	14690	17670	20520	20220	18810	15290
7	12290	12170	12170	12180	12300	12660	14790	17770	20500	20220	18730	15190
8	12290	12170	12170	12180	12310	12680	14930	17840	20500	20210	18630	15130
9	12280	12170	12160	12180	12320	12700	15070	17870	20500	20210	18540	15060
10	12280	12180	12160	12190	12310	12720	15180	17920	e20480	20210	18450	15000
11	12270	12180	12160	12200	12320	12790	15260	17980	e20460	20200	18400	14930
12	12260	12180	12160	12200	12340	12890	15350	18030	e20440	20190	18340	14880
13	12250	12170	12160	12210	12350	12970	15430	18060	e20420	20160	18260	14830
14	12250	12170	12160	12210	12360	13030	15560	18080	e20410	20110	18200	14750
15	12250	12170	12160	12220	12350	13100	15660	18080	e20400	20060	18130	14680
16	12250	12170	12180	12230	12340	13180	15750	18130	e20390	20020	18070	14620
17	12260	12180	12190	12230	12340	13250	15850	18190	e20370	19980	18000	14560
18	12250	12180	12190	12230	12350	13340	15930	18280	e20360	19940	17930	14520
19	12250	12180	12190	12230	12340	13440	16010	18400	e20340	19910	17860	14480
20	12250	12170	12190	12230	12340	13550	16080	18540	e20330	19860	17790	14450
21	12250	12170	12200	12230	12420	13660	16160	18680	e20310	19810	17720	14400
22	12250	12170	12190	12230	12460	13800	16220	18880	e20300	19760	e17570	14360
23	12250	12170	12190	12230	12480	13910	16280	19100	e20290	19690	e17410	14310
24	12240	12170	12190	12230	12480	14010	16330	19310	e20270	19640	e17260	14270
25	12230	12160	12200	12230	12480	14090	16390	19500	e20260	19580	e17100	14230
26	12230	12160	12200	12230	12480	14150	16460	19690	e20250	19520	e16930	14190
27	12220	12160	12200	12230	12500	14230	16530	19880	e20240	19470	e16760	14180
28	12220	12160	12200	12230	12520	14310	16610	20070	e20240	19400	e16660	14160
29	12210	12160	12200	12230	---	14350	16710	20220	e20240	19330	e16440	14150
30	12200	12160	12200	12230	---	14420	16850	20340	20240	19270	e16280	14150
31	12180	---	12200	12230	---	14470	---	20410	---	19190	16160	---
MAX	12320	12180	12200	12230	12520	14470	16850	20410	20540	20240	19130	16000
MIN	12180	12160	12160	12150	12240	12530	14490	16980	20240	19190	16160	14150
(#)	5980.9	5980.9	5981.0	5981.1	5982.1	5988.6	5996.0	6006.1	6005.6	6002.7	5993.9	5987.6
(*)	-170	-20	+40	+30	+290	+1950	+2380	+3560	-170	-1050	-3030	-2010

CAL YR 1994 ..... (*) -1430
WTR YR 1995 ..... (*) +1800

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

10133540 KIMBALL CREEK ABOVE EAST CANYON CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°43'31", long 111°30'49", in $NW^1/_4NE^1/_4NE^1/_4$ sec. 20, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank below footbridge in State rest area along Interstate I-80, 1.5 mi east of Kimball Junction and 5.5 mi north of Park City.

DRAINAGE AREA.--12.2 mi^2.

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

REVISED RECORDS.--WRD UT-92-1: 1991.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 221 ft^3/s May 7, 1993, gage height, 5.17 ft; no flow many days during July, August and September 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 137 ft^3/s Mar. 19, gage height, 4.61 ft; minimum daily discharge, 0.01 ft^3/s many days during October.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.03	.03	e.07	e.04	6.8	6.3	19	10	e.46	e.07	e.03
2	.01	e.02	.04	e.09	e.04	6.3	6.1	50	14	e.48	e.05	e.03
3	.01	e.03	.04	e.11	.03	7.4	6.7	44	12	e.52	e.04	e.04
4	.01	.03	.04	e.08	.04	8.4	9.0	e29	10	e.60	e.04	e.04
5	.01	.04	e.04	e.05	.05	11	12	22	10	e.51	e.05	e.04
6	.01	.04	e.04	e.03	.06	10	12	24	7.1	e.42	e.04	e.03
7	.01	.05	e.03	e.02	.08	9.0	11	20	6.7	e.35	e.03	e.03
8	.01	.04	e.03	e.02	.10	8.9	14	19	12	e.32	e.04	e.02
9	.01	.04	e.03	e.03	.14	12	13	15	10	e.29	e.03	e.02
10	.01	.04	.04	e.04	.18	28	12	15	8.2	e.27	e.04	e.02
11	.01	.03	.03	e.04	.22	89	9.5	18	7.9	e.25	e.04	e.02
12	.02	.03	.04	e.05	.25	47	8.8	29	e5.5	e.24	e.03	e.03
13	.01	.04	e.03	e.05	.36	29	9.2	25	e5.6	e.24	e.03	e.03
14	.01	e.03	e.02	e.05	.35	34	11	25	e5.7	e.26	e.04	e.03
15	.03	e.03	e.03	e.04	.38	39	8.6	21	e5.8	e.24	e.03	e.04
16	.03	e.03	.04	e.04	.53	35	7.6	16	e5.9	e.20	e.03	e.04
17	.03	e.03	.04	e.05	.68	32	9.4	16	e6.0	e.21	e.02	e.03
18	.04	e.03	e.03	e.04	.76	29	8.9	19	e6.1	e.21	e.02	e.03
19	.04	e.03	e.02	e.03	.93	71	10	15	e6.2	e.22	e.02	e.04
20	.03	e.02	e.02	e.03	.82	28	9.2	20	e5.8	e.20	e.03	e.03
21	.03	e.02	e.03	e.02	.93	32	9.7	14	e5.0	e.19	e.03	e.04
22	.03	e.02	e.04	e.02	.99	35	8.7	12	e4.2	e.22	e.03	e.04
23	.03	e.02	e.04	e.02	1.3	21	8.3	29	e3.5	e.24	e.03	e.04
24	.03	e.03	.04	e.04	1.4	19	8.6	28	e2.5	e.22	e.04	e.04
25	.02	.04	.05	e.09	2.1	14	9.2	27	e1.8	e.18	e.04	e.04
26	.03	.03	.06	e.08	2.6	12	11	34	e1.4	e.16	e.03	e.05
27	.02	e.02	.06	e.07	7.5	11	11	30	e1.2	e.14	e.03	e.04
28	.02	e.02	.06	e.06	8.2	8.7	13	21	e1.1	e.11	e.03	e.05
29	.02	e.02	e.06	e.06	---	7.2	13	17	e.90	e.10	e.03	e.05
30	e.01	e.03	e.05	e.05	---	6.5	27	13	e.60	e.09	e.03	e.06
31	e.02	---	e.05	e.05	---	6.5	---	11	---	e.10	e.03	---
TOTAL	0.61	0.91	1.20	1.52	31.06	713.7	313.8	697	182.70	8.24	1.07	1.07
MEAN	.020	.030	.039	.049	1.11	23.0	10.5	22.5	6.09	.27	.035	.036
MAX	.04	.05	.06	.11	8.2	89	27	50	14	.60	.07	.06
MIN	.01	.02	.02	.02	.03	6.3	6.1	11	.60	.09	.02	.02
AC-FT	1.2	1.8	2.4	3.0	62	1420	622	1380	362	16	2.1	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	.064	.040	.052	.069	.31	7.54	5.41	8.08	1.52	.062	.017	.14
MAX	.25	.078	.082	.10	1.11	23.0	10.5	22.5	6.09	.27	.035	.71
(WY)	1994	1994	1994	1993	1995	1995	1995	1995	1995	1995	1995	1993
MIN	.010	.013	.020	.046	.060	.90	.96	.24	.025	.011	.006	.004
(WY)	1993	1993	1991	1991	1990	1992	1992	1992	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	372.76		1952.88			
ANNUAL MEAN	1.02		5.35		1.96	
HIGHEST ANNUAL MEAN					5.35	1995
LOWEST ANNUAL MEAN					.21	1992
HIGHEST DAILY MEAN	7.8	Apr 4	89	Mar 11	114	May 7 1993
LOWEST DAILY MEAN	.00	Jul 29	.01	Oct 1	.00	Jul 7 1990
ANNUAL SEVEN-DAY MINIMUM	.00	Aug 24	.01	Oct 1	.00	Aug 21 1990
ANNUAL RUNOFF (AC-FT)	739		3870		1420	
10 PERCENT EXCEEDS	5.7		18		6.0	
50 PERCENT EXCEEDS	.04		.07		.06	
90 PERCENT EXCEEDS	.01		.02		.01	

e Estimated

10133600 McLEOD CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°41'15", long 111°31'58", in SW$^1/_4$NE$^1/_4$SE$^1/_4$ sec. 31, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, 50 ft below channel dividing structure, 3.2 mi northwest of Park City.

DRAINAGE AREA.--8.78 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,590 ft above sea level, from topographic map.

REMARKS.--Records good except for winter period, which is fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133 ft$^3/_s$ June 17, 1995; minimum daily discharge, 0.69 ft$^3/_s$, Jan. 9, 11, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 133 ft$^3/_s$ June 17; minimum daily discharge, 2.5 ft$^3/_s$ Nov. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.8	11	4.0	7.5	10	12	37	68	70	17	15
2	3.1	4.6	11	4.3	8.0	10	13	31	85	69	16	14
3	7.6	3.3	10	4.4	7.9	10	12	29	99	75	15	15
4	7.7	2.5	9.3	4.7	7.5	12	16	32	101	65	15	15
5	8.4	3.6	9.7	4.6	7.3	11	20	29	99	61	15	14
6	5.5	5.4	8.1	5.2	7.9	9.8	19	29	109	58	14	16
7	4.4	7.9	7.1	5.8	6.9	9.1	19	24	99	55	14	13
8	4.3	6.0	5.6	7.5	7.7	9.9	20	27	97	56	15	12
9	4.7	4.8	5.0	7.7	7.3	10	22	30	73	55	14	13
10	4.4	6.3	4.1	8.3	7.1	19	27	43	62	53	14	14
11	5.1	6.5	4.0	7.6	6.5	51	25	35	57	52	14	12
12	5.3	8.2	4.5	5.1	6.8	23	24	33	63	52	14	11
13	5.2	5.3	4.6	7.1	6.9	18	23	31	83	50	14	11
14	8.7	3.5	4.2	8.0	9.4	20	22	29	104	47	14	11
15	15	3.9	3.6	9.9	8.7	24	21	29	117	43	12	12
16	7.6	6.1	4.1	6.1	7.7	23	22	31	117	40	11	12
17	9.6	5.5	4.7	4.8	8.1	22	20	35	106	38	11	12
18	12	5.2	4.9	4.1	8.2	25	24	39	94	35	11	13
19	9.4	4.1	5.6	5.5	7.7	35	22	35	85	33	11	12
20	8.8	4.2	6.4	5.0	8.0	25	21	47	84	29	12	12
21	8.1	4.5	6.5	4.5	8.6	31	19	55	85	28	12	11
22	7.5	4.6	7.2	4.9	8.7	27	20	68	83	25	12	10
23	7.5	4.9	7.2	5.3	8.5	21	18	89	77	25	12	11
24	7.7	5.6	8.5	6.5	9.1	20	19	84	74	24	12	10
25	7.6	7.0	8.1	7.8	8.9	17	17	77	74	22	11	11
26	8.2	5.1	7.7	7.3	8.1	16	18	74	75	21	9.3	12
27	7.8	3.8	8.0	5.6	8.8	15	19	65	80	21	9.1	13
28	7.8	4.1	6.9	5.1	10	14	29	55	81	19	8.8	11
29	4.8	4.9	7.3	4.6	---	14	23	52	78	19	8.3	12
30	2.7	8.5	5.8	6.8	---	13	37	52	73	19	9.6	12
31	2.7	---	4.6	7.6	---	13	---	58	---	18	13	---
TOTAL	212.6	153.7	205.3	185.7	223.8	577.8	623	1384	2582	1277	390.1	372
MEAN	6.86	5.12	6.62	5.99	7.99	18.6	20.8	44.6	86.1	41.2	12.6	12.4
MAX	15	8.5	11	9.9	10	51	37	89	117	75	17	16
MIN	2.7	2.5	3.6	4.0	6.5	9.1	12	24	57	18	8.3	10
AC-FT	422	305	407	368	444	1150	1240	2750	5120	2530	774	738

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

MEAN	7.23	7.10	6.90	5.03	5.78	11.9	12.8	28.8	37.9	15.3	7.47	6.48
MAX	9.00	7.96	8.61	6.21	7.99	18.6	20.8	51.5	86.1	41.2	12.6	12.4
(WY)	1994	1994	1993	1994	1995	1995	1995	1993	1995	1995	1995	1995
MIN	5.93	5.12	4.68	3.69	1.97	8.70	7.38	8.05	5.85	5.33	3.65	2.74
(WY)	1993	1995	1991	1991	1993	1992	1992	1992	1992	1992	1992	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1991 - 1995	
ANNUAL TOTAL	3200.3		8187.0			
ANNUAL MEAN	8.77		22.4		12.7	
HIGHEST ANNUAL MEAN					22.4	1995
LOWEST ANNUAL MEAN					6.42	1992
HIGHEST DAILY MEAN	38	May 16	117	Jun 15	117	Jun 15 1995
LOWEST DAILY MEAN	2.0	Sep 24	2.5	Nov 4	.69	Jan 9 1993
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep 22	3.3	Oct 30	1.5	Feb 12 1993
ANNUAL RUNOFF (AC-FT)	6350		16240		9230	
10 PERCENT EXCEEDS	15		65		25	
50 PERCENT EXCEEDS	7.0		12		7.7	
90 PERCENT EXCEEDS	3.2		4.7		4.1	

10133895 EAST CANYON CREEK ABOVE BIG BEAR HOLLOW NEAR PARK CITY, UT

LOCATION.--Lat 40°47'21", long 111°35'48", in $SW^1/_4NW^1/_4SE^1/_4$ sec. 27, T. 1 N., R. 3 E., Summit County, Hydrologic Unit 16020101 on left bank, 100 ft above Big Bear Hollow, 2.2 mi north of Jeremy Ranch and 10 mi northwest of Park City.

DRAINAGE AREA.--75.0 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,120 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, from rating curve extended above 510 $ft^3/_s$, 866 $ft^3/_s$ May 7, 1993, gage height, 8.55 ft from highwater marks; minimum daily discharge, 0.75 $ft^3/_s$ July 31, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 469 $ft^3/_s$ Mar. 19, gage height, 7.56 ft; minimum daily discharge, 9.8 $ft^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	e14	e11	e21	32	59	96	146	113	33	15
2	9.8	15	e17	e12	e21	33	59	199	184	114	31	19
3	23	15	e17	e13	e22	33	59	153	201	137	29	18
4	39	16	e16	e15	e24	45	62	117	218	117	28	17
5	35	13	e14	e16	e25	43	71	116	198	105	27	21
6	39	18	e13	e17	e24	42	78	120	200	96	26	21
7	21	22	e12	e19	e23	39	76	104	197	89	25	19
8	17	18	e11	e20	e23	37	91	100	228	84	24	18
9	15	16	e10	e21	e22	42	90	93	192	84	24	17
10	14	16	e11	e21	e21	79	86	98	157	83	24	17
11	14	16	e11	e22	e20	238	78	121	140	80	25	17
12	13	23	e11	e21	e19	172	69	166	136	78	23	16
13	13	e20	e10	e23	e19	97	66	137	151	72	24	16
14	12	e16	e10	e25	e17	107	74	141	172	66	24	14
15	39	e12	e10	e21	e16	131	68	122	188	63	23	14
16	24	e13	e11	e18	e17	136	64	125	194	56	22	14
17	25	e13	e11	e18	e19	120	67	134	191	52	19	16
18	28	e12	e10	e18	e21	114	67	131	198	52	18	21
19	21	e13	e11	e17	e22	319	75	123	158	52	17	17
20	17	e12	e10	e16	e23	128	68	137	149	49	18	17
21	15	e11	e10	e15	e25	136	64	139	147	48	20	15
22	15	e10	e11	e15	e26	178	58	146	143	52	25	16
23	14	e11	e11	e16	e28	119	59	227	135	56	25	15
24	15	e13	e12	e17	e29	113	55	230	129	50	24	15
25	16	e14	e13	e18	e31	94	55	196	126	47	21	16
26	14	e13	e14	e19	e33	86	64	235	124	44	20	16
27	14	e12	e11	e20	e35	80	59	210	126	42	18	15
28	13	e13	e12	e20	e37	74	61	169	124	39	18	14
29	13	e12	e11	e20	---	67	65	153	121	36	17	19
30	12	e14	e11	e21	---	64	131	142	118	34	15	19
31	12	---	e10	e21	---	60	---	140	---	35	16	---
TOTAL	582.8	435	366	566	663	3058	2098	4520	4891	2125	703	504
MEAN	18.8	14.5	11.8	18.3	23.7	98.6	69.9	146	163	68.5	22.7	16.8
MAX	39	23	17	25	37	319	131	235	228	137	33	21
MIN	9.8	10	10	11	16	32	55	93	118	34	15	14
AC-FT	1160	863	726	1120	1320	6070	4160	8970	9700	4210	1390	1000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1995, BY WATER YEAR (WY)

MEAN	12.4	12.4	11.7	12.5	17.1	50.3	46.0	81.4	64.3	23.0	11.6	9.06
MAX	22.3	17.1	15.2	18.3	23.7	98.6	73.1	174	163	68.5	22.7	16.8
(WY)	1994	1994	1994	1995	1995	1995	1993	1993	1995	1995	1995	1995
MIN	4.23	9.84	8.96	7.25	12.1	20.9	16.5	13.1	7.69	5.87	5.31	5.45
(WY)	1993	1993	1991	1993	1990	1992	1992	1992	1992	1990	1992	1990

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1990 - 1995	
ANNUAL TOTAL	8456.6		20511.8			
ANNUAL MEAN	23.2		56.2		29.4	
HIGHEST ANNUAL MEAN					56.2	1995
LOWEST ANNUAL MEAN					11.3	1992
HIGHEST DAILY MEAN	90	May 17	319	Mar 19	550	May 7 1993
LOWEST DAILY MEAN	1.6	Sep 18	9.8	Oct 2	.75	Jul 31 1992
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 15	10	Dec 9	1.5	Oct 16 1992
ANNUAL RUNOFF (AC-FT)	16770		40690		21270	
10 PERCENT EXCEEDS	54		141		72	
50 PERCENT EXCEEDS	15		24		14	
90 PERCENT EXCEEDS	6.4		12		6.6	

e Estimated

10134000 EAST CANYON RESERVOIR NEAR MORGAN, UT

LOCATION.--Lat 40°55'14", long 111°35'59", in NE$^1/_4$SE$^1/_4$NW$^1/_4$ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on upstream face of concrete dam on East Canyon Creek, 9.0 mi southeast of Morgan.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--October 1931 to current year. October 1931 to September 1937, month-end contents only published in WSP 1314.

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

GAGE.--Water-stage recorder. Prior to Oct. 1, 1989, elevations determined from direct readings on upstream face of dam on days shown. Datum of gage is 5,577.0 ft above sea level, (levels by Bureau of Reclamation). Prior to Oct 1, 1953, staff gage at site 500 ft east of dam and Oct. 1, 1953 to Sept. 30, 1964, tape gage on upstream face of dam then in use at different datum. Oct. 1, 1964 to Sept. 30, 1965, temporary reference marks at present datum set by Bureau of Reclamation.

REMARKS.--Records good, except for estimates, which are fair. Reservoir was formed in 1896 by a 58-ft rockfill dam, capacity, 3,850 acre-ft, which was raised 25 ft in 1900, capacity, 9,000 acre-ft, raised 12 ft more in 1902, capacity, 14,000 acre-ft, was replaced in 1917 by concrete dam which formed a reservoir having a capacity of 25,790 acre-ft (revised), and was replaced in 1966 by present concrete thin-arch dam which forms a reservoir having an active capacity of 48,110 acre-ft between elevation 5,577.0 ft and 5,705.0 ft. Dead storage, 3,090 acre-ft. Figures given herein represent active contents. Water is used for irrigation in Morgan, Davis, and Weber Counties.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 49,840 acre-ft June 1, 1983, elevation, 5,707.5 ft; no contents at times in 1931, 1934, 1937, 1946, 1954, 1961, 1965, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily contents, 48,770 acre-ft June 25, 26, elevation, 5,706.0 ft; minimum daily, 25,270 acre-ft Oct. 07, elevation, 5,665.2 ft.

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

5,660	22,870	5,680	32,730	5,700	44,760
5,665	25,150	5,685	35,530	5,705	48,110
5,670	27,550	5,690	38,470	5,710	51,610
5,675	30,080	5,695	41,550		

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25380	26080	27050	28060	29330	31090	38110	39600	47500	48710	48110	38430
2	25340	26090	27070	28100	29390	31200	38050	39980	47530	48720	48020	38150
3	25290	26130	27100	28120	29450	31310	38000	40530	47660	48740	47880	37870
4	25280	26150	27150	28150	29520	31410	37950	40920	47810	48760	47740	37580
5	25290	26190	27190	28180	29580	31480	37940	41260	47930	48730	47580	37380
6	25280	26240	27220	28230	29630	31580	e37720	41630	47990	48700	47390	37170
7	25270	26270	27270	28280	29690	31680	e38220	41960	48070	48670	47160	37000
8	25310	26290	27300	28310	29750	31810	e38400	42270	48140	48630	46880	36820
9	25310	26290	27310	28350	29850	31880	e38570	42570	48220	48620	46620	e36700
10	25320	26330	27350	28390	29910	32000	e38770	42860	48210	48610	46350	e36590
11	25360	26360	27380	28440	29950	32140	e38930	43180	48150	48590	46100	e36460
12	25380	26390	27410	28480	30070	32710	e38980	43660	48070	48580	45830	e36370
13	25410	26420	27450	28530	30160	33210	38850	44140	48010	48570	45550	e36280
14	25450	26460	27480	28580	30270	33460	38820	44480	48100	48540	45260	e36200
15	25510	26480	27500	28640	30350	33790	38810	44820	48170	48520	44970	e36130
16	25560	26530	27540	28700	30430	34170	38790	45080	48240	48510	44670	e36050
17	25620	26570	27580	28740	30390	34540	38760	45300	48280	48490	44380	e36000
18	25710	26600	27610	28790	30290	34870	38750	45500	48360	48480	44070	e35940
19	25760	26630	27640	28830	30380	35440	38730	45610	48350	48480	43760	e35880
20	25800	26640	27660	28850	30460	36060	38720	45740	48320	48470	43460	e35820
21	25830	26680	27690	28880	30430	36360	38700	46000	48390	48450	43160	e35780
22	25860	26700	27730	28900	30460	36860	38670	46240	48590	48440	42750	e35740
23	25890	26710	27770	28930	30580	37280	38620	46490	48700	48450	42290	e35700
24	25920	26740	27810	28980	30660	37600	38600	46880	48750	48450	41830	e35680
25	25950	26780	27850	29030	30790	37820	38670	47060	48770	48440	41360	e35650
26	25940	26820	27890	29060	30880	37950	38820	47210	48770	48420	40890	e35620
27	25970	26850	27920	29120	30940	38080	38910	47410	48760	48400	40410	e35590
28	25990	26880	27960	29150	31020	38190	39010	47520	48750	48400	39930	e35590
29	26000	26950	28000	29170	---	38250	39120	47560	48740	48370	39500	e35590
30	26020	27020	28030	29210	---	38220	39320	47550	48730	48280	39120	e35590
31	26050	---	28050	29270	---	38170	---	47530	---	48200	38780	---
MAX	26050	27020	28050	29270	31020	38250	39320	47560	48770	48760	48110	38430
MIN	25270	26080	27050	28060	29330	31090	37720	39600	47500	48200	38780	35590
(#)	5666.9	5668.9	5671.0	5673.4	5676.8	5689.5	5691.4	5704.2	5705.9	5705.1	5690.5	5683.9
(*)	+620	+970	+1030	+1220	+1750	+7150	+1150	+8210	+1200	-530	-9420	-3190

CAL YR 1994 ..... (*) -10,040
WTR YR 1995 ..... (*) +10,160

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

10134500 EAST CANYON CREEK NEAR MORGAN, UT

LOCATION.--Lat 40°55'21", long 111°36'23", in $SW^1/_4NW^1/_4NW^1/_4$ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on right bank 2,500 ft downstream from East Canyon Dam, 2.4 mi upstream from Sheep Canyon, and 8.7 mi southeast of Morgan.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only prior to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder and Lyman rectangular weir. Elevation of gage is 5,460 ft above sea level, from river-profile map.

REVISED RECORDS.--WSP 1634, WDR UT-77-1: Drainage area.

REMARKS.--Records good. No diversions between station and East Canyon Reservoir (see preceding page), which completely regulates flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 872 $ft^3/_s$ May 4, 1952, gage height, 3.49 ft; minimum daily, 0.2 $ft^3/_s$ Dec. 19, 29, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 264 $ft^3/_s$ June 9; minimum daily discharge, 4.1 $ft^3/_s$, many days in October, November and December.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	4.1	4.1	4.7	4.9	4.7	104	21	229	155	82	186
2	37	4.1	4.1	4.7	5.1	4.7	104	11	230	154	103	178
3	37	4.1	4.1	4.7	4.8	4.8	104	11	230	165	112	177
4	32	4.1	4.1	4.7	4.9	4.8	104	11	230	170	112	156
5	30	4.1	4.1	4.7	5.1	4.7	64	11	232	156	134	146
6	25	4.1	4.1	4.7	5.1	4.7	47	11	233	145	142	124
7	22	4.1	4.1	4.7	5.3	4.7	48	11	239	131	162	115
8	18	4.1	4.1	4.7	5.0	4.8	49	11	249	121	171	94
9	17	4.1	4.1	4.7	4.7	5.1	49	11	264	114	172	85
10	12	4.1	4.1	4.7	4.6	5.3	49	11	259	110	175	85
11	11	4.1	4.1	4.7	4.7	5.3	48	11	250	105	175	80
12	7.6	4.1	4.1	4.7	4.5	5.3	91	11	242	103	184	76
13	6.0	4.1	4.1	4.7	4.6	5.3	102	38	197	99	187	70
14	6.0	4.1	4.1	4.7	4.7	5.3	103	49	188	91	184	68
15	5.1	4.1	4.1	4.7	4.7	4.9	102	49	199	85	181	68
16	4.5	4.1	4.1	4.7	4.7	4.7	103	90	211	78	178	60
17	4.2	4.1	4.1	4.7	4.7	4.7	103	108	220	72	178	55
18	4.1	4.1	4.1	4.7	4.7	4.8	103	149	233	69	177	50
19	4.1	4.1	4.1	4.7	4.7	5.2	102	163	229	70	175	48
20	4.1	4.1	4.4	4.7	4.7	4.9	103	131	217	67	175	46
21	4.1	4.1	4.7	4.7	4.7	5.3	103	111	90	63	193	45
22	4.1	4.1	4.7	4.7	4.7	5.3	103	137	107	62	260	45
23	4.1	4.1	4.7	4.7	4.7	5.3	103	148	144	64	261	40
24	4.1	4.1	4.7	4.7	4.7	5.3	62	190	159	63	263	38
25	4.1	4.1	4.7	4.7	4.7	33	45	229	163	60	264	38
26	4.1	4.1	4.7	4.7	4.7	46	45	230	166	58	264	38
27	4.1	4.1	4.7	4.7	4.7	46	45	229	166	53	263	34
28	4.1	4.1	4.7	4.7	4.7	46	45	228	163	49	239	32
29	4.1	4.1	4.7	4.7	---	86	45	228	160	75	228	32
30	4.1	4.1	4.7	4.7	---	103	45	229	157	71	210	31
31	4.1	---	4.7	4.7	---	104	---	229	---	83	204	---
TOTAL	369.8	123.0	134.0	145.7	133.8	583.9	2323	3107	6056	2961	5808	2340
MEAN	11.9	4.10	4.32	4.70	4.78	18.8	77.4	100	202	95.5	187	78.0
MAX	38	4.1	4.7	4.7	5.3	104	104	230	264	170	264	186
MIN	4.1	4.1	4.1	4.7	4.5	4.7	45	11	90	49	82	31
AC-FT	733	244	266	289	265	1160	4610	6160	12010	5870	11520	4640

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1995, BY WATER YEAR (WY)

MEAN	25.8	15.1	16.3	17.8	22.4	42.8	69.4	87.8	99.9	109	108	67.7
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1938 - 1995	
ANNUAL TOTAL	16316.3		24085.2			
ANNUAL MEAN	44.7		66.0		56.9	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	145	Sep 13	264	Jun 9	768	May 5 1952
LOWEST DAILY MEAN	4.1	Oct 18	4.1	Oct 18	.20	Dec 19 1964
ANNUAL SEVEN-DAY MINIMUM	4.1	Oct 18	4.1	Oct 18	1.1	Oct 30 1960
ANNUAL RUNOFF (AC-FT)	32360		47770		41250	
10 PERCENT EXCEEDS	116		195		152	
50 PERCENT EXCEEDS	8.9		30		26	
90 PERCENT EXCEEDS	4.1		4.1		4.3	

10136500 WEBER RIVER AT GATEWAY, UT

LOCATION.--Lat 41°08'13", long 111°49'54", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 27, T. 5 N., R. 1 E., Morgan County, Hydrologic Unit 16020102, on left bank 400 ft downstream from tailrace of Gateway powerplant, 500 ft upstream from Union Pacific Railroad bridge, 1,200 ft downstream from Strawberry Creek, and 3,200 ft east of section house at Gateway.

DRAINAGE AREA.--1,627 mi^2.

PERIOD OF RECORD.--November 1889 to June 1893, July to December 1893 (gage heights only), August 1894 to September 1899, August to November 1900, January to October 1901, April to June 1903 (gage heights and discharge measurements only), July to August 1919, August 1920 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Uinta" 1889-1903.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above sea level, by barometer. Oct. 13, 1889 to July 11, 1903, nonrecording gage at site 1.2 mi downstream at different datum. June 22, 1919 to Oct. 22, 1929, water-stage recorder at site 900 ft upstream at different datum. Oct. 22, 1929 to Nov. 27, 1964, at sites 1,300 ft downstream at different datums. Nov. 27, 1964 to Sept. 30, 1993, at present site at datum 10.0 ft lower.

REMARKS.--Records good. Many diversions for irrigation above and below station. Water diverted above station by Gateway Canal since July 1957, part of which returns to river above station through tailrace of Gateway hydro- electric powerplant. Flow regulated by Rockport, Echo, Lost Creek, and East Canyon Reservoirs (see stations 10129400, 10131500, 10132490, and 10134000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,980 ft$^3/_s$ May 31, 1896; minimum recorded, 30 ft$^3/_s$ Dec. 26, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,700 ft$^3/_s$ June 15, gage height, 16.65 ft; minimum daily discharge, 62 ft$^3/_s$ Nov. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	183	101	88	77	124	274	584	812	2090	1630	515	357
2	191	102	87	68	245	264	583	1110	2320	1640	508	381
3	185	101	82	71	211	314	589	1070	2470	1780	479	369
4	171	98	91	63	175	582	583	964	2730	1870	484	365
5	191	100	99	72	159	363	623	944	2990	1830	524	392
6	196	110	103	77	152	339	665	981	2850	1690	521	386
7	137	116	104	78	146	345	727	910	2650	1500	509	349
8	118	108	96	79	133	352	877	873	2950	1430	494	347
9	80	104	66	80	137	358	818	912	3130	1270	492	357
10	85	100	64	77	141	564	735	1010	3040	1090	517	381
11	e73	96	82	130	143	1300	671	1160	2930	1090	556	365
12	67	105	77	136	132	1150	634	1430	2840	1110	549	371
13	67	117	77	117	132	637	659	1230	2880	1060	549	377
14	72	115	84	120	151	570	746	1160	2920	939	551	381
5	90	109	84	153	132	611	740	1110	2920	895	531	376
6	96	117	80	140	118	639	703	1200	2720	883	507	345
7	116	125	84	112	124	588	686	1240	2730	820	504	340
18	133	125	83	102	148	684	649	1290	2740	727	441	420
19	123	118	90	101	165	970	653	1380	2370	655	405	436
20	98	98	78	98	166	834	648	1410	2240	614	443	404
21	97	104	77	94	183	923	608	1410	1830	570	454	411
22	91	87	79	86	182	1100	604	1510	1850	560	440	408
23	86	66	80	86	195	897	582	1940	1870	598	430	401
24	95	62	82	78	215	840	567	2030	1760	527	405	395
25	105	72	86	79	244	794	510	2130	1670	496	380	389
26	112	79	89	82	274	744	509	2400	1360	544	359	382
27	99	82	92	83	312	687	518	2420	1320	554	351	391
28	92	89	91	80	299	641	573	2340	1460	567	361	354
29	74	89	90	80	---	617	640	2300	1690	577	355	384
30	83	88	87	85	---	623	830	1890	1760	538	354	381
31	101	---	83	95	---	601	---	1950	---	524	352	---
TOTAL	3507	2983	2635	2879	4938	20205	19514	44516	71080	30578	14320	11395
MEAN	113	99.4	85.0	92.9	176	652	650	1436	2369	986	462	380
MAX	196	125	104	153	312	1300	877	2420	3130	1870	556	436
MIN	67	62	64	63	118	264	509	812	1320	496	351	340
AC-FT	6960	5920	5230	5710	9790	40080	38710	88300	141000	60650	28400	22600

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1995, BY WATER YEAR (WY)

MEAN	244	214	222	233	279	493	995	1547	1143	548	460	361
MAX	896	548	1463	1330	1947	2575	3000	4798	4239	1161	828	1196
(WY)	1985	1983	1984	1984	1986	1986	1986	1952	1983	1975	1983	1983
MIN	57.9	58.0	43.6	45.7	49.2	67.8	105	281	293	238	156	62.3
(WY)	1993	1962	1993	1991	1993	1964	1977	1992	1977	1931	1924	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1921 - 1995	
ANNUAL TOTAL	105297		228550			
ANNUAL MEAN	288		626		562	
HIGHEST ANNUAL MEAN					1397	1986
LOWEST ANNUAL MEAN					143	1961
HIGHEST DAILY MEAN	1070	Apr 23	3130	Jun 9	7390	May 5 1952
LOWEST DAILY MEAN	50	Feb 1	62	Nov 24	32	Jan 4 1993
ANNUAL SEVEN-DAY MINIMUM	55	Jan 31	72	Jan 1	35	Jan 31 1962
ANNUAL RUNOFF (AC-FT)	208900		453300		407400	
10 PERCENT EXCEEDS	572		1760		1330	
50 PERCENT EXCEEDS	304		381		354	
90 PERCENT EXCEEDS	81		82		98	

e Estimated

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°16'07", long 111°40'24", in $SE^1/_4NE^1/_4SW^1/_4$ sec. 12, T. 6 N., R. 2 E., Weber County, Hydrologic Unit 16020102, on right bank 0.5 mi downstream from Magpie Creek, 0.5 mi upstream from Huntsville Mountain Canal, 5.0 mi downstream from Causey Dam, and 5.0 mi east of Huntsville.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--March 1921 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,190 ft above sea level, by barometer. Prior to Aug. 14, 1934, at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. One small diversion above station. Flow regulated by Causey Reservoir since Jan. 4, 1966.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 $ft^3/_s$ May 3, 1952, gage height, 5.98 ft; minimum, 9 $ft^3/_s$ Feb. 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 572 $ft^3/_s$ May 23, gage height, 3.75 ft; minimum daily discharge, 25 $ft^3/_s$ Oct. 12, 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	27	31	e34	43	86	197	251	349	141	85	85
2	41	29	31	e32	59	82	168	272	401	135	84	85
3	41	28	32	e32	64	88	145	274	407	141	87	84
4	40	28	34	e33	61	104	156	311	375	128	86	84
5	41	29	35	34	60	89	185	324	357	118	86	78
6	38	29	36	34	59	90	224	327	356	111	86	77
7	37	31	35	34	58	95	245	313	316	106	87	77
8	37	33	34	33	57	94	316	305	319	102	95	77
9	37	31	e32	33	56	98	272	309	311	98	100	77
10	37	30	e32	34	55	110	244	317	304	96	100	77
11	34	30	33	38	54	250	237	353	296	94	95	79
12	25	31	33	37	52	308	255	370	301	93	89	79
13	25	32	34	37	51	215	283	374	306	90	89	79
14	26	30	33	38	51	186	309	369	297	87	89	79
15	29	30	33	42	48	198	273	378	281	84	89	77
16	29	31	32	42	48	212	253	391	264	80	89	75
17	29	31	32	41	47	220	243	386	248	78	88	75
18	30	31	33	40	51	276	237	405	234	77	86	75
19	29	31	33	39	55	316	231	496	219	76	86	74
20	29	30	e32	e37	58	288	223	561	208	73	85	74
21	28	31	e31	e36	61	347	212	551	199	72	85	74
22	28	e29	e32	e36	63	363	205	552	191	70	86	73
23	28	e29	33	e37	70	302	200	455	182	70	85	64
24	28	e29	33	38	77	284	200	330	173	68	85	63
25	27	31	36	38	84	270	196	323	168	66	85	62
26	27	31	37	38	92	252	190	325	164	74	86	62
27	27	31	37	38	98	239	199	320	157	73	87	62
28	27	31	37	38	91	228	227	209	162	92	88	62
29	27	31	37	38	---	218	234	267	152	91	88	64
30	27	31	36	37	---	209	271	323	145	90	88	63
31	27	---	35	39	---	202	---	329	---	88	85	---
TOTAL	976	906	1044	1137	1723	6319	6830	11070	7842	2862	2729	2216
MEAN	31.5	30.2	33.7	36.7	61.5	204	228	357	261	92.3	88.0	73.9
MAX	41	33	37	42	98	363	316	561	407	141	100	85
MIN	25	27	31	32	43	82	145	209	145	66	84	62
AC-FT	1940	1800	2070	2260	3420	12530	13550	21960	15550	5680	5410	4400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 1995, BY WATER YEAR (WY)

MEAN	42.5	40.6	42.9	43.1	51.0	94.1	277	429	165	70.9	58.2	48.1
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1922 - 1995	
ANNUAL TOTAL	30663		45654			
ANNUAL MEAN	84.0		125		114	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	608	Apr 23	561	May 20	1640	May 5 1936
LOWEST DAILY MEAN	25	Oct 12	25	Oct 12	13	Feb 26 1977
ANNUAL SEVEN-DAY MINIMUM	27	Oct 25	27	Oct 25	13	Feb 28 1977
ANNUAL RUNOFF (AC-FT)	60820		90550		82410	
10 PERCENT EXCEEDS	179		311		273	
50 PERCENT EXCEEDS	52		79		51	
90 PERCENT EXCEEDS	30		31		32	

e Estimated

10139000 PINEVIEW RESERVOIR NEAR OGDEN, UT

LOCATION.--Lat 41°15'20", long 111°50'25", in $SE^1/_4NW^1/_4SE^1/_4$ sec. 16, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, at trashback at Pineview Dam on Ogden River 3.8 mi west of Huntsville and 6 mi east of Ogden.

DRAINAGE AREA.--311 mi^2.

PERIOD OF RECORD.--November 1936 to September 1968, October 1989 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1989 elevations determined from direct readings of outside staff gage read once daily. Datum of gage is 4818.0 ft above sea level.

REMARKS.--Reservoir is formed by earth-fill, rock-faced dam; storage began Nov. 16, 1936; capacity, 110,100 acre-ft at elevation 4,900 ft (maximum super storage) above sea level. During September 1939, sills of radial spillway gages were raised 1 ft, thus changing the top of spillway gates from elevation 4,871 to 4,872 ft. During 1957 the storage capacity was increased by raising the crest of the spillway to 4,878 ft and elevation of maximum super storage to 4,900 ft (additional capacity, 65,920 acre-ft). Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation in Weber River basin and Ogden River projects.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 112,500 acre-ft June 11, 12, 1993 of which 2,400 acre-ft was uncontrolled storage, elevation 4900.8 ft minimum, 4 acre-ft, Jan. 10, 1957, elevation, 4,819.1 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 111,900 acre-ft June 15, 16 and 17, elevation, 4,900.6 ft of which 1,800 acre-ft was uncontrolled storage; minimum daily contents, 49,500 acre-ft Oct. 2, elevation, 4,874.6 ft.

CAPACITY TABLE (ELEVATION, IN FEET, AND USABLE CONTENTS, IN ACRE-FEET)

4,870	40,680	4,890	82,820
4,875	49,700	4,900	110,100
4,880	59,670	4,901	113,000

RESERVOIR STORAGE (ACRE-FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49600	52200	55100	e58900	61400	68400	81100	86800	106200	110100	98600	76100
2	49500	52700	55000	e59000	e62700	68900	80000	87500	107000	109800	98000	75300
3	49800	52900	55300	e59000	62800	69400	79000	88000	107800	110000	97300	74600
4	49800	e52900	55400	e59100	62800	70500	78900	88300	108600	110100	96600	73800
5	49800	53000	55500	59200	63000	71300	79400	88600	109200	110000	95800	73100
6	50100	52900	55800	59100	63100	71900	80200	89000	109900	109800	95000	72400
7	50200	53000	55500	59200	63100	72400	81100	89400	110300	109600	94200	71700
8	50300	53300	e55700	59200	63300	72800	82500	89700	110900	109500	93400	71000
9	50300	53300	e55900	59200	63400	73100	83800	90300	111200	109100	92600	70200
10	50400	53100	e56100	59400	63500	73400	84900	90800	111600	108800	91800	69300
11	50500	53200	e56300	59600	63700	74800	85600	91600	111600	108500	91000	68600
12	50600	53600	e56500	60100	63800	78100	85900	92600	111600	108200	90100	67900
13	50500	54000	56700	60100	64000	80200	86200	93100	111600	107700	89300	67200
14	50700	e54000	e56800	60500	64200	81300	86400	93700	111600	107300	88600	66500
15	51300	e54100	e56900	60900	64400	82200	86300	94200	111700	106900	87800	65900
16	51300	54100	e57000	61300	64800	83300	86000	94900	111800	106600	87200	65300
17	51400	54300	e57100	61700	64800	84200	85600	95600	111600	106200	86700	64700
18	51500	54200	e57200	61800	65000	84400	85600	96200	111500	105800	86000	64100
19	51500	e54200	e57400	e61800	65200	84800	86000	96700	111200	105500	85300	63600
20	51400	e54300	e57500	e61800	65300	85200	86200	97500	111000	105200	84700	63000
21	51500	e54300	e57600	e61800	65500	85500	86200	98200	111000	105100	84100	62500
22	51500	e54400	e57700	e61900	65700	86300	86000	99100	111000	104600	83400	62100
23	51600	e54400	e57800	e61900	66000	86500	85900	100100	110900	104100	82700	61700
24	51700	e54400	57900	e61900	66200	86700	85700	101000	110700	103600	82000	61500
25	51700	e54500	58000	e62000	66600	86400	85600	101600	110400	103100	81300	61100
26	51800	54500	58000	62000	67000	85900	85500	102300	110300	102500	80600	60900
27	51700	e54600	58300	61900	67400	85200	85400	102900	110100	101800	79900	60600
28	51800	54800	e58600	e61800	68000	84500	85400	103300	110100	101200	79200	60400
29	52300	54700	58400	e61800	---	83700	85800	103600	110100	100500	78400	60300
30	52400	54700	58400	e61700	---	82900	86200	104500	110100	99900	77600	60100
31	52400	---	58800	61700	---	82100	---	105400	---	99200	76800	---
MAX	52400	54800	58800	62000	68000	86700	86400	105400	111800	110100	98600	76100
MIN	49500	52200	55000	58900	61400	68400	78900	86800	106200	99200	76800	60100
(#)	4876.4	4877.6	4879.6	4881.0	4883.8	4889.7	4891.3	4898.3	4900.0	4896.1	4887.6	4880.2
(*)	+2700	+2300	+4100	+2900	+6300	+14100	+4100	+19200	+4700	-10900	-22400	-16700

CAL YR 1994 . . . . . (*) -14700
WTR YR 1995 . . . . . (*) +10400

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

10139300 WHEELER CREEK NEAR HUNTSVILLE, UT

LOCATION (REVISED).--Lat 41°15'10", long 111°50'29", in NE$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 16, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, on left bank 550 ft upstream from mouth, 200 ft upstream from culvert under State Highway 39, 3.8 mi west of Huntsville, and 7.2 mi east of Ogden.

DRAINAGE AREA.--11.1 mi^2.

PERIOD OF RECORD.--October 1958 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above sea level, from topographic map. Prior to Feb. 25, 1992 at site 0.10 mi downstream at different datum.

REMARKS.--Records fair except for estimated days, which are poor. Records do not include 387 acre-feet diverted above gage by Ogden City Water Department.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 533 ft$^3/_s$ May 21, 1981, gage height, 3.95 ft from indirect measurement, maximum gage height, 5.76 ft, Feb. 18 or 19, 1986 (backwater from trash buildup on trees below gage). Flood of Feb. 18 or 19, 1986 probably exceeded that of May 21, 1981. No flow Dec. 5, 1962, July 25, 1977, many days in June and July 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 40 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
Mar. 11	0645	75	*3.67	Apr. 8	1015	119	2.79
Mar. 11	1845	*203	3.35	June 9	1445	107	2.71

Minimum daily discharge, 0.42 ft$^3/_s$ Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	1.2	1.1	1.3	2.0	8.4	16	25	55	29	4.0	.75
2	.53	1.4	1.1	1.2	9.3	6.0	17	41	58	27	3.9	.70
3	.58	1.4	1.2	1.4	7.7	16	20	39	62	29	3.8	.69
4	.58	1.2	1.8	1.4	5.3	29	24	29	61	27	3.9	.81
5	.74	1.4	1.1	1.3	4.1	15	29	28	61	25	4.1	1.1
6	.81	1.3	.95	1.5	3.6	8.9	32	31	67	25	3.8	1.0
7	.78	1.3	.92	1.1	3.2	6.4	32	29	58	19	3.4	.97
8	.82	1.3	.71	1.0	2.8	5.9	65	27	57	16	3.4	.89
9	.73	1.3	.63	1.3	2.4	6.7	36	26	68	15	3.2	.78
10	.69	1.2	e.66	1.7	2.3	24	28	27	63	14	3.2	.79
11	1.2	1.2	e.68	5.6	2.3	e109	25	41	52	14	3.1	.68
12	1.6	1.3	.75	2.6	2.0	69	25	61	53	13	3.2	.57
13	1.6	1.2	.98	1.9	2.0	29	29	55	65	13	3.4	1.3
14	2.1	.94	e.70	1.4	1.8	29	30	52	68	12	3.0	1.9
15	2.2	.77	e.74	2.5	1.5	37	26	46	67	12	2.9	1.1
16	1.7	1.0	e.80	1.7	1.5	33	23	45	64	11	2.7	e.70
17	1.6	e.90	e.74	1.2	1.6	30	23	46	58	11	2.5	e.80
18	1.6	e.86	e.68	.95	2.3	35	21	47	51	e8.0	2.3	1.1
19	1.5	e.82	e.74	1.1	2.5	56	21	47	49	e7.0	2.2	2.0
20	1.4	e.82	e.70	.99	2.6	38	20	50	50	6.6	2.0	2.0
21	1.4	e.82	e.66	1.1	2.9	67	18	51	48	6.6	1.8	2.0
22	1.4	e.78	e.90	.88	2.9	59	17	59	43	6.4	1.4	2.1
23	1.4	e.82	1.2	.89	3.9	37	17	71	40	6.5	1.3	2.1
24	1.5	e.90	1.4	1.0	4.7	28	17	62	38	6.5	1.1	2.1
25	1.5	1.0	1.8	1.0	5.5	22	17	52	38	6.4	1.1	2.0
26	1.4	1.1	1.8	.96	7.0	20	17	53	37	5.0	.97	2.0
27	1.3	.99	1.8	.97	11	18	17	58	37	4.4	.99	1.9
28	1.5	1.0	1.7	.88	11	17	18	49	36	4.2	.97	1.8
29	1.6	1.1	1.5	.85	---	17	20	43	34	4.2	.90	2.4
30	1.5	1.0	1.4	.92	---	16	28	44	31	4.2	.87	2.0
31	1.2	---	1.3	1.0	---	16	---	49	---	4.1	.85	---
TOTAL	38.88	32.32	33.14	43.59	111.7	908.3	728	1383	1569	392.1	76.25	41.03
MEAN	1.25	1.08	1.07	1.41	3.99	29.3	24.3	44.6	52.3	12.6	2.46	1.37
MAX	2.2	1.4	1.8	5.6	11	109	65	71	68	29	4.1	2.4
MIN	.42	.77	.63	.85	1.5	5.9	16	25	31	4.1	.85	.57
AC-FT	77	64	66	86	222	1800	1440	2740	3110	778	151	81

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

MEAN	1.71	2.13	1.88	2.19	4.12	10.7	26.1	35.0	26.4	6.32	2.25	1.50
MAX	6.60	11.0	14.4	13.7	65.8	44.1	61.9	84.4	92.3	22.6	8.68	3.61
(WY)	1983	1988	1965	1971	1986	1986	1984	1984	1975	1975	1983	1983
MIN	.50	.49	.38	.064	.11	.38	1.20	2.27	.41	.12	.26	.20
(WY)	1962	1962	1989	1989	1991	1977	1977	1992	1992	1994	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1959 - 1995	
ANNUAL TOTAL	2326.83		5357.31			
ANNUAL MEAN	6.37		14.7		10.0	
HIGHEST ANNUAL MEAN					24.2	1986
LOWEST ANNUAL MEAN					1.70	1992
HIGHEST DAILY MEAN	43	May 13	109	Mar 11	480	Feb 18 1986
LOWEST DAILY MEAN	.00	Jun 23	.42	Oct 1	.00	Jul 25 1977
ANNUAL SEVEN-DAY MINIMUM	.02	Jul 9	.63	Oct 1	.02	Jul 9 1994
ANNUAL RUNOFF (AC-FT)	4620		10630		7260	
10 PERCENT EXCEEDS	25		49		32	
50 PERCENT EXCEEDS	.92		2.9		2.2	
90 PERCENT EXCEEDS	.25		.82		.50	

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. Flow extensively regulated by Pineview Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,390 $ft^3/_s$ Dec. 18, 1991, gage height, 6.20 ft; minimum daily 4.0 $ft^3/_s$ Jan. 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,010 $ft^3/_s$ Mar. 30, gage height, 5.79 ft; minimum daily discharge, 7.4 $ft^3/_s$ Oct. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	10	9.6	14	10	15	906	108	178	50	133	220
2	12	11	9.9	14	15	14	906	299	275	48	130	234
3	11	10	9.9	14	13	22	586	372	299	50	176	216
4	12	9.0	11	14	10	36	194	375	300	47	200	221
5	11	8.9	11	14	9.2	21	95	372	302	44	210	229
6	7.4	11	11	14	8.5	17	97	349	317	44	222	202
7	8.4	13	12	12	8.5	15	95	336	356	39	219	194
8	9.7	9.9	11	10	9.9	62	134	264	424	36	203	205
9	9.5	12	11	9.9	10	111	108	210	491	35	e210	215
10	9.3	11	11	10	9.8	131	96	214	559	33	233	210
11	9.3	11	11	15	8.3	230	171	233	553	32	235	209
12	9.4	9.8	13	12	8.5	190	395	447	539	31	204	205
13	9.3	11	14	11	8.4	239	491	473	514	29	190	206
14	9.7	10	14	9.8	8.3	315	608	415	522	30	192	185
15	9.6	10	14	11	8.1	328	691	416	470	30	175	158
16	9.0	11	14	11	8.0	320	666	419	472	30	174	151
17	8.7	11	14	9.9	8.0	476	624	431	442	26	181	170
18	8.7	12	14	9.4	8.7	633	305	547	528	22	165	160
19	11	12	14	9.4	9.2	688	273	558	372	21	173	132
20	12	12	14	9.3	9.5	667	359	548	281	24	168	115
21	12	11	14	9.0	10	699	423	634	224	65	171	90
22	12	10	14	8.8	10	747	418	590	182	103	217	63
23	12	10	14	8.8	11	787	415	445	191	103	223	38
24	12	9.5	14	8.9	12	805	386	346	181	102	208	30
25	12	9.7	15	8.7	13	862	266	279	170	131	191	19
26	11	9.7	15	8.9	14	893	298	310	122	147	208	13
27	8.8	9.5	14	9.0	17	886	302	345	92	158	216	10
28	9.7	9.9	15	8.9	17	875	248	334	99	153	211	10
29	11	9.7	15	8.7	---	910	212	161	58	148	217	11
30	11	9.6	14	8.8	---	917	220	55	51	145	220	8.9
31	11	---	14	9.2	---	910	---	61	---	136	217	---
TOTAL	325.5	314.2	401.4	331.4	292.9	13821	10988	10946	9564	2092	6092	4129.9
MEAN	10.5	10.5	12.9	10.7	10.5	446	366	353	319	67.5	197	138
MAX	16	13	15	15	17	917	906	634	559	158	235	234
MIN	7.4	8.9	9.6	8.7	8.0	14	95	55	51	21	130	8.9
AC-FT	646	623	796	657	581	27410	21790	21710	18970	4150	12080	8190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	13.0	9.73	32.6	9.04	9.43	86.3	116	211	167	115	119	50.2
MAX	23.8	14.4	170	14.9	15.2	446	366	708	319	257	230	138
(WY)	1993	1989	1992	1989	1989	1995	1995	1993	1995	1991	1991	1995
MIN	8.44	7.38	6.45	6.01	6.30	7.47	10.5	23.5	32.8	22.8	29.9	15.2
(WY)	1992	1990	1991	1992	1991	1991	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995	
ANNUAL TOTAL	21393.2		59298.3			
ANNUAL MEAN	58.6		162		78.7	
HIGHEST ANNUAL MEAN					162	1995
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	425	Apr 29	917	Mar 30	1110	May 11 1993
LOWEST DAILY MEAN	5.4	Feb 13	7.4	Oct 6	4.0	Jan 10 1992
ANNUAL SEVEN-DAY MINIMUM	5.6	Feb 11	8.2	Feb 11	4.2	Jan 10 1992
ANNUAL RUNOFF (AC-FT)	42430		117600		57020	
10 PERCENT EXCEEDS	147		472		230	
50 PERCENT EXCEEDS	19		47		16	
90 PERCENT EXCEEDS	8.6		9.4		6.9	

e Estimated

10141000 WEBER RIVER NEAR PLAIN CITY, UT

LOCATION.--Lat 41°16'42", long 112°05'28", in $NW^1/_4NW^1/_4NE^1/_4$ sec. 8, T. 6 N., R. 2 W., Weber County, Hydrologic Unit 16020102, on upstream side of right highway bridge abutment, on State Highway 40, 1 mi downstream from Fourmile Creek, 1.5 mi south of Plain City, and 6 mi upstream from mouth.

DRAINAGE AREA.--2,081 mi^2.

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

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

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft above sea level. Prior to Aug. 29, 1949, nonrecording gage at same site and datum, and Aug. 30, 1949 to June 22, 1966, water-stage recorder on right bank 50 ft upstream at same datum. Prior to Oct. 1, 1986 at datum 10.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Practically entire flow is diverted during summer months for irrigation above station.Flow regulated by Rockport, Echo, Lost Creek, East Canyon, and Pine View Reservoirs; also diversion above station to Willard Bay Reservoir (see stations 10129400, 10131500, 10132490, and 10134000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 $ft^3/_s$ May 6, 1952, gage height, 19.01 ft; practically no flow during latter part of several summers since 1915.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,350 $ft^3/_s$ June 10, gage height, 23.82 ft; minimum daily, 70 $ft^3/_s$ Aug. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	162	166	154	e230	212	1160	574	1460	1300	97	78
2	130	180	154	144	e300	201	1140	878	1720	1250	92	110
3	117	171	155	136	e270	190	997	1200	1950	1300	70	113
4	143	165	227	109	e220	636	540	990	2140	1440	75	103
5	237	172	199	110	e190	415	331	963	2350	1390	92	148
6	358	187	204	123	e170	287	351	999	2500	1310	120	160
7	229	188	211	127	e140	229	393	922	2240	1110	117	124
8	170	232	186	133	e110	288	568	825	2730	1020	96	94
9	151	190	192	136	e100	601	576	741	3130	891	89	103
10	136	181	148	120	e90	463	471	818	3290	673	110	139
11	138	168	175	257	94	1130	422	1010	3100	622	143	131
12	129	265	141	241	110	1780	527	1450	2880	635	145	118
13	129	296	156	212	96	1010	675	1600	2710	629	143	149
14	135	235	165	222	191	843	827	1300	2610	458	147	147
15	319	210	163	342	338	794	1020	1230	2500	378	144	133
16	196	211	152	e300	311	840	1040	1200	2380	350	114	105
17	194	262	155	e220	310	821	957	1300	2330	323	107	111
18	211	249	155	e180	337	1180	556	1410	2350	e200	106	178
19	198	228	158	e170	373	1470	491	1520	2130	e150	113	191
20	174	214	157	e150	368	1430	543	1530	1830	e100	102	186
21	163	190	142	e140	308	1270	577	1520	1460	92	107	182
22	158	175	140	e130	151	1580	559	1530	1290	e109	159	229
23	151	141	150	e130	150	1490	533	1680	1470	e110	201	179
24	155	142	160	e120	159	1500	548	1650	1340	e111	174	168
25	168	149	175	e120	182	1420	410	1720	1260	75	122	173
26	170	172	176	e130	203	1400	434	1860	1060	95	82	157
27	166	168	182	e140	236	1340	434	2120	1060	125	92	148
28	156	171	181	e130	243	1240	432	1990	1210	134	99	146
29	152	169	180	e130	---	1130	435	1930	1350	125	105	193
30	132	168	177	e150	---	1190	563	1420	1380	135	93	247
31	157	---	172	e190	---	1180	---	1300	---	100	73	---
TOTAL	5378	5811	5254	5096	5980	29560	18510	41180	61210	16740	3529	4443
MEAN	173	194	169	164	214	954	617	1328	2040	540	114	148
MAX	358	296	227	342	373	1780	1160	2120	3290	1440	201	247
MIN	117	141	140	109	90	190	331	574	1060	75	70	78
AC-FT	10670	11530	10420	10110	11860	58630	36710	81680	121400	33200	7000	8810

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

MEAN	315	301	336	362	413	721	1060	1337	845	153	103	208
MAX	968	748	1884	1691	2399	3502	3639	4111	4233	661	414	968
(WY)	1985	1983	1984	1984	1986	1986	1986	1984	1983	1975	1983	1983
MIN	27.4	45.2	41.8	35.4	40.8	44.5	59.7	44.7	36.9	28.0	32.7	57.9
(WY)	1989	1989	1989	1989	1989	1977	1988	1988	1988	1988	1988	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	91713		202691			
ANNUAL MEAN	251		555		513	
HIGHEST ANNUAL MEAN					1427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	1230	Apr 23	3290	Jun 10	7060	Jun 3 1983
LOWEST DAILY MEAN	38	Jul 11	70	Aug 3	10	May 25 1966
ANNUAL SEVEN-DAY MINIMUM	52	Jul 9	89	Aug 26	19	Jul 3 1966
ANNUAL RUNOFF (AC-FT)	181900		402000		371400	
10 PERCENT EXCEEDS	772		1470		1420	
50 PERCENT EXCEEDS	149		198		187	
90 PERCENT EXCEEDS	63		110		60	

e Estimated

10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UTAH

LOCATION.--Lat 39°43'02", long 111°43'58", in $SE^1/_4SW^1/_4NW^1/_4$ sec. 5, T. 13 S., R. 2 E., Juab County, Hydrologic Unit 16020201, on right bank 5.6 mi east of Nephi, 0.2 mi below confluence with Hopp Creek, 200 ft downstream from Nephi powerplant Diversion Dam, and 115 ft below mouth of Bradley's Canyon.

DRAINAGE AREA.--60.0 mi^2.

PERIOD OF RECORD.--September 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5750 ft above sea level, from topographic map.

REMARKS.--Records 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, 150 $ft^3/_s$ June 6, 1995, gage height, 6.49 ft; minimum daily, 2.0 $ft^3/_s$ Dec. 25-29, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 150 $ft^3/_s$ June 6, gage height, 6.49 ft; minimum daily discharge, 2.8 $ft^3/_s$ Jan. 6-7, 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	6.4	7.1	3.3	3.1	5.8	11	56	83	61	16	8.5
2	6.2	6.6	7.1	3.2	3.0	3.1	11	113	102	59	14	8.6
3	6.9	6.7	7.2	3.2	3.2	3.1	11	100	99	76	13	8.6
4	7.1	6.7	7.6	3.2	3.2	3.2	11	80	114	65	12	11
5	7.2	6.7	7.6	3.0	3.2	3.2	15	74	122	56	11	8.6
6	7.5	6.7	7.6	2.8	3.2	3.2	19	70	133	56	10	8.5
7	7.1	6.7	7.6	2.8	3.2	3.7	20	62	104	61	9.5	8.6
8	7.1	6.9	7.2	2.9	3.2	4.4	23	57	85	60	8.8	8.7
9	7.0	6.8	7.1	3.1	3.3	6.0	22	56	74	63	8.8	8.7
10	7.0	6.7	6.8	3.1	3.5	4.2	19	61	66	74	9.0	8.4
11	6.6	6.7	6.8	3.2	3.5	5.2	17	73	65	74	11	8.3
12	6.7	7.1	7.0	3.2	3.5	12	15	e86	80	81	10	8.4
13	6.7	7.1	7.3	3.2	3.5	11	15	e77	107	74	9.9	8.3
14	6.7	7.1	7.1	3.2	3.7	11	20	72	120	64	9.3	8.4
15	7.3	7.1	7.1	3.2	3.6	13	17	70	122	58	9.0	8.3
16	7.1	7.3	7.1	3.2	3.5	15	16	85	102	55	9.3	8.4
17	7.4	7.2	7.1	3.2	3.6	18	16	75	81	54	9.5	8.5
18	7.6	7.5	7.1	6.0	3.7	23	15	78	71	52	9.9	8.5
19	7.6	7.1	7.5	8.1	3.8	41	16	82	72	45	9.6	8.4
20	7.2	7.1	7.1	8.1	3.8	37	17	87	79	35	9.1	8.5
21	6.2	7.1	7.1	8.1	3.8	38	16	94	83	31	9.3	8.5
22	6.2	7.1	4.9	8.1	3.8	37	17	96	77	29	14	8.6
23	6.2	6.8	3.2	6.0	3.8	31	16	100	74	26	16	8.6
24	6.2	6.7	3.2	3.2	3.9	28	17	90	74	24	9.3	8.5
25	6.2	6.6	3.3	2.8	5.0	24	19	82	76	23	8.8	7.3
26	6.2	6.7	3.5	2.9	6.9	20	20	73	79	21	8.4	6.7
27	6.2	7.2	3.5	3.2	5.5	17	22	68	82	20	8.5	6.7
28	6.2	7.6	3.5	3.0	6.4	16	26	60	84	19	8.5	6.7
29	6.2	7.2	3.5	2.9	---	14	28	60	78	20	8.5	6.9
30	6.2	7.1	3.5	3.0	---	12	51	67	69	20	8.5	6.7
31	6.3	---	3.5	3.2	---	11	---	70	---	18	8.5	---
TOTAL	208.7	208.3	186.8	121.6	107.4	474.1	558	2374	2657	1474	317.0	247.4
MEAN	6.73	6.94	6.03	3.92	3.84	15.3	18.6	76.6	88.6	47.5	10.2	8.25
MAX	7.6	7.6	7.6	8.1	6.9	41	51	113	133	81	16	11
MIN	6.2	6.4	3.2	2.8	3.0	3.1	11	56	65	18	8.4	6.7
AC-FT	414	413	371	241	213	940	1110	4710	5270	2920	629	491

CAL YR 1994	TOTAL	2674.6	MEAN	7.33	MAX	39	MIN	2.2	AC-FT 5310
WTR YR 1995	TOTAL	8934.3	MEAN	24.5	MAX	133	MIN	2.8	AC-FT 17720

e Estimated

10146000 SALT CREEK AT NEPHI, UTAH

LOCATION.--Lat 39°42'47", long 111°48'13", in $SE^1/_4SW^1/_4NE^1/_4$, sec. 3, T. 13 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on right bank 1.7 mi east of Nephi.

DRAINAGE AREA.--95.6 mi^2.

PERIOD OF RECORD.--December 1950 to September 1980, August 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,280.00 ft above sea level. Dec. 2, 1950 to Nov. 7, 1952, at a site 0.5 mi downstream at datum 31.96 ft lower. Nov. 7, 1952 to Nov. 10, 1971, at a site 0.5 mi downstream at datum 30.53 ft lower.

REMARKS.--Records good 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, Dec. 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 228 $ft^3/_s$ June 6, gage height, 2.96 ft; minimum daily discharge, 3.3 $ft^3/_s$ Jan. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	8.4	8.5	3.5	4.6	7.3	13	50	99	80	15	14
2	7.3	8.6	8.7	3.5	4.5	5.4	13	116	126	78	14	14
3	9.4	8.7	8.9	3.3	4.4	4.9	13	113	134	99	14	14
4	8.7	8.4	9.6	3.9	4.4	4.9	13	94	152	89	13	15
5	11	8.4	9.7	4.7	4.4	4.8	15	86	168	76	13	15
6	9.7	8.4	9.5	4.7	4.4	4.7	19	80	186	74	e12	14
7	8.2	8.4	9.3	4.6	4.4	4.8	21	74	141	82	e13	15
8	8.0	8.6	8.6	4.6	4.7	5.3	22	68	109	81	e13	15
9	7.6	8.6	6.3	4.9	4.5	6.6	23	64	90	83	13	15
10	7.6	8.7	4.3	4.7	4.4	6.4	22	65	74	103	12	15
11	7.6	8.7	5.1	6.3	4.6	7.3	20	77	72	104	13	15
12	7.6	8.7	7.3	5.2	4.5	11	18	97	84	100	13	15
13	7.6	8.7	9.0	5.0	4.4	12	18	83	120	89	14	15
14	7.6	8.7	9.0	5.1	4.3	11	21	79	147	76	13	15
15	8.8	8.6	8.8	5.3	4.4	12	21	75	150	67	13	15
16	9.0	8.6	8.7	5.1	4.7	14	19	92	109	63	13	15
17	11	8.8	8.7	4.9	4.6	16	20	89	88	61	13	15
18	9.5	9.0	8.7	5.4	4.6	19	20	86	74	59	14	15
19	8.5	8.8	8.7	8.0	4.5	33	20	93	75	47	14	15
20	8.3	8.7	8.7	8.4	4.6	32	22	101	85	41	14	15
21	8.4	8.7	8.5	8.4	4.6	37	22	120	92	38	14	15
22	8.4	8.6	8.1	8.2	4.6	35	22	122	88	33	14	15
23	8.4	8.1	6.1	7.8	4.5	31	21	123	83	28	20	14
24	8.4	8.5	5.6	5.7	4.6	29	21	119	86	28	15	14
25	8.4	8.5	5.4	4.8	5.1	26	22	112	86	25	14	14
26	8.4	8.7	5.2	4.8	6.4	24	23	104	92	24	14	13
27	8.4	8.6	5.1	4.9	6.6	20	24	96	97	24	14	13
28	8.4	8.6	4.9	4.6	6.2	18	26	80	104	22	14	12
29	8.4	8.4	4.9	4.3	---	17	29	81	98	20	14	13
30	8.4	8.5	4.9	4.4	---	15	47	88	91	18	14	12
31	8.4	---	4.5	4.4	---	14	---	86	---	16	14	---
TOTAL	263.1	257.7	229.3	163.4	132.5	488.4	630	2813	3200	1828	427	431
MEAN	8.49	8.59	7.40	5.27	4.73	15.8	21.0	90.7	107	59.0	13.8	14.4
MAX	11	9.0	9.7	8.4	6.6	37	47	123	186	104	20	15
MIN	7.3	8.1	4.3	3.3	4.3	4.7	13	50	72	16	12	12
AC-FT	522	511	455	324	263	969	1250	5580	6350	3630	847	855

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-1980, 1994-1995, BY WATER YEAR (WY)

MEAN	11.2	10.7	10.1	9.95	11.0	14.5	44.6	83.5	61.8	28.8	16.0	12.7
MAX	26.0	19.7	16.4	17.0	18.6	24.0	172	276	132	70.8	50.9	32.9
(WY)	1953	1953	1953	1970	1971	1971	1952	1952	1952	1952	1952	1952
MIN	4.57	5.19	3.66	4.45	4.73	5.79	6.98	12.5	10.1	6.89	5.91	5.43
(WY)	1978	1978	1994	1994	1995	1994	1961	1977	1994	1994	1993	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1952-1980, 1994-1995	
ANNUAL TOTAL	3265.7		10863.4			
ANNUAL MEAN	8.95		29.8		26.5	
HIGHEST ANNUAL MEAN					66.1	1952
LOWEST ANNUAL MEAN					8.11	1994
HIGHEST DAILY MEAN	45	May 16	186	Jun 6	580	May 2 1952
LOWEST DAILY MEAN	3.4	Jan 1	3.3	Jan 3	1.7	Dec 13 1961
ANNUAL SEVEN-DAY MINIMUM	3.6	Jan 1	4.0	Dec 31	3.0	Dec 24 1993
ANNUAL RUNOFF (AC-FT)	6480		21550		19200	
10 PERCENT EXCEEDS	15		90		65	
50 PERCENT EXCEEDS	7.6		13		13	
90 PERCENT EXCEEDS	5.2		4.7		7.1	

e Estimated

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE$^1/_4$SW$^1/_4$NW$^1/_4$, sec. 6, T. 12 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on left bank 40 ft upstream from bridge crossing, 800 ft downstream from Burriston ponds, 0.5 mi upstream from Mona Reservoir, 1 mi southwest of Mona.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WDR UT-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,890 ft above sea level, from topographic map. Prior to June 10, 1985, at same site, different datum. Prior to October 1, 1992, at same site, different datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft$^3/_s$ May 14, 1984, gage height, 6.30 ft; maximum gage height, 6.77 ft, May 31, 1983, site and datum then in use; minimum, 1.5 ft$^3/_s$ Nov. 4, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 105 ft$^3/_s$ June 7, gage height, 5.79 ft; minimum daily discharge, 6.4 ft$^3/_s$ Oct. 26, Nov. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	6.6	8.2	9.6	16	12	12	21	20	27	12	13
2	6.7	6.8	8.3	9.3	15	14	11	68	31	21	13	14
3	7.4	6.9	8.5	9.2	14	16	11	76	68	25	13	14
4	7.8	6.4	13	9.4	14	18	11	43	87	33	13	13
5	7.3	6.5	12	10	13	18	11	27	81	30	13	14
6	7.0	6.6	11	11	13	16	10	25	88	20	13	14
7	6.9	6.6	9.5	11	13	14	10	20	99	16	13	14
8	7.0	6.7	8.8	11	14	13	10	17	81	14	13	13
9	6.8	6.7	8.2	17	17	12	12	15	72	13	13	13
10	6.8	6.6	7.8	20	15	13	17	15	64	12	13	13
11	6.8	6.7	7.9	35	17	19	17	17	49	12	13	14
12	6.8	7.0	7.9	29	20	22	14	34	42	14	13	13
13	6.6	7.1	8.3	22	17	19	12	45	37	14	14	13
14	6.8	7.0	8.4	19	14	16	15	34	52	13	13	13
15	8.7	6.8	8.4	18	14	15	19	27	66	13	15	13
16	8.5	7.1	8.4	19	14	14	16	19	74	12	13	13
17	8.2	7.3	8.6	16	20	13	18	18	69	13	13	13
18	7.6	7.5	8.8	14	28	13	21	16	51	14	13	13
19	7.1	7.2	8.9	14	21	15	29	16	35	14	13	13
20	6.7	7.2	8.7	14	16	15	34	18	28	12	13	13
21	6.9	7.3	8.5	14	15	13	32	24	26	13	14	13
22	6.8	7.3	8.4	15	14	20	22	31	28	13	15	13
23	6.7	7.4	8.5	15	13	17	19	43	27	12	14	13
24	6.7	7.5	9.2	16	13	23	16	40	25	12	15	13
25	6.6	7.6	11	18	12	19	14	37	26	12	15	15
26	6.4	8.0	11	24	12	16	14	40	27	12	14	17
27	6.5	7.9	12	33	12	15	13	49	27	12	14	15
28	6.6	8.0	12	23	12	14	12	37	29	12	13	15
29	6.5	8.1	14	18	---	14	14	26	34	11	14	15
30	6.6	8.1	14	16	---	13	24	22	36	13	13	15
31	6.6	---	11	16	---	12	---	21	---	12	13	---
TOTAL	217.1	214.5	299.2	525.5	428	483	490	941	1479	476	416	410
MEAN	7.00	7.15	9.65	17.0	15.3	15.6	16.3	30.4	49.3	15.4	13.4	13.7
MAX	8.7	8.1	14	35	28	23	34	76	99	33	15	17
MIN	6.4	6.4	7.8	9.2	12	12	10	15	20	11	12	13
AC-FT	431	425	593	1040	849	958	972	1870	2930	944	825	813

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1995, BY WATER YEAR (WY)

MEAN	21.4	26.9	27.9	28.8	41.3	54.5	54.8	60.0	35.6	14.2	12.4	14.6
MAX	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
(WY)	1985	1984	1984	1986	1986	1985	1985	1984	1983	1983	1984	1984
MIN	6.26	5.22	6.64	9.01	15.1	14.3	9.25	6.16	4.92	4.24	2.98	3.60
(WY)	1993	1993	1993	1993	1992	1992	1992	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1979 - 1995	
ANNUAL TOTAL	3695.5		6379.3			
ANNUAL MEAN	10.1		17.5		32.6	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					7.87	1992
HIGHEST DAILY MEAN	60	Feb 18	99	Jun 7	566	May 14 1984
LOWEST DAILY MEAN	2.7	Aug 10	6.4	Oct 26	1.5	Nov 4 1992
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 8	6.5	Oct 25	1.8	Nov 4 1992
ANNUAL RUNOFF (AC-FT)	7330		12650		23650	
10 PERCENT EXCEEDS	16		31		75	
50 PERCENT EXCEEDS	7.9		13		15	
90 PERCENT EXCEEDS	5.6		7.0		6.6	

10148200 TIE FORK NEAR SOLDIER SUMMIT, UT

LOCATION.--39°57'00", long 111°12'58", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ sec. 14, T. 10 S., R. 6 E., Utah County, Hydrologic Unit 16020202, on right bank 230 ft upstream from mouth and U.S. Highway 6-50, 250 ft downstream from Denver & Rio Grande Western Railroad, 7.4 mi west of Soldier Summit, and 15.2 mi east of Thistle.

DRAINAGE AREA.--19.4 mi^2.

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

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

GAGE.--Water-stage recorder and artificial control. Elevation of gage is 6,120 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,200 ft$^3/_s$ Aug. 21, 1983, result of instantaneous removal of upstream blockage, gage height, about 7.85 ft from high-water mark, from rating curve extended above 26 ft$^3/_s$ on basis of slope-area measurement; minimum, 0.15 ft$^3/_s$ Aug. 19, 20, 1983, result of temporary blockage upstream.

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

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
June 9	2112	*17	*2.07	No other peak greater than base discharge.			

Minimum daily discharge, 1.50 ft$^3/_s$ Dec. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	1.7	1.9	e2.0	2.0	2.3	6.1	8.2	15	13	9.7	6.9
2	1.6	1.8	1.8	e2.0	1.9	2.5	6.1	8.9	16	13	9.6	6.8
3	2.0	1.8	2.0	e1.8	1.8	2.6	6.2	9.5	16	13	9.6	6.6
4	1.9	1.7	1.9	e1.9	1.8	2.6	6.2	9.8	16	12	9.4	6.6
5	1.9	1.9	1.9	e2.0	1.8	2.6	6.4	10	15	12	9.5	6.5
6	1.9	1.8	1.8	e2.0	1.8	2.6	6.5	9.7	15	12	9.5	6.4
7	1.8	1.8	1.9	e1.9	1.8	2.7	6.5	12	16	12	9.4	6.2
8	1.7	1.8	e1.7	e1.9	1.9	2.5	6.7	13	16	12	9.1	6.3
9	1.7	1.8	e1.5	e2.1	1.9	2.6	6.8	12	16	12	9.1	6.1
10	1.7	1.7	e1.6	e2.0	1.8	2.6	6.7	9.9	16	12	9.1	5.9
11	1.7	1.7	e1.7	2.2	2.0	3.3	6.8	13	15	12	9.0	5.8
12	1.7	1.9	e1.7	1.8	1.9	3.3	6.7	15	15	12	9.0	5.8
13	1.7	1.9	e1.8	2.0	1.9	3.1	6.8	14	15	11	8.9	5.6
14	1.6	e1.9	1.7	1.9	2.0	3.3	6.9	14	15	11	8.9	5.5
15	1.8	e1.8	1.7	1.9	e1.8	3.6	7.0	14	15	11	8.7	5.4
16	1.8	1.8	1.7	1.9	e1.9	3.8	7.0	15	15	11	8.7	5.3
17	1.9	2.0	1.7	1.9	e2.0	4.2	7.1	15	15	11	8.5	5.6
18	1.9	1.9	1.7	1.9	2.1	4.3	7.2	15	15	11	8.3	5.5
19	1.9	1.8	1.7	1.9	2.2	5.1	7.2	16	15	11	8.3	5.3
20	1.8	e1.9	1.8	1.8	2.1	4.8	7.2	16	14	11	8.3	5.2
21	1.8	e1.9	2.1	2.0	2.1	5.0	7.2	16	14	11	8.3	5.1
22	1.7	e1.9	2.1	1.8	2.2	5.5	7.2	15	14	11	8.3	5.2
23	1.7	e2.0	2.1	e1.7	2.2	5.4	7.2	15	14	10	8.3	5.1
24	1.7	e2.1	2.1	2.1	2.2	5.8	7.2	16	14	10	8.3	5.0
25	1.7	e2.1	2.1	2.0	2.2	5.6	7.2	16	13	10	8.1	5.0
26	1.7	2.0	2.1	2.0	2.2	5.8	7.4	16	13	10	8.0	5.0
27	1.7	2.0	2.1	1.9	2.3	5.7	7.6	15	13	10	7.7	4.9
28	1.7	2.0	2.1	1.8	2.4	6.0	7.6	15	13	10	7.5	4.9
29	1.7	2.0	2.1	e1.7	---	6.1	7.8	15	13	10	7.2	5.2
30	1.7	2.0	2.1	e1.7	---	6.0	8.1	15	13	9.8	7.0	5.0
31	1.7	---	2.1	2.0	---	6.1	---	15	---	9.8	6.9	---
TOTAL	54.5	56.4	58.3	59.5	56.2	127.4	208.6	419.0	440	346.6	266.2	169.7
MEAN	1.76	1.88	1.88	1.92	2.01	4.11	6.95	13.5	14.7	11.2	8.59	5.66
MAX	2.0	2.1	2.1	2.2	2.4	6.1	8.1	16	16	13	9.7	6.9
MIN	1.6	1.7	1.5	1.7	1.8	2.3	6.1	8.2	13	9.8	6.9	4.9
AC-FT	108	112	116	118	111	253	414	831	873	687	528	337

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	3.28	3.00	2.66	2.53	2.68	3.71	7.57	14.8	10.8	7.00	4.95	3.78
MAX	6.32	5.19	4.64	4.09	4.47	10.4	27.5	53.7	43.3	21.3	11.8	7.99
(WY)	1984	1985	1984	1984	1984	1986	1985	1984	1983	1983	1983	1984
MIN	.73	.96	.93	.71	1.20	1.70	1.83	1.80	1.57	1.23	.72	.70
(WY)	1978	1978	1993	1993	1993	1991	1992	1992	1977	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	752.3		2262.4			
ANNUAL MEAN	2.06		6.20		5.58	
HIGHEST ANNUAL MEAN					14.1	1984
LOWEST ANNUAL MEAN					1.66	1992
HIGHEST DAILY MEAN	3.1	May 19	16	May 19	84	May 31 1983
LOWEST DAILY MEAN	1.5	Sep 10	1.5	Dec 9	.20	Aug 20 1983
ANNUAL SEVEN-DAY MINIMUM	1.5	Sep 22	1.7	Dec 8	.63	Jan 18 1993
ANNUAL RUNOFF (AC-FT)	1490		4490		4040	
10 PERCENT EXCEEDS	2.6		14		11	
50 PERCENT EXCEEDS	2.0		5.2		3.5	
90 PERCENT EXCEEDS	1.7		1.7		1.8	

e Estimated

10149500 DIAMOND FORK BELOW RED HOLLOW, NEAR THISTLE, UT

LOCATION.--Lat 40°04'43", long 111°24'32", in $SE^1/_4NW^1/_4NW^1/_4$ sec. 32, T. 8 S., R. 5 E., Utah County, on right bank 0.5 mi downstream from Red Hollow, 7.0 mi upstream from mouth, and 8 mi northeast of Thistle.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--October 1953 to June 1969, December 1988 to current year. Records for October and November, 1988 provided by Bureau of Reclamation.

GAGE.--Water-stage recorder. Elevation of gage is 5,260 ft above sea level, from topographic map. Prior to Dec. 8, 1988 at site approximately 0.2 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River basin via Strawberry tunnel for irrigation in vicinity of Spanish Fork.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,020 $ft^3/_s$ July 13, 1954, gage height, 4.71 ft; minimum, 1.5 $ft^3/_s$ Dec. 5, 1959, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 383 $ft^3/_s$ July 18-20, Aug. 9, gage height 2.65 ft; minimum daily discharge 12 $ft^3/_s$ Oct. 27-31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	14	29	e26	29	35	52	146	242	229	295	305
2	16	28	32	e24	30	35	52	235	261	224	329	287
3	31	27	27	e27	30	35	54	205	270	233	340	283
4	23	26	28	e26	30	36	59	205	260	202	353	244
5	24	28	28	e28	30	35	66	207	253	170	361	256
6	25	28	26	e29	30	34	75	207	259	203	343	242
7	17	26	27	30	30	32	80	191	243	224	322	271
8	16	26	e25	30	31	33	89	183	234	255	355	215
9	15	26	e24	29	30	34	89	181	225	267	369	206
10	15	26	e25	29	29	36	82	184	209	278	339	205
11	15	26	e27	31	30	78	78	203	200	273	356	191
12	14	29	e28	29	30	71	76	220	197	306	340	167
13	14	28	e29	30	29	54	78	205	204	342	314	173
14	14	29	e28	30	e28	54	84	210	207	318	315	173
15	18	e25	e27	32	e26	56	82	201	205	314	343	164
16	16	e26	e27	30	e27	63	79	215	197	296	344	134
17	18	28	e26	30	e29	70	85	222	191	322	340	120
18	21	28	e26	29	30	72	79	223	184	373	324	121
19	18	28	e26	e28	30	107	81	230	171	378	349	104
20	16	e26	e27	e27	30	90	80	238	167	310	361	101
21	15	28	e28	28	31	92	78	252	160	303	345	103
22	14	e27	e29	e27	31	97	76	257	154	273	328	103
23	14	e24	29	e26	32	88	77	320	147	257	323	118
24	14	e25	29	e27	32	88	75	290	141	243	296	119
25	13	e26	29	29	33	79	78	291	135	240	284	101
26	13	27	29	29	35	75	82	292	136	276	291	120
27	12	25	28	29	35	74	87	286	240	299	266	99
28	12	28	28	28	36	72	93	272	253	295	276	87
29	12	27	29	29	---	71	101	262	266	292	309	89
30	12	28	28	e27	---	69	148	249	246	278	305	58
31	12	---	29	29	---	65	---	240	---	273	307	---
TOTAL	541	793	857	882	853	1930	2395	7122	6257	8546	10122	4959
MEAN	17.5	26.4	27.6	28.5	30.5	62.3	79.8	230	209	276	327	165
MAX	52	29	32	32	36	107	148	320	270	378	369	305
MIN	12	14	24	24	26	32	52	146	135	170	266	58
AC-FT	1070	1570	1700	1750	1690	3830	4750	14130	12410	16950	20080	9840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	24.4	45.4	74.3	81.6	82.0	88.5	120	201	310	358	320	177
MAX	49.5	97.7	122	122	122	123	226	278	415	414	389	303
(WY)	1989	1990	1993	1993	1993	1992	1992	1992	1989	1991	1993	1992
MIN	13.5	14.7	23.3	21.2	21.9	35.8	25.7	54.4	203	276	250	117
(WY)	1992	1989	1994	1994	1994	1994	1994	1991	1993	1995	1994	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995	
ANNUAL TOTAL	46896		45257			
ANNUAL MEAN	128		124		157	
HIGHEST ANNUAL MEAN					194	1992
LOWEST ANNUAL MEAN					124	1995
HIGHEST DAILY MEAN	493	Jun 25	378	Jul 19	493	Jun 25 1994
LOWEST DAILY MEAN	12	Oct 27	12	Oct 27	10	Dec 17 1988
ANNUAL SEVEN-DAY MINIMUM	12	Oct 25	12	Oct 25	11	Dec 3 1988
ANNUAL RUNOFF (AC-FT)	93020		89770		113900	
10 PERCENT EXCEEDS	368		301		376	
50 PERCENT EXCEEDS	33		76		108	
90 PERCENT EXCEEDS	19		25		19	

e Estimated

10150500 SPANISH FORK AT CASTILLA, UT

LOCATION.--Lat 40°02'59", long 111°32'50", in $SE^1/_4NE^1/_4NW^1/_4$ sec. 12, T. 9 S., R. 3 E., Utah County, Hydrologic Unit 16020202, on right bank 600 ft upstream from outlet of Cold Springs, 0.9 mi upstream from diversion dam of Bureau of Reclamation, 1.5 mi northwest of Castilla, and 2.8 mi downstream from Diamond Fork.

DRAINAGE AREA.--652 mi^2.

PERIOD OF RECORD.--September 1889 to December 1890, April 1903 to November 1917, May 1919 to September 1925, January 1933 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Spanish Fork" 1889-90, 1903-08.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above sea level, from topographic map. Prior to May 3, 1919, nonrecording gages at various sites 1.5 mi to 2.5 mi downstream from present site at different datums below power canal, which began diverting late in 1908. May 3, 1919, to Apr. 14, 1920, nonrecording gage, Apr. 15, 1920, to Sept. 30, 1925, and Jan. 1, 1933, to Apr. 16, 1940, water-stage recorder, at present site upstream from power canal at datum 2.00 ft lower.

REMARKS.--Records good. Several small diversions for irrigation above station. Flow since June 1915 includes water diverted from Strawberry Reservoir, capacity, 1,106,500 acre-ft since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork. Flow affected by mudslide and draining of resultant lake about 5 mi upstream Apr. 14 to Sept. 30, 1983.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft^3/s May 15, 1984, gage height, 11.53 ft; minimum, 5.8 ft^3/s Dec. 18, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,330 ft^3/s May 23, gage height, 6.58 ft; minimum daily discharge, 44 ft^3/s Dec. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	55	71	45	75	113	154	493	880	501	444	433
2	74	62	69	55	81	112	152	1010	1030	484	482	418
3	94	68	75	51	85	111	154	766	1100	541	508	412
4	84	66	80	58	83	117	159	681	1050	466	530	368
5	72	67	84	72	82	113	178	701	1010	402	550	366
6	84	68	77	75	83	107	205	684	1040	412	527	350
7	68	66	74	68	82	97	215	632	955	432	492	370
8	64	67	58	69	85	99	240	614	905	468	533	316
9	61	68	44	68	88	101	235	630	867	483	559	295
10	61	68	46	68	86	107	216	662	800	501	530	289
11	61	69	54	79	90	201	204	696	740	492	545	271
12	58	73	58	73	88	240	198	790	733	533	523	247
13	55	77	75	74	84	172	203	726	765	562	495	245
14	55	67	72	75	95	156	233	752	787	531	477	243
15	62	63	68	80	75	167	223	725	798	518	501	233
16	61	74	67	81	80	176	211	767	744	490	496	209
17	60	72	67	78	89	192	228	782	693	512	488	195
18	66	74	68	72	91	205	219	797	652	569	464	199
19	64	72	68	68	90	332	231	849	594	577	482	181
20	61	66	59	64	90	262	233	882	564	508	502	176
21	58	76	60	75	94	255	228	951	532	477	493	173
22	58	63	65	57	95	286	216	1000	507	433	485	173
23	58	52	72	63	98	249	222	1180	475	403	483	186
24	58	61	73	78	102	240	222	1070	450	380	443	189
25	58	71	73	78	107	218	243	1100	427	370	415	176
26	57	76	71	77	108	205	264	1050	405	406	416	189
27	56	70	72	82	109	191	268	977	510	445	392	176
28	56	73	70	75	114	185	291	897	525	449	393	162
29	57	69	71	69	---	180	314	866	541	448	430	172
30	56	73	69	69	---	170	523	833	527	430	435	143
31	55	---	62	78	---	168	---	838	---	418	432	---
TOTAL	2039	2046	2092	2174	2529	5527	6882	25401	21606	14641	14945	7555
MEAN	65.8	68.2	67.5	70.1	90.3	178	229	819	720	472	482	252
MAX	147	77	84	82	114	332	523	1180	1100	577	559	433
MIN	55	52	44	45	75	97	152	493	405	370	392	143
AC-FT	4040	4060	4150	4310	5020	10960	13650	50380	42860	29040	29640	14990

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

MEAN	110	85.7	78.9	79.6	92.9	132	268	546	465	399	326	201
MAX	654	480	209	165	264	334	1054	2077	1593	565	525	385
(WY)	1984	1984	1984	1990	1986	1986	1952	1984	1983	1922	1985	1992
MIN	33.5	42.7	40.5	45.4	41.9	53.0	56.7	180	126	101	92.4	59.7
(WY)	1935	1962	1961	1961	1964	1964	1961	1934	1934	1934	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1920 - 1995	
ANNUAL TOTAL	76173		107437			
ANNUAL MEAN	209		294		233	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	563	Jun 8	1180	May 23	3700	May 15 1984
LOWEST DAILY MEAN	44	Dec 9	44	Dec 9	20	Dec 9 1951
ANNUAL SEVEN-DAY MINIMUM	56	Oct 26	56	Oct 26	27	Oct 25 1934
ANNUAL RUNOFF (AC-FT)	151100		213100		169100	
10 PERCENT EXCEEDS	507		729		508	
50 PERCENT EXCEEDS	105		185		147	
90 PERCENT EXCEEDS	64		62		59	

10153800 NORTH FORK PROVO RIVER NEAR KAMAS, UT

LOCATION.--Lat 40°35'48", long 111°05'48", in NE$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 36, T. 2 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank 500 ft upstream from bridge on State Highway 150, 1,500 ft upstream from mouth, and 9.5 mi southeast of Kamas.

DRAINAGE AREA.--24.4 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 7,480 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Slight regulation from several small reservoirs at headwaters used for storing water for release during the summer and fall. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 728 ft^3/s June 5, 1986, gage height, 2.98 ft; minimum, 1.5 ft^3/s Sept. 26-29, 1994.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	0400	244	1.93	June 14	2100	*657	*2.76
June 6	0100	412	2.32				

Minimum discharge recorded, 3.5 ft^3/s Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	e7.0	e6.0	e8.8	e11	e11	e12	30	179	239	44	18
2	3.8	e6.2	e6.1	e8.4	e11	e12	13	38	277	228	43	18
3	5.4	e5.8	5.6	e8.1	e10	e12	16	35	266	286	43	17
4	7.7	e6.0	5.7	e8.5	e9.8	e11	19	35	249	228	41	16
5	9.0	e6.6	6.1	e9.0	e9.7	e10	25	38	298	215	39	17
6	10	e7.2	e6.2	e9.3	e9.8	e9.6	29	37	325	221	39	15
7	8.9	e7.2	e6.4	e9.7	e9.9	e9.8	30	34	236	225	52	14
8	8.6	e6.8	e6.7	e10	e10	e11	32	35	210	213	49	14
9	8.2	e6.4	e7.0	e11	e10	e13	30	38	163	199	44	13
10	7.9	e6.2	e7.2	e12	e9.8	e14	27	49	147	195	41	12
11	8.0	e6.0	e7.8	e11	e9.9	e16	27	60	177	186	39	12
12	8.0	e6.0	e7.6	e10	e9.7	e15	26	58	299	185	36	11
13	7.6	e6.2	e8.6	e10	e9.6	e13	32	52	442	166	35	10
14	7.6	e6.6	e8.5	e9.9	e8.9	e11	37	54	487	151	32	8.9
15	8.7	e6.2	e8.4	e9.9	e8.4	e15	33	59	509	130	30	7.8
16	8.4	e6.0	e8.2	e9.8	e9.2	17	30	73	386	113	29	7.2
17	9.1	e6.1	e7.9	e9.8	e11	19	28	74	298	102	29	7.0
18	11	e5.9	e7.9	e9.6	e11	22	26	81	269	93	27	7.3
19	10	e6.0	e7.8	e9.5	e10	27	26	89	296	88	26	7.1
20	10	e5.7	e8.2	e8.8	e10	23	25	119	325	84	29	6.6
21	10	e6.1	e8.4	e8.5	e9.8	22	24	158	324	77	36	6.6
22	10	e5.6	e8.4	e8.4	e10	21	22	191	310	71	31	6.4
23	10	e5.4	e8.2	e8.1	e11	21	21	221	304	66	30	6.3
24	10	e5.6	e8.8	e8.7	e11	18	22	165	318	61	28	6.2
25	9.7	e5.9	e8.4	e9.2	e12	e17	22	154	325	58	25	6.3
26	9.5	e6.0	e8.3	e9.9	e13	e16	21	141	328	55	23	6.7
27	9.3	e5.8	e8.7	e9.8	e13	e16	23	119	328	51	22	6.6
28	9.1	e5.8	e9.0	e9.2	e12	e15	27	104	325	47	21	6.3
29	8.4	e5.9	e9.2	e8.9	---	e14	29	102	291	42	20	7.9
30	e7.0	e6.1	e7.0	e9.5	---	e13	32	112	261	38	19	8.0
31	e6.6	---	e7.2	e10	---	e12	---	133	---	40	18	---
TOTAL	261.4	184.3	235.5	293.3	290.5	476.4	766	2688	8952	4153	1020	306.2
MEAN	8.43	6.14	7.60	9.46	10.4	15.4	25.5	86.7	298	134	32.9	10.2
MAX	11	7.2	9.2	12	13	27	37	221	509	286	52	18
MIN	3.8	5.4	5.6	8.1	8.4	9.6	12	30	147	38	18	6.2
AC-FT	518	366	467	582	576	945	1520	5330	17760	8240	2020	607

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	8.43	7.17	6.67	6.06	6.00	8.75	33.1	138	171	55.1	20.2	8.77
MAX	37.0	17.1	15.6	10.1	11.5	29.8	78.4	237	345	169	48.0	27.9
(WY)	1983	1983	1985	1986	1986	1986	1985	1993	1986	1975	1983	1983
MIN	2.91	2.87	2.74	2.45	2.00	2.00	6.85	31.6	27.3	7.88	3.47	2.50
(WY)	1993	1977	1977	1977	1977	1977	1975	1977	1992	1992	1992	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	8023.9		19626.6			
ANNUAL MEAN	22.0		53.8		39.2	
HIGHEST ANNUAL MEAN					68.9	1986
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	203	May 14	509	Jun 15	539	Jun 2 1986
LOWEST DAILY MEAN	1.6	Sep 28	3.8	Oct 2	1.6	Sep 28 1994
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 22	5.7	Nov 22	1.8	Sep 22 1994
ANNUAL RUNOFF (AC-FT)	15920		38930		28380	
10 PERCENT EXCEEDS	67		197		122	
50 PERCENT EXCEEDS	7.0		13		9.2	
90 PERCENT EXCEEDS	3.3		6.4		4.1	

e Estimated

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft$^3/_s$ June 7, 1986, from rating curve extended above 2,000 ft$^3/_s$ on the basis of slope-area measurement of peak flow, gage height, 7.40 ft; minimum, 16 ft$^3/_s$ Nov. 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,750 ft$^3/_s$ June 14, gage height, 6.43 ft; minimum, 28 ft$^3/_s$ Feb. 15, Mar. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	84	76	39	60	77	105	176	e1000	1510	228	133
2	51	83	74	47	60	77	111	241	e1400	1460	218	139
3	68	77	75	46	54	74	115	212	1620	1710	210	137
4	80	56	73	45	55	76	136	205	1540	1470	202	136
5	110	87	74	50	57	75	168	226	1720	1190	196	151
6	114	83	73	54	56	70	190	217	2080	906	175	140
7	103	81	70	54	57	56	196	197	1600	896	178	131
8	99	78	49	55	59	74	215	194	1440	866	171	129
9	95	71	55	55	57	76	192	210	1200	781	164	124
10	97	75	64	56	57	80	175	274	1010	748	162	121
11	97	73	67	56	56	143	164	332	1160	874	162	84
12	97	84	64	52	54	149	168	331	1710	1180	146	68
13	95	79	68	58	62	122	197	283	2100	1080	142	65
14	98	56	67	57	60	121	235	294	2220	936	135	67
15	107	56	64	58	41	135	203	329	2320	808	129	60
16	105	76	65	58	56	143	182	423	2010	713	124	59
17	108	72	62	58	72	157	180	418	1680	648	121	58
18	114	78	62	54	72	170	165	468	1580	622	113	57
19	109	71	62	58	66	211	163	526	1650	572	110	61
20	111	70	56	48	65	172	156	706	1790	509	116	60
21	112	80	60	48	67	169	147	883	1770	444	157	60
22	116	64	59	44	70	162	141	1070	1720	385	153	59
23	112	67	58	48	70	152	139	1330	1660	347	156	58
24	109	72	60	54	75	144	129	e1140	1700	319	165	58
25	108	75	60	58	79	121	135	e1000	1700	294	139	59
26	106	76	58	57	83	125	130	e998	1680	272	130	62
27	105	73	56	56	82	112	141	e980	1680	248	124	61
28	90	73	56	54	77	110	160	e910	1670	231	118	60
29	82	73	56	42	---	107	167	e890	1600	213	112	72
30	71	77	51	53	---	102	197	e918	1590	201	109	74
31	70	---	39	58	---	103	---	e938	---	198	105	---
TOTAL	2984	2220	1933	1630	1779	3665	4902	17319	49600	22631	4670	2603
MEAN	96.3	74.0	62.4	52.6	63.5	118	163	559	1653	730	151	86.8
MAX	116	87	76	58	83	211	235	1330	2320	1710	228	151
MIN	45	56	39	39	41	56	105	176	1000	198	105	57
AC-FT	5920	4400	3830	3230	3530	7270	9720	34350	98380	44890	9260	5160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	73.1	65.7	60.6	58.4	57.6	73.1	193	763	803	262	120	81.7
MAX	155	97.9	97.3	86.9	95.7	198	370	1253	1653	730	255	166
(WY)	1983	1983	1984	1984	1986	1986	1985	1993	1995	1995	1965	1982
MIN	41.3	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	1989	1993	1977	1977	1977	1977	1975	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	53149		115936			
ANNUAL MEAN	146		318		218	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	1230	May 14	2320	Jun 15	2530	May 28 1979
LOWEST DAILY MEAN	31	Sep 11	39	Dec 31	24	Aug 26 1992
ANNUAL SEVEN-DAY MINIMUM	33	Sep 6	45	Dec 30	25	Aug 24 1992
ANNUAL RUNOFF (AC-FT)	105400		230000		158000	
10 PERCENT EXCEEDS	391		1100		632	
50 PERCENT EXCEEDS	67		110		79	
90 PERCENT EXCEEDS	39		56		46	

e Estimated

10154500 WEBER - PROVO DIVERSION CANAL NEAR WOODLAND, UT

LOCATION (REVISED).--Lat 40°36'50", long 111°18'15", in NE$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 30, T. 2 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on left bank 100 ft upstream from entrance to flume above Provo River valley, and 4.6 mi northwest of Woodland.

PERIOD OF RECORD.--October 1931 to July 1969, during period of diversion only, October 1988 to current year. Subsequent to September 1990 irrigation season only.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above sea level, from topographic map.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Canal diverts water from Weber River in NW$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 21, T. 1 S., R. 6 E., and from Beaver Creek in SW$^1/_4$NE$^1/_4$SE$^1/_4$ sec. 17, T. 2 S., R. 6 E., to Provo River.

EXTREMES FOR PERIOD OF RECORD.--(Period of diversion only) Maximum daily discharge, 870 ft$^3/_s$ June 4, 1957; no water diverted from Weber River or Beaver Creek for several months each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	e44	61	135	375	---	---	---
2	---	---	---	---	---	e43	67	202	388	---	---	---
3	---	---	---	---	---	e45	71	180	272	---	---	---
4	---	---	---	---	---	e46	67	177	126	---	---	---
5	---	---	---	---	---	e45	92	189	120	---	---	---
6	---	---	---	---	---	e43	113	206	139	---	---	---
7	---	---	---	---	---	e40	117	193	208	---	---	---
8	---	---	---	---	---	e48	133	181	298	---	---	---
9	---	---	---	---	---	e49	116	194	292	---	---	---
10	---	---	---	---	---	e51	107	223	259	---	---	---
11	---	---	---	---	---	e75	101	270	261	---	---	---
12	---	---	---	---	---	e88	97	308	272	---	---	---
13	---	---	---	---	---	e86	114	290	304	---	---	---
14	---	---	---	---	---	e82	140	302	316	---	---	---
15	---	---	---	---	---	e85	129	296	305	---	---	---
16	---	---	---	---	---	e95	113	374	308	---	---	---
17	---	---	---	---	---	e103	107	369	288	---	---	---
18	---	---	---	---	---	e119	102	378	282	---	---	---
19	---	---	---	---	---	e130	100	398	193	---	---	---
20	---	---	---	---	---	e105	100	444	101	---	---	---
21	---	---	---	---	---	e102	91	508	101	---	---	---
22	---	---	---	---	---	e95	90	609	99	---	---	---
23	---	---	---	---	---	e92	91	734	84	---	---	---
24	---	---	---	---	---	e90	86	e800	86	---	---	---
25	---	---	---	---	---	e85	95	648	83	---	---	---
26	---	---	---	---	---	e86	92	254	79	---	---	---
27	---	---	---	---	---	e84	106	116	77	---	---	---
28	---	---	---	---	---	e83	111	104	72	---	---	---
29	---	---	---	---	---	82	112	95	61	---	---	---
30	---	---	---	---	---	78	152	88	53	---	---	---
31	---	---	---	---	---	64	---	224	---	---	---	---
TOTAL	---	---	---	---	---	2363	3073	9489	5902	---	---	---
MEAN	---	---	---	---	---	76.2	102	306	197	---	---	---
MAX	---	---	---	---	---	130	152	800	388	---	---	---
MIN	---	---	---	---	---	40	61	88	53	---	---	---
AC-FT	---	---	---	---	---	4690	6100	18820	11710	---	---	---

e Estimated

10155000 PROVO RIVER NEAR HAILSTONE, UT

LOCATION.--Lat 40°36'03", long 111°19'51", in $SW^1/_4NE^1/_4SW^1/_4$ sec. 36, T. 2 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on left bank 0.25 mi downstream of bridge on State Highway 32, 4.5 mi upstream from Ross Creek and Hailstone. Prior to Apr. 8, 1993, at site 1.5 mi downstream.

DRAINAGE AREA.--219 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR UT-89-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,220 ft above sea level, from topographic map. Prior to Nov. 20, 1964 at datum 1.00 ft higher. Gage relocated 1.5 mi upstream on Apr. 8, 1993, to a site above the high water line of Jordanelle Reservoir, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Weber- Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s June 7, 1986, from rating curve extended above 2,500 ft^3/s; gage height, 9.91 ft from floodmarks at site and datum then in use; minimum, 11 ft^3/s Aug. 20, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,980 ft^3/s June 15, gage height 9.03 ft; minimum daily discharge, 34 ft^3/s Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	88	85	e50	69	103	180	346	1600	1510	225	107
2	36	91	82	e54	73	105	190	538	2100	1450	209	120
3	56	86	83	e62	68	103	196	463	2150	1720	197	118
4	77	76	86	e60	69	112	214	428	1940	1530	195	115
5	100	92	87	e63	73	104	276	462	2090	1250	180	133
6	116	93	84	e67	70	97	323	485	2440	909	160	126
7	96	89	86	e72	71	79	326	437	1980	891	151	117
8	88	86	78	e74	72	94	368	417	1870	851	145	116
9	84	79	e62	e74	71	106	321	430	1540	753	138	111
10	82	81	e74	70	71	153	296	517	1270	766	131	105
11	82	79	e86	70	72	323	272	633	1330	924	137	93
12	83	95	e85	e69	70	294	272	697	2000	1350	128	86
13	81	93	e83	67	81	225	309	619	2520	1270	121	95
14	87	72	e88	68	84	215	380	645	2640	1100	113	94
15	117	82	e88	e76	63	243	344	642	2670	944	105	92
16	108	83	e84	73	e76	278	307	808	2500	817	101	91
17	125	91	e86	74	e93	267	303	805	2070	739	99	92
18	144	87	e84	e73	88	295	287	853	1950	763	93	94
19	121	96	e82	74	82	451	284	936	1830	767	91	93
20	119	e84	e74	e72	81	335	280	1200	1920	706	97	93
21	116	96	e78	e63	83	345	261	1510	1870	624	123	92
22	122	e78	e78	e63	88	341	256	1820	1840	519	140	92
23	119	e82	e78	e57	88	303	260	2340	1740	454	136	91
24	115	e84	e77	e63	95	285	244	2140	1750	429	154	90
25	115	e88	79	e72	103	239	257	1870	1790	382	125	90
26	115	89	75	73	111	244	255	1390	1760	282	115	90
27	113	e88	73	66	113	226	271	1070	1780	326	110	90
28	102	e86	e73	66	104	214	291	960	1750	299	105	90
29	90	e86	73	e64	---	205	296	917	1650	256	98	99
30	81	89	69	e53	---	194	378	928	1610	234	93	103
31	73	---	e64	e71	---	183	---	1140	---	222	92	---
TOTAL	2997	2589	2464	2073	2282	6761	8497	28446	57950	25037	4107	3018
MEAN	96.7	86.3	79.5	66.9	81.5	218	283	918	1932	808	132	101
MAX	144	96	88	76	113	451	380	2340	2670	1720	225	133
MIN	34	72	62	50	63	79	180	346	1270	222	91	86
AC-FT	5940	5140	4890	4110	4530	13410	16850	56420	114900	49660	8150	5990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1995, BY WATER YEAR (WY)

MEAN	86.9	97.2	92.4	88.1	93.4	118	310	1036	966	265	98.1	80.4
MAX	191	170	156	135	228	311	824	1935	2026	856	263	203
(WY)	1983	1973	1956	1971	1962	1986	1962	1993	1957	1965	1965	1983
MIN	43.7	59.0	55.4	54.7	55.5	65.4	113	131	102	25.3	20.9	27.2
(WY)	1955	1977	1977	1977	1977	1977	1961	1977	1992	1961	1992	1960

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1954 - 1995	
ANNUAL TOTAL	73698		146221			
ANNUAL MEAN	202		401		278	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2020	May 14	2670	Jun 15	3560	May 22 1993
LOWEST DAILY MEAN	19	Jul 19	34	Oct 1	12	Aug 21 1960
ANNUAL SEVEN-DAY MINIMUM	22	Jul 17	60	Dec 31	14	Jul 25 1961
ANNUAL RUNOFF (AC-FT)	146200		290000		201400	
10 PERCENT EXCEEDS	553		1470		816	
50 PERCENT EXCEEDS	90		113		105	
90 PERCENT EXCEEDS	29		72		57	

e Estimated

10155400 SPRING CREEK NEAR HEBER, UTAH

LOCATION.--Lat 40°30'31", long 111°26'19", in $SE^1/_4SW^1/_4SE^1/_4$ sec. 36, T. 3 S., R. 4 E., Wasatch county, Hydrologic Unit 16020203, on left bank 260 ft upstream from state highway 113, 5000 ft upstream from mouth, and .8 mi west of Heber.

DRAINAGE AREA.--

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5500 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 198 $ft^3/_s$ Mar. 19, 1994, gage height 2.81 ft, maximum gage height, 3.14 ft, May 23, 1995; minimum daily, 4.1 $ft^3/_s$ July 28, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 164 $ft^3/_s$ May 23, gage height 3.14 ft; minimum daily, 7.9 $ft^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.7	13	e15	e14	e21	18	17	35	70	72	14	22
2	7.9	14	e17	e11	e20	19	17	57	99	71	18	24
3	11	15	e19	e10	e19	20	16	42	99	96	19	20
4	19	14	e21	e10	e18	27	16	37	98	89	18	19
5	9.8	15	24	e10	e18	20	16	37	95	66	14	22
6	8.8	15	26	e11	e17	18	16	40	91	60	13	23
7	e10	14	26	e12	e19	17	18	38	89	51	10	22
8	e12	15	23	e14	19	17	26	35	99	53	11	22
9	e14	14	21	e16	22	17	26	36	86	54	11	21
10	e13	14	e13	e18	25	23	24	39	60	62	16	22
11	e13	14	e10	21	23	33	21	51	57	43	15	23
12	e14	17	e11	28	20	33	23	55	67	44	17	22
13	e15	19	e13	28	21	22	25	54	89	43	13	22
14	e16	17	e17	25	e24	20	21	67	97	36	13	23
15	e22	17	e16	24	e18	19	18	59	103	38	15	21
16	e15	18	e14	22	e14	19	17	57	98	39	12	21
17	e16	19	e12	22	13	20	17	62	104	37	13	21
18	e16	18	e11	e21	18	20	20	64	102	36	13	22
19	e15	19	e11	e17	21	29	22	64	97	37	12	23
20	14	19	e11	e13	22	25	24	66	99	33	16	25
21	13	19	e12	e14	25	25	29	68	102	35	16	24
22	13	19	e14	e15	28	28	28	76	101	32	19	25
23	13	18	e16	e17	27	25	27	131	100	30	20	26
24	13	e14	e18	e19	26	25	32	97	100	26	18	26
25	13	e12	e19	e21	23	23	32	87	96	17	17	25
26	13	e13	e20	e19	22	23	31	86	93	14	18	25
27	14	e14	e20	e18	20	23	29	77	93	13	17	24
28	13	e13	e20	e17	18	22	25	68	87	16	18	23
29	12	e12	e20	e18	---	21	27	65	74	14	17	24
30	13	e14	e19	e19	---	20	33	61	70	11	18	26
31	13	---	e17	e20	---	20	---	65	---	15	19	---
TOTAL	413.2	468	526	544	581	691	693	1876	2715	1283	480	688
MEAN	13.3	15.6	17.0	17.5	20.7	22.3	23.1	60.5	90.5	41.4	15.5	22.9
MAX	22	19	26	28	28	33	33	131	104	96	20	26
MIN	7.9	12	10	10	13	17	16	35	57	11	10	19
AC-FT	820	928	1040	1080	1150	1370	1370	3720	5390	2540	952	1360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

MEAN	15.5	16.1	15.2	15.5	20.7	22.0	19.9	51.1	60.1	25.1	14.0	16.3
MAX	17.7	16.6	17.0	17.5	20.7	22.3	23.1	60.5	90.5	41.4	15.5	22.9
(WY)	1994	1994	1995	1995	1995	1995	1995	1995	1995	1995	1995	1995
MIN	13.3	15.6	13.4	13.4	20.6	21.8	16.7	41.8	29.8	8.91	12.4	9.68
(WY)	1995	1995	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1994 - 1995	
ANNUAL TOTAL	6718.0		10958.2			
ANNUAL MEAN	18.4		30.0		24.3	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					18.6	1994
HIGHEST DAILY MEAN	78	Mar 19	131	May 23	131	May 23 1995
LOWEST DAILY MEAN	4.1	Jul 28	7.9	Oct 2	4.1	Jul 28 1994
ANNUAL SEVEN-DAY MINIMUM	5.1	Apr 11	11	Oct 1	5.1	Apr 11 1994
ANNUAL RUNOFF (AC-FT)	13330		21740		17600	
10 PERCENT EXCEEDS	39		70		47	
50 PERCENT EXCEEDS	14		20		18	
90 PERCENT EXCEEDS	7.9		13		10	

e Estimated

10155500 PROVO RIVER NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'03", long 111°27'46", in $NE^1/_4NE^1/_4SW^1/_4$ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 1,000 ft upstream from Snake Creek and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--350 mi^2.

PERIOD OF RECORD.--Oct. 1938 to Sept. 1950, Oct. 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above sea level, from topographic map. Prior to Oct. 1991 at different sites and datums.

REMARKS.--Records fair through May 4 and good thereafter. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Flow affected, by Jordanelle Reservoir, capacity 329,000 acre-ft, irrigation diversions above station and by several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,280 $ft^3/_s$ May 22, 1993, gage height, 6.29 ft; minimum, 13 $ft^3/_s$ Oct. 24, 1940, Oct. 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 $ft^3/_s$ June 16, gage height 5.73 ft; minimum daily, 25 $ft^3/_s$ Apr. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	65	65	55	66	77	88	37	448	788	182	144
2	34	65	65	61	71	75	81	87	513	701	162	150
3	39	59	66	58	74	78	66	61	708	676	139	150
4	61	57	78	59	71	101	59	53	785	667	124	144
5	69	61	82	63	70	80	60	55	618	564	115	143
6	71	61	77	65	72	75	59	65	686	405	110	123
7	72	59	79	64	72	73	58	60	886	429	105	95
8	68	60	70	64	72	72	70	57	753	499	107	89
9	65	60	63	71	78	71	77	56	627	499	107	88
10	63	59	62	73	83	88	74	61	489	490	95	94
11	63	58	64	88	83	116	64	85	404	471	92	92
12	68	65	63	84	76	121	59	102	760	726	89	90
13	69	72	67	79	78	94	58	97	1260	945	88	101
14	71	69	65	79	114	85	60	125	1460	841	83	140
15	115	68	64	117	95	82	62	116	1740	714	88	162
16	83	72	64	101	80	80	62	146	1570	646	113	184
17	88	71	64	90	76	80	65	242	1280	605	115	187
18	88	69	63	81	87	80	59	302	1140	532	113	173
19	80	70	65	76	93	103	49	372	1090	539	112	112
20	71	69	62	71	90	93	55	468	1090	568	116	106
21	66	69	61	67	91	91	61	929	1030	573	121	106
22	66	68	61	64	94	99	52	1010	968	476	129	109
23	65	65	63	66	94	90	48	1230	956	396	141	107
24	64	65	65	68	93	91	48	1540	851	364	146	104
25	63	66	65	68	90	102	51	1110	800	330	140	113
26	57	67	65	68	85	144	49	752	830	316	134	116
27	59	67	65	69	82	168	44	598	844	314	130	101
28	61	69	65	68	79	216	31	471	874	303	133	98
29	61	66	64	65	---	248	25	461	898	276	145	107
30	63	66	64	63	---	306	33	452	876	229	146	109
31	63	---	61	64	---	233	---	449	---	198	144	---
TOTAL	2059	1957	2047	2229	2309	3512	1727	11649	27234	16080	3764	3637
MEAN	66.4	65.2	66.0	71.9	82.5	113	57.6	376	908	519	121	121
MAX	115	72	82	117	114	306	88	1540	1740	945	182	187
MIN	33	57	61	55	66	71	25	37	404	198	83	88
AC-FT	4080	3880	4060	4420	4580	6970	3430	23110	54020	31890	7470	7210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-1950, 1992-1995, BY WATER YEAR (WY)

MEAN	59.7	104	105	105	112	151	273	643	543	125	47.3	47.1
MAX	125	150	140	127	140	272	710	1243	1255	519	121	121
(WY)	1950	1992	1992	1950	1950	1993	1946	1993	1993	1995	1995	1995
MIN	21.4	60.5	66.0	71.8	81.9	86.7	57.6	314	41.0	23.5	18.5	16.8
(WY)	1941	1940	1995	1994	1994	1994	1995	1940	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939-1950, 1992-1995	
ANNUAL TOTAL	44887		78204			
ANNUAL MEAN	123		214		193	
HIGHEST ANNUAL MEAN					328	1993
LOWEST ANNUAL MEAN					91.3	1940
HIGHEST DAILY MEAN	1100	May 15	1740	Jun 15	2210	May 23 1993
LOWEST DAILY MEAN	21	Jul 28	25	Apr 29	14	Sep 11 1992
ANNUAL SEVEN-DAY MINIMUM	22	Jul 23	39	Apr 25	15	Sep 6 1992
ANNUAL RUNOFF (AC-FT)	89030		155100		139800	
10 PERCENT EXCEEDS	316		680		500	
50 PERCENT EXCEEDS	66		83		104	
90 PERCENT EXCEEDS	26		60		32	

10156000 SNAKE CREEK NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'07", long 111°27'59", in $NE^1/_4NW^1/_4SW^1/_4$ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 700 ft upstream from mouth and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--31.8 mi^2.

PERIOD OF RECORD.--September 1938 to October 1950, May 1993 to current year. Monthly discharge only, September 1938 to September 1945, published in WSP 1413.

GAGE.--Water-stage recorder. Elevation of gage is 5,435 ft above sea level, from topographic map. Prior to 1993 at different datum.

REMARKS.--No estimated daily discharges. Records good. Some diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 $ft^3/_s$ June 14, 1995, gage height, 2.46 ft, maximum gage height, 3.06 ft June 4, 1943, datum then in use; minimum, 19 $ft^3/_s$ May 1, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 146 $ft^3/_s$ June 14, gage height, 2.46 ft; minimum daily discharge, 31 $ft^3/_s$ Sept. 5, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	35	42	35	38	42	41	42	64	103	39	35
2	35	37	41	36	38	43	41	44	74	94	41	36
3	37	35	41	36	39	45	41	42	78	92	38	34
4	40	34	42	36	39	48	40	39	78	78	43	32
5	40	35	43	36	39	44	40	39	81	75	45	31
6	39	37	41	36	39	42	40	40	82	59	43	37
7	37	40	40	36	39	42	39	39	77	55	47	44
8	36	41	39	35	39	41	39	38	74	52	48	38
9	35	41	39	36	40	41	40	36	70	47	50	42
10	34	40	38	35	40	42	39	35	64	67	45	40
11	35	43	39	37	41	44	39	36	65	80	47	39
12	36	45	39	36	40	46	40	37	70	91	46	36
13	37	46	40	36	40	43	40	38	77	75	46	35
14	38	45	38	36	46	42	42	40	109	67	48	34
15	42	42	39	48	43	42	45	40	112	54	44	31
16	39	41	39	44	41	42	46	42	89	51	45	32
17	39	41	38	43	41	41	42	44	91	49	48	32
18	38	41	38	42	42	41	41	44	87	51	46	33
19	35	42	38	41	42	43	41	43	86	50	44	35
20	35	42	37	40	42	41	41	44	92	42	46	36
21	38	41	37	40	43	42	43	46	99	51	44	37
22	38	41	37	40	43	43	44	49	93	50	41	38
23	38	42	37	40	43	42	44	59	92	55	42	40
24	38	41	37	40	43	43	45	58	94	53	40	43
25	36	40	36	40	42	42	44	58	95	50	38	43
26	34	41	36	40	42	42	46	62	96	46	38	43
27	34	40	36	40	42	41	45	61	100	44	40	42
28	34	41	36	40	42	41	40	61	102	44	38	42
29	36	40	36	40	---	41	40	62	101	41	34	44
30	36	41	36	39	---	41	41	65	113	37	35	43
31	34	---	35	40	---	41	---	63	---	38	36	---
TOTAL	1138	1211	1190	1199	1148	1314	1249	1446	2605	1841	1325	1127
MEAN	36.7	40.4	38.4	38.7	41.0	42.4	41.6	46.6	86.8	59.4	42.7	37.6
MAX	42	46	43	48	46	48	46	65	113	103	50	44
MIN	34	34	35	35	38	41	39	35	64	37	34	31
AC-FT	2260	2400	2360	2380	2280	2610	2480	2870	5170	3650	2630	2240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50, 1994-95, BY WATER YEAR (WY)

MEAN	45.2	47.0	43.3	41.1	41.2	44.9	45.5	54.4	59.8	44.6	38.7	38.5
MAX	57.5	62.9	53.9	49.9	54.9	52.1	57.8	87.5	86.8	59.4	49.8	48.5
(WY)	1946	1946	1946	1946	1945	1945	1945	1943	1995	1995	1945	1945
MIN	35.5	33.8	36.2	35.4	33.6	36.2	36.3	38.6	35.5	26.3	28.3	29.5
(WY)	1940	1940	1940	1941	1941	1940	1941	1994	1994	1994	1940	1939

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939-50, 1994-95	
ANNUAL TOTAL	13427		16793			
ANNUAL MEAN	36.8		46.0		45.2	
HIGHEST ANNUAL MEAN					52.5	1945
LOWEST ANNUAL MEAN					36.2	1940
HIGHEST DAILY MEAN	54	Feb 27	113	Jun 30	113	Jun 30 1995
LOWEST DAILY MEAN	24	Jul 21	31	Sep 5	24	Jul 21 1994
ANNUAL SEVEN-DAY MINIMUM	25	Jul 15	33	Sep 13	25	Jul 15 1994
ANNUAL RUNOFF (AC-FT)	26630		33310		32760	
10 PERCENT EXCEEDS	44		67		57	
50 PERCENT EXCEEDS	37		41		44	
90 PERCENT EXCEEDS	28		36		35	

10157000 DANIELS CREEK ABOVE DIVERSIONS NEAR HEBER CITY, UT

LOCATION.--Lat 40°25'54", long 111°21'07", in $NW^1/_4SE^1/_4NW^1/_4$ sec. 35, T. 4 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on right bank 6 mi southeast of Heber City and 7.5 mi upstream from Deer Creek Reservoir.

DRAINAGE AREA.--37.2 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,110 ft above sea level, from topographic map.

REMARKS.--Records good except for May 20-24, which are fair and estimated daily discharges, which are poor. Records may include flow from Strawberry River and Willow Creek Ditches, which are transmountain diversions.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 170 $ft^3/_s$ May 23, 1995, gage height 5.82 ft; maximum gage height, 6.17 ft, May 22, 1993; minimum, 1.1 $ft^3/_s$ Mar. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 170 $ft^3/_s$ May 23, gage height 5.82 ft; maximum gage height, 6.07 ft, probably occurred May 21; minimum, 1.1 $ft^3/_s$ Mar. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.6	2.9	e1.4	e3.0	3.6	5.3	28	100	27	18	10
2	3.5	2.5	2.9	e1.5	e3.6	3.4	5.3	37	127	24	18	11
3	4.6	2.5	e3.1	e1.7	e3.3	3.4	5.7	35	124	30	17	11
4	5.6	2.4	e3.3	e1.6	e2.9	3.8	6.6	33	113	26	17	10
5	5.9	2.5	e3.4	e1.6	e3.0	3.5	8.6	36	109	23	16	10
6	5.7	2.4	e3.0	e1.7	e2.9	3.3	11	38	115	21	15	9.9
7	4.5	2.4	e3.3	e1.9	e2.9	2.8	14	33	87	20	15	9.6
8	4.1	2.4	e1.7	e2.0	e3.1	3.1	18	31	78	19	14	9.5
9	3.9	2.3	e2.4	e2.2	e3.0	3.3	16	32	68	18	15	9.5
10	3.7	2.3	e2.8	e2.4	2.9	3.7	13	40	62	17	15	9.2
11	3.7	2.3	e3.1	e2.6	3.0	10	12	52	67	16	15	9.0
12	3.8	2.9	e3.4	2.5	2.9	9.6	11	57	87	16	14	8.9
13	3.7	3.0	3.5	2.5	2.9	6.9	12	46	101	15	14	8.7
14	3.8	2.5	3.2	2.5	2.6	6.4	15	45	105	14	13	8.5
15	4.9	2.6	3.2	2.8	1.8	6.6	14	47	104	15	13	8.2
16	5.1	2.8	3.2	2.6	2.2	6.8	13	62	93	31	12	7.9
17	5.9	2.7	3.2	2.5	2.3	7.2	13	66	78	31	12	7.9
18	5.7	2.7	3.0	e2.1	2.6	7.9	12	71	71	30	12	8.7
19	4.1	2.6	2.8	e2.7	3.1	12	12	80	68	30	11	8.0
20	3.4	2.7	e2.5	e1.7	3.1	9.9	11	95	67	28	11	7.5
21	3.0	2.9	e2.2	e1.8	3.2	9.4	11	105	65	27	11	7.2
22	2.9	e2.5	e2.3	e1.8	3.4	9.6	10	102	61	26	12	7.2
23	2.8	e2.6	e2.4	e1.8	3.4	8.7	10	153	56	23	11	7.1
24	2.8	e2.7	e2.5	e2.1	3.6	8.2	9.8	137	54	23	11	6.5
25	2.7	3.3	e2.6	e2.4	3.8	7.4	10	125	52	23	11	6.0
26	2.7	3.2	e2.6	e2.4	3.7	6.8	10	111	49	22	10	5.8
27	2.7	e3.0	e2.5	e2.4	3.7	6.3	11	100	45	21	9.9	7.0
28	2.6	3.2	e2.3	e2.3	3.8	6.0	13	89	40	21	9.7	7.2
29	2.6	3.1	e2.6	e1.9	---	5.7	17	86	33	20	9.5	8.3
30	2.7	3.0	e2.4	e2.2	---	5.5	26	88	28	19	10	8.5
31	2.6	---	e1.9	e2.5	---	5.3	---	93	---	19	10	---
TOTAL	119.4	80.6	86.2	66.1	85.7	196.1	356.3	2153	2307	695	402.1	253.8
MEAN	3.85	2.69	2.78	2.13	3.06	6.33	11.9	69.5	76.9	22.4	13.0	8.46
MAX	5.9	3.3	3.5	2.8	3.8	12	26	153	127	31	18	11
MIN	2.6	2.3	1.7	1.4	1.8	2.8	5.3	28	28	14	9.5	5.8
AC-FT	237	160	171	131	170	389	707	4270	4580	1380	798	503

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	3.77	2.78	2.94	2.87	3.26	5.41	13.5	62.9	40.4	13.8	8.19	6.02
MAX	4.80	3.04	3.12	3.36	3.50	6.33	16.9	82.0	76.9	22.4	13.0	8.46
(WY)	1994	1994	1994	1993	1994	1995	1993	1993	1995	1995	1995	1995
MIN	2.66	2.61	2.78	2.13	3.06	4.00	11.6	37.3	13.6	5.34	3.74	3.14
(WY)	1993	1993	1995	1995	1995	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1993 - 1995	
ANNUAL TOTAL	2894.5		6801.3			
ANNUAL MEAN	7.93		18.6		13.9	
HIGHEST ANNUAL MEAN					18.6	1995
LOWEST ANNUAL MEAN					8.07	1994
HIGHEST DAILY MEAN	65	May 13	153	May 23	153	May 23 1995
LOWEST DAILY MEAN	1.7	Dec 8	1.4	Jan 1	1.4	Jan 1 1995
ANNUAL SEVEN-DAY MINIMUM	2.4	Nov 5	1.6	Dec 31	1.6	Dec 31 1994
ANNUAL RUNOFF (AC-FT)	5740		13490		10060	
10 PERCENT EXCEEDS	20		62		35	
50 PERCENT EXCEEDS	3.7		7.2		4.4	
90 PERCENT EXCEEDS	2.7		2.4		2.6	

e Estimated

10157500 DANIELS CREEK AT CHARLESTON, UT

LOCATION.--Lat 40°27'39", long 111°28'19", in $SE^1/_4NE^1/_4NE^1/_4$ sec. 22, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 3 ft above capacity elevation of Deer Creek Reservoir, 200 ft downstream from culvert on State Highway 113 in old town of Charleston and 3.5 mi south of Midway.

DRAINAGE AREA.--

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 those prior to May 29, 1993 and estimated daily discharges, which are poor. Small transmountain diversions from Strawberry River Basin drain into Daniels Creek. Flow also affected by irrigation diversions above station and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 274 $ft^3/_s$ May 23, 1995; no flow several days in July and August, 1994, September 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 274 $ft^3/_s$ May 23, gage height, 3.92 ft; no flow Sept. 21, 22, 24, 25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	2.4	2.6	e1.8	e2.9	3.3	3.2	22	129	18	14	15
2	3.1	2.4	2.5	e1.6	e3.7	3.2	3.1	32	191	15	7.4	5.5
3	4.6	2.3	2.6	e1.8	e3.5	3.4	2.3	35	201	23	12	7.8
4	6.8	2.1	3.0	e2.0	e3.0	3.8	4.7	35	195	27	9.5	6.2
5	4.2	2.2	2.9	e1.9	e3.1	3.3	3.1	39	194	23	7.0	5.9
6	5.4	2.3	3.5	e2.0	e3.0	3.0	2.5	44	244	17	9.1	3.7
7	4.1	2.0	3.5	e2.1	e3.0	1.8	3.7	42	160	11	6.8	2.2
8	3.4	2.0	2.7	e2.3	e3.1	1.4	12	41	130	16	4.7	9.2
9	3.1	2.1	2.1	e2.6	3.0	1.3	16	40	109	14	12	7.3
10	2.8	2.1	1.2	e3.0	3.6	1.5	16	43	86	19	19	13
11	3.0	2.3	1.1	e3.5	3.7	2.4	16	58	75	16	13	7.9
12	1.5	2.2	1.0	3.3	2.8	3.9	13	66	97	5.6	4.2	4.7
13	1.1	2.4	e1.5	3.3	2.7	2.0	8.7	52	144	5.7	12	8.7
14	1.5	2.5	e2.1	3.2	4.8	2.1	11	54	148	21	8.9	6.0
15	4.6	2.3	e2.2	4.9	2.8	2.2	12	50	164	21	7.6	4.1
16	3.3	2.3	e2.2	4.2	2.6	2.3	14	63	152	28	8.2	5.2
17	2.9	2.3	e2.3	3.5	2.3	2.3	20	59	114	25	9.5	5.3
18	3.3	2.2	e2.3	3.3	2.5	2.4	17	70	109	15	9.5	6.6
19	2.5	2.0	e2.3	e3.1	3.9	2.7	19	94	98	20	12	9.3
20	2.4	2.0	e2.2	e2.5	3.6	2.7	26	103	89	22	7.5	9.5
21	2.4	2.1	e2.0	e1.8	4.2	2.5	31	107	83	21	13	7.1
22	2.6	1.8	e2.0	e1.9	4.3	2.6	28	120	66	14	6.2	.87
23	2.6	1.6	e2.1	e1.9	4.2	2.5	20	203	71	23	14	7.3
24	2.6	1.5	e2.2	e2.1	3.9	2.5	12	178	52	24	15	6.0
25	2.5	1.8	e2.3	e2.3	3.2	2.5	15	132	55	13	10	.30
26	2.3	1.9	e2.4	e2.4	3.2	2.3	20	126	49	2.8	10	1.4
27	2.2	1.9	e2.3	e2.4	3.5	2.3	18	140	30	2.7	8.0	5.5
28	2.1	1.8	e2.2	e2.3	3.4	2.3	16	136	22	2.3	9.3	7.2
29	2.1	1.7	e2.0	e2.0	---	2.3	16	110	19	4.7	9.2	11
30	2.2	2.1	e2.4	e2.2	---	3.1	21	119	15	14	11	12
31	2.3	---	e2.2	e2.3	---	3.4	---	130	---	12	17	---
TOTAL	91.6	62.6	69.9	79.5	93.5	79.3	420.3	2543	3291	495.8	316.6	201.77
MEAN	2.95	2.09	2.25	2.56	3.34	2.56	14.0	82.0	110	16.0	10.2	6.73
MAX	6.8	2.5	3.5	4.9	4.8	3.9	31	203	244	28	19	15
MIN	1.1	1.5	1.0	1.6	2.3	1.3	2.3	22	15	2.3	4.2	.30
AC-FT	182	124	139	158	185	157	834	5040	6530	983	628	400

CAL YR 1994	TOTAL	2188.25	MEAN	6.00	MAX	45	MIN	.00	AC-FT	4340
WTR YR 1995	TOTAL	7744.87	MEAN	21.2	MAX	244	MIN	.30	AC-FT	15360

e Estimated

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT

LOCATION.--Lat 40°24'12", long 111°31'44", in $NE^1/_4NE^1/_4NE^1/_4$ sec. 7, T. 5 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 200 ft upstream from Deer Creek, 1,000 ft downstream from Deer Creek Dam, and 4.1 mi northeast of Vivian Park.

DRAINAGE AREA.--547 mi^2.

PERIOD OF RECORD.--May 1953 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-81-1: 1980.

GAGE.--Water-stage recorder. Elevation of gage is 5,270 ft above sea level, from topographic map.

REMARKS.--Records good. Flow regulated by Deer Creek Reservoir and by small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow also affected by irrigation diversions above station and water diverted to Provo River by Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Information is available for these stations from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,260 $ft^3/_s$ June 3, 1983, gage height, 9.11 ft; no flow Feb. 2, 3, 1957, Nov. 12, 19, 1961, when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,370 $ft^3/_s$ June 17, gage height 5.95 ft; minimum daily discharge, 75 $ft^3/_s$ Nov. 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	78	81	84	83	82	91	127	652	780	624	475
2	130	77	83	85	83	85	91	120	611	793	591	442
3	125	79	84	85	83	88	91	111	538	808	533	387
4	111	78	86	83	84	89	95	109	534	826	515	366
5	96	79	85	82	83	88	102	108	218	825	512	357
6	82	78	86	82	83	86	102	108	81	683	506	338
7	83	80	89	82	83	85	102	107	79	616	486	357
8	82	79	87	82	82	85	103	108	79	617	485	396
9	83	77	88	83	81	85	100	123	100	617	489	395
10	83	75	89	84	83	92	98	146	512	602	488	393
11	80	77	89	87	83	114	97	137	540	587	475	407
12	82	78	87	85	82	115	97	127	611	596	473	413
13	82	78	88	84	82	105	99	115	671	713	476	415
14	83	78	88	84	84	103	102	111	798	682	456	415
15	84	79	88	85	86	103	100	113	1080	638	451	413
16	84	80	88	83	84	104	99	114	1300	642	472	413
17	84	80	88	83	82	105	99	113	1090	646	481	405
18	81	80	88	82	81	105	98	114	782	646	477	396
19	81	77	87	81	81	118	99	165	700	644	472	389
20	79	78	87	81	81	112	98	214	890	643	467	380
21	80	80	87	81	82	112	98	216	1200	641	460	379
22	80	81	87	81	83	111	96	383	1340	641	442	375
23	81	81	87	81	83	109	94	591	1320	652	441	367
24	79	81	87	81	83	107	94	594	1150	650	430	360
25	77	81	87	80	83	104	94	742	1060	616	411	385
26	79	82	85	81	84	102	97	1110	1060	578	407	408
27	77	81	84	83	83	100	136	1170	1040	597	416	409
28	76	80	84	83	81	99	141	753	1040	596	430	403
29	76	78	84	83	---	98	141	659	1010	597	441	403
30	78	80	84	83	---	97	144	655	857	588	462	389
31	78	---	84	83	---	98	---	651	---	603	469	---
TOTAL	2692	2370	2676	2567	2316	3086	3098	10014	22943	20363	14738	11830
MEAN	86.8	79.0	86.3	82.8	82.7	99.5	103	323	765	657	475	394
MAX	136	82	89	87	86	118	144	1170	1340	826	624	475
MIN	76	75	81	80	81	82	91	107	79	578	407	338
AC-FT	5340	4700	5310	5090	4590	6120	6140	19860	45510	40390	29230	23460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1995, BY WATER YEAR (WY)

MEAN	205	184	223	201	207	240	319	596	835	503	417	340
MAX	490	509	508	418	681	1146	1202	1200	1613	927	575	581
(WY)	1984	1983	1983	1984	1986	1986	1986	1984	1983	1965	1986	1986
MIN	75.6	.80	67.0	57.3	53.1	42.8	75.5	199	304	178	120	75.6
(WY)	1962	1963	1993	1989	1981	1961	1961	1977	1977	1961	1961	1961

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1954 - 1995	
ANNUAL TOTAL	80271		98693			
ANNUAL MEAN	220		270		356	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	610	May 18	1340	Jun 22	2240	Jun 2 1983
LOWEST DAILY MEAN	74	Feb 14	75	Nov 10	.00	Feb 2 1957
ANNUAL SEVEN-DAY MINIMUM	77	Jan 26	77	Oct 27	.40	Dec 1 1962
ANNUAL RUNOFF (AC-FT)	159200		195800		258100	
10 PERCENT EXCEEDS	524		648		601	
50 PERCENT EXCEEDS	100		99		302	
90 PERCENT EXCEEDS	78		80		89	

10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE$^1/_4$NW$^1/_4$SE$^1/_4$ sec. 3, T. 7 S., R. 2 E., Utah County, Hydrologic Unit 16020203, on left bank 1,300 ft downstream from bridge on State Highway 114, 2.1 mi west of Provo, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--673 mi^2.

PERIOD OF RECORD.--May 1903 to June 1905, May 1933 to September 1934, January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "at San Pedro, Los Angeles and Salt Lake Railroad bridge, near Provo" 1903-04, and as "at Rio Grande Western Railroad bridge, near Provo" 1905.

REVISED RECORDS.--WSP 1564: 1904, 1934. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,510 ft above sea level, from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mi upstream at different datums. May 1933 to September 1934, non-recording gage at present site at different datum. January 1937 to November 1938, water-stage recorder at site 1,000 ft upstream at different datum. November 1938 to August 1957, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records good. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow affected by Weber-Provo diversion canal and Duchesne Tunnel, a transmountain diversion. Certain diversions for industrial use which reach Provo Bay, an arm of Utah Lake, are made above station; however, part of this flow is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,520 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, 1,200 ft$^3/_s$ May 26, 27, gage height, 6.49 ft; minimum daily discharge, 12 ft$^3/_s$ Sept. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	58	62	70	94	129	153	127	555	321	50	19
2	75	61	64	67	96	135	140	190	583	320	49	12
3	99	59	67	66	93	136	136	189	545	422	35	13
4	92	60	96	69	91	143	130	176	547	485	31	25
5	121	65	88	75	94	140	136	172	315	464	38	28
6	123	65	83	80	90	137	137	173	151	315	33	36
7	118	62	93	75	91	134	140	167	99	158	31	45
8	97	60	87	69	93	133	142	150	97	123	28	40
9	94	58	82	74	91	133	127	125	80	144	29	91
10	91	55	80	72	82	139	122	118	347	150	24	87
11	83	56	82	87	91	174	133	117	478	126	30	88
12	81	66	82	80	89	203	129	183	490	140	35	85
13	77	67	83	78	88	175	122	183	488	213	33	79
14	66	59	82	88	95	166	128	175	547	226	31	75
15	92	54	80	104	95	162	122	171	784	165	36	77
16	73	62	76	105	99	162	116	165	1030	148	37	78
17	77	71	73	98	92	164	115	162	982	141	32	86
18	84	70	73	91	91	165	102	158	648	134	24	86
19	76	66	68	85	91	209	112	152	447	144	19	99
20	84	64	66	84	91	190	107	157	512	141	15	109
21	69	64	65	83	93	190	120	169	732	133	15	126
22	66	69	64	80	97	204	117	220	913	131	13	128
23	62	70	66	80	99	192	110	449	901	138	20	112
24	57	70	75	80	102	197	105	474	753	149	45	106
25	55	70	80	81	108	186	100	561	615	140	46	105
26	54	71	79	94	112	180	98	914	587	90	29	136
27	51	69	75	100	115	175	101	1110	521	62	22	151
28	47	67	70	94	119	176	100	775	524	58	19	158
29	49	63	72	91	---	182	105	637	524	52	18	158
30	50	63	71	89	---	156	123	610	425	34	16	174
31	54	---	72	87	---	171	---	580	---	35	13	---
TOTAL	2401	1914	2356	2576	2682	5138	3628	9709	16220	5502	896	2612
MEAN	77.5	63.8	76.0	83.1	95.8	166	121	313	541	177	28.9	87.1
MAX	123	71	96	105	119	209	153	1110	1030	485	50	174
MIN	47	54	62	66	82	129	98	117	80	34	13	12
AC-FT	4760	3800	4670	5110	5320	10190	7200	19260	32170	10910	1780	5180

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

MEAN	140	211	258	241	246	271	307	313	366	49.7	21.1	47.5
MAX	512	585	574	513	818	1257	1345	1396	1571	390	210	278
(WY)	1984	1983	1983	1984	1986	1986	1986	1952	1983	1965	1983	1986
MIN	10.9	25.6	39.4	24.7	35.5	40.9	24.3	2.22	2.33	.68	1.12	1.56
(WY)	1961	1963	1993	1989	1989	1961	1961	1961	1977	1946	1960	1960

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	21194.5		55634			
ANNUAL MEAN	58.1		152		205	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	178	May 18	1110	May 27	2420	May 6 1952
LOWEST DAILY MEAN	2.9	Aug 27	12	Sep 2	.10	Aug 25 1992
ANNUAL SEVEN-DAY MINIMUM	4.5	Aug 25	16	Aug 28	.46	Jul 24 1946
ANNUAL RUNOFF (AC-FT)	42040		110400		148700	
10 PERCENT EXCEEDS	97		377		415	
50 PERCENT EXCEEDS	63		94		142	
90 PERCENT EXCEEDS	14		43		6.0	

10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT

LOCATION.--Lat 40°26'52", long 111°40'53", in $SE^1/_4NW^1/_4NE^1/_4$ sec. 26, T. 4 S., R. 2 E., Utah County, Hydrologic Unit 16020201, on left bank 600 ft downstream from Rock Creek, 1,000 ft upstream from intake for upper power-plant of Utah Power & Light Co., 4.0 mi upstream from mouth of canyon, and 6.7 mi northeast of American Fork.

DRAINAGE AREA.--51.1 mi^2.

PERIOD OF RECORD.--January 1927 to current year. Monthly discharge only January 1927 to September 1945, published in WSP 1314.

REVISED RECORDS.--WSP 1634 Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above sea level, from topographic map. Prior to Sept. 8, 1965, at same site at different datum. Sept. 8, 1965 to Nov. 20, 1967, at site 300 ft upstream.

REMARKS.--Records fair. Flow regulated by Silver Lake Flat Reservoir (constructed 1971) and Tibble Reservoir; total capacity, 1,260 acre-ft.

COOPERATION.--Records collected by Utah Power & Light Co., under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--68 years, 55.6 $ft^3/_s$, 40,280 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred July 30, 1953, gage height, 9.20 ft, from floodmark; minimum, 1.1 $ft^3/_s$ Dec. 20, 1976 (result of freezeup).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 460 $ft^3/_s$ June 6, gage height 7.17 ft; minimum daily discharge, 2.9 $ft^3/_s$ Aug. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	17	13	17	21	24	71	298	209	4.3	12
2	17	21	17	14	17	20	25	82	326	167	2.9	12
3	19	20	17	14	17	20	26	79	377	145	3.2	8.7
4	20	17	19	15	17	20	29	81	387	126	3.2	8.3
5	21	19	18	16	16	19	39	90	382	112	3.8	8.5
6	21	20	17	16	16	18	49	99	412	131	3.8	8.3
7	19	19	18	16	16	15	51	92	402	127	3.8	8.9
8	19	19	14	16	16	16	58	96	339	131	4.3	9.5
9	18	18	14	17	16	17	58	101	281	115	4.7	9.8
10	18	18	14	16	16	21	53	117	246	105	5.0	11
11	18	18	15	16	15	38	50	138	229	102	5.3	12
12	18	20	16	15	15	37	49	156	216	93	5.9	13
13	18	19	18	16	15	28	54	142	238	69	5.5	13
14	20	15	17	16	15	26	59	140	332	57	4.7	14
15	24	15	17	17	19	27	56	140	356	50	4.3	15
16	20	20	17	16	12	28	54	160	392	44	4.5	16
17	20	19	17	15	14	31	52	165	301	41	4.8	17
18	21	19	17	14	15	34	51	177	208	39	4.6	18
19	19	18	17	14	15	43	50	204	174	36	4.6	19
20	19	18	17	14	15	39	49	236	154	33	4.1	20
21	20	19	17	14	16	41	47	280	171	31	4.8	21
22	20	17	17	13	16	39	46	306	191	25	5.6	22
23	21	17	16	13	17	38	44	255	195	18	7.1	23
24	21	19	16	13	19	34	45	304	195	16	7.2	24
25	21	20	16	14	20	30	47	235	190	13	7.4	24
26	21	20	16	15	22	28	48	302	166	13	6.9	24
27	21	19	16	15	21	27	50	256	174	12	7.0	25
28	21	20	16	14	21	26	57	207	194	10	9.3	26
29	21	18	16	13	---	24	61	185	231	9.2	11	28
30	20	18	16	13	---	24	69	178	229	8.4	10	29
31	20	---	12	16	---	24	---	204	---	6.3	11	---
TOTAL	614	559	507	459	466	853	1450	5278	7986	2093.9	174.6	500.0
MEAN	19.8	18.6	16.4	14.8	16.6	27.5	48.3	170	266	67.5	5.63	16.7
MAX	24	21	19	17	22	43	69	306	412	209	11	29
MIN	17	15	12	13	12	15	24	71	154	6.3	2.9	8.3
AC-FT	1220	1110	1010	910	924	1690	2880	10470	15840	4150	346	992

CAL YR 1994	TOTAL	14112	MEAN 38.7	MAX 221	MIN 12	AC-FT	27990	
WTR YR 1995	TOTAL	20940.5	MEAN 57.4	MAX 412	MIN 2.9	AC-FT	41540	

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION (REVISED).--Lat 40°24'19", long 112°05'59", in NW$^1/_4$NE$^1/_4$NE$^1/_4$ sec. 7, T. 5 S., R. 2 W., Utah County, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi^2.

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above sea level, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair. 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, 42 ft$^3/_s$ June 4, 5; gage height 2.84 ft; minimum daily discharge 0.16 ft$^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	e.77	e.37	e.28	e.25	.27	3.8	e9.4	34	21	4.9	2.3
2	.16	e.72	e.38	e.27	e.24	.32	3.6	e10	36	20	4.5	2.1
3	.17	e.72	e.36	e.26	e.24	.30	3.3	e11	37	22	4.5	1.8
4	.31	e.70	e.34	e.25	e.23	.38	3.2	e11	41	18	4.4	2.0
5	.68	e.72	e.35	e.24	e.22	.32	3.6	e12	39	15	4.2	2.1
6	.49	e.82	e.35	e.22	e.23	.31	4.2	e13	36	14	3.6	2.0
7	.46	e.90	e.38	e.21	e.24	.20	4.5	e13	29	15	3.4	1.9
8	.46	e.98	e.34	e.20	e.24	.28	4.7	e14	27	15	3.2	2.1
9	.48	1.1	e.27	e.23	e.24	.28	4.6	e15	25	14	3.2	2.1
10	.46	1.1	e.26	e.25	e.24	.40	4.3	e15	25	14	3.1	1.9
11	.46	e.91	e.27	e.26	.24	6.9	e3.3	e16	26	14	3.1	1.8
12	.46	e.90	e.28	e.27	.22	e5.0	e3.0	e16	29	13	3.1	2.1
13	.46	e.80	e.29	e.29	.23	e4.0	e2.9	e16	36	11	3.0	1.9
14	.51	e.70	e.29	e.33	e.23	e4.7	e3.2	e17	38	10	2.9	1.7
15	.57	e.60	e.29	e.30	e.20	e5.0	e3.0	e18	36	12	2.5	1.7
16	.52	e.56	e.31	e.27	e.20	e5.2	e2.9	e19	32	14	2.2	1.8
17	.54	e.52	e.32	e.25	e.21	e4.9	e2.8	e20	28	13	2.1	1.9
18	.58	e.50	e.33	e.25	e.22	e5.6	e3.2	e20	25	13	2.2	2.0
19	.55	e.48	e.34	e.25	e.24	e7.6	e3.2	e21	25	10	2.2	1.8
20	.55	e.47	e.34	e.24	.24	e5.0	e3.6	e22	27	9.6	2.1	1.9
21	.55	e.44	e.32	e.23	.24	e5.4	4.6	e24	27	9.4	5.1	2.1
22	.55	e.43	e.31	e.22	.23	e5.8	6.4	e26	25	9.7	8.5	2.2
23	.55	e.43	e.32	e.22	.24	e5.4	6.9	e28	22	9.4	6.9	2.3
24	.55	e.43	e.30	e.23	.23	e4.7	7.3	e31	22	8.3	3.2	2.2
25	.55	e.43	e.30	e.24	.24	e4.2	8.1	29	23	7.7	2.5	2.1
26	.58	e.43	e.30	e.25	.24	e3.8	e8.4	26	24	7.6	2.0	1.9
27	.64	e.38	e.29	e.24	.24	3.6	e8.4	32	25	6.9	1.8	2.2
28	.74	e.39	e.28	e.23	.26	3.4	e8.4	32	25	6.4	2.0	2.2
29	e.84	e.37	e.29	e.23	---	3.7	e8.6	37	23	6.0	1.7	2.7
30	e.82	e.36	e.30	e.23	---	3.7	e9.0	31	22	5.8	1.5	2.9
31	e.80	---	e.26	e.24	---	3.8	---	31	---	5.7	1.5	---
TOTAL	16.21	19.06	9.73	7.68	6.52	104.46	147.0	635.4	869	370.5	101.1	61.7
MEAN	.52	.64	.31	.25	.23	3.37	4.90	20.5	29.0	12.0	3.26	2.06
MAX	.84	1.1	.38	.33	.26	7.6	9.0	37	41	22	8.5	2.9
MIN	.16	.36	.26	.20	.20	.20	2.8	9.4	22	5.7	1.5	1.7
AC-FT	32	38	19	15	13	207	292	1260	1720	735	201	122

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

MEAN	1.17	.96	.65	.53	.49	.98	4.32	13.9	12.0	5.07	2.54	1.52
MAX	3.67	3.00	1.48	1.40	1.56	3.37	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	1987	1987	1974	1987	1987	1995	1969	1973	1995	1975	1975	1975
MIN	.17	.17	.10	.062	.057	.11	.11	3.05	1.63	.66	.26	.21
(WY)	1993	1991	1993	1991	1991	1990	1991	1990	1992	1992	1992	1989

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1966 - 1995	
ANNUAL TOTAL	525.19		2348.36			
ANNUAL MEAN	1.44		6.43		3.69	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					.89	1992
HIGHEST DAILY MEAN	10	May 12	41	Jun 4	85	May 20 1973
LOWEST DAILY MEAN	.16	Oct 2	.16	Oct 2	.03	Oct 2 1992
ANNUAL SEVEN-DAY MINIMUM	.28	Dec 9	.22	Feb 12	.05	Jan 17 1991
ANNUAL RUNOFF (AC-FT)	1040		4660		2670	
10 PERCENT EXCEEDS	3.9		23		11	
50 PERCENT EXCEEDS	.70		2.1		1.1	
90 PERCENT EXCEEDS	.36		.24		.20	

e Estimated

10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°37'26", long 111°45'05", in $NW^1/_4SE^1/_4SW^1/_4$ sec. 20, T. 2 S., R. 2 E., Salt Lake County, Hydrologic Unit 16120204 on left bank at Stairs plant, 14 mi southeast of Salt Lake City.

DRAINAGE AREA.--49.2 mi^2.

PERIOD OF RECORD.--January 1925 to current year. Prior to 1986, not published, records available from Utah Power & Light Co.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above sea level, from topographic map.

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

AVERAGE DISCHARGE.--10 years, 25.1 $ft^3/_s$, 18,180 acre-ft/yr.

COOPERATION.--Records collected by Utah Power & Light Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 $ft^3/_s$ July 1, 1954; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	.00	23	14	23	19	35	49	30	49	50	49
2	11	7.5	23	16	26	17	35	47	51	42	48	49
3	6.8	19	23	9.0	25	15	36	49	45	35	43	49
4	18	20	24	.66	24	15	39	48	34	49	46	49
5	19	21	23	.66	23	14	44	48	50	49	51	49
6	20	21	23	.66	19	12	50	49	52	49	51	49
7	26	17	23	.65	23	10	52	48	51	47	48	49
8	24	21	22	.65	22	12	52	48	46	32	39	47
9	23	21	19	.65	21	12	52	48	44	47	49	48
10	22	21	20	.65	21	16	51	48	49	41	49	48
11	20	20	21	.65	20	26	50	47	49	48	49	47
12	19	21	19	.65	19	28	48	47	49	51	48	47
13	20	22	19	.65	19	34	50	47	48	51	39	47
14	18	21	17	.64	17	32	51	48	47	52	48	47
15	18	21	18	.64	15	35	51	48	47	51	48	47
16	16	21	18	.64	17	37	50	48	49	51	48	46
17	20	23	18	.64	16	39	51	49	40	51	48	44
18	22	22	18	.64	16	41	50	49	15	51	47	46
19	22	22	19	.64	16	34	49	49	50	50	46	39
20	19	21	18	.64	16	43	48	45	50	48	46	35
21	19	23	17	.64	17	31	44	35	49	51	46	30
22	17	20	18	.63	18	41	41	50	50	49	46	32
23	15	20	19	.63	18	46	40	51	50	47	47	32
24	19	20	19	.63	20	46	36	51	50	46	48	32
25	17	22	19	.63	21	49	38	50	50	47	48	30
26	18	22	19	.65	22	47	43	49	51	49	48	32
27	20	22	19	7.6	22	42	38	50	50	49	48	31
28	18	22	19	17	21	38	44	49	48	49	48	30
29	15	22	19	16	---	37	48	49	50	49	47	31
30	15	23	18	16	---	35	48	50	49	48	49	31
31	8.3	---	16	19	---	35	---	50	---	51	49	---
TOTAL	563.1	598.50	610	129.42	557	938	1364	1493	1393	1479	1465	1242
MEAN	18.2	19.9	19.7	4.17	19.9	30.3	45.5	48.2	46.4	47.7	47.3	41.4
MAX	26	23	24	19	26	49	52	51	52	52	51	49
MIN	6.8	.00	16	.63	15	10	35	35	15	32	39	30
AC-FT	1120	1190	1210	257	1100	1860	2710	2960	2760	2930	2910	2460

CAL YR 1994	TOTAL	10038.60	MEAN 27.5	MAX 58	MIN .00	AC-FT	19910	
WTR YR 1995	TOTAL	11832.02	MEAN 32.4	MAX 52	MIN .00	AC-FT	23470	

10170500 SURPLUS CANAL AT SALT LAKE CITY, UT

LOCATION.--Lat 40°43'37", long 111°55'33", in $SE^1/_4SW^1/_4SW^1/_4$ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, near right bank on upstream side of diversion dam at head of canal, and 250 ft downstream from highway bridge over Jordan River on 2100 South Street.

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

GAGE.--Water-stage recorder. Datum of gage is 4,223.93 ft above sea level. Prior to Oct. 22, 1952, at site 350 ft downstream, and Oct. 22, 1952 to Sept. 30, 1966, at site 400 ft downstream at different datum, Sept. 30, 1966 to Oct. 1, 1989 at datum 10.0 ft lower.

REMARKS.--Records fair except for estimated days which are poor . Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area (see station 10170490 for records of combined flow of Jordan River and Surplus Canal). Several diversions for irrigation and waterfowl ponds below station.

AVERAGE DISCHARGE.--52 years, 370 $ft^3/_s$, 268,300 acre-ft/year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,410 $ft^3/_s$ June 1, 1984, gage height, 8.91 ft, datum then in use. No flow Jan. 21 to Feb. 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,490 $ft^3/_s$ June 4, gage height, 15.00 ft; maximum gage height, 16.10 ft June 6, (backwater from debris on control); minimum daily discharge, 121 $ft^3/_s$ Jan. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	135	161	123	186	e240	284	337	805	1480	608	241
2	266	173	157	130	182	e370	291	725	1800	1400	617	293
3	332	159	158	127	217	e250	281	493	1970	1710	597	272
4	304	145	178	121	248	e400	239	396	2230	1610	477	270
5	615	154	152	126	163	e270	245	395	1980	1440	467	318
6	319	155	139	132	173	e250	278	423	e2300	1380	422	300
7	208	152	175	126	176	e240	279	389	1940	1480	407	314
8	172	171	146	123	204	e300	304	344	1910	1500	352	280
9	164	156	134	123	200	e380	388	313	1820	1500	266	281
10	160	151	132	122	179	e265	326	340	1640	1620	316	284
11	156	153	131	149	233	292	317	693	1460	1650	344	283
12	155	304	126	145	244	496	303	1110	1530	1680	331	303
13	163	261	146	147	206	334	298	543	1900	1660	353	269
14	172	210	145	145	206	283	544	454	2120	1310	325	238
15	566	187	133	273	217	251	496	406	2240	1100	311	242
16	265	211	130	233	211	257	479	416	2160	1070	297	239
17	295	221	133	197	221	267	456	441	1870	1010	282	250
18	263	209	141	169	231	320	409	452	1700	989	295	289
19	217	196	142	157	219	576	608	452	1610	1090	247	269
20	184	190	135	154	218	365	471	500	1560	1050	245	254
21	161	187	133	152	213	289	415	631	1570	978	293	252
22	148	180	133	148	254	366	422	714	1550	998	333	264
23	145	174	136	144	305	299	363	932	1430	986	266	277
24	145	175	143	148	273	500	341	823	1430	900	319	282
25	137	179	147	155	189	367	351	926	1500	850	301	276
26	135	219	148	185	189	341	368	1140	1540	814	277	274
27	132	205	146	251	e200	318	301	887	1520	752	268	265
28	131	190	142	193	e220	301	229	727	1560	710	239	256
29	138	182	138	181	---	299	263	684	1550	687	212	459
30	138	174	136	176	---	299	398	669	1430	679	224	440
31	140	---	135	176	---	285	---	673	---	594	230	---
TOTAL	6826	5558	4431	4931	5977	10070	10747	18428	51625	36677	10521	8534
MEAN	220	185	143	159	213	325	358	594	1721	1183	339	284
MAX	615	304	178	273	305	576	608	1140	2300	1710	617	459
MIN	131	135	126	121	163	240	229	313	805	594	212	238
AC-FT	13540	11020	8790	9780	11860	19970	21320	36550	102400	72750	20870	16930

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

MEAN	278	273	291	302	358	393	460	573	622	346	270	282
MAX	1473	1616	1740	1806	1804	1882	2749	3041	3299	2158	1651	1364
(WY)	1984	1984	1984	1984	1984	1984	1986	1986	1984	1983	1983	1986
MIN	66.1	68.8	49.7	30.8	.000	55.9	44.8	74.7	44.4	69.6	50.6	77.7
(WY)	1962	1944	1944	1956	1963	1945	1961	1961	1961	1961	1961	1961

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	76299		174325			
ANNUAL MEAN	209		478		370	
HIGHEST ANNUAL MEAN					1968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	1230	May 13	2300	Jun 6	4250	Jun 1 1984
LOWEST DAILY MEAN	102	Jan 11	121	Jan 4	.00	Jan 21 1963
ANNUAL SEVEN-DAY MINIMUM	114	Jan6	125	Jan 4	.00	Jan 21 1963
ANNUAL RUNOFF (AC-FT)	151300		345800		268300	
10 PERCENT EXCEEDS	317		1450		867	
50 PERCENT EXCEEDS	177		278		192	
90 PERCENT EXCEEDS	130		143		79	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT

LOCATION.--Lat 40°44'01", long 111°55'21", in $SW^1/_4SE^1/_4NW^1/_4$ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at 1700 South Street and about 1000 West, Salt Lake City, 4,000 ft downstream from diversion structure at head of Surplus Canal, and 1.7 mi downstream from Mill Creek.

DRAINAGE AREA.--3,438 mi^2 includes 255 mi2 closed basin in Cedar Valley.

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

REVISED RECORDS.--WDR UT-88-1: 1987 (combined flow).

GAGE.--Water-stage recorder. Datum of gage is 4,220.08 ft above sea level. Prior to July 1, 1976 at site 3,200 ft upstream at same datum.

REMARKS.--Records fair except for estimated days, which are poor. Flow completely regulated since reconstruction in May 1952 of Surplus Canal diversion dam 4,000 ft upstream. Flow affected by regulation at Utah Lake, Deer Creek Reservoir, other storage and regulation, and importation of water from other basins. Many diversions above station for irrigation, industrial, and municipal water supplies. For records of Surplus Canal see station 10170500. For records of combined flow, see following page.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 449 $ft^3/_s$ Aug. 20, 1986, gage height, 4.41 ft; maximum gage height, 5.75 ft June 26, 1952; no flow May 10, 24, 1952. May 21, 22, 1962, Sept. 21, 1963, May 14 to June 1, 1964, and Sept. 6, 7, 1965 entire flow diverted to Surplus Canal.

Maximum daily combined discharge (Jordan River and Surplus Canal), 4,510 $ft^3/_s$ June 1, 1984; minimum daily, 89 $ft^3/_s$ June 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 162 $ft^3/_s$ Mar. 2, gage height, 2.37 ft; maximum gage height, 3.80 ft, Sept. 29; minimum daily discharge, 2.3 $ft^3/_s$ June 19.

Maximum daily combined discharge during year (Jordan River and Surplus Canal), 2,380 $ft^3/_s$ June 6; minimum daily discharge, 239 $ft^3/_s$ Dec. 6, Jan. 4, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	118	e102	119	116	148	84	115	e98	131	79	137
2	119	123	e101	119	115	153	84	e78	e35	124	49	e142
3	125	118	e101	119	73	149	92	83	70	e126	46	140
4	128	115	e108	118	42	e159	104	112	79	e129	137	139
5	e123	115	e100	119	127	149	103	113	e67	131	137	148
6	e141	115	e100	121	127	144	105	113	e84	137	134	134
7	127	113	e103	119	127	144	106	112	e72	138	133	113
8	122	116	e123	118	e130	77	108	109	e42	137	126	149
9	121	113	e121	118	130	51	e108	109	e6.9	136	113	149
10	121	112	e121	117	126	142	107	110	5.8	140	120	150
11	120	112	e120	121	e131	e138	102	e89	6.1	140	123	151
12	120	e120	e119	119	e130	e97	107	e11	8.5	140	119	131
13	120	e110	e123	119	e126	119	106	e89	18	137	119	126
14	123	110	e123	118	125	128	e60	e128	14	122	116	143
15	e130	105	e121	e126	123	123	32	e124	9.9	114	116	144
16	129	e105	e121	e125	120	122	27	e125	11	112	116	143
17	e129	e104	e121	e121	121	122	26	127	5.3	113	113	144
18	127	e104	e122	120	121	75	38	125	3.5	116	111	147
19	122	105	e122	118	117	12	e34	120	2.3	117	106	148
20	121	105	e121	117	117	85	52	117	2.9	116	105	149
21	124	104	e121	117	116	e129	45	121	4.1	113	e110	148
22	123	102	e121	115	66	e141	32	127	4.0	114	e113	150
23	122	102	e122	115	3.8	e132	68	e89	70	111	111	151
24	122	103	e124	114	41	113	69	e92	136	106	115	151
25	121	106	e125	117	127	96	71	e124	137	103	115	151
26	121	110	e125	e121	127	91	70	e49	137	101	115	151
27	120	108	e124	e125	135	88	95	e127	138	97	116	149
28	119	106	e123	119	147	87	127	121	139	95	128	147
29	118	105	e122	117	---	86	118	116	138	94	137	e144
30	118	e101	e121	117	---	86	e77	116	135	88	138	e143
31	120	---	120	116	---	84	---	117	---	80	137	---
TOTAL	3817	3285	3641	3684	3106.8	3470	2357	3308	1679.3	3658	3553	4312
MEAN	123	109	117	119	111	112	78.6	107	56.0	118	115	144
MAX	141	123	125	126	147	159	127	128	139	140	138	151
MIN	118	101	100	114	3.8	12	26	11	2.3	80	46	113
AC-FT	7570	6520	7220	7310	6160	6880	4680	6560	3330	7260	7050	8550

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

MEAN	161	147	145	147	150	137	119	112	143	157	154	163
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	66.6	58.3	31.3	25.5	56.0	68.3	68.3	63.5
(WY)	1964	1964	1993	1993	1993	1962	1986	1964	1995	1961	1963	1963

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	46104		39871.1			
ANNUAL MEAN	126		109		145	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	206	Jan 5	159	Mar 4	337	Jun 25 1952
LOWEST DAILY MEAN	39	May 15	2.3	Jun 19	.00	May 10 1952
ANNUAL SEVEN-DAY MINIMUM	85	May 14	4.7	Jun 16	.00	May 14 1964
ANNUAL RUNOFF (AC-FT)	91450		79080		104800	
10 PERCENT EXCEEDS	149		140		198	
50 PERCENT EXCEEDS	125		118		144	
90 PERCENT EXCEEDS	102		68		92	

e Estimated

10170490 JORDAN RIVER AT SALT LAKE CITY, UT

Combined discharge, in cubic feet per second, of Jordan River and Surplus Canal

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	421	253	263	242	302	388	368	452	903	1610	687	378
2	385	296	258	249	297	523	375	803	1830	1520	666	435
3	457	277	259	246	290	399	373	576	2040	1840	643	412
4	432	260	286	239	290	559	343	508	2310	1740	614	409
5	738	269	252	245	290	419	348	508	2050	1570	604	466
6	460	270	239	253	300	394	383	536	2380	1520	556	434
7	335	265	278	245	303	384	385	501	2010	1620	540	427
8	294	287	269	241	334	377	412	453	1950	1640	478	429
9	285	269	255	241	330	431	496	422	1830	1640	379	430
10	281	263	253	239	305	407	433	450	1650	1760	436	434
11	276	265	251	270	364	430	419	782	1470	1790	467	434
12	275	424	245	264	374	593	410	1120	1540	1820	450	434
13	283	371	269	266	332	453	404	632	1920	1800	472	395
14	295	320	268	263	331	411	604	582	2130	1430	441	381
15	696	292	254	399	340	374	528	530	2250	1210	427	386
16	394	316	251	358	331	379	506	541	2170	1180	413	382
17	424	325	254	318	342	389	482	568	1880	1120	395	394
18	390	313	263	289	352	395	447	577	1700	1100	406	436
19	339	301	264	275	336	588	642	572	1610	1210	353	417
20	305	295	256	271	335	450	523	617	1560	1170	350	403
21	285	291	254	269	329	418	460	752	1570	1090	403	400
22	271	282	254	263	320	507	454	841	1550	1110	446	414
23	267	276	258	259	309	431	431	1020	1500	1100	377	428
24	267	278	267	262	314	613	410	915	1570	1010	434	433
25	258	285	272	272	316	463	422	1050	1640	953	416	427
26	256	329	273	306	316	432	438	1190	1680	915	392	425
27	252	313	270	376	335	406	396	1010	1660	849	384	414
28	250	296	265	312	367	388	356	848	1700	805	367	403
29	256	287	260	298	---	385	381	800	1690	781	349	603
30	256	275	257	293	---	385	475	785	1560	767	362	583
31	260	---	255	292	---	369	---	790	---	674	367	---
TOTAL	10643	8843	8072	8615	9084	13540	13104	21731	53303	40344	14074	12846
MEAN	343	295	260	278	324	437	437	701	1777	1301	454	428
MAX	738	424	286	399	374	613	642	1190	2380	1840	687	603
MIN	250	253	239	239	290	369	343	422	903	674	349	378
AC-FT	21110	17540	16010	17090	18020	26860	25990	43100	105700	80020	27920	25480

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT
(Hydrologic bench mark station)

LOCATION.--Lat 40°46'48", long 111°48'19", in $NE^1/_4SE^1/_4NW^1/_4$ sec. 35, T. 1 N., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 0.4 mi upstream from dam forming Red Butte Reservoir, and 1.7 mi north- east of Fort Douglas.

DRAINAGE AREA.--7.25 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year. Figures of monthly discharge for January 1942 to September 1963, collected by Corps of Engineers, U.S. Army, available in files of Salt Lake City District Office, Geological Survey.

GAGE.--Water-stage recorder. Elevation of gage is 5,400 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 105 $ft^3/_s$ May 28, 1983, maximum gage height, 3.81 ft May 17, 1984; minimum, 0.17 $ft^3/_s$ Nov. 20, 1992, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
Mar. 21	2045	13	1.40	June 9	1515	20	1.88
May 11	1630	*21	*1.96				

Minimum daily discharge, 1.0 $ft^3/_s$, Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.3	e1.5	e1.5	2.5	4.9	9.0	14	15	10	4.7	2.9
2	1.0	1.4	e1.5	1.5	3.2	4.8	9.0	16	16	9.8	4.6	2.9
3	1.2	1.4	1.5	1.5	3.3	4.7	9.0	16	16	9.8	4.5	2.8
4	1.2	1.3	1.9	1.7	3.2	4.8	9.2	16	16	9.2	4.4	2.7
5	1.6	1.4	1.7	1.7	3.2	4.6	9.6	16	15	8.8	4.4	2.7
6	1.7	1.5	1.7	1.7	3.2	4.4	10	16	16	8.5	4.3	2.7
7	1.3	1.5	1.6	1.6	3.2	4.2	10	16	15	8.2	4.2	2.6
8	1.3	1.5	e1.6	1.6	3.1	4.2	11	15	16	8.0	4.1	2.6
9	1.2	1.5	e1.5	1.7	3.0	4.2	11	15	17	7.8	4.0	2.6
10	1.2	1.5	1.4	1.7	3.0	4.5	10	15	18	7.6	4.0	2.5
11	1.2	1.5	1.6	1.9	3.0	6.2	10	17	18	7.5	4.0	2.5
12	1.2	1.7	1.5	1.8	2.9	7.9	9.9	18	17	7.4	3.9	2.5
13	1.2	e1.6	1.6	1.8	2.9	7.6	9.9	19	17	7.2	3.8	2.4
14	1.3	e1.5	1.5	2.0	e2.6	7.6	11	20	17	7.1	3.8	2.4
15	1.4	e1.5	1.5	2.4	e2.4	8.1	10	19	16	6.9	3.7	2.4
16	1.4	e1.4	1.5	2.2	2.7	8.8	10	20	15	6.7	3.6	2.3
17	1.5	e1.4	1.5	2.1	2.8	8.6	10	20	15	6.4	3.5	2.4
18	1.6	e1.4	1.5	2.0	3.1	8.7	9.9	19	14	6.3	3.5	2.5
19	1.5	e1.4	1.6	2.0	3.3	12	10	18	14	6.2	3.4	2.4
20	1.4	e1.4	e1.5	e1.8	3.4	11	10	18	13	6.0	3.4	2.4
21	1.4	e1.3	e1.4	e1.6	3.5	12	10	17	13	6.0	3.4	2.4
22	1.4	e1.3	e1.5	e1.6	3.7	12	10	17	12	5.9	3.4	2.4
23	1.4	e1.3	1.6	e1.7	3.9	12	10	18	12	5.8	3.3	2.4
24	1.4	e1.4	1.6	1.8	4.0	11	10	17	12	5.6	3.3	2.4
25	1.4	e1.5	1.7	1.9	4.3	11	11	17	11	5.5	3.1	2.4
26	1.3	e1.4	1.7	2.1	4.6	10	11	17	11	5.4	3.0	2.4
27	1.3	e1.3	1.7	2.1	4.9	9.8	11	17	11	5.2	3.0	2.4
28	1.3	e1.4	1.7	1.9	5.0	9.5	12	16	10	5.1	2.9	2.3
29	1.3	e1.4	1.7	e1.8	---	9.3	12	16	10	5.0	2.9	3.0
30	1.3	e1.4	1.7	1.9	---	9.2	14	15	9.8	4.9	2.9	2.7
31	1.3	---	e1.6	2.1	---	9.0	---	15	---	4.7	2.8	---
TOTAL	41.3	42.8	49.1	56.7	93.9	246.6	309.5	525	427.8	214.5	113.8	76.0
MEAN	1.33	1.43	1.58	1.83	3.35	7.95	10.3	16.9	14.3	6.92	3.67	2.53
MAX	1.7	1.7	1.9	2.4	5.0	12	14	20	18	10	4.7	3.0
MIN	1.0	1.3	1.4	1.5	2.4	4.2	9.0	14	9.8	4.7	2.8	2.3
AC-FT	82	85	97	112	186	489	614	1040	849	425	226	151

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	1.93	1.99	1.91	1.94	2.38	4.50	9.10	13.2	6.95	3.38	2.18	1.85
MAX	3.86	3.53	3.37	3.46	7.00	12.8	22.2	50.5	29.7	9.22	5.77	4.10
(WY)	1984	1984	1984	1971	1986	1983	1986	1983	1983	1983	1983	1983
MIN	.68	.93	.91	.83	1.00	1.06	1.79	1.55	.95	.60	.44	.47
(WY)	1991	1991	1964	1964	1964	1964	1990	1990	1992	1990	1990	1990

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	870.18		2197.0			
ANNUAL MEAN	2.38		6.02		4.28	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	10	Apr 20	20	May 14	95	May 28 1983
LOWEST DAILY MEAN	.70	Sep 12	1.0	Oct 2	.38	Aug 9 1990
ANNUAL SEVEN-DAY MINIMUM	.73	Sep 8	1.2	Oct 7	.39	Sep 10 1990
ANNUAL RUNOFF (AC-FT)	1730		4360		3100	
10 PERCENT EXCEEDS	5.2		16		9.8	
50 PERCENT EXCEEDS	1.5		3.4		2.4	
90 PERCENT EXCEEDS	.86		1.4		1.1	

e Estimated

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1964 to current year.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April 1964 to September 1978.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	TEMPER-ATURE AIR (DEG C)	TEMPER-ATURE WATER (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	BARO-METRIC PRES-SURE (MM OF HG)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 25...	1100	1.5	700	8.4	2.0	2.0	0.20	12.0	619	K1
FEB 08...	1230	3.1	620	8.4	8.5	4.5	3.1	10.6	620	K1
MAR 29...	1050	9.2	540	8.4	1.0	3.5	4.3	10.9	623	K2
MAY 10...	1200	14	520	8.4	13.0	7.5	6.7	9.8	624	K4
JUL 26...	1205	5.4	570	8.4	25.5	11.0	1.8	9.3	626	76
SEP 06...	1320	2.7	600	8.3	20.0	12.0	0.20	9.0	629	15

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3
NOV 25...	7	350	97	27	12	7	0.3	1.0	3	296
FEB 08...	K6	320	91	22	12	8	0.3	0.80	3	255
MAR 29...	K1	270	75	19	10	8	0.3	0.70	1	249
MAY 10...	K5	250	72	18	9.7	8	0.3	0.70	4	235
JUL 26...	140	280	75	23	12	8	0.3	0.80	6	287
SEP 06...	160	300	78	26	13	9	0.3	0.80	0	262

DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)
NOV 25...	248	120	13	0.10	10	440	429	0.60	1.84	<0.010
FEB 08...	214	110	12	0.10	10	418	387	0.57	3.51	<0.010
MAR 29...	214	61	9.5	0.10	11	330	310	0.45	8.20	<0.010
MAY 10...	200	46	9.6	0.10	10	311	286	0.42	11.9	<0.010
JUL 26...	245	65	12	0.10	11	337	347	0.46	4.92	<0.010
SEP 06...	215	80	12	0.10	11	350	350	0.48	2.56	<0.010

K Results based on colony count outside acceptable range (non-ideal colony count).

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

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

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4)
NOV 25...	<0.050	<0.015	--	<0.20	--	0.030	0.020	0.020	0.06
FEB 08...	<0.050	<0.015	--	<0.20	--	0.030	0.040	0.020	0.06
MAR 29...	<0.050	<0.015	--	<0.20	--	0.030	0.020	0.030	0.09
MAY 10...	<0.050	<0.015	0.20	0.20	0.20	0.060	0.030	0.030	0.09
JUL 26...	<0.050	<0.015	--	<0.20	--	<0.010	0.020	0.020	0.06
SEP 06...	<0.050	<0.015	--	<0.20	--	0.020	0.020	0.020	0.06

DATE	TIME	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	BARIUM, DIS-SOLVED (UG/L AS BA)	COBALT, DIS-SOLVED (UG/L AS CO)	IRON, DIS-SOLVED (UG/L AS FE)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
NOV 25...	1100	<10	54	<3	<3	16	2
FEB 08...	1230	10	52	<3	7	5	3
MAY 10...	1200	20	48	<3	3	4	2
JUL 26...	1205	<10	52	<3	<3	6	4

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
NOV 25...	<10	<1	<1	<1.0	500	<6
FEB 08...	<10	<1	<1	<1.0	520	<6
MAY 10...	<10	<1	1	<1.0	300	<6
JUL 26...	<10	<1	<1	<1.0	360	<6

DATE	TIME	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)	URANIUM NATURAL 2 SIGMA WATER, DISS, (UG/L)	RA-226 2 SIGMA WATER, DISS, (PCI/L)
MAR 29...	1050	--	1.2	0.0	--
SEP 06...	1320	0.13	1.0	0.0	0.030

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM % FINER THAN .062 MM	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV						
25...	1100	1.5	2.0	145	74	0.61
FEB						
08...	1230	3.1	4.5	158	70	1.3
MAR						
29...	1050	9.2	8.5	110	75	2.7
MAY						
10...	1200	14	7.5	118	60	4.5
10...	1201	14	7.5	108	66	4.1
10...	1202	14	7.5	124	62	4.7
10...	1203	14	7.5	117	69	4.4
JUL						
26...	1205	5.4	11.0	139	97	2.0
SEP						
06...	1320	2.7	12.0	99	97	0.72
06...	1321	2.7	12.0	219	93	1.6
06...	1322	2.7	12.0	159	95	1.2

RAINFALL ACCUMULATED (INCHES), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	---	---	---	---	---	---	.09	.33	.60	.00	.20
2	.18	---	---	---	---	---	---	.99	.46	.06	.00	.14
3	---	---	---	---	---	---	---	.03	.13	.26	.00	.01
4	---	---	---	---	---	---	---	.02	.06	.00	.00	.08
5	---	---	---	---	---	---	---	.07	.48	.00	.00	.03
6	---	---	---	---	---	---	---	.01	.21	.00	.01	.01
7	---	---	---	---	---	---	---	.00	.17	.00	.00	.00
8	---	---	---	---	---	---	---	.00	.45	.01	.00	.00
9	---	---	---	---	---	---	---	.00	.35	.02	.00	.01
10	---	---	---	---	---	---	---	.01	.00	.00	.17	.00
11	---	---	---	---	---	---	---	1.13	.00	.02	.00	.00
12	---	---	---	---	---	---	---	1.13	.00	.09	.00	.01
13	---	---	---	---	---	---	---	.07	.00	.00	.00	.00
14	---	---	---	---	---	---	---	.06	.00	.00	.02	.00
15	---	---	---	---	---	---	---	.00	.01	.00	.00	.00
16	---	---	---	---	---	---	---	.40	.00	.00	.00	.00
17	---	---	---	---	---	---	---	.00	.35	.00	.00	.25
18	---	---	---	---	---	---	---	.00	.01	.01	.02	.03
19	---	---	---	---	---	---	.68	.00	.00	.00	.00	.01
20	---	---	---	---	---	---	.13	.19	.03	.00	.00	.02
21	---	---	---	---	---	---	.06	.00	.00	.02	.08	.02
22	---	---	---	---	---	---	.04	.08	.00	.27	.00	.00
23	---	---	---	---	---	---	.01	1.43	.00	.00	.01	.00
24	---	---	---	---	---	---	.01	.02	.00	.00	.02	.00
25	---	---	---	---	---	---	.37	.32	.00	.00	.00	.00
26	---	---	---	---	---	---	.01	.57	.00	.00	.00	.00
27	---	---	---	---	---	---	.01	.03	.00	.02	.00	.00
28	---	---	---	---	---	---	.02	.04	.02	.00	.00	.00
29	---	---	---	---	---	---	.10	.00	.02	.00	.00	1.16
30	---	---	---	---	---	---	.39	.00	.00	.00	.00	.01
31	---	---	---	---	---	---	---	.00	---	.03	.00	---
TOTAL	---	---	---	---	---	---	---	6.69	3.08	1.41	0.33	1.99

10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 2, T. 10 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA.--25.0 mi^2.

PERIOD OF RECORD.--June 1958 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above sea level, from AMS topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 ft$^3/_s$ Aug. 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum, 0.41 ft$^3/_s$ Nov. 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft3/s and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge ft$^3/_s$)	Gage height (ft)
May 12	--	*12.1	1.23	Jan. 2	1000	(ice jam)	*1.83

Minimum daily discharge, 1.4 ft$^3/_s$ several days during October.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.7	2.0	e1.8	1.9	2.2	e2.2	4.9	6.7	4.4	3.6	3.3
2	1.6	1.7	2.0	e1.7	2.0	2.2	e2.0	6.8	7.0	4.3	3.6	3.5
3	1.8	1.7	2.0	e1.7	2.0	2.2	e2.1	6.6	6.9	4.4	3.5	3.5
4	1.8	1.7	2.0	1.8	2.0	2.3	e2.3	6.7	6.6	4.3	3.5	3.6
5	1.7	1.7	2.0	1.8	2.0	2.2	e2.5	6.7	6.4	4.3	3.4	3.7
6	1.5	1.8	2.0	1.7	2.0	2.2	e2.4	7.3	6.7	4.3	3.4	3.6
7	1.5	1.8	e1.9	1.8	2.0	2.0	e2.6	7.0	6.3	4.3	3.6	3.6
8	1.4	1.8	e1.6	1.8	2.0	2.1	e2.9	6.6	6.3	4.3	3.6	3.5
9	1.4	1.7	e1.7	1.9	2.0	2.0	e3.4	6.4	6.0	4.3	3.5	3.6
10	1.4	1.7	e1.6	1.9	2.0	2.2	e3.1	6.7	5.9	4.3	3.4	3.5
11	1.4	1.7	1.8	e1.8	2.0	5.0	e2.9	7.2	5.7	4.2	3.4	3.4
12	1.4	2.1	1.9	1.8	1.9	e2.7	e2.8	8.4	5.6	4.0	3.4	3.4
13	1.4	1.8	2.0	1.8	1.8	e2.4	e2.8	8.0	5.6	4.0	3.4	3.3
14	1.4	1.8	2.1	1.8	e1.7	e2.4	e3.1	7.7	5.5	4.0	3.4	3.3
15	1.8	1.7	1.8	2.0	e1.5	e2.4	e3.6	7.1	5.6	3.8	3.5	3.4
16	1.9	1.8	1.8	1.8	e1.7	e3.0	e3.4	7.4	5.6	3.5	3.4	3.4
17	1.9	1.8	1.8	1.8	1.8	e3.5	e3.4	7.4	5.6	3.5	3.4	3.5
18	1.9	1.8	1.8	1.8	1.9	e4.5	e3.7	7.7	5.5	3.5	3.4	3.5
19	1.8	1.9	1.8	1.8	1.9	e7.5	e3.8	7.6	5.5	3.5	3.4	3.5
20	1.7	e1.9	1.8	1.7	1.9	e3.5	e3.7	7.5	5.8	3.5	e3.4	3.5
21	1.7	1.8	1.8	1.7	1.9	e3.7	e3.9	7.8	7.1	3.6	e3.4	3.5
22	1.7	e1.8	1.8	e1.6	1.9	e4.0	e3.7	7.8	6.9	3.6	e3.4	3.5
23	1.7	e1.7	1.8	1.7	2.1	e3.5	e3.5	7.9	6.3	3.6	3.5	3.7
24	1.6	1.9	2.0	1.8	2.2	e3.7	e3.3	8.0	6.4	3.5	3.6	3.7
25	1.6	2.0	2.1	1.9	2.2	e3.5	e3.2	7.8	6.5	3.6	3.4	3.7
26	1.6	2.0	1.9	2.0	2.2	e3.3	e3.3	8.2	6.4	3.5	3.4	3.7
27	1.6	e1.8	1.8	2.0	2.2	e3.1	e3.5	7.5	6.4	3.5	3.3	3.7
28	1.6	2.0	1.8	1.8	2.2	e2.8	3.7	6.9	6.4	3.5	3.3	3.6
29	1.7	e1.9	1.8	1.9	---	e2.6	3.9	6.8	6.4	3.5	3.3	3.5
30	1.7	1.9	1.8	1.8	---	e2.4	4.7	6.7	6.1	3.6	3.3	3.5
31	1.7	---	1.9	1.9	---	e2.3	---	6.7	---	3.6	3.3	---
TOTAL	50.4	54.4	57.9	56.1	54.9	93.4	95.4	223.8	185.7	119.8	106.4	105.7
MEAN	1.63	1.81	1.87	1.81	1.96	3.01	3.18	7.22	6.19	3.86	3.43	3.52
MAX	1.9	2.1	2.1	2.0	2.2	7.5	4.7	8.4	7.1	4.4	3.6	3.7
MIN	1.4	1.7	1.6	1.6	1.5	2.0	2.0	4.9	5.5	3.5	3.3	3.3
AC-FT	100	108	115	111	109	185	189	444	368	238	211	210

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

MEAN	3.06	2.98	2.88	2.86	2.95	3.38	5.65	6.78	4.22	3.34	3.07	3.03
MAX	9.08	8.89	7.93	7.92	7.65	9.30	21.6	40.0	19.3	12.3	10.1	9.61
(WY)	1984	1985	1985	1985	1985	1985	1983	1983	1983	1983	1983	1983
MIN	1.06	1.20	1.23	1.08	1.32	1.42	1.42	1.20	1.20	1.05	1.01	1.11
(WY)	1960	1960	1960	1961	1961	1961	1961	1961	1961	1961	1961	1959

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1959 - 1995	
ANNUAL TOTAL	717.1		1203.9			
ANNUAL MEAN	1.96		3.30		3.69	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	2.7	Mar 11	8.4	May 12	70	Apr 24 1983
LOWEST DAILY MEAN	1.3	Sep 8	1.4	Oct 8	.84	Dec 18 1967
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 21	1.4	Oct 8	.93	Jul 21 1961
ANNUAL RUNOFF (AC-F	1420		2390		2670	
10 PERCENT EXCEEDS	2.4		6.6		7.4	
50 PERCENT EXCEEDS	1.9		3.1		2.4	
90 PERCENT EXCEEDS	1.5		1.7		1.4	

e Estimated

10172726 FAUST CREEK BELOW TOOELE CITY WELL NEAR VERNON, UT

LOCATION.--Lat 40°08'51", long 112°26'39", in SE¼NW¼SE¼ sec. 6, T. 8 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank, 100 ft below Tooele City well, 2.0 mi southwest of Faust, and 4.0 mi north of Vernon.

PERIOD OF RECORD.--October 1991 to September 1994, October 1994 to September 1995 (seasonal only).

GAGE.--Water-stage recorder. Elevation of gage is 5,295 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 20 ft^3/s May 13, 20, 1994; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 16 ft^3/s Sept. 10, 13; no flow many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.00	.00	.00	7.8	12	9.5
2	---	---	---	---	---	---	.00	.00	.00	9.1	14	7.2
3	---	---	---	---	---	---	.00	.00	.00	.01	14	9.5
4	---	---	---	---	---	---	.00	.00	.00	3.8	13	.01
5	---	---	---	---	---	---	2.7	.00	.00	9.5	7.2	.00
6	---	---	---	---	---	---	.00	.00	.00	11	3.2	6.8
7	---	---	---	---	---	---	1.9	.00	.00	14	9.7	12
8	---	---	---	---	---	---	1.2	.00	.00	14	7.8	12
9	---	---	---	---	---	---	.00	.00	.00	7.0	12	15
10	---	---	---	---	---	---	.00	.00	.00	8.2	12	16
11	---	---	---	---	---	---	.00	.00	.00	12	8.7	12
12	---	---	---	---	---	---	.00	.00	.00	12	13	13
13	---	---	---	---	---	---	.00	.00	.00	12	15	16
14	---	---	---	---	---	---	.00	.00	3.2	13	13	14
15	---	---	---	---	---	---	.00	.00	9.0	13	9.3	6.4
16	---	---	---	---	---	---	.00	.00	.02	14	6.1	2.5
17	---	---	---	---	---	---	.00	.00	.00	11	13	.01
18	---	---	---	---	---	---	.00	.00	.00	5.6	9.7	.00
19	---	---	---	---	---	---	.00	.00	5.2	8.3	6.7	.00
20	---	---	---	---	---	---	.00	.00	5.5	13	12	.00
21	---	---	---	---	---	---	.00	.00	.14	10	5.5	.00
22	---	---	---	---	---	---	.00	.00	2.8	4.5	14	.00
23	---	---	---	---	---	---	.00	.00	3.5	.03	10	.02
24	---	---	---	---	---	---	.00	.00	4.1	7.8	.76	.02
25	---	---	---	---	---	---	.00	.00	.85	12	.02	7.1
26	---	---	---	---	---	---	1.3	.00	4.2	8.9	2.1	13
27	---	---	---	---	---	---	4.2	.00	7.4	12	.01	8.2
28	---	---	---	---	---	---	2.8	.00	8.7	14	6.7	.02
29	---	---	---	---	---	---	.01	.00	5.2	7.2	7.8	.00
30	---	---	---	---	---	---	.00	.00	4.4	.01	6.1	.00
31	---	---	---	---	---	---	---	.00	---	7.0	12	---
TOTAL	---	---	---	---	---	---	14.11	0.00	64.21	281.75	276.39	180.28
MEAN	---	---	---	---	---	---	.47	.000	2.14	9.09	8.92	6.01
MAX	---	---	---	---	---	---	4.2	.00	9.0	14	15	16
MIN	---	---	---	---	---	---	.00	.00	.00	.01	.01	.00
AC-FT	---	---	---	---	---	---	28	.00	127	559	548	358

10172727 FAUST CREEK NEAR VERNON, UT

LOCATION.--Lat 40°09'38", long 112°25'49", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 32, T. 7 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on left bank 30 ft west of State Highway 36, approximately 1 mi south of Faust, and 4.5 mi north of Vernon.

DRAINAGE AREA.--145 mi^2.

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

GAGE.--Water-stage recorder.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22 ft$^3/_s$ Mar. 10, 1993, gage height, 5.96 ft, maximum gage height, 6.08 ft, Nov. 2, 1992 (backwater from aquatic growth); minimum daily discharge, 0.4 ft$^3/_s$, July 15, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge observed, 19.5 ft$^3/_s$ Nov. 23, gage height, 6.49 ft, affected by backwater from ice; minimum daily discharge, 0.67 ft$^3/_s$ Apr. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.1	4.5	e1.1	2.2	1.6	.84	1.8	3.4	2.8	2.4	4.9
2	1.7	2.3	3.5	e1.2	2.1	2.3	.80	3.3	5.4	3.8	4.9	3.4
3	1.7	2.4	3.4	e1.0	2.0	1.7	.72	2.6	6.0	3.7	6.0	4.3
4	2.1	2.4	4.0	e1.2	1.9	2.0	.72	2.7	6.5	2.3	6.4	3.2
5	2.4	2.7	3.5	e1.4	1.9	1.7	.70	2.6	4.6	2.3	6.1	2.2
6	2.5	2.5	3.1	e1.7	1.8	1.7	.75	2.6	4.5	3.3	3.1	1.8
7	2.1	2.4	e2.7	e1.8	1.8	1.6	.68	2.6	4.2	4.6	1.9	2.8
8	1.9	2.5	e2.4	e1.8	1.8	1.5	.95	2.7	5.6	5.3	2.6	4.5
9	1.8	2.4	e1.9	e2.2	1.8	1.3	1.4	2.8	5.6	5.6	3.7	5.4
10	1.7	2.2	e1.9	2.4	1.7	1.3	1.1	3.5	4.5	3.1	4.8	6.6
11	1.6	2.2	e2.0	2.3	e1.7	1.5	.99	3.8	3.7	3.8	4.2	6.2
12	1.7	e2.1	e2.1	2.0	e1.7	1.7	.97	7.1	3.2	5.1	4.4	5.4
13	1.7	e2.1	e2.0	2.1	e1.6	1.6	.89	7.6	2.9	5.0	5.3	6.3
14	1.8	e2.1	e1.6	2.1	e1.3	1.6	1.2	6.7	2.4	5.6	6.0	6.7
15	2.6	e2.2	e1.7	2.4	e1.1	1.6	1.7	5.0	3.1	5.9	5.5	6.3
16	2.6	e2.1	e1.8	2.2	e1.2	1.5	1.6	4.0	3.5	6.0	3.4	3.1
17	2.4	e2.0	e1.7	2.0	e1.6	1.5	1.6	3.6	2.6	6.6	3.0	2.1
18	2.3	e2.0	e1.5	e1.9	e1.8	1.4	1.7	3.7	2.4	5.0	4.4	2.0
19	2.2	e1.9	e1.7	e1.8	1.9	1.5	2.5	3.4	2.2	3.8	3.4	1.8
20	2.1	e1.7	e1.6	1.9	1.9	1.3	2.1	3.1	3.2	5.4	4.1	1.7
21	2.0	e1.9	e1.4	1.9	1.8	1.2	2.5	2.9	2.6	6.4	4.3	1.7
22	2.0	e4.5	e1.6	e1.5	1.7	1.4	1.6	3.1	2.0	4.3	4.7	1.6
23	2.0	e19	e1.7	e1.4	1.6	.96	1.5	3.8	2.0	3.3	7.1	1.6
24	2.1	e14	e1.8	2.1	1.6	1.3	1.4	7.9	2.7	2.5	4.8	1.6
25	2.1	e13	e2.2	2.3	1.6	1.1	1.4	13	2.1	3.2	2.3	1.5
26	2.1	13	e2.1	2.6	1.5	1.1	1.4	11	1.8	4.6	1.8	2.0
27	2.1	e12	e1.9	2.2	1.5	.99	1.3	8.0	1.9	4.4	1.5	5.0
28	2.0	e12	e2.0	2.0	1.5	.94	1.4	5.8	3.6	5.3	1.4	3.2
29	2.0	e11	e1.9	2.0	---	.93	2.0	4.4	3.0	6.0	1.7	2.0
30	2.1	11	e1.7	2.1	---	.92	1.9	3.9	2.9	3.2	2.1	1.7
31	2.1	---	e1.4	2.1	---	.91	---	3.8	---	2.1	2.8	---
TOTAL	63.5	155.7	68.3	58.7	47.6	43.65	40.31	142.8	104.1	134.3	120.1	102.6
MEAN	2.05	5.19	2.20	1.89	1.70	1.41	1.34	4.61	3.47	4.33	3.87	3.42
MAX	2.6	19	4.5	2.6	2.2	2.3	2.5	13	6.5	6.6	7.1	6.7
MIN	1.6	1.7	1.4	1.0	1.1	.91	.68	1.8	1.8	2.1	1.4	1.5
AC-FT	126	309	135	116	94	87	80	283	206	266	238	204

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1995, BY WATER YEAR (WY)

MEAN	1.43	2.18	1.33	1.26	1.79	4.19	3.41	3.67	2.03	1.93	2.43	2.31
MAX	2.05	5.19	2.20	1.89	2.49	10.6	5.16	5.37	3.79	4.33	5.27	4.94
(WY)	1995	1995	1995	1995	1992	1993	1993	1994	1994	1995	1994	1994
MIN	.90	.80	.80	.93	.89	1.41	1.34	1.47	.76	.32	.19	.26
(WY)	1994	1994	1994	1992	1994	1995	1995	1992	1992	1993	1993	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1991 - 1995	
ANNUAL TOTAL	1227.36		1081.66			
ANNUAL MEAN	3.36		2.96		2.35	
HIGHEST ANNUAL MEAN					2.96	1995
LOWEST ANNUAL MEAN					1.22	1992
HIGHEST DAILY MEAN	19	Nov 23	19	Nov 23	19	Nov 23 1994
LOWEST DAILY MEAN	.40	Jul 15	.68	Apr 7	.08	Sep 3 1992
ANNUAL SEVEN-DAY MINIMUM	.67	Jan 30	.74	Apr 1	.10	Aug 28 1992
ANNUAL RUNOFF (AC-FT)	2430		2150		1700	
10 PERCENT EXCEEDS	6.4		5.6		5.3	
50 PERCENT EXCEEDS	2.5		2.1		1.6	
90 PERCENT EXCEEDS	.90		1.4		.45	

e Estimated

10172765 CLOVER CREEK ABOVE BIG HOLLOW, NEAR CLOVER, UT

LOCATION.--Lat 40°20'06", long 112°31'39", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 33, T. 55 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on left bank 60 ft south of State Highway 199 at milepost 15.9, and 4.6 mi west of St. John.

DRAINAGE AREA.--6.71 mi^2.

PERIOD OF RECORD.--November 1984 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Elevation of gage is 5,660 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft$^3/_s$ June 6, 1995, gage height, 2.26 ft; minimum daily discharge, 0.74 ft$^3/_s$ Jan. 5, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47 ft$^3/_s$ June 6, gage height, 2.26 ft; minimum daily discharge, 0.86 ft$^3/_s$ Dec. 13, 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	e1.9	e1.0	e1.3	e2.2	e3.5	3.5	10	e23	20	12	9.0
2	2.2	e2.0	e1.0	e1.3	e2.1	e3.8	3.7	11	34	19	12	9.0
3	e2.3	e1.9	e1.0	e1.4	e2.0	e3.7	3.7	12	37	19	12	8.8
4	e2.3	e1.9	e1.0	e1.4	e1.9	e4.0	4.0	11	37	19	12	8.7
5	e2.3	e1.9	e1.0	e1.5	e1.9	e3.5	5.5	11	42	18	e12	8.7
6	e2.3	e1.9	1.0	e1.5	e1.9	e3.6	6.2	e12	44	18	e12	8.5
7	e2.3	e1.8	1.4	e1.6	e2.0	e3.3	6.6	e13	33	18	e12	8.4
8	e2.3	e1.8	1.2	e1.7	e2.3	e3.2	7.5	e13	23	18	e12	8.4
9	e2.2	e1.8	.91	e1.8	e2.2	e3.0	6.7	e14	20	18	12	8.2
10	e2.2	e1.8	.91	e1.9	e2.2	3.4	5.6	e14	20	18	11	8.1
11	e2.1	e1.8	.91	e1.9	2.2	6.5	4.9	e16	20	18	11	7.9
12	e2.1	e1.7	.88	e1.8	2.2	6.0	4.5	e17	24	17	11	7.8
13	e2.1	e1.7	e.86	e1.7	2.2	4.5	4.9	e17	35	17	11	7.8
14	e2.1	e1.7	e.86	e1.9	2.3	3.9	7.1	e17	38	17	11	7.6
15	e2.1	e1.7	e.90	e2.1	2.3	5.0	6.4	e17	39	16	10	7.5
16	e2.2	1.7	e.90	e2.0	2.3	6.9	5.8	e18	33	16	10	7.5
17	e2.2	1.7	e.92	e1.9	2.3	6.5	5.3	e19	24	15	11	7.5
18	e2.2	e1.7	e.98	e1.8	2.3	7.2	4.7	e19	22	15	10	7.3
19	e2.2	e1.6	e.98	e1.8	2.3	11	4.4	e20	22	15	10	7.2
20	e2.1	e1.5	e1.1	e1.6	2.3	9.1	4.0	e20	22	15	10	7.2
21	e2.1	e1.4	e1.1	e1.6	2.5	8.6	3.8	e21	22	15	10	7.2
22	e2.1	e1.3	e1.1	e1.5	2.5	8.7	3.7	e23	20	14	10	6.9
23	e2.1	e1.4	e1.1	e1.8	2.9	7.5	4.3	e27	19	14	10	6.9
24	e2.1	1.2	e1.2	e2.0	3.3	6.4	4.5	e27	20	14	10	6.9
25	e2.0	e1.2	e1.4	e2.1	3.8	5.7	5.4	e25	21	14	10	6.9
26	e2.0	e1.2	e1.4	e2.0	4.6	5.1	6.9	e24	21	13	9.8	6.7
27	e2.0	e1.1	e1.3	e1.9	4.3	4.5	7.5	e22	21	13	9.6	6.6
28	e2.0	e1.1	e1.2	e1.8	3.7	4.3	9.0	e21	21	13	9.5	6.6
29	e2.0	e1.1	e1.3	e1.7	---	4.1	8.1	e20	21	13	9.3	6.6
30	e2.0	e1.1	e1.4	e1.9	---	3.8	9.3	e21	20	13	9.3	6.6
31	e2.0	---	e1.4	e2.1	---	3.6	---	e22	---	12	9.2	---
TOTAL	66.4	47.6	33.61	54.3	71.0	163.9	167.5	554	798	494	330.7	229.0
MEAN	2.14	1.59	1.08	1.75	2.54	5.29	5.58	17.9	26.6	15.9	10.7	7.63
MAX	2.3	2.0	1.4	2.1	4.6	11	9.3	27	44	20	12	9.0
MIN	2.0	1.1	.86	1.3	1.9	3.0	3.5	10	19	12	9.2	6.6
AC-FT	132	94	67	108	141	325	332	1100	1580	980	656	454

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1995, BY WATER YEAR (WY)

MEAN	2.21	1.92	1.61	1.49	1.72	3.06	4.81	8.70	9.01	5.63	3.99	3.01
MAX	4.14	3.40	3.08	2.48	3.65	7.47	10.8	19.9	26.6	15.9	10.7	7.63
(WY)	1987	1987	1987	1987	1986	1986	1986	1993	1995	1995	1995	1995
MIN	1.00	1.02	.82	.84	.86	.90	1.83	1.89	2.28	1.64	1.32	1.04
(WY)	1991	1993	1993	1993	1991	1991	1990	1990	1992	1990	1990	1990

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1986 - 1995	
ANNUAL TOTAL	1071.31		3010.01			
ANNUAL MEAN	2.94		8.25		3.94	
HIGHEST ANNUAL MEAN					8.25	1995
LOWEST ANNUAL MEAN					1.51	1990
HIGHEST DAILY MEAN	11	Apr 20	44	Jun 6	44	Jun 6 1995
LOWEST DAILY MEAN	.86	Dec 13	.86	Dec 13	.74	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	.89	Dec 10	.89	Dec 10	.78	Dec 31 1992
ANNUAL RUNOFF (AC-FT)	2120		5970		2850	
10 PERCENT EXCEEDS	5.4		20		8.7	
50 PERCENT EXCEEDS	2.3		5.0		2.4	
90 PERCENT EXCEEDS	1.4		1.4		1.0	

e Estimated

10172791 SETTLEMENT CREEK ABOVE RESERVOIR NEAR TOOELE, UT

LOCATION.--Lat 40°30'20", long 112°17'23", in $SE^1/_4NW^1/_4NW^1/_4$, sec. 3, T. 4 S., R. 4 W., Tooele County, Hydrologic Unit 16020304, on right bank 0.2 mi upstream from road crossing at upstream end of reservoir.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,380 ft above sea level, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67 $ft^3/_s$ June 15, 1995, gage height, 4.41 ft, maximum gage height, 4.61 ft June 5, 1995; minimum discharge 0.13 $ft^3/_s$ Aug. 19, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67 $ft^3/_s$ June 15, gage height, 4.41 ft, maximum gage height, 4.61 ft, June 5; minimum daily discharge, 0.61 $ft^3/_s$ several days in November and December.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	.66	.61	.63	.66	.66	1.0	2.2	20	22	7.3	3.2
2	.77	.73	.61	.66	.66	.71	1.0	3.0	23	20	7.1	3.2
3	.75	.72	.62	.66	.66	.68	1.0	4.6	25	20	6.9	3.2
4	.73	.72	.66	.66	.66	.73	1.1	5.7	27	18	6.8	3.2
5	.84	.72	.66	.66	.66	.72	1.1	6.6	39	18	6.6	3.2
6	.74	.72	.64	.66	.66	.72	1.1	7.4	48	18	6.3	3.1
7	.72	.67	.64	.67	.66	.72	1.2	7.5	48	17	6.1	3.0
8	.70	.70	.61	.72	.69	.72	1.2	7.5	43	17	6.1	3.0
9	.70	.66	.62	.73	.68	.72	1.3	7.7	40	17	5.8	3.0
10	.70	.70	.61	.73	.68	.76	1.3	8.1	33	17	5.6	3.0
11	.71	.67	.61	.73	.72	.85	1.3	9.6	34	17	5.4	2.9
12	.72	.74	.61	.69	.72	.82	1.3	11	31	17	5.1	2.8
13	.75	.73	.66	.66	.72	.75	1.3	11	33	17	4.8	2.8
14	.89	.70	.61	.66	.78	.74	1.4	11	39	16	4.8	2.8
15	.99	.66	.61	.74	.75	.72	1.4	11	53	16	4.5	2.7
16	1.1	.70	.61	.71	.72	.72	1.4	12	59	15	4.4	2.7
17	1.0	.70	.61	.68	.72	.72	1.4	13	45	14	4.5	2.7
18	.95	.72	.61	.66	.72	.76	1.5	14	35	14	4.3	2.7
19	.87	.67	.61	.66	.72	.83	1.6	15	28	13	4.1	2.7
20	.84	.66	.61	.66	.72	.78	1.6	16	25	12	4.1	2.7
21	.85	.66	.61	.67	.72	.85	1.7	19	24	12	4.1	2.7
22	.81	.66	.61	.66	.71	.91	1.6	21	24	12	3.9	2.7
23	.78	.66	.61	.66	.72	.89	1.7	24	24	11	3.7	2.7
24	.78	.66	.61	.66	.70	.92	1.7	26	22	10	3.7	2.6
25	.78	.67	.62	.66	.68	.93	1.8	26	22	9.8	3.7	2.5
26	.75	.66	.62	.67	.67	.97	1.8	25	23	9.5	3.5	2.5
27	.72	.66	.63	.66	.66	.96	1.9	23	23	8.9	3.2	2.5
28	.72	.63	.62	.66	.66	.97	1.9	21	23	8.5	3.2	2.5
29	.72	.61	.61	.66	---	1.0	2.0	21	22	8.1	3.2	2.5
30	.72	.61	.61	.66	---	1.0	2.1	21	22	7.8	3.2	2.5
31	.69	---	.61	.67	---	1.0	---	20	---	7.5	3.2	---
TOTAL	24.60	20.43	19.19	20.92	19.48	25.23	43.7	430.9	957	440.1	149.2	84.3
MEAN	.79	.68	.62	.67	.70	.81	1.46	13.9	31.9	14.2	4.81	2.81
MAX	1.1	.74	.66	.74	.78	1.0	2.1	26	59	22	7.3	3.2
MIN	.69	.61	.61	.63	.66	.66	1.0	2.2	20	7.5	3.2	2.5
AC-FT	49	41	38	41	39	50	87	855	1900	873	296	167

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1995, BY WATER YEAR (WY)

MEAN	1.02	.87	.73	.65	.67	.79	1.08	6.51	10.1	4.15	1.89	1.16
MAX	1.48	1.16	1.00	.96	.94	1.06	1.46	15.6	31.9	14.2	4.81	2.81
(WY)	1994	1992	1989	1989	1989	1989	1995	1993	1995	1995	1995	1995
MIN	.73	.62	.47	.45	.49	.62	.68	2.15	1.93	.63	.63	.52
(WY)	1991	1993	1993	1993	1993	1991	1991	1990	1992	1992	1992	1991

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1989 - 1995	
ANNUAL TOTAL	484.62		2235.05			
ANNUAL MEAN	1.33		6.12		2.47	
HIGHEST ANNUAL MEAN					6.12	1995
LOWEST ANNUAL MEAN					1.05	1992
HIGHEST DAILY MEAN	14	May 17	59	Jun 16	59	Jun 16 1995
LOWEST DAILY MEAN	.37	Feb 6	.61	Nov 29	.21	Sep 27 1991
ANNUAL SEVEN-DAY MINIMUM	.45	Feb 1	.61	Dec 14	.24	Jan 28 1992
ANNUAL RUNOFF (AC-FT)	961		4430		1790	
10 PERCENT EXCEEDS	2.2		21		4.7	
50 PERCENT EXCEEDS	.79		1.0		.97	
90 PERCENT EXCEEDS	.57		.66		.57	

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'47", long 112°34'25", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 6, T. 4 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on right bank 200 ft upstream from Forest Service Guard Station, 1.7 mi above Wasatch National Forest boundary, 9.2 mi southwest of Grantsville, and 14.8 mi west of Tooele.

DRAINAGE AREA.--4.19 mi^2. Area at crest-stage gage site, 3.26 mi^2.

PERIOD OF RECORD.--July 1963 to current year. Annual maximum only, July 1960 to July 1963, at crest-stage gage site.

REVISED RECORDS.--WDR UT-83-1: 1982.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,360 ft above sea level, from topographic map. Prior to July 23, 1963, crest-stage gage only, at site 1.4 mi upstream at different datum.

REMARKS.--Records fair. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft^3/s June 8, 1964, gage height, 2.27 ft; minimum daily discharge, 1.4 ft^3/s Jan. 5, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 5	2200	*87	*1.99				

Minimum daily discharge, 2.0 ft^3/s January 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.8	2.6	2.4	2.4	4.2	7.2	10	25	33	11	6.9
2	2.3	2.8	2.6	2.4	2.6	4.5	7.3	11	30	30	11	6.8
3	2.5	2.8	2.6	2.4	2.6	4.5	7.3	12	56	32	11	6.8
4	2.8	2.8	2.6	2.4	2.6	4.4	7.3	12	60	32	11	6.7
5	2.9	2.8	2.6	2.4	2.7	4.2	7.4	12	57	31	11	6.4
6	2.8	2.8	2.6	2.4	2.8	3.9	8.0	12	54	27	11	6.4
7	2.8	2.8	2.6	2.4	2.8	3.6	8.8	12	45	28	10	6.4
8	2.8	2.8	2.6	2.4	3.1	3.6	9.8	11	33	30	10	6.4
9	2.8	2.8	2.6	2.4	3.0	3.4	10	11	33	34	9.9	6.4
10	2.8	2.8	2.6	2.4	3.0	3.7	11	11	25	32	9.4	6.4
11	2.8	2.8	2.6	2.6	3.2	5.3	11	11	22	31	9.3	6.4
12	2.8	3.0	2.6	2.4	3.0	5.5	11	12	25	29	8.9	6.4
13	2.8	2.8	2.6	2.4	2.8	4.8	11	13	41	28	8.9	6.4
14	3.1	2.8	2.6	2.4	2.8	5.0	11	13	48	26	8.7	6.2
15	3.1	2.7	2.6	2.5	2.6	6.0	11	14	50	22	8.2	6.0
16	3.0	2.6	2.6	2.4	2.6	6.3	11	15	41	18	8.4	6.0
17	3.0	2.6	2.6	2.4	2.6	6.0	11	16	33	18	8.9	6.0
18	3.0	2.6	2.4	2.4	2.6	6.3	11	17	33	18	8.6	6.0
19	3.0	2.6	2.4	2.2	2.6	7.6	11	21	33	18	8.3	6.0
20	3.0	2.6	2.4	2.2	2.6	7.8	11	22	29	18	8.3	6.0
21	3.0	2.6	2.4	2.2	2.6	9.1	11	27	35	18	8.2	6.0
22	3.0	2.6	2.4	2.1	2.8	9.2	11	33	33	18	7.8	6.0
23	3.0	2.6	2.4	2.0	2.9	9.3	10	43	31	18	7.7	6.0
24	2.9	2.6	2.4	2.0	3.1	9.4	11	42	34	16	7.3	5.6
25	2.8	2.6	2.4	2.2	3.4	9.4	11	36	31	15	7.3	5.6
26	2.8	2.6	2.4	2.2	3.6	8.9	11	27	36	14	7.3	5.7
27	2.8	2.6	2.4	2.2	3.8	8.4	12	25	35	13	7.1	6.0
28	2.8	2.6	2.4	2.2	4.1	7.6	11	24	34	13	6.8	6.0
29	2.8	2.6	2.4	2.2	---	7.3	9.5	24	32	12	6.8	6.0
30	2.8	2.6	2.4	2.2	---	6.9	9.9	24	35	11	6.8	6.0
31	2.8	---	2.4	2.2	---	6.6	---	23	---	11	6.8	---
TOTAL	88.1	81.1	77.8	71.6	81.3	192.7	301.5	596	1109	694	271.7	185.9
MEAN	2.84	2.70	2.51	2.31	2.90	6.22	10.0	19.2	37.0	22.4	8.76	6.20
MAX	3.1	3.0	2.6	2.6	4.1	9.4	12	43	60	34	11	6.9
MIN	2.3	2.6	2.4	2.0	2.4	3.4	7.2	10	22	11	6.8	5.6
AC-FT	175	161	154	142	161	382	598	1180	2200	1380	539	369

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	3.54	3.29	2.95	2.87	2.89	3.60	6.41	16.0	19.0	9.66	5.20	4.14
MAX	7.59	6.57	5.79	5.61	5.84	7.12	11.9	40.0	46.0	24.6	12.6	9.54
(WY)	1984	1985	1985	1984	1984	1986	1986	1984	1984	1984	1984	1982
MIN	1.71	1.70	1.64	1.50	1.54	1.53	2.42	4.38	4.00	2.55	1.91	1.71
(WY)	1991	1991	1991	1991	1991	1991	1967	1977	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	1578.7		3750.7			
ANNUAL MEAN	4.33		10.3		6.64	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	19	May 15	60	Jun 4	84	Jun 1 1984
LOWEST DAILY MEAN	2.1	Feb 2	2.0	Jan 23	1.4	Jan 5 1993
ANNUAL SEVEN-DAY MINIMUM	2.2	Jan 30	2.1	Jan 19	1.5	Dec 24 1990
ANNUAL RUNOFF (AC-FT)	3130		7440		4810	
10 PERCENT EXCEEDS	9.0		30		15	
50 PERCENT EXCEEDS	2.8		6.0		3.7	
90 PERCENT EXCEEDS	2.4		2.4		2.2	

10172870 TROUT CREEK NEAR CALLAO, UT

LOCATION.--Lat 39°44'39", long 113°53'21", in $SW^1/_4NW^1/_4SW^1/_4$ sec. 28, T. 12 S., R. 18 W., Juab County, Hydrologic Unit 16020306, on left bank 2.9 mi upstream from Birch Creek and 14 mi southwest of Callao.

DRAINAGE AREA.--8.19 mi^2.

PERIOD OF RECORD.--October 1958 to September 30, 1995 (discontinued). Monthly discharge only for October and November 1958, published in WSP 1734.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above sea level, from topographic map.

REMARKS.--Records fair except for winter record and estimated daily discharges, which are poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177 $ft^3/_s$ June 2, 1983, gage height, 2.84 ft, maximum gage height, 3.00 ft, May 15, 1973; minimum, 0.24 $ft^3/_s$ Feb. 25, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 5	0200	*84	*1.71				

Minimum daily discharge, 0.76 $ft^3/_s$ Jan. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	e1.9	e1.4	e.82	1.9	2.3	2.2	9.0	31	40	7.5	2.8
2	1.6	e2.0	1.5	e.76	1.9	e2.2	2.2	10	48	38	7.3	2.9
3	1.5	e1.9	1.5	e.80	1.7	e2.2	2.2	10	61	37	7.1	3.0
4	1.6	e1.8	e1.5	e.78	1.6	e2.2	2.4	9.3	e56	36	6.9	3.0
5	2.1	e1.8	e1.4	e.86	e1.3	e2.2	3.0	9.0	71	33	6.6	3.0
6	1.8	e1.8	1.5	e.94	e1.4	e2.2	3.2	8.5	70	32	6.1	2.8
7	1.7	e1.9	1.5	e1.0	e1.5	e2.8	3.5	7.9	61	32	5.8	2.7
8	1.6	e2.0	1.3	e1.1	1.6	2.0	3.5	7.1	54	31	5.8	2.6
9	1.6	2.0	e1.1	1.1	1.6	2.0	3.7	6.3	48	30	5.5	2.7
10	1.5	2.0	e1.0	1.3	1.6	2.0	3.5	7.7	46	30	5.4	2.6
11	1.6	2.0	e1.1	1.5	1.6	2.5	3.4	9.7	45	29	5.1	2.4
12	1.6	2.0	e1.2	1.3	1.5	2.4	3.3	11	52	28	5.1	2.2
13	1.7	e1.7	e1.4	1.4	e1.4	2.4	3.6	10	69	e26	5.0	2.1
14	1.9	e1.5	e1.0	1.5	e1.2	2.4	4.0	8.9	69	e23	e4.9	2.0
15	1.9	e1.4	e1.1	1.5	e1.0	2.5	3.8	8.1	54	e20	e4.7	1.8
16	1.9	e1.5	e1.2	1.4	e.90	3.0	3.7	7.8	49	e18	e4.5	1.7
17	2.0	e1.7	e1.1	1.4	e1.0	3.0	3.6	8.2	43	e15	e4.1	1.8
18	2.0	e1.7	e.95	e1.2	e1.2	3.3	3.6	11	38	e13	e3.9	2.0
19	2.0	e1.6	e1.1	e1.1	e1.4	3.9	3.5	13	34	e12	e3.9	1.7
20	1.9	e1.3	e1.2	e1.2	1.5	3.7	3.5	14	35	e11	e3.7	1.6
21	1.8	e1.2	e1.2	1.3	1.6	3.6	3.4	19	37	e9.4	e3.6	1.7
22	1.8	e1.2	e1.1	1.2	1.7	3.1	3.2	25	35	e9.0	e3.5	1.7
23	1.8	e1.3	e.94	1.4	1.9	3.0	3.6	25	35	e8.6	3.8	1.7
24	1.8	e1.1	e1.1	1.3	2.2	2.9	4.1	25	38	e8.0	3.6	1.7
25	1.8	1.5	e1.3	1.3	2.2	3.2	4.9	26	41	e7.8	3.4	1.7
26	2.0	1.5	e1.3	1.4	e2.3	2.8	5.4	24	42	e7.5	3.4	1.7
27	2.0	1.4	e1.2	1.3	2.2	2.8	6.1	21	43	7.7	3.3	1.6
28	e1.9	1.5	e1.1	1.3	2.2	2.9	7.9	19	46	7.5	3.2	1.6
29	e1.8	1.5	e1.2	1.2	---	2.7	8.0	18	45	7.5	3.1	1.6
30	e1.7	e1.4	e1.2	1.2	---	2.9	8.7	18	41	7.9	3.0	1.5
31	e1.8	---	e1.0	1.6	---	2.2	---	21	---	7.8	2.9	---
TOTAL	55.9	49.1	37.69	37.46	45.10	83.3	120.7	427.5	1437	622.7	145.7	63.9
MEAN	1.80	1.64	1.22	1.21	1.61	2.69	4.02	13.8	47.9	20.1	4.70	2.13
MAX	2.2	2.0	1.5	1.6	2.3	3.9	8.7	26	71	40	7.5	3.0
MIN	1.5	1.1	.94	.76	.90	2.0	2.2	6.3	31	7.5	2.9	1.5
AC-FT	111	97	75	74	89	165	239	848	2850	1240	289	127

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

MEAN	2.16	2.05	1.76	1.64	1.69	2.17	5.04	17.7	22.1	6.04	2.67	2.02
MAX	8.59	4.96	3.29	3.31	3.35	5.04	11.1	59.2	95.4	20.1	6.55	5.37
(WY)	1983	1983	1983	1983	1983	1983	1962	1984	1983	1995	1965	1965
MIN	1.16	1.26	1.04	.96	1.02	1.09	1.34	3.44	3.66	1.49	.98	.91
(WY)	1993	1991	1991	1960	1960	1991	1991	1989	1959	1959	1959	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1959 - 1995	
ANNUAL TOTAL	1047.14		3126.05			
ANNUAL MEAN	2.87		8.56		5.70	
HIGHEST ANNUAL MEAN					16.3	1983
LOWEST ANNUAL MEAN					2.07	1989
HIGHEST DAILY MEAN	21	May 14	71	Jun 5	156	Jun 1 1983
LOWEST DAILY MEAN	.73	Sep 28	.76	Jan 2	.52	Feb 9 1993
ANNUAL SEVEN-DAY MINIMUM	.80	Sep 22	.85	Dec 31	.80	Sep 22 1994
ANNUAL RUNOFF (AC-FT)	2080		6200		4130	
10 PERCENT EXCEEDS	6.4		31		13	
50 PERCENT EXCEEDS	1.8		2.3		2.1	
90 PERCENT EXCEEDS	1.0		1.2		1.3	

e Estimated

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¼NW¼NW¼ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi^2.

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above sea level, from topographic map. Prior to Aug. 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft^3/s May 28, 1983; minimum discharge, 0.14 ft^3/s Mar. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85 ft^3/s June 16, gage height, 2.86 ft; minimum daily discharge, 0.32 ft^3/s Feb. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	.79	e.70	e.44	e.73	e.92	e1.9	3.2	e36	18	7.3	3.2
2	.74	.85	e.74	e.43	e.72	e.96	e2.0	3.3	e47	19	6.9	3.2
3	.75	.66	e.80	e.51	e.65	e1.0	2.1	3.4	e54	21	6.8	3.3
4	.93	.73	e.90	e.57	e.59	e1.1	2.2	3.3	e60	20	6.6	3.4
5	.92	.88	.92	e.63	e.62	e1.2	2.2	3.5	e55	19	6.8	3.4
6	.82	.91	.93	e.68	e.65	e1.1	2.4	4.7	e50	20	6.4	3.0
7	.77	.96	.92	e.72	e.75	e1.2	2.5	5.0	e40	20	6.6	3.0
8	.76	.87	e.78	e.73	e.70	e1.3	2.5	5.3	e33	20	6.4	2.9
9	.76	.89	e.61	e.76	e.64	1.5	2.4	5.4	e26	21	6.6	2.9
10	.73	.91	e.50	e.77	e.60	1.8	2.4	5.8	e23	21	6.4	3.0
11	.73	1.0	e.51	e.76	e.52	4.5	2.4	6.3	e22	21	6.5	2.9
12	.74	1.1	e.55	e.72	e.56	3.2	2.4	6.6	e24	21	6.0	2.9
13	.73	.78	e.59	e.64	e.48	2.6	2.6	6.6	36	19	6.1	2.9
14	.75	.80	e.55	e.70	e.40	2.5	2.6	6.6	45	18	6.0	2.7
15	.73	.84	e.49	e.73	e.32	3.7	2.6	6.6	54	16	6.1	2.6
16	.85	.79	e.47	e.72	e.34	3.2	2.6	6.6	52	14	6.0	2.5
17	.88	.76	e.48	e.69	e.43	2.9	2.7	6.7	51	13	6.0	2.7
18	.84	e.70	e.54	e.60	e.52	2.8	2.8	7.5	49	13	5.6	2.5
19	.85	e.60	e.56	e.50	e.63	2.6	2.8	10	40	12	5.5	2.4
20	.79	e.58	e.48	e.45	e.66	2.6	2.9	12	29	11	5.1	2.2
21	.79	e.62	e.49	e.45	e.69	3.0	e3.0	15	25	11	5.2	2.2
22	.79	e.60	e.54	e.39	e.62	2.7	e2.9	22	22	12	5.0	2.2
23	.81	e.51	e.63	e.42	e.60	2.6	e2.8	32	19	11	4.6	2.2
24	.79	e.50	e.70	e.35	e.66	2.3	e2.8	27	20	11	4.7	2.2
25	.79	e.61	e.79	e.40	e.74	2.4	e2.7	21	22	10	3.9	2.2
26	.80	e.60	e.72	e.50	e.81	2.3	e2.7	16	23	9.9	3.8	2.2
27	.79	e.60	e.64	e.63	e.88	2.1	2.6	15	26	9.1	3.6	2.2
28	.81	e.63	e.72	e.55	e.95	2.0	2.7	13	26	9.0	3.3	2.3
29	e.74	e.70	e.64	e.54	---	e1.9	3.3	13	23	8.6	3.2	2.6
30	e.64	e.80	e.50	e.62	---	e1.8	3.1	14	20	8.4	3.3	2.5
31	e.70	---	e.46	e.69	---	e1.8	---	e18	---	7.9	3.4	---
TOTAL	24.33	22.57	19.85	18.29	17.46	67.58	77.6	324.4	1052	464.9	169.7	80.4
MEAN	.78	.75	.64	.59	.62	2.18	2.59	10.5	35.1	15.0	5.47	2.68
MAX	.93	1.1	.93	.77	.95	4.5	3.3	32	60	21	7.3	3.4
MIN	.64	.50	.46	.35	.32	.92	1.9	3.2	19	7.9	3.2	2.2
AC-FT	48	45	39	36	35	134	154	643	2090	922	337	159

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1995, BY WATER YEAR (WY)

MEAN	1.81	1.51	1.32	1.25	1.39	2.43	5.52	17.7	19.4	7.10	3.45	2.18
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.0	57.3	17.9	8.45	4.58
(WY)	1985	1983	1983	1980	1986	1986	1986	1980	1983	1983	1984	1984
MIN	.77	.75	.64	.59	.62	.85	1.15	3.40	3.13	1.25	.76	.61
(WY)	1993	1995	1995	1995	1995	1977	1991	1977	1992	1994	1992	1994

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1972 - 1995	
ANNUAL TOTAL	670.34		2339.08			
ANNUAL MEAN	1.84		6.41		5.43	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	12	May 12	60	Jun 4	150	May 28 1983
LOWEST DAILY MEAN	.46	Dec 31	.32	Feb 15	.32	Feb 15 1995
ANNUAL SEVEN-DAY MINIMUM	.50	Dec 15	.42	Jan 19	.42	Jan 19 1995
ANNUAL RUNOFF (AC-FT)	1330		4640		3940	
10 PERCENT EXCEEDS	5.1		20		13	
50 PERCENT EXCEEDS	1.0		2.4		1.9	
90 PERCENT EXCEEDS	.59		.56		.93	

e Estimated

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

LOCATION.--Lat 37°37'19", long 112°30'58", in $SW^1/_4SE^1/_4NW^1/_4$ sec. 3, T. 37 S., R. 6 W., Garfield County, Hydrologic Unit 16030001, on left bank 0.5 mi upstream from West Hatch ditch diversion, 2 mi upstream from Spring Hollow, 4.5 mi upstream from mouth, and 5 mi southwest of Hatch.

DRAINAGE AREA.--105 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,300 ft above sea level, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. One small diversion for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft^3/s, June 19, 1983, gage height, 5.13 ft, from rating curve extended above 640 ft^3/s, minimum recorded, 0.06 ft^3/s, Dec. 25, 1977, Jan. 1, 22, 1978, result of ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 22	2230	398	3.91	July 18	0200	301	3.49
June 14	0500	*654	*4.79				

Minimum daily discharge, 5.0 ft^3/s, several days in December and January.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	e7.0	e5.0	e6.8	9.8	14	55	366	476	92	49
2	15	13	e7.6	e5.0	e7.0	9.8	15	75	427	444	89	48
3	14	14	e7.0	e6.0	e7.0	10	15	87	441	424	87	47
4	19	18	e7.0	e7.0	e6.8	9.9	15	92	471	405	85	46
5	16	15	e7.0	e7.0	e6.8	e7.4	15	99	507	383	84	45
6	16	14	e7.0	e7.7	e6.8	e7.2	16	95	550	363	82	46
7	16	14	e5.7	e8.0	e6.5	e7.0	17	90	516	340	80	e48
8	15	13	e5.0	e8.0	e6.5	e6.9	18	83	486	312	76	e47
9	14	13	e5.0	e7.6	e6.5	e6.7	19	72	455	280	75	e46
10	14	13	e5.0	e6.3	e6.5	e6.0	20	69	441	249	74	e45
11	13	14	e5.2	e6.2	e7.0	e12	19	84	472	231	76	e44
12	13	15	e5.2	e6.0	e7.0	e10	18	108	517	221	73	e43
13	13	14	e5.2	e7.0	e7.0	e9.0	19	121	565	206	71	42
14	18	e9.0	e5.3	e7.0	e8.0	12	22	127	597	197	69	42
15	16	e8.0	e5.4	e7.0	e7.0	13	23	127	584	189	67	40
16	17	e8.0	e5.5	e7.0	e7.2	14	23	148	532	183	67	41
17	17	e9.0	e5.5	e5.0	e7.4	14	23	152	495	175	67	40
18	16	e8.0	e5.6	e5.0	e7.8	15	22	169	468	211	64	39
19	15	e7.2	e5.8	e5.8	e8.0	16	21	195	467	171	63	39
20	15	e7.0	e6.0	e6.0	e8.7	17	21	227	483	160	63	38
21	14	e7.0	e6.0	e6.0	e7.2	18	21	320	498	152	63	37
22	14	e7.0	e6.3	e6.0	9.6	e17	20	373	492	146	62	37
23	14	e6.8	e6.3	e5.8	9.5	e15	19	373	490	139	60	37
24	14	e7.0	e7.3	e6.7	9.7	e17	19	363	490	132	60	37
25	14	e7.0	e7.8	e6.8	9.7	e15	19	324	490	126	58	37
26	14	e7.0	e7.0	e7.0	9.7	e15	20	260	494	118	56	36
27	13	e8.0	e6.7	e6.4	9.6	e13	24	230	485	111	54	36
28	13	e7.8	e7.3	e6.0	9.6	e13	27	222	473	106	53	36
29	13	e6.7	e7.0	e6.0	---	e14	31	228	499	103	52	36
30	13	e6.0	e6.0	e5.7	---	e14	41	237	532	98	51	36
31	13	---	e5.0	e6.2	---	e13	---	296	---	95	50	---
TOTAL	456	309.5	190.7	198.2	216.9	376.7	616	5501	14783	6946	2123	1240
MEAN	14.7	10.3	6.15	6.39	7.75	12.2	20.5	177	493	224	68.5	41.3
MAX	19	18	7.8	8.0	9.7	18	41	373	597	476	92	49
MIN	13	6.0	5.0	5.0	6.5	6.0	14	55	366	95	50	36
AC-FT	904	614	378	393	430	747	1220	10910	29320	13780	4210	2460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	20.7	17.4	14.0	11.6	11.4	12.7	29.5	177	182	62.9	34.3	25.4
MAX	56.8	44.5	34.9	24.2	23.0	24.7	75.4	373	616	284	105	65.1
(WY)	1984	1984	1984	1984	1973	1973	1985	1969	1983	1983	1983	1983
MIN	4.35	3.98	4.39	2.91	3.36	4.28	6.19	9.69	12.5	10.3	7.60	5.64
(WY)	1978	1978	1978	1978	1978	1991	1991	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	9846.2		32957.0			
ANNUAL MEAN	27.0		90.3		50.0	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					9.99	1977
HIGHEST DAILY MEAN	214	May 16	597	Jun 14	720	Jun 19 1983
LOWEST DAILY MEAN	5.0	Dec 8	5.0	Dec 8	1.1	Nov 20 1977
ANNUAL SEVEN-DAY MINIMUM	5.1	Dec 8	5.1	Dec 8	1.9	Jan 1 1978
ANNUAL RUNOFF (AC-FT)	19530		65370		36220	
10 PERCENT EXCEEDS	66		369		122	
50 PERCENT EXCEEDS	15		17		19	
90 PERCENT EXCEEDS	7.1		6.3		7.4	

e Estimated

10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in $SW^1/_4SW^1/_4NW^1/_4$ sec. 28, T. 36 S., R. 5 W., Garfield County, Hydrologic Unit 16030001, on right bank at highway bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi^2.

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

REVISED RECORDS.--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,870 ft above sea level, from river-profile map. See WSP 1734 for history of changes prior to Oct. 4, 1949. Relocated at present site Aug. 22, 1978.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Small diversions for irrigation above station. No regulation since Hatchtown Dam failed in 1914.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,490 $ft^3/_s$, May 26, 1922, gage height, 5.25 ft, datum then in use; minimum daily, 10 $ft^3/_s$ for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 $ft^3/_s$, Sept. 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 $ft^3/_s$ and maximum (*):

Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)	Date	Time	Discharge ($ft^3/_s$)	Gage height (ft)
June 15	1000	*929	*3.22	Sept. 6	2015	792	2.90

Minimum daily, 50 $ft^3/_s$, Jan. 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	64	59	e55	52	69	94	304	596	611	171	115
2	56	65	59	e55	53	70	95	381	710	549	170	117
3	55	67	60	e55	53	71	95	419	716	509	171	115
4	68	64	61	55	52	75	99	433	754	480	170	113
5	59	67	61	57	52	77	112	463	798	454	164	112
6	60	66	61	53	51	84	130	457	859	429	163	218
7	61	65	62	53	52	70	137	401	833	408	160	139
8	60	64	e60	52	53	67	151	363	791	384	157	144
9	60	64	e60	55	53	67	171	343	736	354	154	134
10	58	64	e60	56	53	72	160	331	694	326	154	125
11	57	64	e57	58	53	144	150	347	710	304	153	119
12	57	70	58	55	55	112	155	396	734	300	152	119
13	58	66	58	53	56	89	165	418	808	292	151	113
14	81	60	59	54	73	83	185	423	853	283	145	111
15	69	60	57	55	69	86	191	419	876	278	142	110
16	65	66	75	55	61	98	179	440	820	274	145	108
17	71	62	71	e55	59	104	176	457	759	268	151	109
18	72	65	60	e55	59	112	171	462	651	289	141	108
19	71	62	58	e55	59	119	163	480	622	262	139	107
20	68	e60	66	55	60	125	155	514	640	252	141	107
21	67	63	75	54	62	137	153	619	676	241	140	105
22	68	61	54	53	65	147	148	695	662	230	168	105
23	68	e60	55	53	66	126	144	716	656	e220	160	105
24	67	e60	59	54	66	118	135	719	649	e215	153	106
25	67	62	61	55	68	117	135	740	641	e210	140	105
26	66	62	59	54	67	108	158	607	642	e200	136	105
27	66	e60	57	53	67	105	173	545	624	e195	132	103
28	66	63	55	54	66	100	190	504	615	e190	129	102
29	65	e60	58	52	---	97	208	491	635	e180	126	105
30	65	e60	58	58	---	95	246	484	700	175	122	104
31	65	---	e55	50	---	93	---	525	---	172	118	---
TOTAL	1993	1896	1868	1686	1655	3037	4624	14896	21460	9534	4618	3488
MEAN	64.3	63.2	60.3	54.4	59.1	98.0	154	481	715	308	149	116
MAX	81	70	75	58	73	147	246	740	876	611	171	218
MIN	55	60	54	50	51	67	94	304	596	172	118	102
AC-FT	3950	3760	3710	3340	3280	6020	9170	29550	42570	18910	9160	6920

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

MEAN	68.1	66.7	61.6	56.0	59.4	66.8	116	307	250	112	84.3	72.0
MAX	152	129	108	101	105	106	285	831	1071	430	228	154
(WY)	1984	1984	1984	1984	1962	1962	1942	1993	1983	1983	1983	1983
MIN	36.8	36.9	36.2	37.1	36.6	38.5	44.0	40.8	44.2	38.1	30.4	28.3
(WY)	1978	1978	1957	1991	1978	1957	1957	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1940 - 1995	
ANNUAL TOTAL	29495		70755			
ANNUAL MEAN	80.8		194		110	
HIGHEST ANNUAL MEAN					251	1983
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	257	May 16	876	Jun 15	1340	Jun 2 1983
LOWEST DAILY MEAN	49	Sep 13	50	Jan 31	21	Sep 8 1977
ANNUAL SEVEN-DAY MINIMUM	51	Sep 10	52	Jan 31	23	Aug 30 1977
ANNUAL RUNOFF (AC-FT)	58500		140300		79890	
10 PERCENT EXCEEDS	124		600		207	
50 PERCENT EXCEEDS	71		105		68	
90 PERCENT EXCEEDS	55		55		44	

e Estimated

10180000 SEVIER RIVER NEAR CIRCLEVILLE, UT

LOCATION.--Lat 38°06'15", long 112°20'08", in NE$^1/_4$SW$^1/_4$NW$^1/_4$ sec. 20, T. 31 S., R. 4 W., Garfield County, Hydrologic Unit 16030001, on left bank 2 mi upstream from Pine Creek and 6 mi southwest of Circleville.

DRAINAGE AREA.--986 mi^2.

PERIOD OF RECORD.--May to September 1912, April 1914 to September 1927 (fragmentary 1923, 1925-27), October 1949 to September 1995 (discontinued). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 1180: 1922(M). WSP 1314: 1916. WRD UT-75-1: 1969. WDR UT-78-1: Drainage area. WDR UT-83-1: 1972(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above sea level, from river-profile map. May 10 to Sept. 19, 1912, nonrecording gage at site 300 ft upstream at different datum. Apr. 23, 1914, to Sept. 30, 1927, and Nov. 21, 1949, to Aug. 6, 1954, water-stage recorder at site 300 ft upstream at datum 0.23 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions above and below station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1938 may have exceeded that of June 2, 1983.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980 ft$^3/_s$, Dec. 26, 1971, June 2, 1983, gage height, 7.06 ft; maximum gage height, 9.80 ft, May 21, 1922, site and datum then in use; minimum daily, 18 ft$^3/_s$, June 30, July 1, 5, 1960, June 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 960 ft$^3/_s$, July 1, gage height, 4.36 ft; minimum daily discharge, 58 ft$^3/_s$, Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	121	122	117	131	160	163	331	551	894	148	119
2	58	105	123	116	132	155	163	447	614	780	147	123
3	59	107	126	118	135	149	158	550	710	706	153	122
4	73	107	131	123	132	145	156	470	776	664	146	126
5	66	108	131	128	130	148	161	458	778	578	139	123
6	63	109	132	128	129	168	178	452	811	539	137	131
7	61	107	134	123	128	152	197	437	841	508	133	187
8	61	105	125	126	129	137	207	386	869	464	141	185
9	66	105	112	131	127	137	213	357	885	438	137	228
10	72	111	118	133	125	137	220	347	834	406	136	171
11	66	112	126	136	126	209	199	352	782	365	144	154
12	67	117	133	137	125	346	197	399	769	326	138	132
13	62	116	122	130	128	234	192	432	789	316	148	118
14	118	111	126	131	136	197	184	425	811	300	144	112
15	160	111	122	135	e140	190	199	405	864	282	131	110
16	132	126	121	136	145	194	194	409	866	268	133	114
17	136	129	125	126	140	207	192	444	824	267	145	127
18	135	130	122	117	137	214	196	437	783	276	142	130
19	134	123	122	118	138	215	193	442	719	281	130	125
20	125	117	120	123	139	212	189	465	647	258	130	123
21	122	132	120	127	142	214	181	507	647	251	127	127
22	120	136	121	128	148	230	186	585	653	227	164	120
23	118	125	123	124	153	230	178	647	662	220	171	128
24	123	115	128	129	146	210	176	678	663	209	163	127
25	123	128	136	129	153	199	164	682	639	194	148	119
26	123	137	137	131	150	186	167	679	634	182	137	122
27	123	121	136	131	147	179	184	629	669	174	134	121
28	122	120	130	124	149	174	226	540	721	162	133	116
29	121	115	130	124	---	175	250	521	732	151	130	115
30	120	122	132	123	---	171	254	500	800	148	117	116
31	118	---	124	124	---	167	---	498	---	141	124	---
TOTAL	3117	3528	3910	3926	3840	5841	5717	14911	22343	10975	4350	3971
MEAN	101	118	126	127	137	188	191	481	745	354	140	132
MAX	160	137	137	137	153	346	254	682	885	894	171	228
MIN	58	105	112	116	125	137	156	331	551	141	117	110
AC-FT	6180	7000	7760	7790	7620	11590	11340	29580	44320	21770	8630	7880

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

MEAN	94.7	121	123	112	124	133	138	251	207	92.9	82.3	80.1
MAX	233	221	226	185	192	206	346	770	1193	420	295	189
(WY)	1984	1984	1984	1984	1980	1993	1993	1983	1983	1983	1983	1967
MIN	37.9	68.3	86.4	73.4	85.9	68.7	41.3	35.4	24.8	22.7	24.8	28.9
(WY)	1956	1957	1952	1992	1964	1957	1956	1977	1960	1955	1960	1955

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	38961		86429			
ANNUAL MEAN	107		237		130	
HIGHEST ANNUAL MEAN					337	1983
LOWEST ANNUAL MEAN					62.4	1956
HIGHEST DAILY MEAN	233	Mar 4	894	Jul 1	1880	Jun 2 1983
LOWEST DAILY MEAN	33	Jul 14	58	Oct 2	18	Jun 30 1960
ANNUAL SEVEN-DAY MINIMUM	35	Jul 11	63	Oct 2	19	Jun 29 1960
ANNUAL RUNOFF (AC-FT)	77280		171400		94050	
10 PERCENT EXCEEDS	159		631		207	
50 PERCENT EXCEEDS	116		139		104	
90 PERCENT EXCEEDS	45		117		41	

e Estimated

10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in SE$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 16, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030001, on left bank 1,000 ft upstream from bridge on State Highway 62, 1.1 mi west of Kingston, and 1.9 mi upstream from East Fork.

DRAINAGE AREA.--1,131 mi^2.

PERIOD OF RECORD.--June 1914 to current year.

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

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,980 ft above sea level, from river-profile map. Prior to Sept. 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft$^3/_s$ (including estimated flow of 360 ft3/s in overflow channel bypassing station), Mar. 4, 1938, gage height, 5.20 ft from rating curve extended above 600 ft$^3/_s$; minimum daily discharge, 1.6 ft$^3/_s$ July 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 946 ft$^3/_s$, July 1, gage height, 3.85 ft; minimum daily discharge, 16 ft$^3/_s$, Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	80	151	145	156	187	168	263	530	897	e53	110
2	17	75	155	142	161	188	165	352	593	821	e52	56
3	16	79	159	141	164	177	146	577	660	726	49	65
4	25	108	165	146	161	168	125	506	730	664	49	74
5	26	118	168	156	159	173	116	474	778	594	65	65
6	25	121	170	157	157	196	121	466	796	554	70	59
7	25	118	170	153	156	184	133	458	816	517	70	111
8	29	120	161	154	156	156	134	370	839	487	66	137
9	28	126	146	161	155	160	147	273	873	446	58	183
10	25	128	131	166	151	155	165	249	886	405	57	166
11	24	135	149	169	151	196	139	236	821	368	71	128
12	25	137	156	170	151	445	124	313	795	339	80	101
13	27	137	155	162	152	309	124	405	784	313	78	71
14	31	137	156	161	158	245	115	420	768	294	60	66
15	109	139	153	165	230	218	132	368	785	278	52	51
16	90	149	148	169	182	216	133	322	800	e240	48	65
17	82	163	149	156	168	233	126	410	807	e238	54	65
18	83	161	150	144	163	244	140	426	803	e238	63	60
19	86	163	151	141	163	246	131	467	724	e238	53	51
20	80	153	147	147	162	241	132	497	636	e200	46	67
21	76	176	144	153	162	246	127	530	e630	e180	49	86
22	78	176	145	155	167	260	129	627	e636	e150	73	73
23	88	164	150	154	176	262	126	694	e640	e135	100	86
24	103	148	156	156	167	239	121	767	e635	e120	146	73
25	104	161	165	159	177	227	110	767	e620	e100	135	69
26	101	174	167	163	173	211	108	810	e620	e90	135	53
27	91	161	167	163	166	203	125	750	e625	e80	133	55
28	82	159	162	156	169	193	157	629	e635	e70	132	65
29	94	148	161	152	---	192	188	579	e645	e60	132	77
30	92	155	165	151	---	186	194	547	703	e58	132	80
31	88	---	158	150	---	177	---	514	---	e56	132	---
TOTAL	1869	4169	4830	4817	4613	6733	4101	15066	21613	9956	2493	2468
MEAN	60.3	139	156	155	165	217	137	486	720	321	80.4	82.3
MAX	109	176	170	170	230	445	194	810	886	897	146	183
MIN	16	75	131	141	151	155	108	236	530	56	46	51
AC-FT	3710	8270	9580	9550	9150	13350	8130	29880	42870	19750	4940	4900

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 1995, BY WATER YEAR (WY)

MEAN	83.9	130	144	133	155	172	159	230	158	49.3	53.0	59.5
MAX	319	237	252	218	259	330	507	1154	1139	321	315	232
(WY)	1917	1984	1984	1984	1924	1921	1916	1922	1983	1995	1916	1921
MIN	6.90	29.6	34.3	45.0	74.7	65.5	16.3	8.73	7.44	4.89	5.36	7.01
(WY)	1961	1932	1932	1932	1932	1957	1963	1959	1974	1971	1960	1960

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1915 - 1995	
ANNUAL TOTAL	32500		82728			
ANNUAL MEAN	89.0		227		127	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	248	Mar 8	897	Jul 1	1560	Jun 3 1983
LOWEST DAILY MEAN	11	Jul 10	16	Oct 3	1.6	Jul 24 1963
ANNUAL SEVEN-DAY MINIMUM	11	Jul 10	22	Oct 1	2.9	Jul 22 1963
ANNUAL RUNOFF (AC-FT)	64460		164100		92000	
10 PERCENT EXCEEDS	185		626		230	
50 PERCENT EXCEEDS	71		156		112	
90 PERCENT EXCEEDS	12		60		12	

e Estimated

10183900 EAST FORK SEVIER RIVER NEAR RUBY'S INN, UT

LOCATION.--Lat 37°34'33", long 112°15'54", in $NE^1/_4SE^1/_4NW^1/_4$ sec. 19, T. 37 S., R. 4 W., Garfield County, Hydrologic Unit 16030002, Dixie National Forest, on left bank about 100 ft upstream from highway bridge, 0.6 mi downstream from Skunk Creek, 3.6 mi upstream from Tropic Reservoir Dam, 9.1 mi southwest of Ruby's Inn, and 10.5 mi southeast of Hatch.

DRAINAGE AREA.--71.6 mi^2.

PERIOD OF RECORD.--October 1961 to September 1995 (discontinued).

REVISED RECORDS.--WDR UT-74-1: 1973.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 7,860 ft above sea level, from river- profile map.Prior to October 10, 1966, on right bank at different datum.

REMARKS.--Records good except those for discharges greater than 40 $ft^3/_s$, which are fair, and those for estimated daily discharges, which are poor.No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 448 $ft^3/_s$, May 23, 1980, gage height, 3.70 ft; no flow for several days in February and March 1964.

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. 21	1830	75	2.62	May 25	1930	*150	*2.97
Apr. 13	2330	101	2.74				

Minimum daily, 4.6 $ft^3/_s$, Dec. 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	8.3	e7.2	e6.0	e10	e10	28	118	88	31	12	9.2
2	7.5	8.1	e8.0	e6.0	e10	e10	28	132	103	28	12	10
3	7.1	9.6	e8.0	e6.4	e10	e12	29	128	110	27	11	10
4	7.5	e10	e8.0	e7.0	e10	e14	38	125	109	26	11	8.9
5	7.7	e12	e7.0	e8.0	e10	e16	48	126	100	25	10	8.7
6	9.6	e11	e6.4	e8.0	e9.4	e18	56	119	98	24	10	10
7	8.2	e10	e5.6	e8.0	e9.4	e16	62	111	94	23	9.8	14
8	7.3	9.9	e5.0	e8.0	e10	e14	75	103	93	23	9.8	13
9	6.9	e8.0	e5.0	e13	e10	e14	73	99	84	22	9.7	15
10	6.8	e7.6	e5.0	e10	e9.4	e14	52	102	69	21	10	13
11	6.8	e9.0	e5.0	e9.0	e10	e20	52	101	60	21	12	11
12	6.8	e10	e5.8	e8.0	e11	e18	63	105	55	22	11	10
13	7.0	e9.0	e5.6	e8.6	e9.0	e17	79	104	52	21	12	9.8
14	20	e8.0	e6.0	e8.6	e9.0	e16	83	101	50	21	11	9.6
15	18	e7.4	e6.2	e8.6	e9.0	e18	67	105	49	20	10	9.4
16	13	e8.0	e6.4	e8.2	e8.6	e20	59	113	49	19	11	9.4
17	12	e7.0	e6.4	e8.0	e8.2	e24	57	115	52	19	12	10
18	13	e6.0	e6.4	e7.0	e8.0	37	53	113	53	19	10	9.5
19	12	e7.0	e6.8	e7.0	e7.8	44	50	110	43	18	9.9	9.4
20	11	e8.0	e6.0	e7.0	e8.0	47	47	110	40	17	11	9.2
21	9.7	e9.0	e5.8	e7.0	e8.0	60	44	115	39	16	12	8.9
22	9.5	e8.0	e5.0	e7.0	e8.2	47	44	123	38	16	12	8.8
23	9.2	e7.0	e4.6	e7.0	e8.2	43	46	129	36	15	13	9.1
24	9.0	e6.7	e5.0	e7.0	e8.6	35	47	129	34	14	12	9.4
25	8.9	e6.0	e5.4	e7.0	e9.0	35	55	141	33	14	11	9.1
26	8.7	e5.4	e5.8	e8.0	e9.2	33	69	124	33	13	10	9.4
27	8.8	e5.0	e6.0	e9.0	e9.8	31	73	113	32	13	9.5	9.2
28	8.5	e5.6	e6.4	e9.0	e10	31	83	100	32	12	9.0	10
29	8.3	e6.2	e6.8	e8.0	---	29	100	97	37	12	8.9	13
30	8.2	e6.8	e6.4	e8.0	---	28	120	89	37	12	8.6	11
31	7.9	---	e6.0	e9.0	---	28	---	85	---	12	8.5	---
TOTAL	294.3	239.6	189.0	246.4	257.8	799	1780	3485	1802	596	329.7	307.0
MEAN	9.49	7.99	6.10	7.95	9.21	25.8	59.3	112	60.1	19.2	10.6	10.2
MAX	20	12	8.0	13	11	60	120	141	110	31	13	15
MIN	6.8	5.0	4.6	6.0	7.8	10	28	85	32	12	8.5	8.7
AC-FT	584	475	375	489	511	1580	3530	6910	3570	1180	654	609

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1995, BY WATER YEAR (WY)

MEAN	10.0	10.3	8.68	8.05	9.53	15.6	37.0	55.6	23.4	10.2	9.43	8.78
MAX	17.0	18.2	24.3	18.3	15.2	25.8	91.3	225	117	32.2	24.6	17.9
(WY)	1984	1988	1967	1984	1963	1995	1993	1980	1980	1980	1983	1983
MIN	3.83	3.79	3.87	3.48	2.24	1.97	7.60	6.26	3.85	2.62	3.91	3.87
(WY)	1965	1965	1965	1990	1964	1964	1977	1972	1990	1963	1962	1964

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1962 - 1995	
ANNUAL TOTAL	4090.3		10325.8			
ANNUAL MEAN	11.2		28.3		17.2	
HIGHEST ANNUAL MEAN					45.0	1980
LOWEST ANNUAL MEAN					6.07	1977
HIGHEST DAILY MEAN	42	Apr 3	141	May 25	418	May 23 1980
LOWEST DAILY MEAN	3.5	Jul 11	4.6	Dec 23	.00	Feb 26 1964
ANNUAL SEVEN-DAY MINIMUM	3.7	Jul 11	5.3	Dec 7	.00	Feb 26 1964
ANNUAL RUNOFF (AC-FT)	8110		20480		12500	
10 PERCENT EXCEEDS	23		95		32	
50 PERCENT EXCEEDS	8.7		11		9.9	
90 PERCENT EXCEEDS	5.0		6.8		4.6	

e Estimated

10188000 OTTER CREEK RESERVOIR NEAR ANTIMONY, UT

LOCATION.--Lat 38°10'15", long 112°01'25", in NW¼SW¼NW¼ sec. 28, T. 30 S., R. 2 W., Piute County, Hydrologic Unit 16030002, near spillway on right side of dam on Otter Creek, 3.7 mi northwest of Antimony and 9.3 mi east of Kingston.

DRAINAGE AREA.--373 mi^2.

PERIOD OF RECORD.--January 1914 to September 1915, January 1934 to September 1995 (discontinued). Published as "near Coyote" 1914.

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

GAGE.--Staff gage read intermittently and on last day of each month. Datum of gage is 6,338 ft above sea level (from elevation data provided by State Engineer's Office).

REMARKS.--Reservoir was formed in 1898 by a 15-ft earthfill, rock-faced dam which was raised some each year to the ultimate height of 42 ft in 1915. The dam has a concrete core through the center. Capacity, 52,700 acre-ft between elevation 6,338 ft (bottom of outlet gage) and 6,374 ft (top of flashboards on spillway. At times, additional flashboards are added or surcharge occurs increasing the elevation to 6,375.6 ft, capacity, 56,760 acre-ft. Spillway crest is at elevation 6,371.5 ft. Figures given herein represent total contents. Reservoir stores water from Otter Creek and also water diverted from East Fork Sevier River, for irrigation in Sevier River basin.

COOPERATION.--Elevation record provided by Sevier River Commissioner. Revised capacity table, based on Soil Conservation Service survey in 1960, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 56,760 acre-ft, May 31, 1982, and June 2, 1995, elevation, 6,375.6 ft; minimum observed, 200 acre-ft, Sept. 10, 1956, elevation, 6,339.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 56,760 acre-ft, June 2, elevation, 6,375.6 ft; minimum observed, 14,780 acre-ft, Oct. 6, elevation, 6,354.9 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept.30	6,354.6	14,340	--
Oct. 31	6,356.8	17,650	+3,310
Nov. 30	6,359.7	22,430	+4,780
Dec. 31	6,361.8	26,160	+3,730
CAL YR 1994	--	--	-18,940
Jan. 31	6,364.3	30,910	+4,750
Feb. 28	6,366.6	35,570	+4,660
Mar. 31	6,370.2	43,480	+7,910
Apr. 30.	6,373.2	50,670	+7,190
May 31	6,374.5	53,930	+3,260
June 30	6,374.6	54,180	+250
July 31.	6,373.3	50,920	-3,260
Aug. 31	6,370.6	44,410	-6,510
Sept. 30	6,368.3	39,210	-5,200
WTR YR 1995	--	--	+24,870

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'49", long 112°09'01", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 13, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030002, on left bank 1,500 ft upstream from bridge on State Highway 22, 2.2 mi east of Kingston, 4.6 mi upstream from mouth, and 8.0 mi downstream from Otter Creek.

DRAINAGE AREA.--1,207 mi^2.

PERIOD OF RECORD.--March 1913 to current year.

REVISED RECORDS.--WSP 750: 1931-32. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,150 ft above sea level, from river-profile map. Prior to Apr. 29, 1914, staff gage at site 0.5 mi upstream at different datum. Apr. 29, 1914 to June 2, 1939, water-stage recorder at site 4,000 ft downstream at different datum. June 3, 1939 to July 29, 1970, water-stage recorder at site 2,500 ft downstream at different datum. July 30, 1970 to July 12, 1983, water stage recorder 60 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above and below station. Also diversion upstream for storage in Otter Creek Reservoir (see station 10188000); flow regulated by reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,030 ft$^3/_s$, May 12, 1941, gage height, 5.05 ft; maximum gage height, 7.35 ft, Aug. 27, 1929, site and datum then in use; minimum, 1.0 ft$^3/_s$, Jan. 25, 1976, gage height, 0.52 ft, datum then in use, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 330 ft$^3/_s$, June 7, 8, gage height, 2.37 ft; minimum daily discharge, 12 ft$^3/_s$, several days in November and December.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	17	e12	e14	16	24	19	41	230	92	108	106
2	44	19	e12	e14	18	21	18	49	234	83	108	101
3	44	21	e12	e14	19	19	18	54	247	85	109	100
4	25	18	e14	e14	18	18	18	91	249	92	109	106
5	21	19	e14	e14	18	18	18	197	315	84	107	106
6	20	18	e14	e14	17	24	18	197	318	74	108	109
7	19	17	e14	e14	17	21	18	201	328	67	109	111
8	16	17	e14	14	17	19	18	202	320	64	109	111
9	14	17	e12	15	17	17	19	201	248	60	106	107
10	14	17	e12	16	17	17	19	197	236	56	107	111
11	15	18	e12	16	17	18	18	195	178	56	110	109
12	16	18	e12	16	17	24	18	196	183	55	101	106
13	17	18	e12	15	17	21	23	201	188	55	102	107
14	18	e17	e13	15	17	19	33	222	260	57	107	105
15	22	e16	e13	15	e17	19	34	227	273	53	108	105
16	25	e15	e13	e16	17	18	38	225	275	49	107	106
17	24	e14	e13	e18	17	18	38	224	268	47	109	106
18	22	e13	e13	e18	17	18	35	225	261	52	108	106
19	21	e13	e13	e17	17	18	26	225	258	60	105	105
20	21	e13	e14	e16	17	18	27	221	251	60	104	105
21	18	e13	e14	e16	17	18	27	229	180	58	108	105
22	18	e13	e14	e16	17	18	27	291	179	53	113	103
23	17	e13	e14	e16	17	18	26	300	148	53	112	103
24	17	e13	e14	e16	17	18	24	306	76	52	111	105
25	17	e13	e15	15	17	17	23	303	79	52	107	106
26	17	e13	e15	16	17	17	25	233	87	51	103	105
27	17	e12	15	17	17	17	26	230	87	63	106	106
28	17	e12	15	17	36	17	27	226	93	116	105	108
29	17	e12	15	16	---	17	24	230	101	105	106	106
30	17	e12	15	15	---	18	22	233	104	104	106	99
31	17	---	14	16	---	18	---	230	---	107	106	---
TOTAL	653	461	418	481	499	582	724	6402	6254	2115	3324	3174
MEAN	21.1	15.4	13.5	15.5	17.8	18.8	24.1	207	208	68.2	107	106
MAX	46	21	15	18	36	24	38	306	328	116	113	111
MIN	14	12	12	14	16	17	18	41	76	47	101	99
AC-FT	1300	914	829	954	990	1150	1440	12700	12400	4200	6590	6300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1995, BY WATER YEAR (WY)

MEAN	37.2	27.2	22.5	22.2	25.4	37.7	75.5	165	149	166	133	85.6
MAX	241	151	128	156	146	171	398	1109	551	365	334	242
(WY)	1923	1985	1939	1939	1986	1983	1942	1922	1983	1915	1917	1917
MIN	9.12	8.97	8.25	7.00	7.19	11.7	15.0	28.4	28.0	31.3	18.0	18.4
(WY)	1962	1965	1973	1960	1977	1956	1935	1945	1957	1936	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1914 - 1995	
ANNUAL TOTAL	29812		25087			
ANNUAL MEAN	81.7		68.7		79.2	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	230	Jul 10	328	Jun 7	1740	May 12 1941
LOWEST DAILY MEAN	12	Nov 27	12	Nov 27	5.5	Feb 25 1977
ANNUAL SEVEN-DAY MINIMUM	12	Nov 27	12	Nov 27	5.5	Feb 25 1977
ANNUAL RUNOFF (AC-FT)	59130		49760		57350	
10 PERCENT EXCEEDS	202		201		209	
50 PERCENT EXCEEDS	77		22		33	
90 PERCENT EXCEEDS	14		14		13	

e Estimated

10191000 PIUTE RESERVOIR NEAR MARYSVALE, UT

LOCATION.--Lat 38°19'26", long 112°11'26", in NW¼NE¼NW¼ sec. 3, T. 29 S., R. 3 W., Piute County, Hydrologic Unit 16030001, at Piute Dam on Sevier River, 9.0 mi south of Marysvale.

DRAINAGE AREA.--2,438 mi^2.

PERIOD OF RECORD.--March 1914 to September 1995 (discontinued).

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

GAGE.--Staff gage read at irregular intervals and end of each month. Datum of gage is 5,900.8 ft above sea level (levels by Office of State Engineer).

REMARKS.--Reservoir is formed by earthfill dam; storage began in summer of 1910. Capacity, 71,830 acre-ft between elevation 5,910.8 ft (approximate bottom of reservoir) and elevation 5,976.8 ft (top of flashboards on spillway since 1941). Spillway crest is at elevation 5,971.0 ft. No dead storage. Water is used for irrigation.

COOPERATION.--Elevation record provided by Sevier River Commissioner. Revised capacity table, based on Soil Conservation Service survey in 1960, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 83,050 acre-ft, June 5, 1983, elevation, 5,980.6 ft; no contents at times many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 72,890 acre-ft, June 30, elevation, 5,977.2 ft; minimum observed, 14,840 acre-ft, Oct. 6, elevation, 5,944.2 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	5,943.3	13,790	--
Oct. 31	5,948.0	19,560	+5,770
Nov. 30	5,954.8	29,310	+9,750
Dec. 31	5,961.4	40,200	+10,890
CAL YR 1994	--	--	-16,600
Jan. 31	5,967.0	50,450	+10,250
Feb. 28	5,971.7	59,930	+9,480
Mar. 31	5,976.6	71,310	+11,380
Apr. 30	5,975.8	69,260	-2,050
May 31	5,976.2	70,290	+1,030
June 30	5,977.2	72,890	+2,600
July 31	5,975.2	67,810	-5,080
Aug. 31	5,965.2	47,060	-20,750
Sept. 30	5,960.5	38,640	-8,420
WTR YR 1995	--	--	+24,850

10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UTAH

LOCATION.--Lat 38°19'43", long 112°11'30", in NW$^1/_4$SW$^1/_4$SE$^1/_4$ sec. 34, T. 28 S., R. 3 W., Piute County, Hydrologic Unit 16030003, on left bank 0.25 mi downstream from Piute Dam and 8.5 mi south of Marysvale.

DRAINAGE AREA.--2,441 mi^2.

PERIOD OF RECORD.--May to August 1911, May 1912 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,870 ft above sea level, by barometer. Prior to May 4, 1912, nonrecording gage at site 0.25 mi upstream at different datums. May 4, 1912, to Mar. 31, 1935, water-stage recorder at site 0.05 mi upstream at different datum. Apr. 1, 1935, to Apr. 7, 1936, at datum 0.7 ft higher. Apr. 8, 1936, to Feb. 25, 1970, at datum 0.5 ft higher. Feb. 26, 1970, to Apr. 22, 1979 at site 0.25 mi downstream at different datum. Apr. 22, 1979, to Sept. 30, 1985, at datum 10.0 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Piute Reservoir (see station 10191000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft$^3/_s$, May 23, 24, 1922, gage height, 4.45 ft site and datum then in use; practically no flow at times when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,370 ft$^3/_s$, June 10-11, gage height 13.15 ft; minimum daily discharge, 4.2 ft$^3/_s$, Dec. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	51	5.1	4.8	5.1	5.7	6.4	379	752	835	563	569
2	28	52	4.9	4.8	5.1	5.7	106	379	683	1120	561	569
3	18	53	4.4	4.8	5.1	5.7	180	383	691	1200	561	569
4	32	49	4.4	4.8	5.1	5.6	179	385	704	1100	559	534
5	22	40	4.4	4.8	5.1	5.5	180	385	762	812	554	468
6	13	16	4.4	4.8	5.1	5.7	173	389	820	773	554	443
7	11	12	4.4	4.8	5.4	5.7	144	387	904	489	582	428
8	6.2	8.0	4.4	4.8	5.3	5.7	144	391	971	489	652	423
9	5.5	7.5	4.4	4.8	5.3	5.7	144	333	1120	347	707	382
10	7.8	7.1	4.5	4.8	5.4	5.7	144	276	1270	207	695	330
11	20	7.0	4.7	4.8	5.4	5.8	138	290	1340	206	684	256
12	16	6.8	4.7	4.8	5.4	5.7	131	301	1290	204	676	269
13	15	6.8	4.7	4.8	5.3	5.8	112	302	1170	203	673	280
14	15	6.6	4.5	4.9	5.4	5.7	102	364	966	203	651	279
15	28	6.4	4.4	4.9	5.4	7.5	102	464	871	206	577	276
16	39	6.2	4.2	5.0	5.4	9.2	107	538	880	208	574	278
17	39	6.0	4.4	5.1	5.4	7.8	113	555	939	208	543	299
18	39	5.9	4.4	5.1	5.4	6.7	121	561	1020	208	522	327
19	27	5.6	4.4	5.1	5.4	6.2	150	568	1010	216	540	332
20	16	5.4	4.5	4.9	5.4	6.2	144	624	948	247	592	267
21	15	5.4	4.8	5.0	5.4	5.9	151	675	896	247	597	279
22	15	5.4	4.5	5.0	5.4	5.8	196	712	891	247	586	304
23	14	5.3	4.5	5.1	5.4	5.7	214	720	766	247	551	309
24	14	5.1	4.7	5.1	5.4	5.7	220	827	609	244	534	302
25	29	5.1	4.8	5.1	5.5	5.7	220	878	590	245	504	256
26	44	5.1	4.8	5.1	5.4	5.7	220	917	532	267	448	238
27	39	5.1	4.8	5.1	5.5	5.7	246	881	e450	354	454	254
28	29	5.1	4.8	4.8	5.7	6.0	299	876	e350	426	469	266
29	26	5.1	4.8	4.9	---	6.1	378	876	203	449	496	254
30	38	5.1	4.8	5.1	---	6.2	379	870	418	494	538	189
31	51	---	4.8	5.1	---	6.3	---	811	---	532	571	---
TOTAL	749.5	410.1	142.3	152.8	149.6	188.1	5143.4	17297	24816	13233	17768	10229
MEAN	24.2	13.7	4.59	4.93	5.34	6.07	171	558	827	427	573	341
MAX	51	53	5.1	5.1	5.7	9.2	379	917	1340	1200	707	569
MIN	5.5	5.1	4.2	4.8	5.1	5.5	6.4	276	203	203	448	189
AC-FT	1490	813	282	303	297	373	10200	34310	49220	26250	35240	20290

CAL YR 1994 TOTAL 71920.1 MEAN 197 MAX 642 MIN 4.2 AC-FT 142700
WTR YR 1995 TOTAL 90278.8 MEAN 247 MAX 1340 MIN 4.2 AC-FT 179100

e Estimated

10194000 SEVIER RIVER ABOVE CLEAR CREEK, NEAR SEVIER, UT

LOCATION.--Lat 38°34'20", long 112°15'27", in $NE^1/_4NW^1/_4NE^1/_4$ sec. 5, T. 26 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on right bank 0.6 mi upstream from bridge on U.S. Highway 89, 0.7 mi upstream from Clear Creek, and 1.0 mi south of Sevier.

DRAINAGE AREA.--2,707 mi^2.

PERIOD OF RECORD.--May 1911 to November 1916 (published as Sevier River at Sevier), April 1939 to September 1955, October 1960 to September 1995 (discontinued). Records for November 1916 to September 1929 (published as Sevier River at Sevier) include flow of Clear Creek and are not equivalent.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,560 ft above sea level, by barometer. Prior to May 16, 1912, nonrecording gage, and May 16, 1912, to Nov. 15, 1916, water-stage recorder, at site 0.8 mi downstream at different datums (datum lowered 1.0 ft Mar. 31, 1913).

REMARKS.--Records good except those for estimated daily discharges, which are poor. Many diversions above station for irrigation. Flow regulated by Piute Reservoir.

EXTREMES FOR PERIOD OF RECORD.--(Not including flow of Clear Creek):Maximum discharge, 2,500 $ft^3/_s$, June 3, 1983, gage height, 4.82 ft; minimum, 2.3 $ft^3/_s$, Dec. 13, 1964, 1916-29 (including flow of Clear Creek):Maximum discharge, 2,800 $ft^3/_s$, during last week of May 1922, computed on basis of records for station near Marysvale; minimum daily discharge, 5.8 $ft^3/_s$, Jan. 11, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,650 $ft^3/_s$, June 14-15, gage height, 3.44 ft; minimum daily discharge, 18 $ft^3/_s$, Jan. 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	59	27	24	22	32	22	398	880	934	552	567
2	47	59	27	e24	21	32	22	425	917	1180	554	574
3	40	62	26	e25	21	28	108	424	946	1370	555	574
4	37	61	25	e26	21	26	165	416	962	1500	550	566
5	41	59	26	27	21	28	171	416	1020	1400	543	502
6	37	53	25	26	21	33	174	417	1160	1180	539	472
7	30	39	24	26	21	28	160	413	1190	1040	546	454
8	28	33	e24	24	21	26	144	414	1160	850	571	452
9	24	28	e23	24	21	25	146	408	1180	801	644	431
10	21	26	e23	24	21	24	147	311	1240	560	663	392
11	20	24	e23	23	21	26	146	303	1330	516	659	355
12	30	25	e24	24	22	28	138	357	1460	520	651	347
13	29	26	e27	23	21	27	133	346	1570	489	641	341
14	33	24	e26	23	23	25	115	343	1620	409	631	336
15	38	28	e27	23	26	24	110	441	1580	361	577	334
16	43	25	e24	23	24	23	111	543	1460	346	549	329
17	52	22	e23	21	23	27	120	576	1330	347	540	334
18	50	22	e23	e18	22	28	124	590	1290	347	500	360
19	52	22	e24	e19	22	26	145	592	1260	340	490	376
20	44	e21	e25	e20	22	26	153	606	1270	351	534	344
21	34	e22	e26	e22	22	26	150	729	1250	353	566	302
22	32	e22	e26	23	22	24	170	813	1240	347	572	323
23	31	e22	26	24	22	24	205	872	1230	338	581	346
24	30	e23	26	23	21	24	226	838	1030	332	538	337
25	30	e23	26	23	21	25	228	889	982	328	517	318
26	39	e21	24	23	22	25	228	942	973	329	473	272
27	51	e23	24	23	23	23	228	954	851	355	450	263
28	48	e22	24	22	26	23	259	932	835	428	462	287
29	44	e24	24	21	---	23	342	949	701	468	488	288
30	41	e26	24	21	---	23	395	942	557	480	506	261
31	48	---	24	21	---	22	---	914	---	501	558	---
TOTAL	1173	946	770	713	616	804	4985	18513	34474	19100	17200	11437
MEAN	37.8	31.5	24.8	23.0	22.0	25.9	166	597	1149	616	555	381
MAX	52	62	27	27	26	33	395	954	1620	1500	663	574
MIN	20	21	23	18	21	22	22	303	557	328	450	261
AC-FT	2330	1880	1530	1410	1220	1590	9890	36720	68380	37880	34120	22690

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1995, BY WATER YEAR (WY)

MEAN	107	82.8	61.9	59.8	128	150	218	470	473	447	370	192
MAX	312	303	492	383	579	430	549	977	2058	786	555	455
(WY)	1984	1984	1985	1984	1984	1984	1985	1983	1983	1983	1995	1985
MIN	37.8	29.1	7.38	9.22	16.0	19.6	29.1	251	120	196	97.3	38.1
(WY)	1995	1990	1979	1979	1975	1971	1968	1964	1963	1961	1961	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1961 - 1995	
ANNUAL TOTAL	76984		110731			
ANNUAL MEAN	211		303		231	
HIGHEST ANNUAL MEAN					529	1983
LOWEST ANNUAL MEAN					112	1961
HIGHEST DAILY MEAN	625	Apr 26	1620	Jun 14	2450	Jun 2 1983
LOWEST DAILY MEAN	20	Oct 11	18	Jan 18	5.8	Jan 11 1979
ANNUAL SEVEN-DAY MINIMUM	22	Nov 17	21	Jan 15	6.0	Jan 6 1979
ANNUAL RUNOFF (AC-FT)	152700		219600		167000	
10 PERCENT EXCEEDS	481		923		531	
50 PERCENT EXCEEDS	139		61		152	
90 PERCENT EXCEEDS	25		22		22	

e Estimated

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

LOCATION.--Lat 38°34'45", long 112°17'22", in $NW^1/_4NW^1/_4SW^1/_4$ sec. 31, T. 25 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on left bank, on State Highway 4, 1.8 mi west of Sevier, 2.3 mi upstream from mouth, and 17.2 mi southwest of Richfield.

DRAINAGE AREA.--164 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,680 ft above sea level, from topographic map. Prior to Nov. 5, 1993, 200 ft upstream at datum 3.0 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Slight regulation from several small reservoirs at headwaters, total combined capacity about 1,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 906 $ft^3/_s$, Aug. 26, 1988, gage height, 2.40 ft, datum then in use, from rating curve extended above 400 $ft^3/_s$; minimum, 1.5 $ft^3/_s$, Feb. 21, 1976, gage height, 0.85 ft, datum then in use, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 441 $ft^3/_s$, June 6, gage height, 4.09 ft; minimum daily discharge, 6.8 $ft^3/_s$, Jan. 18, result of freezeup.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	14	10	e17	44	37	161	230	210	83	24
2	12	17	15	e11	17	43	41	e300	292	218	81	24
3	15	17	17	11	17	39	42	282	350	205	79	25
4	21	14	18	14	16	40	40	232	372	193	78	23
5	16	19	18	16	17	42	41	208	361	179	75	22
6	17	18	17	16	17	44	46	188	387	170	77	23
7	16	19	17	15	18	33	49	164	340	179	64	24
8	15	17	11	15	19	36	54	160	289	176	61	24
9	14	16	e9.0	16	18	40	56	148	244	174	62	26
10	13	16	7.8	16	16	44	56	150	208	175	59	22
11	e14	16	11	16	18	63	61	170	196	176	57	21
12	13	16	12	15	17	52	64	269	241	174	55	21
13	13	16	15	15	16	43	71	242	320	169	52	23
14	18	9.2	15	15	23	40	75	199	349	140	50	26
15	23	11	15	15	13	41	76	192	353	121	45	e24
16	22	19	13	15	19	51	72	184	309	111	39	e22
17	20	16	15	13	20	53	74	179	264	115	36	e25
18	19	17	15	6.8	18	53	82	174	232	114	33	e22
19	21	15	15	12	18	59	89	175	214	112	32	e20
20	18	13	13	13	18	60	91	197	231	105	32	16
21	18	18	13	16	21	58	86	218	241	100	39	e22
22	18	16	15	16	23	61	84	260	233	94	40	e23
23	18	8.2	17	15	26	54	84	270	235	88	39	e23
24	18	14	17	17	28	49	104	278	221	84	36	e21
25	18	18	17	16	31	45	132	249	239	82	33	e18
26	16	16	16	16	31	43	135	243	243	78	31	12
27	16	13	16	16	37	40	129	220	248	91	29	15
28	16	16	16	13	42	38	124	202	250	93	28	17
29	16	10	15	15	---	37	125	196	233	91	26	20
30	16	13	15	14	---	35	161	186	221	90	25	21
31	15	---	9.1	16	---	35	---	195	---	88	24	---
TOTAL	518	459.4	448.9	445.8	591	1415	2381	6491	8146	4195	1500	649
MEAN	16.7	15.3	14.5	14.4	21.1	45.6	79.4	209	272	135	48.4	21.6
MAX	23	19	18	17	42	63	161	300	387	218	83	26
MIN	12	8.2	7.8	6.8	13	33	37	148	196	78	24	12
AC-FT	1030	911	890	884	1170	2810	4720	12870	16160	8320	2980	1290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1995, BY WATER YEAR (WY)

MEAN	13.1	12.2	10.7	10.4	13.4	22.6	55.6	135	110	39.5	18.2	13.6
MAX	26.8	21.6	19.4	21.4	35.3	48.5	197	481	322	135	51.4	30.5
(WY)	1985	1985	1967	1984	1984	1986	1984	1984	1983	1995	1984	1984
MIN	6.62	7.30	4.29	4.50	5.86	10.1	10.9	21.9	21.1	8.01	4.74	4.20
(WY)	1960	1978	1978	1978	1978	1964	1963	1977	1959	1959	1977	1959

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1958 - 1995	
ANNUAL TOTAL	9836.9		27240.1			
ANNUAL MEAN	27.0		74.6		37.9	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	118	May 16	387	Jun 6	633	May 24 1984
LOWEST DAILY MEAN	5.9	Jan 31	6.8	Jan 18	1.8	Jan 26 1979
ANNUAL SEVEN-DAY MINIMUM	7.7	Sep 8	12	Dec 8	2.4	Aug 29 1978
ANNUAL RUNOFF (AC-FT)	19510		54030		27470	
10 PERCENT EXCEEDS	68		221		94	
50 PERCENT EXCEEDS	16		31		15	
90 PERCENT EXCEEDS	9.0		14		7.6	

e Estimated

10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'24", long 111°57'14", in SW$^1/_4$NE$^1/_4$SW$^1/_4$ sec. 19, T. 22 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on left bank 200 ft downstream from county road bridge, 0.5 mi downstream from Rocky Ford Dam, 2.3 mi northeast of Sigurd, and 5.0 mi upstream from Lost Creek.

DRAINAGE AREA.--3,375 mi^2.

PERIOD OF RECORD.--July to September 1912, July 1914 to current year. Prior to October 1938, published as "near Vermillion."

REVISED RECORDS.--WSP 1394: 1927-28, 1947.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above sea level, by barometer. July to September 1912, nonrecording gage 0.3 mi downstream at different datum. July 31, 1914, to Apr. 19, 1917, nonrecording gage and Apr. 20, 1917, to Oct. 16, 1935, water-stage recorder, at present site at datum 1.5 ft higher, Oct. 16, 1935, to Oct. 16, 1990, at datum 3.5 ft higher.

REMARKS.--No estimated daily discharges. Records good except those for discharges less than 5 ft$^3/_s$, which are poor. Flow regulated by reservoirs above station. During irrigation season practically entire flow through Rocky Ford Dam is diverted above station for irrigation below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft$^3/_s$, May 30, 1922, gage height, 9.6 ft, present datum, from rating curve extended above 600 ft$^3/_s$ on basis of maximum discharge for other Sevier River stations; practically no flow (seepage only) at times when Rocky Ford Reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,310 ft$^3/_s$, June 15, gage height, 8.33 ft; minimum daily discharge, 2.8 ft$^3/_s$, Apr. 24-25.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	82	112	108	115	134	71	68	682	217	39	15
2	60	92	113	104	115	128	53	100	765	340	40	27
3	62	98	117	100	114	90	51	107	819	540	42	48
4	46	107	122	106	113	96	67	110	837	585	46	52
5	41	114	128	106	112	98	137	110	882	692	43	25
6	60	123	135	110	112	100	164	109	965	790	40	19
7	74	120	135	112	113	85	194	109	1010	707	37	20
8	80	117	127	116	114	52	176	109	1070	475	36	21
9	82	106	111	120	114	45	150	109	1200	421	35	32
10	81	97	100	121	114	47	147	111	1210	316	33	48
11	68	94	107	122	113	52	131	103	1210	175	36	73
12	49	91	108	121	114	101	122	87	1150	161	48	109
13	43	90	108	119	115	139	113	234	1100	189	63	123
14	60	82	112	116	116	152	80	297	1140	177	84	113
15	81	81	111	116	119	146	48	274	1230	99	91	83
16	86	82	108	116	118	126	45	278	1270	83	82	81
17	146	95	109	116	122	105	40	373	1230	98	62	77
18	130	101	113	111	123	69	36	447	1200	95	55	70
19	105	104	114	106	120	70	36	418	1120	95	47	66
20	98	97	112	107	119	92	35	407	1000	67	34	72
21	95	105	108	110	119	105	33	412	839	43	23	70
22	89	116	108	113	120	98	13	444	736	32	15	59
23	80	109	109	112	120	103	3.9	495	636	34	11	58
24	80	102	116	110	120	99	2.8	516	635	65	11	64
25	80	111	118	110	121	96	2.8	608	522	82	10	73
26	83	120	124	112	124	96	4.8	772	425	94	9.4	78
27	82	115	126	112	125	95	13	658	424	93	8.8	79
28	88	110	126	111	128	93	15	611	357	64	9.1	78
29	87	112	124	110	---	98	10	612	345	45	13	74
30	87	109	124	109	---	99	8.2	616	280	40	15	76
31	84	---	120	109	---	92	---	639	---	37	16	---
TOTAL	2435	3082	3605	3471	3292	3001	2002.5	10343	26289	6951	1134.3	1883
MEAN	78.5	103	116	112	118	96.8	66.7	334	876	224	36.6	62.8
MAX	146	123	135	122	128	152	194	772	1270	790	91	123
MIN	41	81	100	100	112	45	2.8	68	280	32	8.8	15
AC-FT	4830	6110	7150	6880	6530	5950	3970	20520	52140	13790	2250	3730

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

MEAN	81.4	101	119	128	179	181	136	120	145	34.0	26.1	53.6
MAX	288	310	591	505	693	634	836	972	2002	367	159	335
(WY)	1984	1981	1985	1984	1984	1984	1984	1984	1983	1983	1983	1985
MIN	15.0	34.6	35.4	45.4	61.0	67.0	4.44	4.17	1.47	.88	1.06	.59
(WY)	1952	1957	1957	1964	1956	1972	1972	1957	1953	1954	1963	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1944 - 1995	
ANNUAL TOTAL	33133.8		67488.8			
ANNUAL MEAN	90.8		185		108	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	318	Mar 16	1270	Jun 16	2350	Jun 5 1983
LOWEST DAILY MEAN	1.5	Jul 8	2.8	Apr 24	.00	Oct 3 1955
ANNUAL SEVEN-DAY MINIMUM	1.6	Jul 5	7.5	Apr 23	.03	Oct 3 1955
ANNUAL RUNOFF (AC-FT)	65720		133900		78320	
10 PERCENT EXCEEDS	226		529		234	
50 PERCENT EXCEEDS	81		108		73	
90 PERCENT EXCEEDS	1.8		36		2.1	

10205030 SALINA CREEK NEAR EMERY, UT

LOCATION.--Lat 38°54'43", long 111°31'47", in $SE^1/_4SW^1/_4NW^1/_4$ sec. 12, T. 22 S., R. 3 E., Sevier County, Hydrologic Unit 16030003, on right bank, 2.5 mi upstream from Soil Conservation Service retention dam, 15.3 mi west of Emery, and 18.4 mi east of Salina.

DRAINAGE AREA.--51.8 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 7,000 ft above sea level, from topographic map. Prior to June 9, 1971, at site 300 ft downstream at different datum.

REMARKS.--Records fair 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 July 27, 1989, gage height, 5.85 ft present datum from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.80 ft^3/s Nov. 9, 1977.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 23	0056	126	3.66	June 14	----	a*170	----
June 2	1900	168	3.94				

(a) Maximum peak is an estimated daily discharge.

Minimum daily discharge, 4.5 ft^3/s Jan. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	6.2	e6.0	e5.4	5.6	5.5	6.3	22	96	51	19	17
2	7.2	6.4	e6.4	e5.3	5.5	5.4	6.6	33	125	46	19	18
3	7.3	5.9	6.6	e5.2	5.5	5.4	6.4	26	125	47	19	18
4	6.8	6.2	6.6	e5.3	e5.3	5.6	7.6	28	124	42	19	17
5	6.7	6.0	6.4	e5.7	e5.2	5.7	9.2	28	e130	38	19	17
6	6.7	6.0	6.3	5.8	e5.2	5.4	10	22	e150	35	19	17
7	6.4	6.0	6.1	e5.7	e5.3	e5.2	9.9	20	e130	32	18	16
8	6.4	6.0	e5.5	5.7	5.4	e5.2	9.8	23	e110	32	18	16
9	6.4	5.9	e5.0	5.8	5.1	5.5	8.5	28	e98	34	18	16
10	6.4	6.0	e4.8	6.0	5.0	5.7	7.9	32	e105	31	20	16
11	6.4	5.8	e5.1	5.8	5.3	6.0	8.9	35	e115	29	23	16
12	6.4	5.7	e5.5	5.4	5.3	6.1	9.1	37	e130	27	20	15
13	6.4	5.9	e5.5	5.4	5.1	5.7	10	29	e140	27	20	15
14	6.6	e5.7	e5.8	5.1	e5.1	5.7	9.6	30	e170	25	19	15
15	6.7	e5.5	6.0	5.1	e5.1	6.0	8.4	36	e150	24	18	15
16	6.7	e5.8	e5.7	5.1	e5.2	6.1	7.6	38	e130	23	19	15
17	6.7	e6.4	e5.9	e5.0	e5.3	7.4	7.4	34	e110	23	19	15
18	7.1	6.9	e6.1	e4.9	e5.3	7.8	7.6	40	e90	24	19	15
19	6.8	6.9	6.2	e4.8	5.4	8.1	7.6	47	e94	22	18	15
20	6.6	e6.7	e6.1	e4.7	5.5	7.4	7.5	59	e98	22	18	15
21	6.4	6.5	e6.1	e4.6	5.6	7.9	7.3	70	e80	21	19	15
22	6.4	e6.0	e6.0	e4.5	5.5	7.4	7.5	76	e72	21	19	15
23	6.2	e5.6	6.0	e4.7	5.6	6.9	8.0	69	70	20	18	15
24	6.4	e6.0	6.0	e5.2	5.7	6.7	8.0	69	67	22	22	15
25	6.5	e6.2	5.8	5.4	5.5	6.4	9.9	62	63	21	21	15
26	6.4	e6.2	5.7	5.4	5.5	6.0	12	67	59	21	18	14
27	6.4	e5.6	5.7	5.4	5.7	7.1	14	52	58	20	18	14
28	6.4	e5.3	e5.6	e5.2	5.5	6.3	15	47	64	20	17	14
29	6.4	e5.1	5.7	e5.0	---	6.5	21	47	58	20	17	14
30	6.1	e5.6	5.7	e5.2	---	6.8	28	51	52	20	21	14
31	7.2	---	e5.5	e5.4	---	7.5	---	69	---	19	18	---
TOTAL	204.6	180.0	181.4	163.2	150.3	196.4	296.6	1326	3063	859	589	464
MEAN	6.60	6.00	5.85	5.26	5.37	6.34	9.89	42.8	102	27.7	19.0	15.5
MAX	7.3	6.9	6.6	6.0	5.7	8.1	28	76	170	51	23	18
MIN	6.1	5.1	4.8	4.5	5.0	5.2	6.3	20	52	19	17	14
AC-FT	406	357	360	324	298	390	588	2630	6080	1700	1170	920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

MEAN	9.90	8.23	7.10	6.48	6.37	7.59	15.0	68.0	48.1	17.5	13.9	11.5
MAX	18.9	16.0	14.1	13.6	10.8	16.0	51.6	275	162	50.3	34.4	25.4
(WY)	1985	1985	1985	1985	1985	1988	1985	1984	1983	1983	1983	1984
MIN	3.57	3.24	3.33	2.58	2.49	4.25	5.31	5.12	3.70	4.67	4.09	3.55
(WY)	1978	1978	1978	1977	1977	1977	1964	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1964 - 1995	
ANNUAL TOTAL	3244.1		7673.5			
ANNUAL MEAN	8.89		21.0		18.4	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	52	May 13	170	Jun 14	434	May 28 1983
LOWEST DAILY MEAN	4.3	Feb 28	4.5	Jan 22	1.5	Dec 30 1982
ANNUAL SEVEN-DAY MINIMUM	4.5	Feb 12	4.7	Jan 17	1.7	Dec 26 1982
ANNUAL RUNOFF (AC-FT)	6430		15220		13310	
10 PERCENT EXCEEDS	14		58		35	
50 PERCENT EXCEEDS	6.8		7.4		9.4	
90 PERCENT EXCEEDS	5.2		5.3		5.0	

e Estimated

10206000 SALINA CREEK AT SALINA, UT

LOCATION.--Lat 38°57'24", long 111°51'58", in $SW^1/_4NW^1/_4NW^1/_4$ sec. 25, T. 21 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on right bank 150 ft upstream from bridge on U.S. Highway 89 in Salina and 0.8 mi upstream from mouth.

DRAINAGE AREA.--292 mi^2.

PERIOD OF RECORD.--April to September 1914 (fragmentary), April 1915 to September 1916, October 1917 to September 1919, November 1942 to September 1955, water year 1960 (annual maximum), October 1960 to September 1995 (discontinued).

REVISED RECORDS.--WSP 1734: Drainage area. WSP 2127: 1953(M), 1960(M), 1965(M). WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,140 ft above sea level, estimated on basis of nearby benchmark. Prior to Mar. 23, 1915, nonrecording gage at site 150 ft downstream at different datum. Mar. 23, 1915, to Oct. 16, 1917, nonrecording gage, and Oct. 17, 1917 to Sept. 30, 1919, water-stage recorder at site about 0.2 mi upstream at different datum.

REMARKS.--Records fair except those for flows less than 2.0 ft^3/s and estimated daily discharges, which are poor. Diversions above and below station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,650 ft^3/s June 7, 1984, gage height, 8.32 ft; no flow at times.

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

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft3/s)	Gage height (ft)
May 2	1600	358	3.82	June 6	0345	*1,140	*5.17
May 12	0900	320	3.75	June 13	0530	851	4.66
May 21	0400	683	4.37				

Minimum daily discharge, 0.49 ft^3/s, Aug. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	14	e9.0	e15	18	19	1.1	42	342	119	.57	.54
2	.81	17	e15	e14	19	19	1.3	222	625	92	.77	1.5
3	1.5	17	17	e14	19	18	1.2	88	611	88	1.3	.91
4	2.6	14	18	e14	17	18	1.3	43	634	79	1.0	.86
5	2.4	16	18	17	17	23	1.2	47	665	59	.86	.76
6	2.2	19	18	17	16	25	1.3	24	741	51	1.1	.80
7	2.1	19	14	16	16	16	1.4	16	395	44	.58	.55
8	1.7	17	e7.0	16	18	18	1.1	14	249	32	.56	.65
9	1.6	15	e6.0	17	16	20	1.1	16	212	32	.53	.79
10	1.3	15	e5.0	17	15	22	1.0	47	174	36	.57	.63
11	1.2	16	e5.0	17	17	29	1.1	84	258	23	.73	.56
12	1.5	16	e6.8	17	16	34	4.9	235	387	21	.94	.57
13	1.2	e12	e12	16	14	26	9.6	102	444	19	.81	.56
14	2.3	e7.5	e9.0	17	17	22	1.3	69	449	15	.60	.60
15	9.2	e6.0	e11	17	10	25	1.0	88	429	11	.59	.67
16	25	e7.5	e11	16	20	25	1.1	138	332	6.6	.57	.62
17	24	e6.0	e12	15	20	29	1.3	105	211	5.0	.84	1.1
18	20	e6.0	e12	12	17	21	2.2	84	196	5.5	1.4	.88
19	18	e5.2	e12	e12	17	20	1.5	169	192	4.8	.75	.96
20	16	e4.9	e13	e12	17	15	1.5	212	190	4.2	.74	.89
21	15	e6.8	e14	e14	18	10	1.6	387	174	4.7	.94	.95
22	16	e7.0	e15	15	19	8.5	1.8	366	152	4.4	1.0	.71
23	14	e6.2	17	16	19	1.2	1.2	219	120	.97	.69	.73
24	15	e7.0	18	17	18	1.3	1.1	263	115	1.3	.97	.91
25	15	e6.6	19	15	20	1.1	1.1	202	116	1.4	.82	.74
26	15	e6.0	17	16	19	.96	1.3	249	103	.79	.66	.71
27	15	e5.0	16	16	19	.93	1.9	199	105	.65	.59	.69
28	14	e6.0	14	15	20	.94	5.3	137	121	.67	.52	.72
29	15	e5.8	18	12	---	1.1	21	153	106	.64	.50	.86
30	14	e6.0	16	14	---	1.0	82	149	98	.82	.49	.84
31	13	---	15	19	---	1.5	---	201	---	.82	.60	---
TOTAL	296.61	312.5	409.8	477	488	472.53	155.8	4370	8946	764.26	23.59	23.26
MEAN	9.57	10.4	13.2	15.4	17.4	15.2	5.19	141	298	24.7	.76	.78
MAX	25	19	19	19	20	34	82	387	741	119	1.4	1.5
MIN	.81	4.9	5.0	12	10	.93	1.0	14	98	.64	.49	.54
AC-FT	588	620	813	946	968	937	309	8670	17740	1520	47	46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1995, BY WATER YEAR (WY)

MEAN	10.5	15.9	13.8	14.0	18.9	21.6	33.1	153	83.3	7.33	5.01	2.78
MAX	59.9	44.0	39.9	35.7	42.1	60.0	187	989	583	76.8	68.4	22.8
(WY)	1985	1985	1984	1986	1986	1986	1984	1984	1983	1984	1984	1983
MIN	2.50	4.66	3.41	3.62	7.82	5.20	.73	.92	.39	.21	.17	.22
(WY)	1965	1977	1991	1991	1978	1963	1967	1977	1977	1961	1976	1962

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1961 - 1995	
ANNUAL TOTAL	4016.59		16739.35			
ANNUAL MEAN	11.0		45.9		31.6	
HIGHEST ANNUAL MEAN					172	1984
LOWEST ANNUAL MEAN					4.37	1961
HIGHEST DAILY MEAN	169	May 14	741	Jun 6	1620	May 13 1984
LOWEST DAILY MEAN	.19	Jul 1	.49	Aug 30	.00	Aug 13 1962
ANNUAL SEVEN-DAY MINIMUM	.31	Jun 27	.56	Aug 26	.05	Aug 20 1976
ANNUAL RUNOFF (AC-FT)	7970		33200		22920	
10 PERCENT EXCEEDS	23		142		62	
50 PERCENT EXCEEDS	5.8		14		9.6	
90 PERCENT EXCEEDS	.51		.75		.64	

e Estimated

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE$^1/_4$SE$^1/_4$SE$^1/_4$ sec. 9, T. 18 S., R. 3 E., Sanpete County, Hydrologic Unit 16030004, on right bank 200 ft downstream from a side road bridge 0.6 mi upstream from upper powerplant, 2.3 mi east of cattle guard at Manti-LaSal forest boundary, and 3.5 mi east of Manti.

DRAINAGE AREA.--26.4 mi^2.

PERIOD OF RECORD.--October 1964 to September 1974; October 1978 to current year.

REVISED RECORDS.--WRD UT-81-1: 1979, 1980(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,800 ft above sea level, from topographic map.

REMARKS.--Records poor. Records do not include flow diverted around station in an 8-inch pipeline, for culinary water for the city of Manti, and generation of power at the upper powerplant. Records include flow of a small transmountain diversion from San Rafael River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 705 ft$^3/_s$ June 28, 1995, gage height, 5.49 ft; minimum, 0.9 ft$^3/_s$ Nov. 3, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)
May 2	0202	143	4.03	June 28	1849	*705	*5.49
May 21	2108	137	4.00	Aug. 21	1738	77	3.77
June 6	0212	378	4.83	Sept. 2	1831	88	3.84
June 16	0001	486	5.09				

Minimum daily discharge, 4.4 ft$^3/_s$ Nov. 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.2	6.3	5.9	e4.7	e5.1	6.7	e5.2	35	127	439	63	24
2	e6.0	6.1	6.0	e4.6	e5.0	6.6	e5.6	79	189	445	59	32
3	e7.0	5.9	6.0	e4.5	e5.0	6.4	e5.4	44	195	402	58	29
4	e6.6	6.9	6.1	e4.7	e4.8	e6.4	e8.6	39	209	301	54	28
5	e6.2	7.0	5.9	5.0	e4.8	6.5	14	37	247	287	51	27
6	e6.4	6.5	5.8	4.8	e5.0	6.3	17	30	270	290	48	27
7	e6.6	6.4	e5.6	4.8	e5.2	e5.9	18	28	230	334	46	33
8	e6.3	6.0	e5.5	4.8	5.4	e5.8	18	28	218	287	44	32
9	e6.2	5.9	e5.3	4.9	5.4	e5.9	15	30	181	254	43	30
10	e6.1	6.0	e5.2	4.8	5.2	e6.0	16	36	169	243	45	29
11	e6.0	5.9	e5.5	5.0	5.1	e6.2	16	46	183	226	46	31
12	e6.0	6.1	5.9	5.0	5.3	e6.5	16	53	250	236	43	33
13	e6.0	4.7	5.7	5.0	5.2	e6.2	17	42	e280	207	40	32
14	6.2	e4.6	5.4	5.0	4.9	e6.2	17	48	e320	176	40	31
15	6.9	e4.4	5.4	5.0	e5.3	e6.5	16	54	e370	142	38	28
16	6.7	e5.0	5.2	5.0	e5.7	e6.4	15	54	406	127	38	27
17	6.8	e5.5	5.3	4.9	6.1	e6.6	14	50	312	119	36	27
18	7.0	e6.4	5.3	5.2	5.8	e6.8	15	54	223	111	32	27
19	7.2	e6.2	5.2	4.9	5.8	e7.0	15	65	e248	103	30	25
20	7.4	e6.0	5.1	4.9	6.3	e6.6	14	86	256	101	30	25
21	7.6	6.4	5.2	4.8	6.6	e6.9	14	107	255	94	39	24
22	7.3	5.9	5.2	4.7	6.8	e6.6	13	117	271	88	45	23
23	7.1	e5.6	5.2	4.7	6.9	e6.3	13	112	387	81	41	23
24	6.8	e5.8	5.3	4.8	7.3	e6.0	14	110	333	78	39	23
25	6.6	5.9	5.2	4.9	7.2	e5.5	17	105	443	77	32	18
26	6.5	6.0	5.2	5.0	6.9	e4.9	18	109	453	76	30	18
27	6.5	5.8	5.1	4.9	7.0	e5.3	19	92	538	72	29	17
28	6.5	5.7	5.3	e4.7	6.9	e5.0	19	79	547	72	28	18
29	6.3	5.5	5.2	e4.5	---	e5.1	24	76	546	75	26	19
30	5.7	5.6	5.0	e4.7	---	e5.2	58	79	466	72	24	19
31	5.8	---	e4.8	4.9	---	e5.5	---	100	---	70	24	---
TOTAL	202.5	176.0	168.0	150.1	162.0	189.8	486.8	2024	9122	5685	1241	779
MEAN	6.53	5.87	5.42	4.84	5.79	6.12	16.2	65.3	304	183	40.0	26.0
MAX	7.6	7.0	6.1	5.2	7.3	7.0	58	117	547	445	63	33
MIN	5.7	4.4	4.8	4.5	4.8	4.9	5.2	28	127	70	24	17
AC-FT	402	349	333	298	321	376	966	4010	18090	11280	2460	1550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1979-95, BY WATER YEAR (WY)

MEAN	8.39	6.67	5.26	4.78	4.67	6.10	18.4	97.4	142	46.6	17.5	11.1
MAX	18.6	12.5	9.85	8.79	8.46	12.3	87.4	232	317	183	42.3	26.0
(WY)	1984	1985	1984	1984	1984	1986	1985	1984	1983	1995	1983	1995
MIN	4.32	3.77	3.35	3.05	3.13	3.22	5.46	47.1	32.2	11.9	5.75	4.47
(WY)	1990	1993	1979	1981	1967	1991	1967	1990	1966	1966	1966	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965-74, 1979-95	
ANNUAL TOTAL	6334.2		20386.2			
ANNUAL MEAN	17.4		55.9		30.8	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					14.1	1989
HIGHEST DAILY MEAN	141	May 28	547	Jun 28	547	Jun 28 1995
LOWEST DAILY MEAN	4.2	Feb 22	4.4	Nov 15	2.4	Jan 8 1981
ANNUAL SEVEN-DAY MINIMUM	4.4	Feb 19	4.7	Dec 31	2.6	Jan 8 1981
ANNUAL RUNOFF (AC-FT)	12560		40440		22300	
10 PERCENT EXCEEDS	34		208		79	
50 PERCENT EXCEEDS	6.4		7.3		8.5	
90 PERCENT EXCEEDS	4.9		5.0		4.0	

e Estimated

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

LOCATION.--Lat 39°09'19", long 111°52'37", in $NE^1/_4NE^1/_4SE^1/_4$ sec. 14, T. 19 S., R. 1 W., Sanpete County, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 mi^2.

PERIOD OF RECORD.--March 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above sea level, from topographic map. Prior to Oct. 28, 1938, at same site at datum 0.36 ft higher. April 16, 1986, to June 6, 1989 at site approximately 1.0 mi downstream at different datum.

REMARKS.--Records good except those 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, July 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,290 ft^3/s, June 15, gage height, 9.17 ft; minimum daily discharge, 58 ft^3/s, Sept. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	161	224	200	226	218	128	167	1500	1530	97	70
2	127	164	281	191	229	231	102	343	1720	1460	100	71
3	138	183	249	193	229	207	91	439	2220	1630	105	e80
4	151	186	255	197	226	170	93	406	2330	1810	114	e84
5	138	190	266	210	222	184	110	408	2490	1840	114	e70
6	130	196	272	213	221	203	163	349	e2730	2050	154	e60
7	147	203	271	215	222	184	197	309	e2800	2040	83	e58
8	155	196	249	219	226	151	229	274	2690	1760	111	e59
9	168	193	224	228	228	112	226	264	2560	1420	87	e64
10	153	180	197	235	226	86	198	285	2600	1190	87	e80
11	138	171	197	236	228	109	194	319	2670	809	84	e110
12	152	177	213	234	229	135	178	408	2860	574	88	e125
13	135	190	218	227	229	194	170	462	3010	465	95	129
14	139	196	218	224	233	211	160	497	3090	485	112	141
15	156	186	219	225	224	230	151	501	3190	475	127	138
16	193	176	213	228	220	237	178	482	3150	408	137	124
17	214	185	210	223	236	232	154	505	3140	405	133	125
18	261	214	216	209	250	210	141	596	3080	407	119	140
19	233	217	219	194	244	157	140	690	3000	390	114	136
20	207	212	217	200	238	166	140	744	2950	363	104	149
21	193	213	210	214	237	183	140	825	2820	300	105	152
22	193	230	209	215	240	184	134	852	2750	244	89	147
23	186	225	217	206	241	159	123	853	2550	174	92	136
24	174	218	222	219	242	147	111	895	2270	128	95	142
25	164	224	238	218	256	142	100	984	2080	135	93	143
26	164	240	243	222	265	137	98	e1400	1780	143	93	155
27	167	241	244	222	263	135	97	e1500	1640	158	84	167
28	164	236	239	218	196	128	106	e1450	1640	153	e84	172
29	171	226	239	208	---	131	110	e1440	1630	123	e88	180
30	161	223	236	198	---	138	150	e1450	1560	105	e88	202
31	161	---	222	209	---	131	---	e1470	---	100	82	---
TOTAL	5144	6052	7147	6650	6526	5242	4312	21567	74500	23274	3158	3609
MEAN	166	202	231	215	233	169	144	696	2483	751	102	120
MAX	261	241	281	236	265	237	229	1500	3190	2050	154	202
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 1995, BY WATER YEAR (WY)												
MEAN	193	235	266	271	331	356	285	379	390	125	109	133
MAX	783	760	1028	868	1141	1443	1670	3606	4308	1624	591	499
(WY)	1984	1984	1984	1984	1984	1984	1984	1984	1983	1983	1983	1983
MIN	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	41.0	25.7	16.2	17.2
(WY)	1935	1935	1932	1935	1935	1935	1966	1961	1940	1960	1934	1934

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1918 - 1995	
ANNUAL TOTAL	58365		167181			
ANNUAL MEAN	160		458		255	
HIGHEST ANNUAL MEAN					1346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	370	Jan 30	3190	Jun 15	5400	May 29 1984
LOWEST DAILY MEAN	15	Aug 2	58	Sep 7	6.0	Jul 18 1977
ANNUAL SEVEN-DAY MINIMUM	15	Jul 30	68	Sep 3	6.6	Jul 14 1977
ANNUAL RUNOFF (AC-FT)	115800		331600		185000	
10 PERCENT EXCEEDS	298		1510		472	
50 PERCENT EXCEEDS	164		209		187	
90 PERCENT EXCEEDS	29		103		59	

e Estimated

10218500 SEVIER BRIDGE RESERVOIR NEAR JUAB, UT

LOCATION.--Lat 39°22'20", long 112°01'57", in $NW^1/_4NW^1/_4NW^1/_4$ sec. 1, T. 17 S., R. 2 W., Juab County, Hydrologic Unit 16030003, at Sevier Bridge Dam on Sevier River, 9.0 mi northeast of Scipio.

DRAINAGE AREA.--5,155 mi^2.

PERIOD OF RECORD.--January 1914 to September 1995 (discontinued).

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

GAGE.--Staff gage below gage height 60 ft and wire-weight gage above, at left end of dam. Datum of gage is 4,937.51 ft above sea level.

REMARKS.--Reservoir was formed by a 30-ft earthfill dam. Storage began about 1904. Dam ultimately raised to 90 ft by June 1916. Capacity, 236,000 acre-ft between elevation 4,946.9 ft and elevation 5,017.5 ft (top of flashboard on spillway). No dead storage. Water is used for irrigation.

COOPERATION.--Elevation record provided by Sevier River Commissioner. Revised capacity table, based on Soil Conservation Service survey in 1961, used since Oct. 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 271,600 acre-ft, June 21-24, 1983; elevation, 5,020.5 ft; no storage at times in 1927-28, 1930-36, 1951, 1960-61.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 234,000 acre-ft, July 2, 3, elevation, 5,017.3 ft; minimum contents observed, 55,400 acre-ft, Oct. 1, elevation, 4,985.2 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	--	*55,370	--
Oct. 31	--	*66,390	+11,020
Nov. 30	--	*79,960	+13,570
Dec. 31	--	*93,110	+13,150
CAL YR 1994	--	--	-25,090
Jan. 31	--	*108,400	+15,290
Feb. 28	--	*121,300	+12,900
Mar. 31	--	*131,900	+10,600
Apr. 30	--	*129,900	-2,000
May 31	--	*150,300	+20,400
June 30	--	*231,400	+81,100
July 31	--	*223,800	-7,600
Aug. 31	--	*179,100	-44,700
Sept. 30	--	*171,800	-7,300
WTR YR 1995	--	--	+116,430

(*) No end-of-month gage height reading, contents interpolated.

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in $SE^1/_4SW^1/_4SE1/4$ sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi^2.

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since Apr. 16, 1914. Elevation of gage is 4,940 ft above sea level, by barometer. Prior to Apr. 16, 1914, staff gage 500 ft upstream at different datum. Apr. 16, 1914 to Apr. 7, 1938, water-stage recorder at present site and datum. Apr. 8, 1938 to Mar. 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. Apr. 1, 1942 to June 15, 1961, water-stage recorder on left bank same site and datum. Since June 16, 1961 water-stage recorder on right bank at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Sevier Bridge Reservoir (see station 10218500).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 $ft^3/_s$ June 25, 1983, gage height, 10.90 ft; no flow many days during April, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,640 $ft^3/_s$ July 9, gage height, 9.07 ft; minimum daily discharge, 1.80 $ft^3/_s$, Dec. 18, 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	3.0	2.1	2.6	5.9	4.4	4.2	325	43	886	414	126
2	2.5	3.1	2.1	2.7	5.1	5.3	4.2	326	10	1230	564	93
3	3.0	2.9	2.1	e2.8	4.3	4.9	4.3	326	10	1450	661	60
4	2.6	2.9	2.3	e2.8	4.7	5.1	4.1	326	10	1550	816	62
5	2.6	2.9	2.1	e2.7	4.2	5.4	4.2	326	11	1620	1060	65
6	2.5	2.9	2.1	e2.9	3.9	5.0	4.2	326	11	1620	1050	68
7	2.5	3.0	2.1	e3.1	3.7	4.8	4.2	327	11	1620	1050	73
8	2.5	3.0	2.1	3.4	3.7	4.8	4.1	327	621	1630	1050	79
9	2.5	2.9	2.1	3.8	3.5	4.8	4.2	326	1140	1520	1040	86
10	2.5	3.0	2.1	4.5	3.8	4.8	3.8	328	1190	1400	1040	94
11	2.4	3.2	e2.0	5.2	3.3	4.6	3.8	330	1200	1520	1040	102
12	2.5	3.4	e2.0	4.7	3.0	4.3	3.7	331	1200	1060	1030	109
13	2.4	3.6	e1.9	5.5	3.2	4.3	3.8	329	1200	331	1030	213
14	2.5	3.3	e1.9	6.4	3.8	4.3	4.0	329	1210	328	1030	344
15	3.0	3.3	1.9	6.6	3.3	4.3	3.8	329	1210	323	1030	344
16	2.6	3.4	1.9	6.4	3.5	4.3	3.7	330	1210	319	1020	348
17	2.5	3.2	1.9	6.8	4.0	4.3	178	331	1220	318	1020	349
18	2.4	2.8	1.8	6.7	3.9	4.4	297	329	1220	317	1020	346
19	2.1	2.5	1.8	6.9	3.7	4.4	303	331	1170	316	1020	344
20	2.5	2.4	1.9	7.3	3.4	4.3	319	332	998	316	1010	344
21	2.7	2.3	2.0	7.4	3.1	4.7	329	332	863	315	842	161
22	2.8	2.1	2.0	7.1	3.6	4.3	329	332	844	313	505	39
23	2.8	2.2	1.9	7.3	3.7	4.3	329	333	995	312	500	45
24	2.8	2.1	2.1	7.5	3.9	4.3	327	332	957	311	493	48
25	2.8	2.2	2.1	7.1	4.3	4.3	327	332	894	309	489	51
26	2.8	2.3	2.1	7.2	4.2	4.2	326	333	810	307	487	48
27	2.8	2.1	2.1	7.1	4.6	4.2	325	333	726	306	334	55
28	2.7	2.1	2.1	6.7	4.6	4.1	327	291	723	300	106	55
29	2.8	2.1	2.2	6.5	---	4.1	326	93	720	292	132	50
30	2.9	2.1	2.4	6.5	---	4.0	327	89	722	287	131	53
31	2.9	---	2.5	6.5	---	4.3	---	83	---	285	129	---
TOTAL	81.4	82.3	63.7	170.7	109.9	139.6	4433.3	9447	23149	23011	23143	4254
MEAN	2.63	2.74	2.05	5.51	3.92	4.50	148	305	772	742	747	142
MAX	3.0	3.6	2.5	7.5	5.9	5.4	329	333	1220	1630	1060	349
MIN	2.1	2.1	1.8	2.6	3.0	4.0	3.7	83	10	285	106	39
AC-FT	161	163	126	339	218	277	8790	18740	45920	45640	45900	8440

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

MEAN	63.9	33.6	34.4	59.6	57.7	113	301	737	606	547	366	171
MAX	640	326	757	1295	1184	1535	1782	3135	4178	3293	1599	737
(WY)	1923	1913	1986	1984	1984	1983	1984	1984	1983	1983	1983	1923
MIN	1.00	.60	.45	.76	.94	1.01	2.00	305	138	65.4	25.0	1.34
(WY)	1961	1965	1965	1965	1965	1965	1941	1995	1964	1934	1934	1961

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1912 - 1995	
ANNUAL TOTAL	65532.8		88084.9			
ANNUAL MEAN	180		241		259	
HIGHEST ANNUAL MEAN					1322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	1160	Jun 15	1630	Jul 8	4920	Jun 25 1983
LOWEST DAILY MEAN	1.8	Dec 18	1.8	Dec 18	.00	Mar 7 1918
ANNUAL SEVEN-DAY MINIMUM	1.9	Dec 13	1.9	Dec 13	.00	Apr 9 1990
ANNUAL RUNOFF (AC-FT)	130000		174700		187500	
10 PERCENT EXCEEDS	512		1020		762	
50 PERCENT EXCEEDS	4.8		6.5		30	
90 PERCENT EXCEEDS	2.2		2.2		2.0	

e Estimated

10219200 CHICKEN CREEK NEAR LEVAN, UT

LOCATION.--Lat 39°33'00', long 111°49'31", in NE$^1/_4$NE$^1/_4$SW$^1/_4$ sec. 33, T. 14 S., R. 1 E., Juab County, Hydrologic Unit 16030005, on left bank 125 ft upstream from county road culvert, 50 ft upstream from diversion structure, 0.5 mi upstream from mouth of canyon, and 2.0 mi east of Levan.

DRAINAGE AREA.--27.9 mi^2.

PERIOD OF RECORD.--October 1962 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,540 ft above sea level, from topographic map. Prior to Jan. 18, 1978 at site 350 ft downstream at different datum. Jan. 18, 1978 to June 19, 1986 at site 600 ft downstream at same datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 390 ft$^3/_s$ Sept. 8, 1981, gage height, 5.70 ft, from rating curve extended above 250 ft$^3/_s$ on basis of velocity-area study; no flow Feb. 11, 14, 1966, minimum daily discharge, no flow Dec. 24, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15 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	2200	*96.0	22.77	May 11	2300	(a)	*22.87

(a) extensive filling in the channel.

Minimum daily discharge, 0.56 ft$^3/_s$ Dec. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.2	1.7	e1.4	1.9	3.5	8.2	50	33	16	8.6	5.0
2	1.2	1.2	1.7	e1.3	1.9	3.6	8.3	84	34	16	8.3	5.2
3	1.8	1.3	1.6	e1.2	2.1	3.4	8.3	79	32	15	8.2	5.1
4	1.7	1.1	1.6	1.0	2.2	3.6	8.4	65	31	15	8.2	4.9
5	1.9	1.2	1.5	1.3	2.2	3.7	9.2	64	30	14	8.1	4.9
6	2.3	1.2	1.5	1.5	2.3	3.7	10	60	28	13	7.8	4.9
7	1.3	1.2	1.6	1.5	2.3	3.5	11	62	28	13	7.4	4.9
8	1.2	1.2	e1.2	1.5	2.4	3.4	12	61	29	14	7.4	4.8
9	1.1	1.1	e1.0	1.5	2.2	3.3	13	56	28	13	7.4	4.6
10	1.1	1.1	e.68	1.4	2.2	3.5	13	51	28	13	7.4	4.2
11	1.1	1.1	.56	1.7	2.2	4.4	13	54	25	12	7.3	4.0
12	1.0	1.1	.67	1.5	2.2	6.3	14	63	23	12	7.4	4.0
13	1.0	1.2	.83	1.4	2.2	5.2	15	63	23	12	7.4	3.8
14	1.1	e1.1	.83	1.5	e2.1	4.8	16	65	21	11	7.3	3.7
15	2.0	e1.1	.90	1.5	e2.0	5.0	16	63	20	9.9	7.0	3.7
16	3.1	1.3	1.3	1.6	e2.1	5.2	15	62	20	9.5	6.4	3.7
17	2.9	1.3	1.3	1.6	2.5	5.5	16	61	19	9.5	6.3	3.8
18	2.2	e1.2	1.5	e1.6	2.5	5.4	17	63	19	9.6	6.8	4.0
19	2.0	e1.0	e1.3	e1.5	2.5	11	18	63	18	9.5	6.6	4.0
20	1.7	e.96	e1.4	e1.4	2.6	12	18	65	17	9.5	5.6	3.9
21	1.5	.87	e1.4	1.8	2.8	12	17	62	17	9.5	5.6	3.5
22	1.5	e.82	1.4	e1.8	2.9	14	17	58	17	9.5	5.6	3.5
23	1.4	e.75	1.7	e1.7	3.2	13	17	59	17	9.3	5.6	3.5
24	1.4	.67	1.7	1.8	3.2	12	19	54	16	9.2	5.6	3.2
25	1.4	.85	1.6	1.7	3.4	11	21	51	15	9.4	5.6	3.2
26	1.4	1.2	1.6	1.8	3.4	10	24	49	15	9.0	5.6	3.2
27	1.3	e1.2	1.6	1.9	3.5	9.0	26	46	14	9.1	5.6	3.2
28	1.3	1.3	1.6	1.7	3.5	8.9	27	42	15	8.8	5.6	3.3
29	1.2	e1.3	1.6	e1.7	---	8.9	30	41	14	8.6	5.5	3.6
30	1.2	1.5	1.6	e1.8	---	8.4	53	40	14	8.6	5.0	3.9
31	1.2	---	1.5	1.8	---	8.4	---	37	---	8.6	4.9	---
TOTAL	47.7	33.62	41.97	48.4	70.5	215.6	510.4	1793	660	346.1	207.1	121.2
MEAN	1.54	1.12	1.35	1.56	2.52	6.95	17.0	57.8	22.0	11.2	6.68	4.04
MAX	3.1	1.5	1.7	1.9	3.5	14	53	84	34	16	8.6	5.2
MIN	1.0	.67	.56	1.0	1.9	3.3	8.2	37	14	8.6	4.9	3.2
AC-FT	95	67	83	96	140	428	1010	3560	1310	686	411	240

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

MEAN	2.54	2.14	1.77	1.80	2.16	4.16	15.9	35.3	15.2	6.11	3.96	2.98
MAX	8.16	6.97	6.98	6.12	5.56	15.9	90.1	264	115	24.4	14.2	10.5
(WY)	1984	1984	1984	1984	1986	1983	1984	1984	1983	1983	1983	1983
MIN	.22	.30	.023	.020	.016	.34	2.85	1.61	.89	.43	.56	.25
(WY)	1989	1990	1990	1990	1990	1988	1977	1992	1992	1992	1992	1988

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1963 - 1995	
ANNUAL TOTAL	672.96		4095.59			
ANNUAL MEAN	1.84		11.2		7.86	
HIGHEST ANNUAL MEAN					41.2	1984
LOWEST ANNUAL MEAN					.98	1992
HIGHEST DAILY MEAN	5.7	May 8	84	May 2	380	Jun 1 1983
LOWEST DAILY MEAN	.55	Mar 21	.56	Dec 11	.00	Dec 24 1990
ANNUAL SEVEN-DAY MINIMUM	.77	Aug 27	.78	Dec 9	.01	Dec 12 1989
ANNUAL RUNOFF (AC-FT)	1330		8120		5700	
10 PERCENT EXCEEDS	4.5		30		17	
50 PERCENT EXCEEDS	1.3		4.4		2.8	
90 PERCENT EXCEEDS	.84		1.2		.72	

e Estimated

10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW$^1/_4$NE$^1/_4$SE$^1/_4$ sec. 27, T. 15 S., R. 5 W., Millard County, Hydrologic Unit 16030005, on right bank 1.6 mi downstream from highway bridge and 3.5 mi southwest of Lynndyl.

DRAINAGE AREA.--5,966 mi^2.

PERIOD OF RECORD.--April 1914 to October 1919, October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to Oct. 1, 1979 at site 80 ft upstream. Prior to Apr. 23, 1991 at site 80 ft downstream. Elevation of gage is 4,660 ft above sea level, by barometer.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500). Several diversions for irrigation between reservoir and station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,020 ft$^3/_s$ June 15-17, 1983; minimum, 2.4 ft$^3/_s$ Jan. 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,470 ft$^3/_s$ July 9, gage height, 8.55 ft; minimum daily discharge, 31.0 ft$^3/_s$ Apr. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	46	e48	e40	48	46	35	366	145	593	220	107
2	37	47	e50	e43	48	49	35	376	140	606	241	94
3	42	51	e52	e40	48	49	35	370	111	796	416	94
4	53	50	53	e42	47	52	35	367	83	1040	481	90
5	63	49	55	e47	47	51	31	368	70	1190	597	78
6	63	48	55	e49	47	50	34	369	53	1320	803	74
7	51	48	54	e50	47	48	43	366	46	1380	857	91
8	48	48	e50	52	47	47	48	364	39	1400	828	91
9	47	47	e47	51	48	47	48	363	125	1450	837	87
10	47	47	e48	53	47	47	48	352	720	1440	848	87
11	51	47	e49	58	47	48	48	335	879	1240	854	88
12	46	50	e52	62	48	51	49	333	927	1190	849	88
13	45	e45	e52	64	49	49	49	359	942	1240	880	108
14	45	e43	e47	55	51	48	40	354	948	397	876	112
15	58	e41	e48	54	e48	47	42	348	955	285	873	282
16	65	e44	e50	55	e49	46	54	348	963	264	877	316
17	63	e43	e48	53	e50	46	62	331	962	249	882	322
18	60	e41	e43	52	52	46	63	314	961	242	868	331
19	55	e41	e47	50	49	46	281	309	965	232	864	325
20	51	e41	e45	49	48	45	340	288	940	225	863	312
21	49	e39	e40	48	47	43	352	277	826	222	898	309
22	48	e38	e42	48	47	40	350	271	680	241	882	296
23	48	e45	e45	48	46	36	357	248	600	260	557	128
24	47	e47	e48	48	46	37	358	261	712	268	456	85
25	47	e49	e50	47	46	36	356	264	788	243	401	77
26	47	e47	e52	49	46	34	353	308	745	239	396	77
27	46	e45	e45	54	46	33	356	335	712	235	396	81
28	46	e47	e48	52	45	33	353	336	617	237	389	85
29	46	e45	e50	50	---	32	358	346	608	235	169	72
30	45	e50	e47	48	---	32	368	230	596	228	124	70
31	45	---	e44	48	---	34	---	163	---	222	118	---
TOTAL	1542	1369	1504	1559	1334	1348	4981	10019	17858	19409	19600	4457
MEAN	49.7	45.6	48.5	50.3	47.6	43.5	166	323	595	626	632	149
MAX	65	51	55	64	52	52	368	376	965	1450	898	331
MIN	37	38	40	40	45	32	31	163	39	222	118	70
AC-FT	3060	2720	2980	3090	2650	2670	9880	19870	35420	38500	38880	8840

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1995, BY WATER YEAR (WY)

MEAN	64.0	69.7	68.0	92.9	112	174	295	600	549	466	303	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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1943 - 1995	
ANNUAL TOTAL	66675		84980			
ANNUAL MEAN	183		233		243	
HIGHEST ANNUAL MEAN					1369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	1050	Jun 19	1450	Jul 9	5020	Jun 15 1983
LOWEST DAILY MEAN	19	Feb 25	31	Apr 5	4.5	Jan 1 1964
ANNUAL SEVEN-DAY MINIMUM	33	Jan 1	33	Mar 26	4.9	Jan 22 1980
ANNUAL RUNOFF (AC-FT)	132200		168600		175800	
10 PERCENT EXCEEDS	464		827		635	
50 PERCENT EXCEEDS	56		53		70	
90 PERCENT EXCEEDS	39		43		18	

e Estimated

10224100 OAK CREEK ABOVE LITTLE CREEK, NEAR OAK CITY, UT

LOCATION.--Lat 39°21'23", long 112°13'55", in NE$^1/_4$NE$^1/_4$NW$^1/_4$ sec. 7, T. 17 S., R. 3 W., Millard County, Hydrologic Unit 16030005, Fish Lake National Forest, on right bank 0.3 mi upstream from a 12-inch pipeline diversion at Walker's Fork and 5.7 mi east of Oak City.

DRAINAGE AREA.--5.58 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above sea level, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft$^3/_s$ Apr. 29, 1973, gage height, 2.21 ft; minimum, 0.03 ft3/s Dec. 31, 1967, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 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	0300	*48	*1.80	May 24	1700	29	1.47
May 12	0200	27	1.44	June 3	1800	32	1.51

Minimum daily discharge, 0.32 ft$^3/_s$ Oct. 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.56	1.5	e1.8	1.5	4.7	8.0	27	17	5.7	1.6	.84
2	.32	.74	1.5	1.6	1.5	4.8	8.0	42	19	5.4	1.6	.84
3	.42	.75	1.6	1.7	1.7	4.9	8.3	37	23	5.3	1.6	.83
4	.48	e.68	1.7	1.8	2.0	5.0	8.8	30	24	5.0	1.5	.84
5	.38	.84	1.6	1.9	2.1	5.0	9.7	28	23	4.7	1.5	.84
6	.37	.89	1.6	1.8	2.2	5.0	10	27	23	4.4	1.4	.84
7	.36	.84	1.7	1.7	2.4	4.8	11	24	21	4.1	1.4	.83
8	.36	.83	e1.6	1.6	2.5	4.7	11	21	20	3.9	1.4	.82
9	.38	.83	e1.6	1.7	2.5	4.6	12	18	18	3.6	1.4	.82
10	.40	.83	e1.5	1.7	2.5	5.0	11	17	16	3.5	1.4	.80
11	.40	.82	1.7	1.9	2.5	7.0	11	19	15	3.2	1.3	.78
12	.40	.93	1.6	1.7	2.4	7.6	10	25	14	3.0	1.3	.78
13	.40	e.87	1.8	1.6	2.4	7.5	9.9	25	14	2.8	1.3	.77
14	.47	e.88	1.6	1.6	2.4	7.6	10	25	14	2.8	1.2	.77
15	.51	e.92	1.6	1.7	e2.3	8.1	10	24	14	2.7	1.2	.75
16	.63	.98	1.6	1.7	2.3	9.2	9.9	23	13	2.5	1.2	.75
17	.67	1.0	1.6	1.7	2.2	10	9.8	22	12	2.5	1.1	.77
18	.69	1.0	1.6	e1.6	2.2	10	9.8	22	11	2.4	1.1	.78
19	.56	e.99	1.6	1.6	2.2	15	9.9	21	10	2.3	1.1	.77
20	.53	e.99	1.7	1.6	2.2	15	9.5	21	9.8	2.1	1.1	.76
21	.51	1.1	1.6	1.6	2.4	15	9.0	23	9.5	2.1	1.2	.77
22	.51	1.3	1.7	e1.5	2.7	16	8.7	23	8.8	2.0	1.1	.77
23	.51	e1.3	1.7	1.6	3.0	15	8.5	22	8.3	1.9	1.1	.76
24	.51	1.4	1.8	1.6	3.4	14	9.0	22	7.7	1.9	1.1	.76
25	.52	1.5	1.8	1.5	3.8	13	11	23	7.3	1.8	1.0	.75
26	.54	1.5	1.9	1.6	4.0	12	13	24	6.9	1.7	.96	.74
27	.56	e1.4	1.9	1.5	4.1	11	15	23	6.5	1.7	.91	.72
28	.69	1.6	2.0	e1.5	4.5	10	17	22	6.2	1.7	.89	.71
29	.67	e1.4	2.1	e1.4	---	9.6	17	21	6.4	1.6	.88	.94
30	.62	1.6	2.0	1.4	---	8.7	27	20	6.2	1.6	.85	.81
31	.57	---	2.0	1.4	---	8.1	---	18	---	1.7	.84	---
TOTAL	15.29	31.27	52.8	50.6	71.9	277.9	332.8	739	404.6	91.6	37.53	23.71
MEAN	.49	1.04	1.70	1.63	2.57	8.96	11.1	23.8	13.5	2.95	1.21	.79
MAX	.69	1.6	2.1	1.9	4.5	16	27	42	24	5.7	1.6	.94
MIN	.32	.56	1.5	1.4	1.5	4.6	8.0	17	6.2	1.6	.84	.71
AC-FT	30	62	105	100	143	551	660	1470	803	182	74	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1995, BY WATER YEAR (WY)

MEAN	.69	.81	.94	.92	1.25	2.92	8.76	13.0	4.67	1.16	.63	.52
MAX	2.64	3.09	3.03	2.37	4.43	9.68	21.2	41.5	26.1	5.58	2.59	2.25
(WY)	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983	1983
MIN	.29	.41	.40	.45	.40	.48	1.29	1.18	.36	.22	.14	.17
(WY)	1993	1993	1991	1994	1977	1977	1977	1992	1992	1992	1992	1992

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1965 - 1995	
ANNUAL TOTAL	651.42		2129.00			
ANNUAL MEAN	1.78		5.83		3.03	
HIGHEST ANNUAL MEAN					10.4	1983
LOWEST ANNUAL MEAN					.67	1977
HIGHEST DAILY MEAN	10	Apr 22	42	May 2	73	Apr 29 1973
LOWEST DAILY MEAN	.22	Aug 25	.32	Oct 2	.11	Aug 20 1992
ANNUAL SEVEN-DAY MINIMUM	.22	Sep 2	.38	Oct 5	.13	Jul 29 1992
ANNUAL RUNOFF (AC-FT)	1290		4220		2200	
10 PERCENT EXCEEDS	6.2		18		8.4	
50 PERCENT EXCEEDS	.69		1.8		.90	
90 PERCENT EXCEEDS	.25		.74		.39	

e Estimated

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'03", in $SW^1/_4SE^1/_4SE^1/_4$ sec. 18, T. 29 S., R. 6 W., Beaver County, Hydrologic Unit 16030007, on left bank 4.2 mi east of Beaver.

DRAINAGE AREA.--91.0 mi^2.

PERIOD OF RECORD.--June to September 1906, March 1914 to current year.

REVISED RECORDS.--WDR UT-80-1: 1979.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above sea level, from topographic map. Prior to Mar. 30, 1914, nonrecording gage, and Mar. 30, 1914 to Oct. 15, 1937, water-stage recorder, at site 800 ft downstream at different datum. Oct. 16, 1937 to Mar. 20, 1959, at site 1,800 ft upstream at different datum. Mar. 21, 1959 to Mar. 21, 1978 at site 3,800 ft upstream at different datum. Mar. 21, 1978 to May 28, 1983, at site 1,800 ft upstream at different datum. Datum was raised 1.0 ft June 21, 1985, present location.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion for irrigation above station. Water diverted for hydroelectric power, but returned to stream above station. Some regulation by powerplants and several small reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft^3/s July 22, 1936, gage height, 7.27 ft, site and datum then in use, from rating curve extended above 500 ft^3/s; minimum daily, 7.2 ft^3/s Dec. 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 15	0045	*1,050	*3.16	Aug. 22	2045	165	1.71

Minimum daily discharge, 14 ft^3/s, Nov. 14, 15, occurred during period of ice effect..

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	18	e15	e19	28	31	107	205	398	79	52
2	21	24	18	e15	e19	27	31	119	233	343	77	53
3	23	24	18	e16	20	27	30	106	252	334	76	59
4	26	25	18	e16	19	27	32	102	307	316	74	57
5	24	25	18	17	20	27	39	102	354	298	77	56
6	25	26	18	17	21	26	46	90	440	281	83	56
7	24	26	18	16	21	24	47	82	303	284	80	56
8	23	25	e15	16	22	25	49	78	238	279	77	63
9	22	24	e15	17	22	27	49	74	199	258	76	62
10	22	24	e15	17	21	27	46	78	169	255	76	57
11	22	25	e15	18	21	31	43	92	190	258	80	55
12	21	26	e16	16	21	29	44	108	277	257	77	54
13	21	e17	e16	17	21	28	47	100	439	235	76	53
14	26	e14	e16	17	21	28	49	93	686	202	73	46
15	28	e14	17	17	e20	31	48	101	691	179	72	45
16	27	e16	e16	17	e20	34	46	110	598	167	73	43
17	26	22	e16	e17	e21	38	46	110	384	157	70	44
18	24	22	16	e17	21	41	44	118	274	151	67	44
19	24	e21	16	e15	22	42	41	138	269	135	66	32
20	24	e19	19	e16	22	45	40	174	331	126	70	35
21	24	22	19	17	24	44	39	204	410	118	70	33
22	24	23	16	18	26	43	39	221	404	109	78	32
23	24	e22	16	e18	27	41	39	213	423	105	79	35
24	24	e20	17	18	28	38	39	200	415	100	71	35
25	23	19	17	17	29	36	44	185	416	94	70	35
26	23	20	16	18	28	36	51	167	427	88	67	34
27	23	e20	16	17	27	32	54	149	447	84	57	34
28	23	e19	15	e17	28	31	56	141	444	81	59	35
29	23	e18	15	e17	---	32	64	136	423	85	57	36
30	23	e19	15	e18	---	31	109	139	381	86	53	35
31	22	---	e15	18	---	31	---	170	---	81	52	---
TOTAL	733	644	511	522	631	1007	1382	4007	11029	5944	2212	1366
MEAN	23.6	21.5	16.5	16.8	22.5	32.5	46.1	129	368	192	71.4	45.5
MAX	28	26	19	18	29	45	109	221	691	398	83	63
MIN	21	14	15	15	19	24	30	74	169	81	52	32
AC-FT	1450	1280	1010	1040	1250	2000	2740	7950	21880	11790	4390	2710

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1995, BY WATER YEAR (WY)

MEAN	22.0	20.5	18.4	17.0	17.3	21.4	47.7	148	160	70.6	40.9	26.2
MAX	37.8	47.0	37.7	26.5	27.9	44.9	93.1	409	638	198	98.0	63.3
(WY)	1985	1984	1984	1985	1984	1986	1986	1984	1983	1983	1983	1983
MIN	13.3	11.7	9.95	9.96	11.4	12.9	18.6	25.7	27.9	14.9	11.8	10.7
(WY)	1978	1978	1977	1977	1977	1977	1975	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1961 - 1995	
ANNUAL TOTAL	12361		29988			
ANNUAL MEAN	33.9		82.2		51.0	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	148	May 16	691	Jun 15	884	May 24 1984
LOWEST DAILY MEAN	14	Nov 14	14	Nov 14	7.2	Dec 20 1976
ANNUAL SEVEN-DAY MINIMUM	15	Dec 8	15	Dec 27	8.4	Dec 19 1976
ANNUAL RUNOFF (AC-FT)	24520		59480		36920	
10 PERCENT EXCEEDS	83		244		114	
50 PERCENT EXCEEDS	23		35		23	
90 PERCENT EXCEEDS	17		17		14	

e Estimated

10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE$^1/_4$SW$^1/_4$SW$^1/_4$ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, at right upstream corner of bridge on State Highway 21, 1.6 mi upstream from Indian Creek, and 1.6 mi east of Adamsville.

DRAINAGE AREA.--303 mi^2.

PERIOD OF RECORD.--December 1913 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since Nov. 23, 1994. Elevation of gage is 5,550 ft above sea level, from topographic map. Prior to Sept. 15, 1936, water-stage recorder and Sept. 15, 1936, to Oct. 15, 1937, nonrecording gage, at site 1.2 mi downstream at different datum. Oct. 16, 1937, to May 28, 1946, water-stage recorder at site 1.3 mi downstream at different datum. May 29, 1946, to Mar. 19, 1970, at site 1.8 mi downstream at different datum. Mar. 19, 1970, to July 25, 1979 at site 400 ft downstream at different datum. July 26, 1979, to Feb. 5, 1992, at site 50 ft upstream at same datum.

REMARKS.--Records fair except those for estimated daily discharges, and those for discharges less than 2.0 ft$^3/_s$, which are poor. One small diversion between station and Minersville Reservoir. Several ditches above station divert most of flow during irrigation season to supply Adamsville and Beaver irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft$^3/_s$, June 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 ft$^3/_s$; no flow during summer and fall months in many years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,870 ft$^3/_s$, June 6, gage height, 5.52 ft; minimum daily discharge, 0.22 ft$^3/_s$, Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.22	e26	e34	29	31	46	31	54	151	395	.81	1.7
2	.25	29	35	27	31	46	22	113	437	363	.88	2.1
3	.51	31	35	29	31	39	17	94	850	344	.98	2.4
4	.65	28	38	31	30	40	15	59	1390	326	1.0	2.2
5	.41	33	39	32	30	44	8.7	54	1580	278	.90	2.1
6	.35	36	39	33	30	50	7.8	43	1340	211	.90	1.4
7	.36	33	38	33	30	37	8.3	35	1000	186	.81	1.6
8	.36	31	e34	35	31	35	9.1	27	700	165	.76	2.5
9	.33	30	e32	39	30	34	11	22	496	151	.84	5.5
10	.38	31	e30	35	30	33	14	18	291	150	.84	2.8
11	.49	31	e32	36	30	36	18	13	250	140	.89	1.6
12	.55	35	e35	37	30	41	15	36	371	131	.90	1.5
13	.55	34	36	37	30	39	14	38	805	122	.90	1.9
14	7.2	31	37	34	33	37	15	30	1010	116	.95	2.1
15	19	30	33	33	32	39	9.9	25	996	108	1.0	1.9
16	20	32	35	33	34	41	3.4	29	984	85	1.3	1.6
17	23	33	34	30	33	44	4.8	41	600	81	1.5	2.3
18	22	34	34	29	31	47	8.2	41	359	62	1.3	4.0
19	19	34	34	33	30	48	8.3	42	321	53	1.3	3.9
20	28	33	33	33	30	51	20	69	334	43	1.5	2.5
21	28	34	33	31	30	53	25	162	388	39	2.7	2.2
22	27	34	31	31	31	53	21	277	364	25	2.4	2.4
23	e26	34	33	30	31	49	17	278	382	23	3.0	2.8
24	e26	35	39	31	32	49	11	259	411	21	11	3.9
25	e26	36	38	31	33	48	11	181	451	19	5.7	5.3
26	e26	36	34	32	32	47	11	170	473	7.0	3.7	7.5
27	e26	37	33	33	32	43	9.3	180	494	1.5	3.0	6.0
28	e25	36	32	30	35	38	10	142	552	1.4	2.7	4.4
29	e26	e36	33	31	---	41	13	76	596	1.3	2.7	5.2
30	e26	e35	31	30	---	37	36	70	414	1.2	2.7	6.8
31	e26	---	29	30	---	38	---	80	---	1.2	2.6	---
TOTAL	431.61	988	1063	998	873	1323	424.8	2758	18790	3650.6	62.46	94.1
MEAN	13.9	32.9	34.3	32.2	31.2	42.7	14.2	89.0	626	118	2.01	3.14
MAX	28	37	39	39	35	53	36	278	1580	395	11	7.5
MIN	.22	26	29	27	30	33	3.4	13	151	1.2	.76	1.4
AC-FT	856	1960	2110	1980	1730	2620	843	5470	37270	7240	124	187

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-95, BY WATER YEAR (WY)

MEAN	19.2	41.2	41.5	39.0	43.2	43.4	31.4	75.7	84.1	16.0	15.2	10.9
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 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1915-36, 1938-95	
ANNUAL TOTAL	6125.72		31456.57			
ANNUAL MEAN	16.8		86.2		38.3	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	46	Feb 18	1580	Jun 5	1700	Jun 19 1983
LOWEST DAILY MEAN	.11	Jul 14	.22	Oct 1	.00	May 7 1924
ANNUAL SEVEN-DAY MINIMUM	.13	Jul 10	.38	Oct 5	.00	Aug 7 1924
ANNUAL RUNOFF (AC-FT)	12150		62390		27760	
10 PERCENT EXCEEDS	38		254		60	
50 PERCENT EXCEEDS	9.9		31		30	
90 PERCENT EXCEEDS	.18		1.5		.72	

e Estimated

10238500 MINERSVILLE RESERVOIR NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'05", in $SE^1/_4NE^1/_4NW^1/_4$ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, at right end of Rocky Ford Dam on Beaver River, 5.0 mi east of Minersville.

DRAINAGE AREA.--534 mi^2.

PERIOD OF RECORD.--April to August 1915, November 1915 to September 1917, December 1917 to March 1921, June to September 1922, October 1937 to September 1995 (discontinued). Month-end contents only for some periods, published in WSP 1314. Published as Rockyford Reservoir near Minersville prior to October 1967.

REVISED RECORDS.--WDR UT-75-1: Drainage area.

GAGE.--Staff gage. Datum of gage is at 5,452.0 ft above sea level (levels by Utah Dept. of Natural Resources).

REMARKS.--Reservoir is formed by earthfill dam completed in 1914. Spillway rebuilt 1977. Capacity, 24,510 acre-ft between elevation 5,461.3 ft and elevation 5,504.6 ft (spillway crest), rating table in use since 1977. Capacity fall 1937 to fall 1977, 23,260 acre-ft at elevation 5,502.0 ft (spillway crest). Prior to fall of 1937, the spillway crest was at elevation 5,503.5 ft; capacity, 24,910 acre-ft. Dead storage negligible. Figures given herein represent total contents. Water is used for irrigation in vicinity of Minersville, and Milford.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 26,330 acre-ft, June 24-29, 1969, elevation, 5,504.8 ft; No contents at times in many years.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 23,520 acre-ft, June 22, elevation, 5,503.7 ft; minimum contents observed, 2,520 acre-ft, Oct. 5, elevation, 5,472.7 ft.

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

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct. 31	--	*3,230	+800
Nov. 30	--	*5,040	+1,810
Dec. 31	--	*7,170	+2,130
CAL YR 1994	--	--	-5,590
Jan. 31	--	*8,970	+1,800
Feb .28	--	*10,330	+1,360
Mar. 31	--	*12,220	+1,890
Apr. 30	--	*12,780	+560
May 31	--	*14,310	+1,530
June 30	--	*23,410	+9,100
July 31	--	*21,770	-1,640
Aug. 31	--	*16,110	-5,660
Sept. 30	--	*13,170	-2,940
WTR YR 1995	--	--	+10,740

(*) No end-of-month gage height reading, contents interpolated.

10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in $SE^1/_4NW^1/_4NW^1/_4$ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, on right bank and 0.5 mi downstream from Rocky Ford Dam and 4.8 mi east of Minersville.

DRAINAGE AREA.--535 mi^2.

PERIOD OF RECORD.--December 1913 to September 1936, April 1937 to current year.

REVISED RECORDS.--WSP 1564: 1920, 1924. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Nov. 12, 1916. Elevation of gage is 5,400 ft above sea level, from topographic map. Prior to June 1, 1916, at site 1,500 ft upstream at different datum.

REMARKS.--Records fair. One small diversion between dam and station. Flow regulated by Minersville Reservoir (formerly published as Rockyford Reservoir). Numerous diversions for irrigation and municipal use upstream from reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 $ft^3/_s$, June 12, 1983, gage height, 4.74 ft, from rating curve extended above 500 $ft^3/_s$ on basis of slope-area measurement of peak flow; minimum daily, 0.4 $ft^3/_s$, Mar. 20, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 493 $ft^3/_s$, June 29, gage height, 3.02 ft; minimum daily discharge, 4.3 $ft^3/_s$, Oct. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.3	5.3	5.9	5.3	6.0	7.4	6.7	80	448	93	114
2	5.0	5.3	5.3	5.7	5.3	5.9	7.5	20	81	408	87	114
3	4.8	5.3	5.6	5.6	5.3	5.9	7.3	34	86	318	89	113
4	5.0	5.3	5.9	5.9	5.3	5.9	7.3	46	94	178	85	121
5	4.8	5.3	5.9	5.9	5.3	5.9	6.9	48	111	98	85	126
6	4.8	5.3	5.9	5.9	5.3	6.0	6.6	48	122	136	85	136
7	4.8	5.1	5.9	5.9	5.4	5.9	6.2	48	126	144	101	136
8	4.8	4.8	5.9	5.9	5.8	5.5	6.1	49	131	145	99	133
9	4.7	4.8	5.9	5.9	5.9	5.3	6.3	53	158	145	98	107
10	4.4	4.8	5.9	5.9	5.9	5.5	6.3	64	166	148	102	78
11	4.3	5.3	5.9	6.0	5.6	5.8	6.5	69	101	147	108	75
12	4.5	5.4	5.9	5.9	5.3	5.9	6.4	72	87	144	112	70
13	5.0	5.4	5.9	5.9	5.3	5.9	6.4	70	99	138	114	69
14	5.6	5.4	5.9	5.9	5.5	5.9	6.5	69	119	130	113	69
15	6.1	5.8	5.9	5.9	5.3	5.9	6.7	68	137	132	112	69
16	5.9	5.9	5.9	5.9	5.3	6.2	6.5	61	290	151	114	69
17	6.1	5.9	5.9	5.9	5.3	6.4	6.4	61	439	147	116	69
18	6.1	5.9	5.9	5.6	5.3	6.3	6.7	62	449	138	120	59
19	5.9	5.3	5.9	5.5	5.3	6.3	6.4	61	446	139	99	54
20	5.7	5.3	5.9	5.5	5.3	6.5	6.4	69	419	143	99	54
21	5.4	5.3	5.9	5.5	5.3	6.5	6.3	73	392	142	125	54
22	5.4	e5.5	5.9	5.6	5.4	6.5	6.2	83	316	140	128	51
23	5.3	5.6	5.9	5.8	5.3	6.6	6.2	87	152	133	127	36
24	5.4	5.7	5.9	5.9	5.5	6.7	6.2	95	188	116	126	36
25	5.7	5.9	5.9	5.9	5.9	6.6	6.1	94	247	134	126	35
26	5.6	5.9	5.9	5.9	5.9	6.8	6.0	89	285	137	129	35
27	5.8	5.5	5.9	5.9	5.9	7.1	6.1	72	339	97	128	35
28	5.4	5.3	5.9	5.9	6.0	7.1	6.2	64	423	83	127	35
29	5.4	5.3	5.9	5.9	---	7.1	6.1	64	477	100	127	34
30	5.9	5.4	5.9	5.6	---	7.1	6.5	69	483	100	123	16
31	5.8	---	5.9	5.3	---	7.3	---	79	---	98	114	---
TOTAL	164.6	162.3	181.4	179.7	153.5	194.3	194.7	1947.7	7043	4857	3411	2202
MEAN	5.31	5.41	5.85	5.80	5.48	6.27	6.49	62.8	235	157	110	73.4
MAX	6.1	5.9	5.9	6.0	6.0	7.3	7.5	95	483	448	129	136
MIN	4.3	4.8	5.3	5.3	5.3	5.3	6.0	6.7	80	83	85	16
AC-FT	326	322	360	356	304	385	386	3860	13970	9630	6770	4370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-95, BY WATER YEAR (WY)

MEAN	12.3	10.3	11.2	11.5	11.3	15.3	28.7	97.2	108	83.3	65.3	34.1
MAX	57.8	51.8	97.8	121	55.8	76.7	196	457	926	215	143	104
(WY)	1938	1984	1942	1984	1985	1983	1984	1984	1983	1983	1986	1983
MIN	2.85	3.19	2.67	2.95	3.54	4.69	6.05	27.8	21.0	7.84	7.61	4.59
(WY)	1977	1978	1978	1978	1978	1978	1991	1977	1919	1919	1919	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1915-36, 1938-95	
ANNUAL TOTAL	10389.4		20691.2			
ANNUAL MEAN	28.5		56.7		40.6	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					12.6	1960
HIGHEST DAILY MEAN	108	Jun 26	483	Jun 30	1210	Jun 20 1983
LOWEST DAILY MEAN	4.3	Sep 22	4.3	Oct 11	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	4.6	Oct 6	4.6	Oct 6	1.5	Oct 24 1914
ANNUAL RUNOFF (AC-FT)	20610		41040		29390	
10 PERCENT EXCEEDS	76		137		103	
50 PERCENT EXCEEDS	9.5		6.4		14	
90 PERCENT EXCEEDS	5.3		5.3		4.7	

e Estimated

10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in $SE^1/_4SE^1/_4NE^1/_4$ sec. 13, T. 36 S., R. 11 W., Iron County, Hydrologic Unit 16030006, on right bank, 1.2 mi east of Cedar City, and 3.7 mi downstream from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi^2.

PERIOD OF RECORD.--May to September 1915 (gage heights and discharge measurements only), October 1915 to July 1916, September 1916 to July 1918, September 1918 to November 1919, May 1935 to September 1937, April 1938 to current year. Records prior to November 1919 exclude flow of power canal; records would be equivalent if flow in canal were added.

REVISED RECORD.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since Aug. 1, 1989. Concrete control since July 1972, rebuilt July 29, 1988. Elevation of gage is 6,000 ft above sea level, from topographic map. Prior to Mar. 30, 1939, nonrecording gages and Mar. 30, 1939 to May 14, 1945, water-stage recorder at several sites about 0.5 mi upstream at various datums. May 15, 1945 to Oct. 10, 1951, May 4 to July 2, 1952, water-stage recorder at site 2 mi upstream at different datum. July 3, 1952 to Nov. 17, 1967, water-stage recorder at site 600 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 ft^3/s, July 23, 1969, gage height, 11.67 ft from flood-mark, based on slope-area measurement of July 16, 1967 and applied to site and datum now in use; minimum daily discharge, 2.1 ft^3/s, Nov. 3, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 5	1930	a 796	7.23	July 17	2055	a *1,150	*7.92

(a) From rating curve extended above 420 ft^3/s on basis of slope-area measurement.

Minimum daily discharge, 7.3 ft^3/s, Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	10	14	11	13	21	29	144	411	156	28	17
2	7.7	11	14	11	17	18	29	177	413	139	28	17
3	7.3	10	13	11	16	17	29	154	508	120	27	16
4	34	e10	12	12	17	16	39	160	511	109	25	15
5	16	11	12	11	17	19	47	152	543	98	24	15
6	16	12	11	11	19	19	45	119	483	92	24	36
7	13	12	11	10	19	19	46	100	313	88	23	38
8	11	11	10	11	14	21	53	92	219	86	23	19
9	10	10	9.5	11	13	22	48	100	195	86	22	15
10	9.8	10	e9.0	11	13	35	40	128	256	83	22	13
11	9.7	11	e9.5	11	13	127	37	142	317	81	27	12
12	9.6	13	e10	11	12	59	48	157	377	76	22	12
13	9.7	11	e10	11	12	42	59	132	329	70	22	12
14	22	9.5	e10	11	16	41	58	140	328	66	21	12
15	21	11	e10	12	12	53	47	181	275	61	20	12
16	17	12	e9.0	e14	14	63	40	219	212	56	21	12
17	19	11	e10	e12	12	62	36	193	190	113	20	12
18	18	e10	e11	e10	13	64	35	209	183	73	19	12
19	18	e10	11	e11	15	64	36	246	172	57	19	12
20	17	e10	13	10	19	62	35	287	176	52	21	12
21	14	e11	12	11	25	63	35	340	183	47	24	13
22	13	e11	11	10	27	52	35	334	180	44	20	13
23	12	e11	11	11	27	45	36	317	164	41	22	13
24	12	e10	12	12	27	34	46	270	164	39	28	13
25	12	e10	12	12	24	32	63	214	158	38	21	13
26	11	e11	11	12	18	26	73	210	156	36	19	13
27	11	10	11	11	18	26	73	202	153	34	18	13
28	11	e9.0	12	11	19	26	78	244	150	32	18	13
29	11	10	11	11	---	27	99	272	172	31	17	13
30	10	12	11	11	---	24	120	312	172	30	17	13
31	9.9	---	8.9	12	---	26	---	375	---	29	16	---
TOTAL	421.7	320.5	341.9	347	481	1225	1494	6322	8063	2163	678	451
MEAN	13.6	10.7	11.0	11.2	17.2	39.5	49.8	204	269	69.8	21.9	15.0
MAX	34	13	14	14	27	127	120	375	543	156	28	38
MIN	7.3	9.0	8.9	10	12	16	29	92	150	29	16	12
AC-FT	836	636	678	688	954	2430	2960	12540	15990	4290	1340	895

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

MEAN	12.5	11.3	10.2	9.88	11.8	17.9	56.3	147	71.3	22.6	17.5	13.4
MAX	38.4	24.1	21.3	17.7	18.6	39.5	140	489	428	69.9	59.7	37.1
(WY)	1973	1988	1984	1984	1947	1995	1985	1973	1983	1983	1968	1967
MIN	6.17	5.95	5.78	6.41	7.40	9.10	17.1	19.0	11.6	7.61	5.94	6.33
(WY)	1991	1978	1991	1951	1960	1951	1975	1977	1989	1959	1960	1956

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939 - 1995	
ANNUAL TOTAL	8460.0		22308.1			
ANNUAL MEAN	23.2		61.1		33.6	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					11.4	1977
HIGHEST DAILY MEAN	242	May 13	543	Jun 5	1080	May 31 1983
LOWEST DAILY MEAN	6.4	Sep 27	7.3	Oct 3	2.1	Nov 3 1990
ANNUAL SEVEN-DAY MINIMUM	6.9	Sep 22	9.6	Dec 10	2.5	Oct 28 1990
ANNUAL RUNOFF (AC-FT)	16780		44250		24310	
10 PERCENT EXCEEDS	54		180		76	
50 PERCENT EXCEEDS	12		19		13	
90 PERCENT EXCEEDS	8.9		10		7.6	

e Estimated

404039111325700 WHITE PINE CANYON NEAR PARK CITY, UT

LOCATION.--Lat 40°40'39", long 111°32'57", in $SE^1/_4NE^1/_4NE^1/_4$ sec. 01, T. 2S., R. 3E., Summit County, Hydrologic Unit 16020102, on right bank 1 mi upstream from route 224, 3 mi north of Park City.

DRAINAGE AREA.--

PERIOD OF RECORD.--May 1994 to September 1995.

GAGE.--Water-stage recorder. Elevation of gage is 6,930 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, 82 $ft^3/_s$ June 15, 1995, gage height, 5.67 ft; minimum daily, 0.47 $ft^3/_s$ Feb. 15, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 82 $ft^3/_s$ June 15, gage height 5.67 ft; minimum daily discharge, 0.47 $ft^3/_s$ Feb. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	9.3	2.4	1.6	.77
2	---	---	---	---	---	---	---	---	8.7	2.4	1.5	.77
3	---	---	---	---	---	---	---	---	7.8	2.4	1.4	.75
4	---	---	---	---	---	---	---	---	7.0	2.3	1.4	.77
5	---	---	---	---	---	---	---	---	6.4	2.3	1.3	.76
6	---	---	---	---	---	---	---	---	6.2	2.2	1.3	.77
7	---	---	---	---	---	---	---	---	5.8	2.2	1.3	.77
8	---	---	---	---	---	---	---	---	5.4	2.2	1.3	.74
9	---	---	---	---	---	---	---	---	5.0	2.2	1.4	.72
10	---	---	---	---	---	---	---	---	4.7	2.1	1.4	.73
11	---	---	---	---	---	---	---	---	4.5	2.1	1.4	.74
12	---	---	---	---	---	---	---	---	4.1	2.1	1.3	.77
13	---	---	---	---	---	---	---	---	3.9	2.0	1.3	.77
14	---	---	---	---	---	---	---	---	3.8	2.0	1.4	.78
15	---	---	---	---	---	---	---	---	3.7	2.0	1.2	.77
16	---	---	---	---	---	---	---	---	3.5	2.0	1.1	.76
17	---	---	---	---	---	---	---	---	3.4	1.9	1.1	.75
18	---	---	---	---	---	---	---	---	3.3	1.9	1.2	.71
19	---	---	---	---	---	---	---	---	3.2	1.9	1.1	.69
20	---	---	---	---	---	---	---	---	3.1	1.9	1.0	.71
21	---	---	---	---	---	---	---	---	3.0	1.9	.99	.72
22	---	---	---	---	---	---	---	---	2.9	2.1	.97	.71
23	---	---	---	---	---	---	---	---	2.9	1.9	.89	.68
24	---	---	---	---	---	---	---	---	2.8	1.8	.86	.64
25	---	---	---	---	---	---	---	---	2.8	1.8	.83	.62
26	---	---	---	---	---	---	---	e9.5	2.7	1.7	.83	.61
27	---	---	---	---	---	---	---	9.4	2.7	1.7	.94	.58
28	---	---	---	---	---	---	---	9.2	2.6	1.7	.93	.56
29	---	---	---	---	---	---	---	9.3	2.6	1.6	.96	.73
30	---	---	---	---	---	---	---	9.4	2.6	1.6	.88	.72
31	---	---	---	---	---	---	---	9.6	---	1.6	.80	---
TOTAL	---	---	---	---	---	---	---	---	130.4	61.9	35.88	21.57
MEAN	---	---	---	---	---	---	---	---	4.35	2.00	1.16	.72
MAX	---	---	---	---	---	---	---	---	9.3	2.4	1.6	.78
MIN	---	---	---	---	---	---	---	---	2.6	1.6	.80	.56
AC-FT	---	---	---	---	---	---	---	---	259	123	71	43

e Estimated

404039111325700 WHITE PINE CANYON NEAR PARK CITY, UT

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.68	.56	e.52	e.49	e.63	e.60	.76	3.9	19	28	4.6	2.6
2	.63	.58	e.53	e.49	e.62	e.62	.79	4.9	23	25	4.4	2.6
3	.79	.55	e.54	e.48	e.60	e.64	.90	4.9	27	25	4.4	2.5
4	.94	.59	e.56	e.49	e.59	e.66	1.1	4.8	19	23	4.3	2.5
5	.91	.56	e.56	e.50	e.57	e.64	1.5	4.7	20	19	4.2	2.4
6	.80	.59	e.54	e.52	e.60	e.62	1.8	4.7	22	17	4.1	2.3
7	.66	.63	e.52	e.54	e.63	e.60	2.0	4.5	25	17	4.0	2.3
8	.61	.57	e.51	e.58	e.60	e.58	2.1	4.3	26	18	4.0	2.2
9	.60	.54	e.50	e.62	e.58	e.60	1.9	4.5	24	18	3.9	2.2
10	.59	.51	e.50	e.64	e.58	e.67	1.7	4.7	23	17	3.9	2.2
11	.56	.49	e.53	e.60	e.57	e.92	1.5	5.2	25	16	3.7	2.1
12	.55	.57	e.54	e.58	e.57	e.90	1.5	5.2	32	14	3.7	2.1
13	.55	.54	e.53	e.60	e.56	e.88	1.8	4.9	44	14	3.6	2.0
14	.67	e.62	e.52	e.62	e.50	e.82	2.1	4.7	52	12	3.6	2.0
15	.92	e.63	e.50	e.60	e.47	e.93	2.0	4.9	57	11	3.6	2.0
16	.83	e.64	e.52	e.59	e.49	e1.1	2.0	5.5	48	10	3.5	1.9
17	.87	e.58	e.52	e.58	e.51	1.1	1.9	5.5	52	9.3	3.4	2.0
18	.86	e.55	e.50	e.56	e.54	1.3	1.9	6.0	38	8.7	3.4	1.9
19	.77	e.54	e.51	e.51	e.54	e1.4	1.8	6.4	31	8.0	3.3	1.8
20	.72	e.54	e.52	e.51	e.56	1.5	1.7	8.4	31	7.0	3.2	1.8
21	.69	e.52	e.48	e.50	e.55	e1.4	1.6	12	29	7.0	3.2	1.8
22	.67	e.50	e.49	e.50	e.55	e1.3	1.6	16	29	6.5	3.1	1.9
23	.66	e.56	e.52	e.55	e.54	1.3	1.6	19	29	6.2	3.1	1.9
24	.66	e.57	e.56	e.60	e.55	e1.2	1.6	19	31	5.7	3.0	1.9
25	.63	e.58	e.56	e.60	e.56	1.1	1.7	17	30	5.7	2.9	1.8
26	.59	e.58	e.55	e.58	e.61	1.0	1.8	15	28	5.5	2.8	1.8
27	.57	e.61	e.53	e.57	e.60	.99	2.2	13	26	5.3	2.8	1.8
28	.53	e.61	e.55	e.55	e.61	.92	2.8	13	26	5.0	2.8	1.8
29	.54	e.61	e.55	e.55	---	e.88	3.2	13	26	4.9	2.7	1.8
30	.54	e.56	e.54	e.57	---	.81	3.9	13	28	4.8	2.7	1.8
31	.57	---	e.52	e.60	---	.77	---	15	---	4.7	2.6	---
TOTAL	21.16	17.08	16.32	17.27	15.88	28.75	54.75	267.6	920	378.3	108.5	61.7
MEAN	.68	.57	.53	.56	.57	.93	1.82	8.63	30.7	12.2	3.50	2.06
MAX	.94	.64	.56	.64	.63	1.5	3.9	19	57	28	4.6	2.6
MIN	.53	.49	.48	.48	.47	.58	.76	3.9	19	4.7	2.6	1.8
AC-FT	42	34	32	34	31	57	109	531	1820	750	215	122

WTR YR 1995 TOTAL 1907.31 MEAN 5.23 MAX 57 MIN .47 AC-FT 3780

e Estimated

404339111320300 UNNAMED CREEK (SPRING CREEK) NEAR KIMBALL JUNCTION, UT

LOCATION.--Lat 40°43'39", long 111°32'03", in $SE^1/_4SE^1/_4SE^1/_4$ sec. 18, T. 1S., R. 4E., Summit County, Hydrologic Unit 16020102, on left bank 400 ft 400 ft upstream from East Canyon Creek and 0.5 mi east from Kimball Junction, Utah

DRAINAGE AREA.--

PERIOD OF RECORD.--August 1994 to September 1995 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,330 ft above sea level, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Some diversion for irrigation above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68 $ft^3/_s$ May 23, 1995, gage height, 5.41 ft; at different datum; maximum gage height 6.02 ft Mar. 18, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68 $ft^3/_s$ May 23, gage height 5.41 ft, maximum gage height, 6.02 ft Mar 18; minimum daily discharge, 0.99 $ft^3/_s$ Nov. 17.1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	.37
2	---	---	---	---	---	---	---	---	---	---	---	.23
3	---	---	---	---	---	---	---	---	---	---	---	.23
4	---	---	---	---	---	---	---	---	---	---	---	.17
5	---	---	---	---	---	---	---	---	---	---	---	.16
6	---	---	---	---	---	---	---	---	---	---	---	.17
7	---	---	---	---	---	---	---	---	---	---	---	.19
8	---	---	---	---	---	---	---	---	---	---	---	.18
9	---	---	---	---	---	---	---	---	---	---	---	.18
10	---	---	---	---	---	---	---	---	---	---	e.45	.19
11	---	---	---	---	---	---	---	---	---	---	.81	.18
12	---	---	---	---	---	---	---	---	---	---	.86	.21
13	---	---	---	---	---	---	---	---	---	---	.86	.34
14	---	---	---	---	---	---	---	---	---	---	.84	.51
15	---	---	---	---	---	---	---	---	---	---	.74	.56
16	---	---	---	---	---	---	---	---	---	---	.60	.64
17	---	---	---	---	---	---	---	---	---	---	.44	.65
18	---	---	---	---	---	---	---	---	---	---	.50	.75
19	---	---	---	---	---	---	---	---	---	---	.56	.82
20	---	---	---	---	---	---	---	---	---	---	.51	.99
21	---	---	---	---	---	---	---	---	---	---	.49	.90
22	---	---	---	---	---	---	---	---	---	---	.42	.79
23	---	---	---	---	---	---	---	---	---	---	.43	.78
24	---	---	---	---	---	---	---	---	---	---	.42	.82
25	---	---	---	---	---	---	---	---	---	---	.39	.82
26	---	---	---	---	---	---	---	---	---	---	.37	.85
27	---	---	---	---	---	---	---	---	---	---	.45	.84
28	---	---	---	---	---	---	---	---	---	---	.46	.84
29	---	---	---	---	---	---	---	---	---	---	.59	1.1
30	---	---	---	---	---	---	---	---	---	---	.43	1.3
31	---	---	---	---	---	---	---	---	---	---	.41	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	16.76
MEAN	---	---	---	---	---	---	---	---	---	---	---	.56
MAX	---	---	---	---	---	---	---	---	---	---	---	1.3
MIN	---	---	---	---	---	---	---	---	---	---	---	.16
AC-FT	---	---	---	---	---	---	---	---	---	---	---	33

e Estimated

404339111320300 UNNAMED CREEK (SPRING CREEK) NEAR KIMBALL JUNCTION, UT

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.1	e1.8	e1.7	e2.5	e5.2	12	21	31	18	4.5	2.0
2	1.1	1.8	e1.9	e1.8	e2.6	e5.4	12	38	40	18	4.6	2.4
3	2.3	1.7	e1.9	e1.9	e2.7	4.7	11	29	42	23	4.5	2.4
4	3.1	1.6	e1.8	e2.0	e2.9	5.8	11	26	44	18	4.5	2.6
5	2.9	1.7	e1.6	e2.3	e3.0	5.8	12	29	39	16	3.7	3.0
6	2.6	2.0	e1.5	e2.5	e2.9	5.3	12	29	41	15	3.5	2.7
7	1.8	1.8	e1.4	e2.7	e2.9	8.0	13	27	39	13	3.4	2.7
8	1.6	1.7	e1.3	e2.9	e2.9	4.9	17	27	44	13	3.5	2.5
9	1.5	1.6	e1.2	e3.1	e2.8	5.4	18	26	32	13	2.6	2.4
10	1.5	1.5	e1.5	e3.2	e2.8	12	18	27	27	12	2.2	2.4
11	1.4	1.5	e1.6	e3.4	e2.7	37	15	32	25	11	1.8	2.3
12	1.3	2.1	e1.6	e3.2	e2.6	36	13	37	25	11	1.7	2.2
13	1.2	1.8	e1.5	e3.3	e2.5	25	13	33	28	11	2.2	2.0
14	1.4	1.7	e1.5	e3.6	e2.4	26	14	35	32	11	2.3	1.5
15	2.7	1.7	e1.5	e3.0	e2.3	27	14	30	36	9.7	2.3	1.5
16	1.7	1.5	e1.5	e2.5	e2.4	27	14	32	38	9.2	2.3	1.6
17	1.7	.99	e1.5	e2.5	e2.5	23	15	35	36	8.1	1.8	1.6
18	1.8	e1.6	e1.5	e2.5	e2.7	e26	14	36	35	7.7	1.7	2.1
19	1.4	e1.6	e1.6	e2.4	e2.9	e50	16	34	27	7.3	1.9	1.7
20	1.3	e1.4	e1.5	e2.3	e3.2	e26	14	37	25	6.5	1.8	1.6
21	1.2	e1.2	e1.5	e2.1	e3.3	e29	13	36	25	5.9	2.2	1.7
22	1.2	e1.2	e1.6	e2.1	e3.5	e31	12	40	24	5.8	3.8	1.8
23	1.1	e1.4	e1.6	e2.2	e3.7	e23	13	57	24	5.9	3.0	1.6
24	1.1	e1.6	e1.7	e2.2	e4.0	e30	13	47	23	5.3	3.0	1.5
25	1.1	e1.7	e1.8	e2.3	e4.3	17	13	45	22	5.0	2.7	1.5
26	1.1	e1.6	e1.9	e2.3	e4.9	16	13	45	22	4.9	2.7	1.6
27	1.1	e1.5	e1.7	e2.4	e5.4	15	13	39	22	4.1	2.4	1.7
28	1.1	e1.6	e1.7	e2.5	e5.8	14	14	32	21	3.5	2.3	1.7
29	1.0	e1.5	e1.7	e2.5	---	14	15	30	20	3.8	2.4	2.3
30	1.1	e1.6	e1.7	e2.5	---	13	25	30	19	3.5	1.6	2.3
31	1.0	---	e1.5	e2.5	---	12	---	30	---	4.5	1.8	---
TOTAL	47.5	47.29	49.6	78.4	89.1	579.5	422	1051	908	303.7	84.7	60.9
MEAN	1.53	1.58	1.60	2.53	3.18	18.7	14.1	33.9	30.3	9.80	2.73	2.03
MAX	3.1	2.1	1.9	3.6	5.8	50	25	57	44	23	4.6	3.0
MIN	1.0	.99	1.2	1.7	2.3	4.7	11	21	19	3.5	1.6	1.5
AC-FT	94	94	98	156	177	1150	837	2080	1800	602	168	121

WTR YR 1995 TOTAL 3721.69 MEAN 10.2 MAX 57 MIN .99 AC-FT 7380

e Estimated

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1995

Stream	Tributary to	Location	Drainage area (mi2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft3/s)
		WEBER RIVER BASIN				
10132500 Lost Creek	Weber River	Lat 41°10'35", long 111°24'20" Morgan County, 9.5 mi northeast of Croydon.	133	1922*	04-04-95	10.4
				1942-67*	05-09-95	88.0
				1988-89	05-09-95	82.4
				1993-94	05-17-95	77.2
					06-01-95	91.6
		GREEN RIVER BASIN				
09314500 Price River at Woodside	Green River	Lat 39°15'50", long 110°20'45" Emery County	1,540	1945-92	04-19-94	23.1
					05-25-94	19.0
					06-23-94	19.6
					07-19-94	4.96
					03-27-95	73.4
					05-31-95	(e) 350
					07-24-95	119
					08-17-95	170

* Operated as a continuous gaging station.

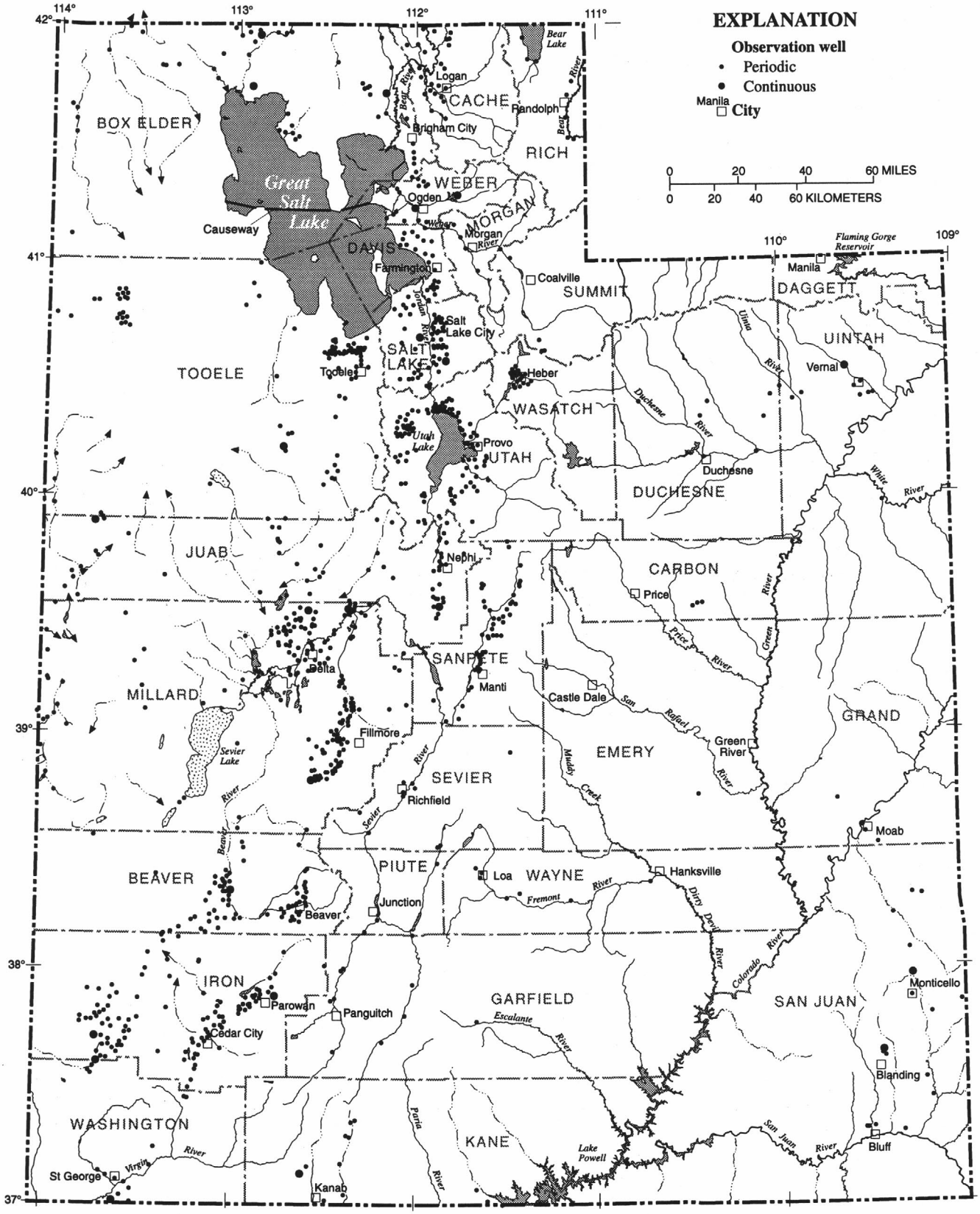

Figure 11. Locations of observation wells in Utah where data were obtained on ground-water levels.

BEAVER COUNTY

382020112585901. LOCAL NUMBER, (C-28-10)28cdd-1.

LOCATION.--Lat 38°20'20", Long 112°58'59", Hydrologic Unit 16030007.

Owner: Wiseman.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in., depth 360 ft, cased to 60 ft.

DATUM.--Elevation of land-surface datum is 5,019 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good except those for Oct. 1-4, which are poor, and those for June 22 to Aug. 3, which are fair.

PERIOD OF RECORD.--April 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.99 ft below land-surface datum, Sep. 30, Oct. 1, 1984; lowest, 68.97 ft below land-surface datum, June 2, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	51.84	46.87	46.55	46.36	46.41	46.38	46.61	57.57	67.06	56.76	55.74	62.06
10	49.01	46.76	46.54	46.40	46.36	46.43	46.87	60.76	61.79	58.16	55.34	60.63
15	47.92	46.72	46.56	46.36	46.34	46.48	47.23	61.82	58.64	59.41	58.57	55.60
20	47.49	46.66	46.54	46.40	46.42	46.48	49.51	61.92	56.34	59.37	60.10	51.69
25	47.21	46.61	46.48	46.37	46.39	46.56	50.48	64.42	54.61	59.82	60.74	49.67
EOM	47.00	46.62	46.46	46.40	46.40	46.58	52.77	66.42	55.18	59.45	61.85	48.31

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.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.00 ft below land-surface datum, July 27, Sep. 12, 1984; lowest, 25.77 ft below land-surface datum, May 19, 20, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.54	24.55	24.63	24.94	25.27	25.36	25.63	25.67	e25.40	e25.15	24.78	24.33
10	24.59	24.54	24.75	24.97	25.25	25.44	25.61	25.64	e25.35	25.11	24.66	24.23
15	24.49	24.56	24.76	24.94	25.15	25.48	25.66	25.56	e25.30	25.05	24.59	24.20
20	24.53	24.53	24.85	25.03	25.38	25.49	25.64	25.58	e25.30	24.99	24.55	24.15
25	24.57	24.62	24.87	25.10	25.40	25.45	25.75	25.51	e25.20	24.92	24.47	24.10
EOM	24.59	24.66	24.90	25.20	25.40	25.60	25.71	e25.50	e25.20	24.88	24.40	24.02

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, July 25, 1987; lowest, 25.86 ft below land-surface datum, Nov. 11, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.60	25.66	25.62	25.50	e25.39	e25.24	25.17	25.06	25.00	25.15	25.23	25.41
10	25.64	25.63	25.61	25.49	e25.36	25.24	25.18	25.06	25.04	25.15	25.24	25.42
15	25.61	25.63	25.59	25.48	e25.34	25.23	25.15	25.03	25.05	25.21	25.27	25.41
20	25.64	25.65	25.59	25.50	e25.31	25.20	25.14	25.02	25.07	25.22	25.31	25.43
25	25.65	25.61	25.56	25.45	e25.29	25.23	25.13	25.00	25.09	25.21	25.38	25.43
EOM	25.66	25.64	25.56	e25.42	e25.27	25.21	25.12	25.02	25.11	25.24	25.41	25.45

e Estimated

BOX ELDER COUNTY--Continued

415703112514501. LOCAL NUMBER, (B-14-9)9add-1.

LOCATION.--Lat 41°57'03", long 112°51'45", Hydrologic Unit 16020309.

Owner: Cyprus Farms Inc.

AQUIFER.--Basalt.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 20 in, depth 400 ft, cased to 395 ft.

DATUM.--Land-surface datum is 4,384 ft above sea level. Measuring point: Top of casing, at land-surface datum.

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

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.12 ft below land-surface datum, Apr. 16, 1988; lowest, 180.25 ft below land-surface datum, Sept. 16, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	177.19	171.11	169.03	167.72	167.49	166.76	166.54	167.54	174.44	175.34	178.12	177.78
10	175.41	170.52	168.80	167.71	167.20	166.52	166.83	168.28	172.98	175.71	177.75	177.61
15	174.09	170.17	168.71	167.56	167.22	166.64	166.95	169.21	173.38	176.27	177.78	178.13
20	173.27	169.97	168.59	167.70	167.21	166.27	167.03	171.60	174.02	177.39	178.49	177.04
25	172.41	169.39	168.26	167.45	166.96	166.50	167.08	172.99	174.54	178.05	176.48	177.46
EOM	171.59	169.35	168.19	167.59	166.95	166.39	167.12	174.48	174.97	178.15	177.71	176.02

IRON COUNTY

375241112471001. LOCAL NUMBER, (C-34-8)5bca-1.

LOCATION.--Lat 37°52'41", long 112°47'10", Hydrologic Unit 16030006.

Owner: Paragonah Canal Company.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISITCS.--Drilled unused artesian well, diameter 12 in., depth 420 ft.

DATUM.--Elevation of land-surface datum is 5,802 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1935 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.45 ft below land-surface datum, June 26, 1949; lowest, 56.20 ft below land-surface datum, Apr. 14, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.27	53.71	54.19	54.95	55.48	55.78	56.11	55.69	51.61	48.68	49.04	48.09
10	52.98	53.47	54.29	55.03	55.55	55.88	56.17	55.53	49.20	49.35	49.00	48.16
15	53.39	53.67	54.48	55.09	55.64	55.89	56.11	55.20	49.33	49.09	49.37	47.72
20	53.73	53.66	54.65	55.30	55.76	55.97	56.10	54.76	49.48	48.42	49.17	48.13
25	54.07	53.79	54.79	55.33	55.76	56.07	55.92	54.24	47.91	48.23	49.37	48.90
EOM	53.29	54.04	54.93	55.47	55.79	56.09	55.87	53.09	48.99	49.13	48.36	48.84

374252113391801. LOCAL NUMBER, (C-35-16)33bcc-1.

LOCATION.--Lat 37°42'52", long 113°39'18", Hydrologic Unit 16030006.

OWNER.--Charles F. Twitchell

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 16 in., depth 160 ft.

DATUM.--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 except those for Oct. 1-3, which are poor. Water level estimated at 119.5 ft below land surface datum Aug. 31, Sept. 5, 1994.

PERIOD OF RECORD.--September 1947 to 1953, 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.06 ft below land-surface datum, Sept. 11, 1947; lowest, 119.14 ft below land-surface datum, Sept. 10, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	118.54	116.82	115.39	114.07	113.36	112.43	111.69	110.57	112.32	113.49	116.06	119.07
10	118.23	116.44	115.05	114.04	113.14	112.32	111.58	110.83	112.84	113.99	116.49	119.14
15	117.87	116.20	115.10	113.86	113.22	112.23	111.24	111.29	113.02	114.77	117.15	119.03
20	117.68	116.11	114.90	113.82	112.88	112.04	111.00	111.80	112.80	115.37	117.81	118.69
25	117.33	115.71	114.68	113.61	112.74	112.11	110.66	112.32	112.88	115.69	118.12	118.31
EOM	117.00	115.59	114.57	113.51	112.64	111.88	110.52	112.11	113.14	115.92	118.65	118.10

IRON COUNTY--Continued

373735113393801. LOCAL NUMBER, (C-36-16)29daa-1.

LOCATION.--Lat 37°37'35", long 113°39'38", Hydrologic Unit 16030006.

Owner: George Gardner.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in., depth 380 ft.

DATUM.--Land-surface datum is 5,233.36 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--There are several nearby pumped wells. Records fair except those for estimated days and those for Oct. 1-28, which are poor.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 167.63 ft below land-surface datum, Apr. 12, 1990; lowest, 190.22 ft below land-surface datum, Aug. 16, 1994.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	183.21	181.48	179.95	178.46	e177.90	176.64	175.87	176.76	178.11	183.36	184.51	186.51
10	182.74	180.95	179.68	178.52	e177.70	176.58	175.92	178.35	179.23	183.80	185.27	e185.80
15	182.18	180.81	179.69	178.24	177.51	176.52	175.54	178.88	177.91	186.22	185.93	e185.10
20	182.16	180.78	179.52	178.37	177.30	176.20	175.45	179.89	177.66	186.81	186.08	e184.40
25	181.74	180.16	e179.15	178.07	177.03	176.30	175.14	178.89	177.90	182.76	186.71	e183.70
EOM	181.68	180.26	179.12	177.99	176.98	176.15	175.08	178.80	182.56	182.16	187.63	e183.00

JUAB COUNTY

395259113430401. LOCAL NUMBER, (C-11-17)12cbb-1.

LOCATION.--Lat 39°52'59", long 113°43'04", Hydrologic Unit 16020306.

Owner: Dorcy Sabey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth unknown.

DATUM.--Elevation of land-surface datum is 4,390.00 ft sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1986 to September 1995 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.11 ft below land-surface datum, June 20, 1995; lowest, 55.11 ft below land-surface datum, Aug. 6, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.05	53.35	53.00	52.87	52.88	e52.85	52.52	51.75	46.89	45.97	46.36	47.92
10	54.24	53.26	52.98	52.87	52.85	52.82	52.45	51.00	46.60	46.90	46.65	48.07
15	53.93	53.16	52.98	52.86	52.88	52.81	52.35	50.80	45.95	46.20	46.85	48.40
20	53.77	53.11	52.97	52.88	52.91	52.75	52.58	50.72	45.11	46.10	47.19	48.54
25	53.61	53.04	52.95	52.87	52.89	52.75	52.61	49.94	45.40	46.05	47.37	48.70
EOM	53.43	53.03	52.95	52.87	e52.89	52.62	52.62	48.32	45.76	46.06	47.72	48.93

393143111523301. LOCAL NUMBER, (C-15-1)12aba-1.

LOCATION.--Lat 39°31'43", long 111°52'33", Hydrologic Unit 16030005.

Owner: R. C. Mangelson.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 6 in, depth 117 ft, cased to 117 ft.

DATUM.--Land-surface datum is 5,196.90 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

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

PERIOD OF RECORD.--August 1935 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.41 ft below land-surface datum, May 21, 1985; lowest recorded, 71.51 ft below land-surface datum, Aug. 27, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	71.36	e70.82	e70.60	e70.39	70.17	70.00	69.85	69.43	67.75	e64.70	64.64	64.33
10	71.18	e70.79	e70.57	e70.35	70.13	69.99	69.82	69.32	67.33	e64.90	64.65	64.22
15	71.03	e70.76	e70.53	e70.32	70.09	69.98	69.77	69.14	66.86	65.65	64.61	64.09
20	70.97	e70.73	e70.50	e70.28	70.09	69.93	69.71	68.91	66.24	65.33	64.68	63.99
25	70.90	70.64	e70.46	e70.25	70.05	69.92	69.61	68.57	65.68	65.00	64.68	64.27
EOM	70.84	70.64	e70.42	e70.21	70.04	69.90	69.60	68.13	65.30	64.79	64.66	64.05

e Estimated.

KANE COUNTY

370915112341301 (revised). LOCAL NUMBER, (C-42-6)18cca-1

LOCATION.--Lat 37°09'15", long 112°34'13", Hydrologic Unit 15010003.

Owner: Kanab City.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in. (revised), depth 560 ft.

DATUM.--Land-surface datum is 5,630.00 ft (revised) above sea level. Measuring point: Top of casing, l.6 ft above land-surface datum.

REMARKS.--Records good. Previously reported 19baa-1, 370901112335001.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.51 ft below land-surface datum, Jan. 18, 1988; lowest, 167.40 ft below land-surface datum, Apr. 8, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.66	165.01	164.83	164.46	165.11	164.58	164.87	164.80	164.76	165.02	164.75	164.95
10	164.97	164.74	164.99	164.89	164.72	164.89	164.80	164.99	165.15	164.94	164.74	164.85
15	164.38	165.03	164.96	164.62	164.70	165.01	164.70	164.93	164.73	164.97	164.79	164.79
20	165.12	e165.00	165.10	165.03	165.18	164.79	164.73	165.03	164.88	164.94	165.06	164.79
25	165.06	164.88	164.84	164.83	164.91	164.70	164.87	164.93	164.95	164.87	164.87	164.69
EOM	165.10	165.19	164.92	165.13	164.87	165.00	164.92	165.08	164.96	164.90	164.88	164.87

370650112331002 (revised). LOCAL NUMBER, (C-42-6)32cba-2 (revised).

LOCATION.--Lat 37°05'23", long 112°33'47", Hydrologic Unit 15010003.

Owner: Kanab City.

AQUIFER.--Consolidated Navajo Sandstone.

WELL CHARACTERISTICS.--Drilled well, diameter 6 in., depth 230 ft.

DATUM.--Elevation of land-surface datum is 5,180.00 ft (revised) above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good. Formerly published as 370523112334702, (C-42-6)30dcc-2.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.30 ft below land-surface datum, Apr. 25, l986; lowest, 65.75 ft below land-surface datum, Dec. 13, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.17	60.74	60.32	60.11	59.69	59.21	58.77	60.46	61.17	62.29	62.86	63.23
10	61.13	60.61	60.72	60.10	59.57	59.15	59.78	60.14	61.50	62.47	63.06	63.82
15	61.01	60.58	60.58	59.97	59.59	59.07	60.23	59.86	61.69	62.08	63.24	63.98
20	61.01	60.53	60.45	59.95	59.47	58.95	60.66	60.09	61.63	61.75	63.46	64.15
25	60.93	60.41	60.33	59.82	59.36	58.88	60.94	60.06	61.79	62.13	63.61	64.29
EOM	60.85	60.41	60.26	59.77	59.33	58.82	60.73	60.86	62.03	62.63	63.65	64.48

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.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 99.03 ft below land-surface datum, Apr. 2, 1986; lowest, 174.62 ft below land-surface datum, Aug. 24, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	143.56	134.17	129.04	125.47	123.13	120.89	119.16	150.11	146.52	129.42	123.40	120.62
10	141.33	133.07	128.42	125.17	122.60	120.65	130.32	e151.60	141.10	128.23	122.80	120.31
15	139.50	132.16	127.88	124.59	122.21	120.41	134.66	e153.92	137.23	127.07	122.47	119.99
20	138.22	131.41	127.43	124.36	122.04	120.06	142.02	155.95	134.76	125.99	122.06	119.56
25	136.68	130.38	126.79	123.90	121.55	119.84	144.31	153.34	132.57	125.08	121.56	119.27
EOM	135.36	129.81	126.23	123.41	121.25	119.49	146.46	157.01	130.97	124.18	121.19	119.03

e Estimated.

MILLARD COUNTY--Continued

393020112362201. LOCAL NUMBER, (C-15-7)23bac-1.

LOCATION.--Lat 39°30'20", long 112°36'22", Hydrologic Unit 16030007.

Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in, depth 182 ft.

DATUM.--Elevation of land-surface datum is 4,629 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.57 ft below land-surface datum, Mar. 3, 1989; lowest, 15.91 ft below land-surface datum, Oct. 16, 1980.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.45	13.27	12.59	11.89	11.41	10.89	10.60	10.35	10.58	11.08	11.33	11.29
10	13.52	13.13	12.55	11.83	11.27	10.85	10.59	10.42	10.74	11.14	11.33	11.25
15	13.41	13.05	12.54	11.71	11.20	10.82	10.47	10.40	10.75	11.19	11.34	11.22
20	13.47	12.95	12.35	11.69	11.16	10.72	10.41	10.50	10.85	11.25	11.38	11.20
25	13.46	12.77	12.18	11.55	11.03	10.71	10.39	10.53	10.97	11.28	11.35	11.11
EOM	13.40	12.75	12.09	11.49	11.00	10.69	10.39	10.63	11.04	11.36	11.33	11.11

385844112245801. LOCAL NUMBER, (C-21-5)21aba-1.

LOCATION.--Lat 38°58'44", long 112°24'58", Hydrologic Unit 16030005.

Owner: Delyle Carling.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in., depth 246 ft, cased to 220 ft.

DATUM.--Elevation of land-surface datum is 4,744.44 ft above sea level. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Records good except those for Oct. 1 to Aug. 2, which are fair, and estimated days, which are poor.

PERIOD OF RECORD.--May 1929 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.96 ft above land-surface datum, Feb. 24, 1949; lowest, 83.02 ft below land-surface datum, July 20, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	51.46	50.18	49.24	48.26	47.25	46.26	e45.50	e46.70	47.56	48.23	45.41	41.67
10	51.21	49.99	49.08	48.06	47.04	46.06	e45.60	47.10	47.43	47.77	44.97	41.04
15	50.99	49.84	48.98	47.90	46.88	45.96	e45.70	e47.40	47.20	47.37	44.46	40.76
20	50.79	49.71	48.83	47.76	46.73	45.76	e45.80	e47.80	47.23	46.21	43.89	40.22
25	50.57	49.53	48.67	47.61	46.55	45.63	e46.00	e48.20	48.29	45.76	43.05	39.76
EOM	50.34	49.42	48.50	47.42	46.45	45.46	e46.30	48.42	48.33	45.69	42.00	39.68

384906112330601. LOCAL NUMBER, (C-23-6)17baa-1.

LOCATION.--Lat 38°49'06", long 112°33'06", Hydrologic Unit 16030005.

Owner: Brandon George

AQUIFER.--

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter l8 in., depth 262 ft, cased to 140 ft.

DATUM.--Elevation of land-surface datum is 4,711.00 ft above sea level. Measuring point: Top of casing, 2.0 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.20 ft below land-surface datum, Mar. 3, 1989; lowest, 54.03 ft below land-surface datum, Sept. 6, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.42	37.55	36.89	36.47	36.44	36.11	35.98	40.20	40.13	41.75	41.58	40.10
10	38.83	37.31	36.83	36.51	36.32	36.12	37.27	40.14	38.96	43.04	42.97	41.15
15	38.42	37.23	36.85	36.45	36.41	36.15	38.81	39.92	38.71	41.17	43.00	40.79
20	38.20	37.21	36.84	36.53	36.36	36.02	39.31	41.18	39.33	41.33	43.04	40.61
25	37.93	36.99	36.72	36.43	36.24	36.13	38.58	40.87	39.58	41.56	43.04	40.40
EOM	37.73	37.03	36.72	36.46	36.22	36.08	40.88	41.90	40.33	42.57	41.32	38.95

e Estimated.

SALT LAKE COUNTY

403916111575901. LOCAL NUMBER, (C-2-1)9ccc-1.

LOCATION.--Lat 40°39'16", long 111°57'59", Hydrologic Unit 16020204.

Owner: Salt Lake County Conservancy District.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian unused public supply well, diameter 16 in, depth 795 ft, perforated 187-372 ft.

DATUM.--Elevation of land-surface datum is 4,461 ft sea level. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Records good.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.75 ft below land-surface datum, Oct. 25, 1971; lowest, 86.80 ft below land-surface datum, July 25, 1982.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.49	58.29	58.14	58.23	58.64	58.73	59.11	59.30	59.54	59.80	59.63	59.38
10	58.51	58.21	58.17	58.33	58.60	58.82	59.18	59.44	59.67	59.77	59.58	59.32
15	58.34	58.18	58.18	58.31	58.57	58.91	59.18	59.42	59.64	59.78	59.54	59.27
20	58.41	58.18	58.27	58.43	58.73	58.87	59.18	59.50	59.71	59.76	59.56	59.23
25	58.39	58.10	58.23	58.43	58.71	58.96	59.27	59.51	59.77	59.70	59.46	59.15
EOM	58.37	58.19	58.32	58.57	58.76	59.09	59.33	59.61	59.80	59.72	59.42	59.12

403452111484301. LOCAL NUMBER, (D-3-1)2ccc-1.

LOCATION.--Lat 40°34'52", long 111°48'43", Hydrologic Unit 16020204.

Owner: Metropolitan Water District.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in, depth 1,007 ft, perforated 525-990 ft.

DATUM.--Elevation of land-surface datum is 5,000 ft above sea level. Measuring point: Top of flange, at land-surface datum.

REMARKS.--Records good..

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 515.66 ft below land-surface datum, Nov. 25, 1958; lowest, 596.0 ft below land-surface datum, Oct. 25-31, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	588.06	580.79	576.48	573.38	572.27	571.13	570.19	568.70	567.85	572.37	580.25	585.23
10	586.57	579.79	575.98	573.23	571.77	571.13	570.16	568.76	568.37	573.73	581.61	585.40
15	584.96	579.13	575.66	572.87	571.77	571.29	569.72	568.46	568.34	574.98	582.72	585.60
20	584.09	578.67	575.33	572.86	571.81	570.74	569.43	568.32	569.12	576.03	583.85	585.41
25	582.89	577.63	574.65	572.30	571.38	570.82	569.31	568.19	570.19	576.89	584.02	585.06
EOM	581.63	577.26	574.33	572.44	571.38	570.66	569.14	568.26	571.44	578.82	584.69	584.81

SAN JUAN COUNTY

375243109191301. LOCAL NUMBER, (D-33-24)30dab-1.

LOCATION.--Lat 37°52'43", long 109°19'13", Hydrologic Unit 14080203.

Owner: A. E. C.

AQUIFER.--Sandstone.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in, depth 319 ft.

DATUM.--Land-surface datum is 6,916 ft above sea level. Measuring Point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 159.84 ft below land-surface datum, May 12, 1995; lowest, 202.89 ft below land-surface datum, July 25, 1958.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	160.45	160.58	160.51	160.14	160.84	160.09	160.23	160.04	160.00	160.18	160.22	160.40
10	160.81	160.52	160.68	160.52	160.35	160.40	159.95	160.18	160.28	160.45	160.15	160.32
15	160.16	160.73	160.57	160.24	160.21	160.46	160.01	160.12	160.10	160.45	160.20	160.33
20	160.75	160.44	160.69	160.55	160.71	160.25	159.96	160.22	160.16	160.30	160.42	160.28
25	160.75	160.51	160.60	160.48	160.46	160.05	160.10	160.10	160.27	160.25	160.30	160.29
EOM	160.73	160.83	160.49	160.67	160.39	160.31	160.10	160.28	160.31	160.38	160.36	160.26

SAN JUAN COUNTY--Continued

373830109283201. LOCAL NUMBER, (D-36-22)22daa-1.
LOCATION.--Lat 37°38'30", long 109°28'32", Hydrologic Unit 14080201.
Owner: Joseph L. Nielson.
AQUIFER.--
WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 7 in, depth 140 ft.
DATUM.--Elevation of land-surface datum is 6,200 ft above sea level. Measuring point: Top of 7 in casing, 1.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--October 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.51 ft below land-surface datum, Sept. 20, 1988; lowest, 57.23 ft below land-surface datum, Oct. 20, 1960.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.54	43.15	43.34	43.31	44.43	44.13	44.75	44.70	43.26	42.06	40.73	40.19
10	42.97	43.07	43.63	43.86	44.02	44.58	44.51	44.74	43.48	41.72	40.45	40.14
15	42.40	43.40	43.62	43.57	43.98	44.74	44.68	44.46	42.96	41.46	40.26	40.11
20	42.10	43.17	43.80	44.05	44.66	44.59	44.69	44.32	42.82	41.22	40.43	40.08
25	43.14	43.29	43.71	44.00	44.39	44.42	44.80	43.98	42.66	41.05	40.20	40.12
EOM	43.20	43.71	43.65	44.30	44.39	44.86	44.93	43.83	42.32	40.95	40.19	40.14

SUMMIT COUNTY

404357111324200. LOCAL NUMBER, (D-1-4)18cba-1.
LOCATION.--Lat 40°43'57", long 111°32'42", Hydrologic Unit 16020102.
Owner: Sumner Swaner.
AQUIFER.--Sandstone.
WELL CHARACTERISTICS.--Drilled domestic water table well, diameter 10 in, depth 190 ft, cased to 11 ft.
DATUM.--Land-surface datum is 6,400 ft above sea level. Measuring point: Top of casing, 2.35 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--August 1994 to September 1995.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.97 ft below land-surface datum, Mar. 28, 1995; lowest, 75.21 ft below land-surface datum, Nov. 24, 25, 1994.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.51	74.94	75.01	71.17	59.24	50.52	42.88	52.07	46.32	58.29	59.78	60.83
10	74.58	75.05	74.46	71.81	56.26	50.10	45.81	50.79	47.87	59.00	59.91	61.07
15	74.63	75.10	74.46	72.51	57.26	45.60	48.39	50.29	49.78	59.29	60.03	61.42
20	74.78	75.13	74.25	72.07	58.37	43.97	50.68	49.80	52.48	59.50	60.19	61.82
25	74.87	75.20	73.75	70.99	55.05	39.20	53.31	48.47	55.63	59.63	60.37	62.11
EOM	74.89	75.20	71.45	70.60	52.55	39.73	55.42	45.60	57.54	59.68	60.60	62.80

404333111315800. LOCAL NUMBER, (D-1-4)18ddc-1.
LOCATION.--Lat 40°43'33", long 111°31'58", Hydrologic Unit 16020102.
Owner: Sumner Swaner.
AQUIFER.--alluvium and Limestone.
WELL CHARACTERISTICS.--Unused well, diameter 8 in., depth 150 ft, cased to 150 ft.
DATUM.--Land-surface datum is 6,360 ft above sea level. Measuring point: Top of casing, at 1.60 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July 1994 to September 1995.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.53 ft below land-surface datum, June 8, 1995; lowest, 18.23 ft below land-surface datum, August 7, 8, 1994.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.69	17.83	17.19	16.95	17.49	17.37	17.02	16.56	15.68	16.02	16.73	17.40
10	17.83	17.81	17.36	16.72	17.59	16.60	16.83	16.80	15.83	16.19	16.81	17.55
15	17.65	17.69	17.17	17.36	17.23	16.14	17.06	16.45	15.70	16.39	16.85	17.64
20	17.77	17.68	16.95	17.44	17.60	16.10	17.03	16.44	15.84	16.50	17.03	17.66
25	17.80	17.62	16.92	17.48	17.54	16.41	17.11	15.87	15.98	16.48	17.04	17.71
EOM	17.85	17.22	17.07	17.71	17.33	16.90	16.73	16.19	15.97	16.61	17.32	17.67

TOOELE COUNTY

401312112442301. LOCAL NUMBER, (C-7-8)10cbd-1.

LOCATION.--Lat 40°13'12", long 112°44'23", Hydrologic Unit 16020305.

Owner: Dugway Proving Ground.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 175 ft, cased to l75 ft, perforated 115-175 ft.

DATUM.--Elevation of land-surface datum is 4,850 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--November 1946 to March 1947, January 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 73.32 ft below land-surface datum, Jan. 26, 1951; lowest, 93.67 ft below land-surface datum, Oct. 15, 1966.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	78.38	77.86	77.29	76.76	76.60	76.19	75.96	75.76	75.51	76.40	77.50	78.45
10	78.36	77.68	77.19	76.73	76.45	76.16	76.07	75.81	75.78	76.56	77.68	78.40
15	78.21	77.57	77.21	76.66	76.57	76.21	75.92	75.78	75.64	76.74	77.92	e78.45
20	78.24	77.59	77.17	76.74	76.47	76.00	75.88	75.76	75.77	76.86	78.12	e78.45
25	78.10	77.35	77.03	76.64	76.30	76.18	75.84	75.75	75.91	77.02	78.19	e78.45
EOM	77.95	77.42	76.97	76.65	76.29	76.10	75.88	75.74	76.18	77.31	78.34	e78.44

UINTAH COUNTY

403158109372201. LOCAL NUMBER, (D-3-20)25abc-2.

LOCATION.--Lat 40°31'58", long 109°37'22", Hydrologic Unit 14060002.

Owner: H. T. Peltier.

AQUIFER.--Glacial outwash.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 43 ft, cased to 42 ft.

DATUM.--Land-surface datum is 5,992 ft above sea level. Measuring point: Top of casing, 1.00 ft above land- surface datum.

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

PERIOD OF RECORD.--May 1965 to August 1966, March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.97 ft below land-surface datum, July 5, 1966; lowest, 8.88 ft below land-surface datum, Sept. 7, 1989.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.48	6.48	6.49	6.54	6.54	6.08	6.57	6.49	6.35	4.52	5.39	6.05
10	6.66	6.53	6.54	6.52	6.40	6.28	6.65	6.62	6.37	4.55	5.52	6.16
15	6.58	6.57	6.57	6.50	6.46	6.31	6.64	6.72	4.19	4.80	5.55	6.31
20	6.36	6.52	6.60	6.54	6.44	6.40	6.46	6.74	4.13	4.82	5.68	6.29
25	6.55	6.54	6.57	6.57	6.02	6.44	6.61	6.39	3.64	5.09	5.75	6.28
EOM	6.63	6.57	6.55	6.59	5.75	6.51	6.60	6.37	4.10	5.34	5.91	6.15

UTAH COUNTY

401818112014501. LOCAL NUMBER, (C-6-2)14aba-1.

LOCATION.--Lat 40°18'18", long 112°01'45", Hydrologic Unit 16020201.

Owner: Coop Security Corp.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in, depth 1,258 ft, cased to 1,254 ft.

DATUM.--Land-surface datum is 4,865.70 ft above sea level. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--December 1954 to April 1955, March 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 108.52 ft below land-surface datum, Feb. 14, 1995; lowest, 141.41 ft below land-surface datum, Aug. 15, 1965.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e109.00	108.77	108.68	108.59	108.79	108.64	108.66	108.59	108.56	108.58	108.82	108.88
10	e109.00	108.76	108.74	108.62	108.65	108.68	108.65	108.69	108.68	108.74	108.79	108.86
15	108.77	108.77	108.70	108.57	108.62	108.68	108.63	108.66	108.67	108.84	108.82	108.88
20	108.79	108.74	108.76	108.69	108.82	108.63	108.62	108.72	108.59	108.81	108.90	108.73
25	108.83	108.73	108.66	108.65	108.74	108.60	108.67	108.62	108.62	108.80	108.88	108.85
EOM	108.83	108.77	108.71	108.75	108.73	108.70	108.64	108.69	108.71	108.86	108.71	108.90

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, 3.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1935 to December 1936, April 1947, March 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.07 ft above land-surface datum, Apr. 10, 1983, 1984; lowest, 35.29 ft below land-surface datum, Aug. 31, 1963.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.68	19.71	18.29	17.67	17.42	16.76	16.00	16.12	15.06	16.65	19.58	18.67
10	21.85	19.53	18.19	17.54	17.30	16.62	16.43	15.96	14.43	17.33	20.42	18.56
15	20.99	18.87	18.23	17.37	17.01	16.37	16.85	16.00	14.58	17.35	20.24	19.29
20	20.44	19.01	18.03	17.34	17.06	16.10	16.45	16.23	15.24	17.73	21.08	18.45
25	20.30	18.60	17.78	17.41	16.81	15.90	16.54	15.97	16.22	17.52	18.94	17.63
EOM	19.84	18.28	17.76	17.08	16.74	15.86	16.61	15.80	17.29	19.41	19.84	16.88

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 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.22 ft below land-surface datum, July 06, 1989; lowest, 17.16 ft below land-surface datum Feb. 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	13.38	FEB 06, 1995	15.40	JUL 05, 1995	13.23
NOV 07, 1994	13.91	MAR 14, 1995	14.70	AUG 01, 1995	13.18
DEC 05, 1994	14.84	MAY 01, 1995	13.77	SEP 12, 1995	13.10
JAN 10, 1995	15.83	JUN 05, 1995	14.16		

403403111253501. LOCAL NUMBER, (D-3-5)7cdb-1.

LOCATION.--Lat 40°34'03", long 111°25'35", Hydrologic Unit 16020203.

Owner: Glade Givens.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 4 in., depth 88 ft.

DATUM.--Elevation of land-surface datum is 5,759 ft above sea level. Measuring point: So. edge of opening above well at east corner, 3.65 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1966 to September 1968, July 1988 to July 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.05 below land-surface datum, June 28, 1993; lowest, 23.89 ft below land-surface datum, Mar. 20, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	3.38	FEB 06, 1995	3.19	JUL 05, 1995	3.46
NOV 07, 1994	4.99	MAR 14, 1995	2.64	AUG 01, 1995	5.08
DEC 05, 1994	3.66	MAY 01, 1995	2.59	SEP 12, 1995	5.51
JAN 10, 1995	3.66	JUN 05, 1995	2.90		

WASATCH COUNTY--Continued

403325111254601. LOCAL NUMBER, (D-3-5)18cba-1.

LOCATION.--Lat 40°33'25", long 111°25'46", Hydrologic Unit 16020202.

Owner: North Orem LDS Stake.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,700 ft above sea level. Measuring point: Top of plug hole in cap, 2.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.83 ft below land-surface datum, Aug. 05, 1993; lowest, 28.24 ft below land-surface datum, Aug. 02, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	14.35	FEB 06, 1995	17.95	JUL 05, 1995	11.65
NOV 07, 1994	16.75	MAR 14, 1995	16.20	AUG 01, 1995	12.63
DEC 05, 1994	17.90	MAY 01, 1995	14.77	SEP 12, 1995	11.45
JAN 10, 1995	18.34	JUN 05, 1995	11.30		

403305111251901. LOCAL NUMBER, (D-3-5)18dcc-1.

LOCATION.--Lat 40°33'05", long 111°25'19", Hydrologic Unit 16020203.

Owner: Hugh Smith.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISITCS.--Diameter 8 in., depth 243 ft.

DATUM.--Elevation of land-surface datum is 5,695 ft above sea level. Measuring point: Top of casing, 2.45 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.41 ft below land-surface datum, June 01, 1989; lowest, 99.62 ft below land-surface datum, Apr. 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	94.42	FEB 06, 1995	98.92	JUL 05, 1995	91.47
NOV 07, 1994	98.39	MAR 14, 1995	98.39	AUG 15, 1995	92.17
DEC 05, 1994	98.55	MAY 01, 1995	97.34	SEP 12, 1995	92.43
JAN 10, 1995	98.52	JUN 05, 1995	93.67		

403243111252701. LOCAL NUMBER, (D-3-5)19bdd-2.

LOCATION.--Lat 40°32'43", long 111°25'27", Hydrologic Unit 16020203.

Owner: Melvin C. Cummings.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 5 in., depth 120 ft.

DATUM.--Elevation of land-surface datum is 5,654 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.66 ft below land-surface datum, May 10, 1994; lowest, 23.61 ft below land-surface datum, Jan 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	17.78	FEB 06, 1995	23.29	JUL 05, 1995	15.40
NOV 07, 1994	20.09	MAR 14, 1995	21.65	AUG 15, 1995	15.93
DEC 05, 1994	21.93	MAY 01, 1995	17.40	SEP 12, 1995	16.15
JAN 10, 1995	23.61	JUN 05, 1995	15.62		

WASATCH COUNTY--Continued

403237111255201. LOCAL NUMBER, (D-3-5)19cbb-1.

LOCATION.--Lat 40°32'37", long 111°25'52", Hydrologic Unit 16020203.

Owner: Don D. Sorenson

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,650 ft above sea level. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.49 ft below land-surface datum, July 05, 1995; lowest, 11.63 ft below land-surface datum, Apr. 12, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	8.40	FEB 06, 1995	9.93	JUL 05, 1995	7.49
NOV 07, 1994	9.33	MAR 14, 1995	9.29	AUG 15, 1995	8.32
DEC 05, 1994	9.41	MAY 01, 1995	8.29	SEP 12, 1995	8.21
JAN 10, 1995	10.15	JUN 05, 1995	8.18		

403127111240301. LOCAL NUMBER, (D-3-5)29cac-1.

LOCATION.--Lat 40°31'27", long 111°24'03", Hydrologic Unit 16020203.

Owner: Leslie North.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Dug domestic water-table well, diameter 4 ft., depth 15 ft, rock lined.

DATUM.--Elevation of land-surface datum is 5,608 ft above sea level. Measuring point: Top of concrete platform,

REMARKS.--Records good.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.18 ft below land-surface datum, Sept. 13, 1974; lowest, 11.14 ft below land-surface datum, Mar. 31, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	4.35	FEB 06, 1995	10.21	JUN 05, 1995	4.39
NOV 07, 1994	6.18	MAR 14, 1995	9.94	JUL 05, 1995	2.05
DEC 05, 1994	8.73	MAR 21, 1995	10.29	AUG 15, 1995	2.95
JAN 10, 1995	9.98	MAY 01, 1995	10.48	SEP 12, 1995	2.71

403149111255601. LOCAL NUMBER, (D-3-5)30bcc-1.

LOCATION.--Lat 40°31'49", long 111°25'56", Hydrologic Unit 16020203.

Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 6.5 ft.

DATUM.--Elevation of land-surface datum is 5,594 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--December 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.21 ft below land-surface datum, June 28, 1993; lowest, 2.77 ft below land-surface datum, Jan. 03, Feb. 09, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	0.71	FEB 06, 1995	1.41	JUL 05, 1995	1.44
NOV 07, 1994	2.66	MAR 14, 1995	0.92	AUG 01, 1995	1.82
DEC 05, 1994	1.63	MAY 01, 1995	1.24	SEP 12, 1995	0.49
JAN 10, 1995	2.14	JUN 05, 1995	1.74		

WASATCH COUNTY--Continued

403004111280301. LOCAL NUMBER, (D-4-4)2bcd-1.

LOCATION.--Lat 40°30'04", long 111°28'03", Hydrologic Unit 16020203.

Owner: E. Dealton Partridge.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 105 ft.

DATUM.--Elevation of land-surface datum is 5,500 ft above sea level.Measuring point: Top of cap on casing, 5.00 ft below land-surface datum.

REMARKS.--Records good.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.91 ft below land-surface datum, June 05, 1995; lowest, 51.48 ft below land-surface datum, Apr. 11, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	48.97	MAY 01, 1995	50.26	AUG 10, 1995	47.12
NOV 07, 1994	50.15	JUN 05, 1995	45.91	SEP 12, 1995	47.85
MAR 14, 1995	50.79	JUL 05, 1995	46.60		

402955111281101. LOCAL NUMBER, (D-4-4)2cbb-1.

LOCATION.--Lat 40°29'55", long 111°28'11", Hydrologic Unit 16020203.

Owner: David A. Kinsey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 158 ft.

DATUM.--Elevation of land-surface datum is 5,480 ft above sea level.Measuring point: Bottom of cap at wiring entrance, 2.00 ft above land-surface datum.

REMARKS.--Records good.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.09 ft below land-surface datum, July 05, 1995; Lowest, 25.39 ft below land-surface datum, Jan 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	23.34	JAN 10, 1995	25.39	MAY 01, 1995	24.62
NOV 07, 1994	24.26	FEB 06, 1995	25.30	JUN 05, 1995	20.86
DEC 05, 1994	24.92	MAR 14, 1995	24.97	JUL 05, 1995	20.09

402937111283501. LOCAL NUMBER, (D-4-4)3dcd-1.

LOCATION.--Lat 40°29'37", long 111°28'35", Hydrologic Unit 16020203.

Owner: Pride Lane Farm.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,475 ft above sea level. Measuring point: Top of casing, 0.41 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.12 ft below land-surface datum, July, 05 1995; lowest, 13.70 ft below land-surface datum, Jan 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	11.83	MAR 14, 1995	12.98	AUG 15, 1995	9.05
NOV 07, 1994	12.67	MAY 01, 1995	13.06	SEP 12, 1995	8.99
JAN 10, 1995	13.70	JUN 05, 1995	7.22		
FEB 06, 1995	13.41	JUL 05, 1995	7.12		

WASATCH COUNTY--Continued

402902111282001. LOCAL NUMBER, (D-4-4)10daa-1.
LOCATION.--Lat 40°29'02", long 111°28'20", Hydrologic Unit 16020203.
Owner: U.S. Geological Survey.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 65 ft.
DATUM.--Elevation of land-surface datum is 5,430 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--November 1988 to August 1989, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.81 ft below land-surface datum, June 28, 1993; lowest, 3.99 ft below land-surface datum, Aug. 02, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	3.23	FEB 06, 1995	3.47	JUL 05, 1995	0.96
NOV 07, 1995	3.46	MAR 14, 1995	3.29	AUG 15, 1995	2.61
DEC 05, 1994	3.11	MAY 01, 1995	3.55	SEP 12, 1995	3.07
JAN 10, 1995	3.49	JUN 05, 1995	2.52		

402842111263101. LOCAL NUMBER, (D-4-4)12dcc-1.
LOCATION.--Lat 40°28'42", long 111°26'31", Hydrologic Unit 16020203.
Owner: Heber Valley Special Services Dist.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--
DATUM.--Elevation of land-surface datum is 5,545 ft above sea level. Measuring point: Top of concrete walkway at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--September 1949 to October 1950, July 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.00 ft below land-surface datum, July 03, 1950; lowest, 70.31 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	58.50	FEB 06, 1995	69.91	JUL 05, 1995	38.42
NOV 07, 1994	60.03	MAR 14, 1995	70.31	AUG 15, 1995	36.34
DEC 05, 1994	65.66	MAY 01, 1995	54.50	SEP 12, 1995	42.27
JAN 10, 1995	68.60	JUN 05, 1995	37.57		

402809111281601. LOCAL NUMBER, (D-4-4)15daa-1.
LOCATION.--Lat 40°28'09", long 111°28'16", Hydrologic Unit 16020203.
Owner: Verlo E. Kendrick.
AQUIFER.--Unconsolidated alluvium.
WELL CHARACTERISTICS.--Depth 28 ft.
DATUM.--Elevation of land-surface datum is 5,430 ft above sea level. Measuring point: Top of casing, 0.0 ft at land-surface datum.
REMARKS.--Records good.
PERIOD OF RECORD.--July to September 1988, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.21 ft below land-surface datum, June 28, 1993; lowest, 18.88 ft below land-surface datum, Sept. 08, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	16.09	JUN 05, 1995	10.67	AUG 15, 1995	6.41
MAY 01, 1995	15.49	JUL 05, 1995	4.04	SEP 12, 1995	10.34

WASATCH COUNTY--Continued

402753111282001. LOCAL NUMBER, (D-4-4)15ddd-3.

LOCATION.--Lat 40°27'53", long 111°28'20", Hydrologic Unit 16020202.

Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 30 ft.

DATUM.--Elevation of land-surface datum is 5,420 ft above sea level. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--December 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.70 ft above land-surface datum, June 28, 1993, July 05, 1995; lowest, 17.22 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	-13.85	FEB 06, 1995	-16.84	JUL 05, 1995	2.70
NOV 07, 1994	-16.00	MAR 14, 1995	-15.52	AUG 15, 1995	-0.98
DEC 05, 1994	-16.56	MAY 01, 1995	-10.93	SEP 12, 1995	-6.16
JAN 10, 1995	-17.22	JUN 05, 1995	-3.63		

402742111281501. LOCAL NUMBER, (D-4-4)23bbb-2.

LOCATION.--Lat 40°27'42", long 111°28'15", Hydrologic Unit 16020203.

Owner: Shirley Lewis.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 36 in., depth 25 ft.

DATUM.--Elevation of land-surface datum is 5,426 ft above sea level. Measuring point: Top of sandstone slab over well, at land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.68 ft below land-surface datum, June 28, 1993; lowest, 23.37 ft below land-surface datum, Feb. 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	19.92	FEB 06, 1995	23.18	JUL 05, 1995	6.87
NOV 07, 1994	21.78	MAR 14, 1995	23.16	AUG 15, 1995	9.57
DEC 05, 1994	22.40	MAY 01, 1995	16.60	SEP 12, 1995	14.27
JAN 10, 1995	22.96	JUN 05, 1995	10.47		

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, 15.59 ft below land-surface datum, July 05, 1994; lowest, 35.42 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	27.81	FEB 06, 1995	33.47	JUN 05, 1995	25.20
DEC 05, 1994	32.70	MAR 14, 1995	30.64	JUL 05, 1995	19.33
JAN 10, 1995	35.42	MAY 01, 1995	27.10	SEP 12, 1995	17.77

WASATCH COUNTY--Continued

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, 4.02 ft below land-surface datum, Sept. 08, 1993; lowest, 37.48 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	24.70	JAN 10, 1995	35.74	MAY 01, 1995	33.05
NOV 07, 1994	28.36	FEB 06, 1995	37.10	AUG 15, 1995	4.49
DEC 05, 1994	32.49	MAR 14, 1995	37.48		

402856111252701. LOCAL NUMBER, (D-4-5)7cad-1.

LOCATION.--Lat 40°28'56", long 111°25'27", Hydrologic Unit 16020203.

Owner: Heber City Corp. (Airport)

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 155 ft.

DATUM.--Elevation of land-surface datum is 5,615 ft above sea level. Measuring point: Top of well cover, 8.0 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 60.23 ft below land-surface datum, Aug. 10, 1995; lowest, 117.45 ft below land-surface datum, Mar. 14, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	95.25	FEB 06, 1995	115.43	JUL 05, 1995	68.43
NOV 07, 1994	100.40	MAR 14, 1995	117.45	AUG 10, 1995	60.23
DEC 05, 1994	106.80	MAY 01, 1995	111.64	SEP 12, 1995	65.36
JAN 10, 1995	112.59	JUN 05, 1995	83.53		

402834111202601. LOCAL NUMBER, (D-4-5)14aac-1.

LOCATION.--Lat 40°28'34", Long 111°20'26", Hydrologic Unit 16020203.

Owner: Sweat

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 104 ft.

DATUM.--Elevation of land-surface datum is 6,020 ft above sea level. Measuring point: Lip of access hole, 2.47 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.63 ft below land-surface datum, July 6, 1989; lowest, 11.82 ft below land-surface datum, Jan. 10, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	11.72	MAR 14, 1995	11.53	AUG 15, 1995	9.16
NOV 07, 1994	11.77	MAY 01, 1995	10.97	SEP 12, 1995	10.34
JAN 10, 1995	11.82	JUN 05, 1995	10.58		
FEB 06, 1995	11.76	JUL 05, 1995	10.11		

WASATCH COUNTY--Continued

402840111213801. LOCAL NUMBER, (D-4-5)15aab-1.

LOCATION.--Lat 40°28'40", long 111°21'38", Hydrologic Unit 16020203.

Owner: Doyle Sweat.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,900 ft above sea level. Measuring point: Lip of plug hole, 1.06 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to May 1990, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.00 ft below land-surface datum, May 28, 1990; lowest, 22.62 ft below land-surface datum, Aug. 02, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	18.25	FEB 06, 1995	18.18	JUL 05, 1995	16.37
NOV 07, 1994	17.36	MAR 14, 1995	17.14	AUG 15, 1995	16.87
DEC 05, 1994	17.61	MAY 01, 1995	19.37	SEP 12, 1995	18.72
JAN 10, 1995	18.01	JUN 05, 1995	15.63		

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, 123.52 ft below land-surface datum, Oct. 25, 1995; lowest, 135.73 ft below land-surface datum, Oct. 06, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	135.73	FEB 06, 1995	131.17	JUL 05, 1995	126.17
NOV 07, 1994	127.98	MAR 14, 1995	131.52	AUG 10, 1995	124.47
DEC 05, 1994	125.96	MAY 01, 1995	130.21	SEP 12, 1995	124.97
JAN 10, 1995	131.23	JUN 05, 1995	127.09		

402750111232701. LOCAL NUMBER, (D-4-5)16ccd-1.

LOCATION.--Lat 40°27'50", long 111°23'27", Hydrologic Unit 16020203.

Owner: Blaine Webster.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,850 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.22 ft below land-surface datum, May 10, 1994; lowest, 95.16 ft below land-surface datum, Dec. 08, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, OCTOBER 1994 TO SEPTEMBER 1995

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06, 1994	89.72	JUN 05, 1995	87.34	AUG 15, 1995	89.01
NOV 07, 1994	91.81	JUL 05, 1995	86.06	SEP 12, 1995	91.80

WEBER COUNTY

411544111461001. LOCAL NUMBER, (A-6-2)18bad-1.

LOCATION.--Lat 41°15'44", long 111°46'10", Hydrologic Unit 16020102.

Owner: U.S. Bureau of Reclamation.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 155 ft, perforated 105-115 ft, 125-145 ft.

DATUM.--Land-surface datum is 4,924 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1956 to March 1966, October 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.93 ft below land-surface datum, June 5, 1985; lowest, 34.96 ft below land-surface datum, Nov. 30, 1956.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.26	22.37	21.60	20.72	20.24	18.02	16.49	16.04	13.72	9.81	17.36	22.01
10	23.25	22.17	21.52	20.65	20.03	18.07	16.16	15.40	11.31	13.68	18.56	22.61
15	23.28	22.05	21.31	20.45	19.76	16.35	15.86	14.50	13.94	13.48	18.54	23.22
20	22.58	22.27	21.36	20.48	19.68	15.81	15.65	15.11	14.92	14.57	18.86	23.73
25	23.03	22.57	21.22	20.50	19.97	15.34	15.95	14.89	11.46	14.41	18.74	24.13
EOM	22.56	21.59	20.97	20.50	19.88	15.84	16.33	12.45	12.81	17.19	21.25	23.28

411348112013601. LOCAL NUMBER, (B-6-2)26ada-1.

LOCATION.--Lat 41°13'48", long 112°01'36", Hydrologic Unit 16020102.

Owner: Amalgamated Sugar Company.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 595 ft, cased to 400 ft.

DATUM.--Land-surface datum is 4,275 ft above sea level. Measuring point: Top of casing, 0.10 ft below land- surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1935 to December 1950, January 1953 to October 1961, February 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.50 ft above land-surface datum, Mar. 11, 1937; lowest, 19.67 ft. below land-surface datum, Sept. 2, 3, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.80	13.11	13.52	13.20	13.18	13.06	12.75	11.17	10.00	9.54	10.41	11.74
10	12.70	13.15	13.57	13.17	13.15	13.08	12.50	11.01	9.76	9.60	10.74	11.70
15	12.50	13.20	13.36	13.06	13.05	13.04	12.23	10.73	9.63	9.67	11.05	11.67
20	12.61	13.21	13.31	13.11	13.16	13.03	11.94	10.58	9.61	9.77	11.32	11.63
25	12.81	13.42	13.27	13.11	13.15	12.96	11.73	10.38	9.60	9.89	11.56	11.61
EOM	13.04	13.53	13.27	13.14	13.14	12.99	11.52	10.21	9.56	10.10	11.76	11.58

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				BEAVER COUNTY						
382924112592901	(C-28-10) 5add- 1	100VLFL	305.00	09-07-95	890	7.4	17.0	--	--	--
382336112592601	(C-28-10) 8add- 2	100VLFL	200.00	07-10-95	1270	7.4	15.5	400	100	36
382019112591701	(C-28-10)28ccc- 1	100VLFL	316.00	07-10-95	1230	7.9	18.5	--	--	--
382313113020901	(C-28-11)12dbc- 2	100VLFL	460.00	07-10-95	2190	7.6	17.5	750	190	68
382020113015701	(C-28-11)25dcd- 1	100VLFL	431.00	07-10-95	2100	7.5	17.0	1000	290	74
381625112412901	(C-29- 7)19bcd- 1	100VLFL	256.00	07-12-95	560	7.5	13.0	230	69	13
381516112422201	(C-29- 8)25cac- 1	100VLFL	250.00	06-27-95	300	8.0	19.0	96	30	5.0
381435112471401	(C-29- 8)31add- 1	100VLFL	310.00	07-12-95	780	7.6	14.0	--	--	--
381835113000001	(C-29-10) 5cdd- 2	100VLFL	95.00	07-10-95	980	7.5	14.5	--	--	--
381901113014101	(C-29-11) 1add- 1	100VLFL	64.00	07-10-95	760	7.8	16.0	--	--	--
381700113033401	(C-29-11)14cdb- 1	100VLFL	--	07-11-95	460	8.1	19.0	150	42	12
381543113035501	(C-29-11)27aad- 1	100VLFL	204.00	07-11-95	820	7.1	20.0	270	82	17
				BOX ELDER COUNTY						
412214112023301	(B- 7- 2) 2cba- 5	100VLFL	342.00	08-22-95	300	7.8	14.0	130	41	5.9
412405112022501	(B- 8- 2)26bcd- 1	100VLFL	118.00	08-22-95	170	7.0	15.5	--	--	--
413057112023901	(B- 9- 2)15daa- 1	100VLFL	465.00	08-22-95	600	8.0	16.5	--	--	--
413806113543401	(B-11-18)33adb- 1	100VLFL	200.00	07-20-95	930	7.7	12.0	330	89	27
414745113063901	(B-12-11) 4bcc- 1	100VLFL	230.00	07-19-95	4290	7.5	18.5	--	--	--
414710113071601	(B-12-11) 8abb- 1		275.00	07-19-95	2970	7.3	14.5	1100	330	78
415823112510801	(B-14- 9) 3acc- 1		--	07-18-95	3200	--	24.0	--	--	--
415847112540401	(B-14- 9) 5bbb- 1	100VLFL	300.00	07-17-95	950	7.5	17.5	--	--	--
415635112533001	(B-14- 9)17caa- 1		608.00	07-18-95	3030	--	19.0	--	--	--
415608112551201	(B-14- 9)19bbb- 1		350.00	07-18-95	1640	--	15.5	--	--	--
415845112562201	(B-14-10) 1bbb- 1	100VLFL	414.00	07-17-95	580	7.5	17.0	220	61	16
415636112564301	(B-14-10)14acd- 1		350.00	07-18-95	1970	--	19.5	--	--	--
415654112573301	(B-14-10)14bbc- 1	100VLFL	840.00	07-18-95	1330	--	24.0	--	--	--
415622112573601	(B-14-10)15dda- 1	100VLFL	840.00	07-18-95	1000	--	19.5	--	--	--
415927112543801	(B-15- 9)31abc- 1	100VLFL	407.00	07-17-95	750	--	18.0	--	--	--
415918112530801	(B-15- 9)32dab- 1		400.00	07-17-95	3970	--	21.5	--	--	--
415939112562201	(B-15-10)36bbb- 1	100VLFL	613.00	07-17-95	485	7.6	17.0	--	--	--
				CACHE COUNTY						
415020111520401	(A-13- 1)29bcd- 1	100VLFL	173.00	07-13-95	460	7.6	13.5	--	--	--
				DAVIS COUNTY						
405535111525101	(A- 2- 1) 7aba- 4	100VLFL	450.00	08-23-95	270	7.5	17.0	--	--	--
405351111540803	(B- 2- 1)24bad- 3	100VLFL	386.00	08-23-95	500	7.9	16.5	--	--	--
410340112030001	(B- 4- 2)27aba- 1		304.00	08-23-95	580	8.0	15.5	43	11	3.7
410354112135201	(B- 4- 3)19caa- 1		430.00	09-05-95	1210	7.8	--	--	--	--
410830111585101	(B- 5- 1)29bdc- 1		627.00	08-29-95	590	7.3	11.5	280	80	19
				DUCHESNE COUNTY						
402114110003301	U(C- 1- 1)33bcc- 1		220.00	06-19-95	770	8.3	16.0	--	--	--
402246110061501	U(C- 1- 2)22cbb- 1	123DCRV	810.00	06-19-95	415	7.5	13.0	--	--	--
402319110025601	U(C- 1- 2)24aaa- 1		260.00	06-19-95	355	7.8	15.0	--	--	--
402135110051901	U(C- 1- 2)27ddc- 1		420.00	06-19-95	350	7.6	13.0	--	--	--
402116110030801	U(C- 1- 2)36adc- 1		170.00	06-19-95	335	7.8	14.0	--	--	--
401940110023601	U(C- 2- 1) 7bbd- 1		820.00	06-19-95	415	8.1	15.0	--	--	--
401823109590401	U(C- 2- 1)15cac- 1	124UINT	600.00	06-20-95	540	9.1	17.0	--	--	--
401946110044601	U(C- 2- 2)11bab- 1	123DCRV	666.00	06-19-95	365	7.7	16.0	--	--	--
401819110041601	U(C- 2- 2)14ddb- 1		465.00	06-19-95	330	7.7	14.0	--	--	--
				GRAND COUNTY						
384247109355501	(D-25-21)35ddc- 1		--	03-03-95	--	--	--	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					BEAVER COUNTY							
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120	4.9	229	260	120	0.90	41	826	1.20	<0.010	17	<1	480
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180	20	206	310	340	2.7	57	1380	21.0	0.010	<10	60	380
88	10	219	580	250	0.30	44	1480	3.50	0.030	<10	20	160
29	6.3	208	38	25	0.60	40	361	3.50	0.020	<3	1	70
20	8.5	101	41	5.6	0.80	73	245	<0.050	0.050	38	61	60
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27	4.9	98	50	49	0.50	45	296	1.50	<0.010	3	<1	70
45	6.0	153	71	110	0.40	44	483	3.50	0.020	<3	<1	110
					BOX ELDER COUNTY							
9.6	1.1	135	8.5	9.5	<0.10	15	173	0.360	0.030	4	9	20
--	--	--	--	--	--	--	--	--	--	--	--	--
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66	7.9	181	84	97	0.40	42	533	2.40	0.040	10	1	160
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130	11	69	50	850	<0.10	24	1530	2.80	<0.010	<10	<10	90
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29	7.3	155	22	72	0.30	61	363	0.330	<0.010	7	1	50
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					CACHE COUNTY							
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					DAVIS COUNTY							
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120	5.3	256	0.70	40	0.40	33	368	<0.050	0.600	260	49	80
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22	2.1	274	20	20	0.10	11	339	0.190	0.030	13	1	50
					DUCHESNE COUNTY							
--	--	--	--	0.70	--	--	--	--	--	--	--	--
--	--	--	--	2.5	--	--	--	--	--	--	--	--
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					GRAND COUNTY							
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				IRON COUNTY						
375257112483501	(C-33- 8)31ccc- 1	100VLFL	450.00	06-27-95	460	7.8	15.0	--	--	--
375320112510003	(C-33- 9)35acd- 3	100VLFL	880.00	07-12-95	455	7.9	15.0	--	--	--
375151112525002	(C-34- 9) 9bbd- 2	100VLFL	324.00	06-27-95	520	7.8	13.0	260	54	30
375006112554801	(C-34-10)24abc- 1	100VLFL	135.00	06-27-95	540	7.9	14.0	230	46	29
374834113384301	(C-34-16)28dcc- 2	100VLFL	148.00	07-11-95	1170	7.5	13.0	460	140	26
374753113464601	(C-34-17)32cca- 1	100VLFL	306.00	07-10-95	560	7.5	20.0	--	--	--
374619113053101	(C-35-11) 9dba- 1	100VLFL	--	06-27-95	640	7.8	14.5	290	59	35
374550113040601	(C-35-11)11ccc- 1	100VLFL	263.00	06-27-95	910	7.8	15.5	--	--	--
374248113075201	(C-35-11)31dbb- 1	100VLFL	--	06-27-95	670	8.0	13.5	330	68	40
374649113305801	(C-35-15) 3dcc- 3		316.00	08-01-95	1420	7.8	15.0	--	--	--
374623113381301	(C-35-16) 9add- 1	100VLFL	150.00	07-10-95	540	7.4	14.0	--	--	--
374105113085001	(C-36-12)12dba- 1	100VLFL	600.00	07-12-95	580	7.9	15.5	--	--	--
374209113322203	(C-36-15) 4bad- 3	100VLFL	320.00	07-10-95	750	7.8	22.0	--	--	--
374040113343102	(C-36-15) 7cdd- 2		500.00	07-10-95	1030	7.8	24.0	200	54	17
374014113391101	(C-36-16) 9bcd- 2	100VLFL	--	07-11-95	420	7.6	16.5	180	58	9.3
373854113411501	(C-36-16)19abb- 1	100VLFL	352.00	07-11-95	485	7.5	13.0	210	64	11
373656113415201	(C-36-17)36aad- 1	100VLFL	363.00	07-11-95	515	7.6	12.0	210	65	12
373542113122401	(C-37-12) 9acc- 1	100VLFL	186.00	06-28-95	370	8.0	16.0	--	--	--
373507113101201	(C-37-12)14baa- 2		150.00	08-22-95	750	--	17.0	--	--	--
373409113095501	(C-37-12)23abd- 1		250.00	08-21-95	670	--	15.5	--	--	--
373407113100801	(C-37-12)23acb- 1	100VLFL	250.00	08-22-95	940	--	15.5	--	--	--
373236113111401	(C-37-12)34abb- 1	100VLFL	190.00	08-16-95	840	7.2	11.0	--	--	--
		100VLFL	190.00	08-22-95	870	--	11.0	--	--	--
		100VLFL	190.00	08-22-95	870	--	11.0	--	--	--
				JUAB COUNTY						
394545111531001	(C-12- 1)24baa- 1	100VLFL	66.00	03-03-95	1200	--	13.5	--	--	--
		100VLFL	66.00	07-10-95	1260	7.5	13.0	--	--	--
394215111530501	(C-13- 1) 1cdd- 1		150.00	07-10-95	990	7.7	11.5	310	70	33
393342111534501	(C-14- 1)26dbd- 1	100VLFL	595.00	07-11-95	1120	--	14.0	--	--	--
393249111532601	(C-14- 1)35ddb- 1	100VLFL	--	07-11-95	1120	--	13.0	--	--	--
393313111524001	(C-14- 1)36adb- 1	100VLFL	359.00	07-11-95	1260	--	13.5	--	--	--
395245111502501	(D-11- 1) 9bbb- 2	100VLFL	70.00	07-10-95	510	7.8	12.5	250	52	28
395100111503501	(D-11- 1)20aab- 1	100VLFL	311.00	07-10-95	610	--	12.5	--	--	--
394951111521101	(D-11- 1)30bda- 1	100VLFL	34.00	03-03-95	600	--	11.0	--	--	--
394518111515801	(D-12- 1)19dbb- 1	100VLFL	248.00	07-10-95	1200	7.6	13.0	310	74	30
394323111515501	(D-12- 1)31cac- 1		--	07-10-95	1020	--	13.5	--	--	--
394137111515001	(D-13- 1) 7dbc- 1		210.00	07-11-95	1300	7.4	12.0	--	--	--
393315111511601	(D-14- 1)31ada- 1	100VLFL	405.00	07-11-95	1130	--	13.0	--	--	--
				KANE COUNTY						
371034112230401	(C-42- 5)11bdb- 1		160.00	07-12-95	670	7.6	14.0	320	78	30
370843112340602	(C-42- 6)19bdc- 2	220NVJO	250.00	08-01-95	260	8.0	16.0	--	--	--
370050112274501	(C-44- 5) 6cbb- 1		--	07-12-95	2560	7.4	17.5	790	160	95
371739112200201	R(C-40- 4)32bad- 1	100VLFL	135.00	07-12-95	1170	7.5	12.0	--	--	--
				MILLARD COUNTY						
393154112192901	(C-15- 4) 8cba- 1	100VLFL	203.00	08-17-95	3320	7.1	14.0	--	--	--
393158112152001	(C-15- 4)11add- 1	100VLFL	485.00	07-12-95	1920	--	15.0	--	--	--
392859112154601	(C-15- 4)26dcc- 1	100VLFL	660.00	07-13-95	750	7.3	16.5	300	84	23
392555112203001	(C-16- 4)18bda- 1	100VLFL	375.00	07-13-95	1760	--	16.5	--	--	--
391832112285601	(C-17- 6)26daa- 3	100VLFL	720.00	07-12-95	650	8.0	21.0	140	27	17
390758112194601	(C-19- 4)29bcd- 1	100VLFL	390.00	05-10-95	1010	7.6	14.0	420	93	46
390628112201401	(C-20- 4) 6aca- 1	100VLFL	506.00	08-24-95	2070	7.3	13.5	--	--	--
385939112272303	(C-21- 5) 7cdd- 3		--	08-23-95	1370	7.1	12.5	480	110	50
390005112262301	(C-21- 5) 8bdc- 2	100VLFL	407.00	08-23-95	860	7.4	17.0	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
						IRON COUNTY						
--	--	--	--	--	--	--	--	--	--	--	--	--
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9.4	3.0	234	30	11	0.20	27	315	2.30	0.040	7	1	30
19	4.6	205	30	29	0.30	41	332	2.40	0.040	5	<1	50
36	8.6	130	110	220	0.50	63	691	2.10	0.020	<3	<1	90
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15	2.4	154	160	7.8	0.30	21	396	0.620	0.050	7	2	40
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9.2	2.9	148	190	14	0.30	21	441	1.50	0.680	<3	<1	30
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130	4.2	121	310	44	2.2	44	680	0.370	<0.010	<3	<1	400
13	3.6	156	12	30	0.30	40	265	1.10	0.040	<3	<1	30
18	4.7	172	17	32	0.30	35	299	3.10	0.040	<3	<1	30
23	5.3	192	19	20	0.30	42	326	5.40	0.060	<3	<1	40
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						JUAB COUNTY						
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86	2.7	229	72	150	0.10	23	582	1.70	<0.010	10	<1	60
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14	1.1	217	29	21	0.10	12	292	1.00	<0.010	<3	<1	40
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130	3.5	204	82	220	0.10	25	695	1.80	0.030	4	3	60
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						KANE COUNTY						
19	2.3	158	180	7.4	0.20	11	434	2.50	0.020	<3	<1	60
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350	9.5	331	1000	70	0.60	15	1910	3.20	0.020	130	100	530
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						MILLARD COUNTY						
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29	1.5	167	91	63	0.10	13	439	7.70	0.040	<3	<1	--
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78	17	240	38	42	1.7	64	431	0.410	0.020	20	3	280
34	1.6	236	23	140	0.10	17	554	13.0	0.030	3	<1	50
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98	3.7	389	140	120	0.10	26	811	6.70	0.020	<3	<1	310
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				MILLARD COUNTY--Continued						
385714112264701	(C-21- 5)29cbc- 1	100VLFL	900.00	05-10-95	2580	7.1	19.5	--	--	--
385715112271201	(C-21- 5)30dbc- 3	100VLFL	773.00	05-10-95	1740	7.2	19.5	--	--	--
390045112281201	(C-21- 6) 1ddb- 1	100VLFL	105.00	08-23-95	1890	7.3	13.5	--	--	--
385511112243501	(C-22- 5)10bbb- 2	100VLFL	338.00	05-10-95	1490	7.2	16.5	--	--	--
385026112261001	(C-23- 5) 5acd- 1	100VLFL	353.00	05-09-95	735	7.7	14.5	--	--	--
384953112325101	(C-23- 6) 8abd- 1	100VLFL	200.00	08-23-95	7700	6.9	15.0	--	--	--
384910112321401	(C-23- 6) 9ccd- 1	100VLFL	136.00	05-09-95	6390	7.0	15.5	1700	440	150
384850112310701	(C-23- 6)15bca- 1		145.00	08-23-95	3370	7.1	15.5	800	200	73
384856112315701	(C-23- 6)16bad- 1		130.00	05-09-95	5090	7.0	15.0	1300	330	110
384829112315901	(C-23- 6)16cda- 1	112PVNT	205.00	05-09-95	4600	7.0	14.0	1200	310	94
				PIUTE COUNTY						
381440111584001	(C-29- 2)35bad- 1	122BRHD	197.00	08-14-95	450	7.7	17.0	190	54	14
381003112010301	(C-30- 2)28bdc- 1		135.00	08-14-95	420	8.0	12.0	--	--	--
				SALT LAKE COUNTY						
405047112014301	(B- 1- 2) 2dac- 1	100VLFL	440.00	08-30-95	860	7.8	27.0	--	--	--
404659112005601	(B- 1- 2)36baa- 1	100VLFL	464.00	08-30-95	6280	7.6	26.0	--	--	--
404158111542401	(C- 1- 1)25cca- 2	100VLFL	345.00	09-06-95	440	--	14.5	210	55	18
404306112031201	(C- 1- 2)22bdd- 4	100VLFL	35.00	08-30-95	2080	7.7	16.0	320	65	39
404045111594201	(C- 2- 1) 6abc- 4	100VLFL	440.00	08-30-95	2560	7.7	19.5	770	110	120
403658111542701	(C- 2- 1)25cbb- 1	100VLFL	680.00	08-31-95	530	7.4	17.5	160	37	16
403637112005201	(C- 2- 2)25cdd- 1	100VLFL	308.00	09-05-95	1270	7.5	15.0	420	92	47
403408111543201	(C- 3- 1)12ccb- 1	100VLFL	118.00	08-31-95	920	7.4	20.5	280	60	31
403336111575802	(C- 3- 1)16bcc- 2	100VLFL	300.00	08-31-95	2290	7.5	16.0	1300	320	110
402721111550801	(C- 4- 1)23dbb- 1	100VLFL	262.00	09-05-95	1410	7.4	23.5	--	--	--
403027112012401	(C- 4- 2) 1bbb- 1	100VLFL	540.00	09-05-95	1270	7.4	17.0	--	--	--
404506111523301	(D- 1- 1) 7abd- 6	100VLFL	130.00	09-06-95	1210	--	15.0	570	140	53
404253111530901	(D- 1- 1)19cdb-17	100VLFL	500.00	09-06-95	1040	--	15.0	490	130	40
404040111503301	(D- 2- 1) 4acb- 1	100VLFL	230.00	09-06-95	1300	--	18.5	510	120	50
403742111503201	(D- 2- 1)21dbc- 1	100VLFL	740.00	09-06-95	280	--	13.5	120	33	10
403332111485001	(D- 2- 1)35bbb- 1	100VLFL	238.00	09-06-95	315	--	19.0	150	25	22
403252111522501	(D- 3- 1)19ada- 1	100VLFL	177.00	09-06-95	1770	--	18.0	660	180	51
403116111524801	(D- 3- 1)31abb- 1	100VLFL	138.00	09-06-95	460	--	15.0	--	--	--
				SAN JUAN COUNTY						
371657109331901	(D-40-21)25acd- 1	220NVJO	450.00	03-02-95	420	8.8	16.5	--	--	--
371716109325501	(D-40-22)30bbb- 1	220JRSC	825.00	03-22-95	790	9.1	17.0	5	1.3	0.47
371621109211001	(D-40-23)27baa- 1	220JRSC	672.00	03-02-95	2800	7.6	18.0	--	--	--
				SANPETE COUNTY						
393630111383301	(D-14- 2)13aaa- 1	100VLFL	71.00	03-09-95	430	--	10.0	--	--	--
393311111371701	(D-14- 3)31dad- 1	100VLFL	45.00	03-09-95	460	--	11.5	--	--	--
393803111251401	(D-14- 4) 1acb- 1		625.00	03-06-95	545	--	15.0	--	--	--
393123111364801	(D-15- 3) 8cda- 3	100VLFL	75.00	03-09-95	500	--	11.0	--	--	--
392805111303201	(D-15- 4)31dab- 1		150.00	03-08-95	--	--	--	--	--	--
392740111345301	(D-16- 3) 4aaa- 1	100VLFL	160.00	03-08-95	1100	7.2	10.0	--	--	--
392451111355201	(D-16- 3)21bbc- 1	100VLFL	152.00	03-08-95	500	--	11.0	--	--	--
392421111353601	(D-16- 3)21cdb- 2	100VLFL	97.00	03-08-95	1150	--	11.0	--	--	--
392200111390001	(D-17- 2) 1bca- 2	100VLFL	225.00	03-07-95	460	--	10.0	--	--	--
392153111375201	(D-17- 3) 6cab- 1	100VLFL	65.00	03-07-95	680	--	10.5	--	--	--
392129111364001	(D-17- 3) 8bab- 1		112.00	03-07-95	670	--	10.0	--	--	--
				SEVIER COUNTY						
385910111512101	(C-21- 1)13abd- 1		291.00	08-15-95	740	8.5	17.5	--	--	--
384757112002201	(C-23- 2)15dcb- 4		75.00	08-15-95	680	7.7	11.5	310	65	36
384450112034001	(C-24- 2) 6abc- 1	110ALVM	308.00	08-15-95	1000	7.6	11.5	460	120	38
383140111522001	(C-26- 1)23ddb- 1	100VLFL	200.00	08-14-95	190	8.2	14.0	--	--	--

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.
112 PVNT - PAVANT FLOW, PLEISTOCENE AGE

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					MILLARD COUNTY--Continued							
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730	74	312	1000	1400	1.3	41	4040	3.70	0.050	<10	<10	3100
400	48	321	430	690	1.2	37	2090	3.60	0.050	20	10	2000
620	64	331	710	1100	1.2	38	3190	4.00	0.040	<10	<10	3000
550	57	330	600	970	1.0	37	2830	2.90	0.030	10	<10	2600
					PIUTE COUNTY							
14	6.2	188	16	21	0.20	47	288	0.650	0.030	4	2	30
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					SALT LAKE COUNTY							
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12	1.6	167	53	13	0.30	14	268	0.100	<0.010	44	10	40
290	28	260	280	320	0.50	55	1260	5.00	<0.010	50	<10	250
150	7.8	154	280	550	0.60	34	1370	4.80	<0.010	<10	<10	240
46	2.6	124	54	54	0.30	13	303	1.20	<0.010	11	<1	90
76	3.8	175	46	260	0.20	25	668	2.90	0.010	13	7	100
79	8.1	188	110	120	0.30	33	556	0.280	<0.010	<3	<1	150
87	4.6	295	750	200	0.10	27	1680	1.90	<0.010	30	<10	80
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44	2.8	289	170	130	0.20	18	755	5.40	0.040	6	4	90
42	3.7	248	220	64	0.30	16	678	2.90	0.020	6	<1	110
87	3.8	305	210	110	0.20	13	809	7.20	<0.010	18	3	110
9.2	1.5	104	23	10	0.20	11	164	0.880	0.030	3	<1	<10
9.5	2.3	144	14	8.1	0.60	11	183	0.910	0.030	<3	<1	40
110	11	237	350	240	0.60	22	1110	1.10	0.020	14	<1	220
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					SAN JUAN COUNTY							
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180	1.4	353	48	15	0.50	11	469	<0.050	<0.010	26	3	110
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					SANPETE COUNTY							
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					SEVIER COUNTY							
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19	3.4	265	49	34	0.30	33	404	1.10	0.020	4	<1	50
32	3.8	281	220	21	0.10	30	648	3.20	0.040	<3	5	110
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GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (CA,MG) (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)
				TOOELE COUNTY						
405951113584301	(B- 3-19) 1ccc- 1	100VLFL	78.00	08-17-95	1820	--	17.0	--	--	--
403831112185401	(C- 2- 4)17dad- 1	100VLFL	--	12-01-94	1270	7.8	17.0	--	--	--
403752112173601	(C- 2- 4)21add- 1		90.00	12-01-94	1440	7.6	14.0	--	--	--
403722112211301	(C- 2- 5)25aab- 2		80.00	12-07-94	960	8.0	13.0	--	--	--
403002112123201	(C- 3- 3)20bab- 1		200.00	09-18-95	610	7.5	11.0	280	59	31
403359112162801	(C- 3- 4)10ddd- 1		542.00	09-13-95	1010	7.3	15.5	410	110	33
403400112144001	(C- 3- 4)12dcc- 1		--	09-19-95	850	7.4	12.5	370	85	39
403339112152501	(C- 3- 4)14adb- 1	100VLFL	656.00	09-14-95	870	7.3	13.5	390	92	38
402514112254301	(C- 4- 5)32dcd- 1	100VLFL	96.00	06-28-95	770	--	13.5	--	--	--
402316112250701	(C- 5- 5)16bbd- 1		28.00	08-22-95	30600	6.9	15.0	7100	690	1300
402124112270601	(C- 5- 5)30bda- 2		21.00	08-22-95	2590	7.7	20.0	680	170	62
402113112270501	(C- 5- 5)30bdd- 1		--	08-23-95	2020	7.1	12.0	500	140	36
402010112273001	(C- 5- 5)31ccb- 1		80.00	08-23-95	1200	7.3	15.0	400	110	30
402050112330201	(C- 5- 6)32bba-S1		--	08-23-95	350	7.6	8.0	160	49	10
402023112290501	(C- 5- 6)35dba- 2		115.00	08-22-95	1080	7.4	13.0	410	130	21
401851112243101	(C- 6- 5) 9acb- 1		31.00	08-22-95	76400	7.0	13.0	21000	900	4500
400849112263902	(C- 8- 5) 6ddb- 2	310OQRR	583.00	11-28-94	630	8.0	16.0	230	43	29
400418112271701	(C- 8- 5)31ccd- 5	100VLFL	60.00	06-28-95	1920	7.4	12.5	580	160	44
				UTAH COUNTY						
401730111594501	(C- 6- 1)18cdd- 1		265.00	06-27-95	700	--	30.5	280	68	26
401730111594502	(C- 6- 1)18cdd- 2		--	06-27-95	750	--	29.5	--	--	--
401607112023401	(C- 6- 2)26cbb- 1	100VLFL	505.00	06-13-95	690	7.6	12.5	310	51	45
401610112053101	(C- 6- 2)29bdd- 1	100VLFL	150.00	06-12-95	425	7.5	12.0	--	--	--
395956111572101	(C- 9- 1)28ccb- 1		802.00	06-13-95	880	7.7	19.0	--	--	--
395710111571801	(C-10- 1) 9ccc- 1	100VLFL	474.00	06-22-95	1670	--	17.5	--	--	--
395339111581800	(C-10- 1)32ccc- 1	100VLFL	507.00	06-22-95	1650	--	19.5	--	--	--
395316111590001	(C-11- 1) 6bdd- 1	100VLFL	762.00	06-22-95	550	--	20.0	--	--	--
402621111463301	(D- 4- 1)25ddb- 1		1077.00	06-27-95	340	--	8.5	--	--	--
402259111525201	(D- 5- 1)18cab- 2	100VLFL	618.00	06-12-95	265	8.0	15.5	120	25	13
402145111531101	(D- 5- 1)19ccc- 1	110ALVM	150.00	06-12-95	610	7.4	15.0	--	--	--
402103111461601	(D- 5- 2)30ccb- 2		225.00	06-12-95	810	7.4	13.0	380	84	41
401414111435301	(D- 7- 2) 4cbb- 2	100VLFL	144.00	06-12-95	520	7.5	14.0	250	64	23
401021111362701	(D- 7- 3)33baa- 6	100VLFL	138.00	06-13-95	520	7.5	13.0	--	--	--
				WASHINGTON COUNTY						
373456113423501	(C-37-17)12bdc- 2		290.00	08-01-95	445	7.6	12.0	180	57	10
372850113134301	(C-38-12)20bcc- 1	100VLFL	216.00	08-22-95	2150	--	13.0	--	--	--
372635113141301	(C-38-12)31dad- 1		216.00	08-23-95	1460	--	14.0	--	--	--
371305113470401	(C-41-17)17cba- 1		626.00	07-11-95	475	7.4	18.5	220	67	14
370517113310402	(C-42-15)34dba- 2		265.00	08-01-95	5110	6.9	18.0	--	--	--
370036113282801	(C-43-14)31bbb- 1		--	07-11-95	3270	7.3	19.5	--	--	--
				WAYNE COUNTY						
382717111365601	(D-27- 3)19aaa- 1		285.00	08-14-95	1610	7.6	11.0	--	--	--
381902111321101	(D-29- 3) 1cab- 1	110ALVM	433.00	08-14-95	240	8.2	19.0	--	--	--
				WEBER COUNTY						
411153112064602	(B- 5- 2) 6bdd- 3	100VLFL	609.00	08-22-95	340	8.2	17.0	--	--	--
411153112064601	(B- 5- 2) 6bdd- 4	100VLFL	303.00	08-22-95	510	7.6	17.5	--	--	--
412011112041401	(B- 7- 2)16dcd- 2	100VLFL	1176.00	08-22-95	340	8.2	24.5	--	--	--
411824112060601	(B- 7- 2)32bbb- 1	100VLFL	546.00	08-22-95	2370	7.5	21.0	--	--	--
411821112034601	(B- 7- 2)34bbb- 2	100VLFL	517.00	08-29-95	300	7.4	--	130	37	9.6
411810112131802	(B- 7- 3)31aac- 2		920.00	08-29-95	1210	7.7	--	100	31	5.4

GEOLOGICAL UNIT (AQUIFER):

100VLFL - VALLEY FILL OR BASIN FILL, CENOZOIC AGE.
110ALVM - ALLUVIUM, QUATERNARY AGE.
111ALVM - HOLOCENE ALLUVIUM, HOLOCENE AGE.
122BRHD - BRIAN HEAD FORMATION, MIOCENE AGE.
310OQRR - OQUIRRH GROUP, PERMIAN AGE.

DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	ALKA-LINITY (CACO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED BORON (B) (UG/L)
					TOOELE COUNTY							
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--	--	--	--	--	--	--	--	0.490	--	--	--	--
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28	1.4	223	81	22	0.10	11	374	1.50	<0.010	42	2	40
50	2.1	205	230	53	<0.10	13	626	2.60	<0.010	23	5	50
36	1.8	223	170	42	<0.10	12	532	2.90	0.040	4	2	80
31	1.6	226	180	34	<0.10	12	535	2.50	<0.010	15	3	70
--	--	--	--	--	--	--	--	--	--	--	--	--
4800	21	393	2500	10000	0.50	36	19600	<0.050	0.150	<10	3200	980
230	2.9	125	92	640	0.60	15	1290	0.180	0.020	10	2100	150
200	1.7	302	110	360	0.30	21	1070	4.80	<0.010	160	14	190
79	13	287	47	140	0.20	15	650	9.90	<0.010	7	<1	130
5.7	0.40	165	4.4	6.9	0.20	6.3	183	0.250	<0.010	<3	<1	<10
35	1.2	163	21	220	0.20	11	545	1.70	<0.010	9	2	50
16000	190	284	8100	32000	0.70	21	61900	<0.050	0.050	10	8300	2700
40	2.5	163	27	84	0.60	14	339	0.330	--	5	<1	--
170	1.9	228	140	410	0.10	15	1090	2.30	0.020	11	<1	70
					UTAH COUNTY							
37	3.6	204	71	67	0.60	21	420	0.850	0.010	<3	<1	80
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23	3.4	218	26	90	0.30	57	427	0.200	<0.010	24	27	60
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17	2.0	122	6.6	16	0.50	15	169	0.230	0.020	9	2	30
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38	1.6	265	150	24	0.40	14	523	2.50	0.080	40	2	90
16	2.8	231	45	11	0.40	18	319	<0.050	<0.010	590	75	60
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					WASHINGTON COUNTY							
25	4.1	180	14	21	0.20	37	287	2.50	0.040	<3	<1	70
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13	1.9	196	32	15	0.30	21	284	0.560	0.010	<3	4	40
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					WAYNE COUNTY							
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					WEBER COUNTY							
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--	--	--	--	--	--	--	--	--	--	--	--	--
10	1.3	132	8.5	12	<0.10	11	171	0.480	<0.010	4	1	20
210	12	285	0.20	230	0.80	45	706	0.060	0.040	170	73	340

GEOLOGICAL UNIT (AQUIFER)--CONTINUED

123DCRV - DUCHESNE RIVER FORMATION, OLIGOCENE AGE.
124UINT - UINTAH FORMATION, EOCENE AGE.
220NVJO - NAVAJO SANDSTONE OF GLEN CANYON GROUP, JURASSIC-TRIASSIC AGE.
220JRSC - JURASSIC SYSTEM, JURASSIC AGE.

STATION NUMBER	LOCAL IDENT-I-FIER	DATE	DEPTH OF WELL, TOTAL (FEET)	TEMPER-ATURE WATER (DEG C)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH WATER WHOLE FIELD (STAND-ARD UNITS)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
401819110041601	U(C- 2- 2)14ddb- 1	06-19-95	465.00	14.0	330	7.7	1.0	0.020	-18.05
401823109590401	U(C- 2- 1)15cac- 1	06-20-95	600.00	17.0	540	9.1	24	0.020	-17.19
401940110023601	U(C- 2- 1) 7bbd- 1	06-19-95	820.00	15.0	415	8.1	4.8	0.020	-17.14
401946110044601	U(C- 2- 2)11bab- 1	06-19-95	666.00	16.0	365	7.7	1.5	0.020	-18.11
402114110003301	U(C- 1- 1)33bcc- 1	06-19-95	220.00	16.0	770	8.3	0.70	<0.010	-16.87
402116110030801	U(C- 1- 2)36adc- 1	06-19-95	170.00	14.0	335	7.8	1.0	0.020	-18.22
402135110051901	U(C- 1- 2)27ddc- 1	06-19-95	420.00	13.0	350	7.6	0.60	0.020	-18.35
402246110061501	U(C- 1- 2)22cbb- 1	06-19-95	810.00	13.0	415	7.5	2.5	0.040	-17.81
402319110025601	U(C- 1- 2)24aaa- 1	06-19-95	260.00	15.0	355	7.8	0.90	0.020	-17.94

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CONVERSION FACTORS AND VERTICAL DATUM

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

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

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